Pascas Foundation (Aust) Ltd

National & Global

Business Plan
&
Financial Feasibility

Christmas Island
Ashmore and Cartier Islands
Cocos (Keeling) Islands
Northern Territory
Western Australia
Queensland
Coral Sea Islands
South Australia
New South Wales
Norfolk Island
Jervis Bay Territory
Victoria
Australian Capital Territory
Tasmania
Heard Island and McDonald Islands
Australian Antarctic Territory

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Australian Koala

Quoka

Platypus

Baby short-beaked Echidna

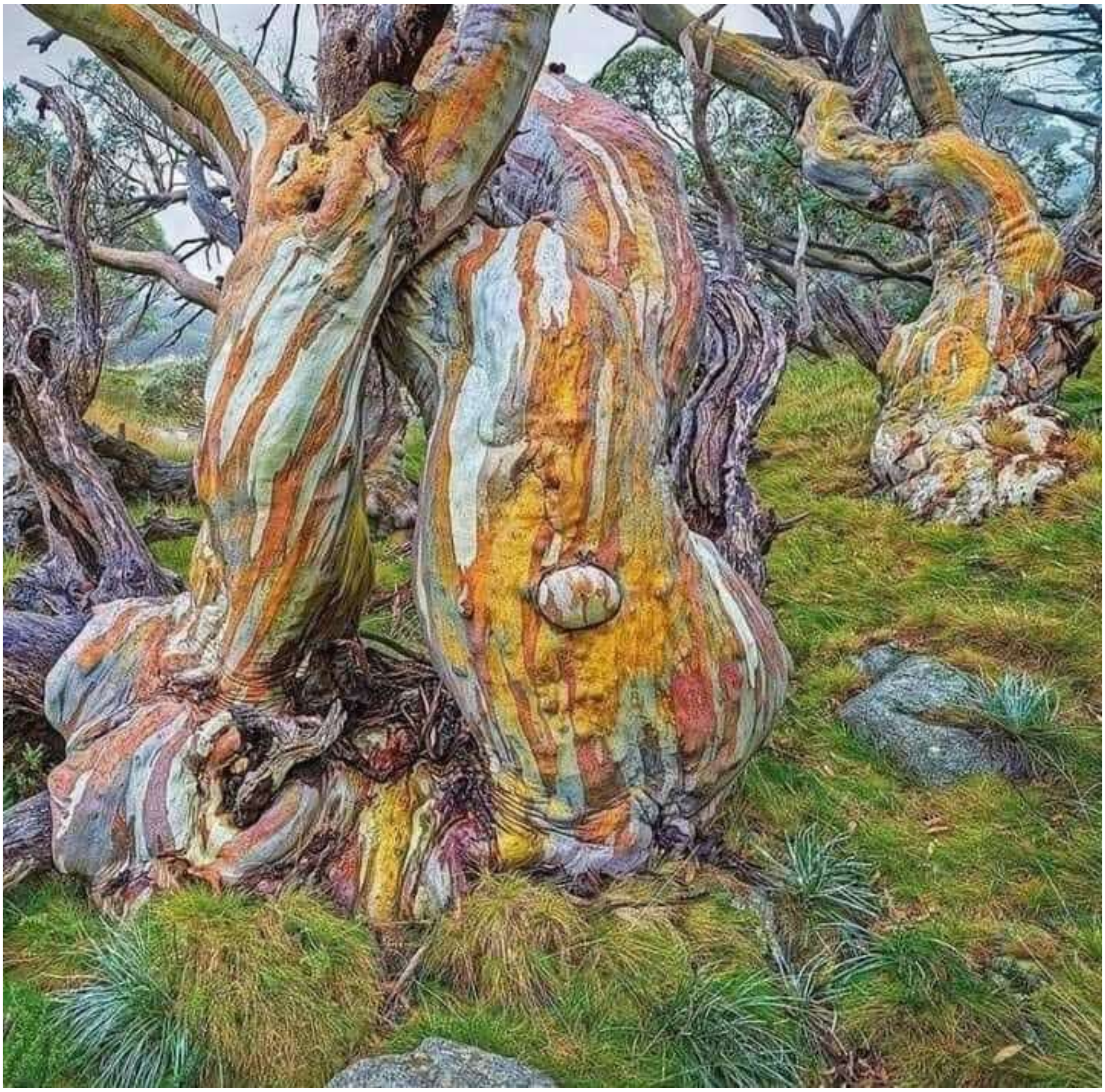
Red Kangaroo

Crocodile

Great White Shark

Lorikeet Parrots

Kosciusko National Park



The centre of the GOLD COAST CITY features SURFERS PARADISE.

The Gold Coast has 40 kilometres of glorious beaches, 360 kilometres of canals, lakes, 5 rivers, expansive broadwaters, 35 golf courses, and the fabulous sub-tropical hinterland.

All this in the world's most liveable climate.

This is LIFESTYLE!

EXECUTIVE SUMMARY – INTRODUCTION:

THE SERVICE to HUMANITY:

Pascas Foundation (Aust) Ltd, being a not-for-profit, has a dual role.

As Pascas Foundation is to make available throughout the world, the revelations and guidance that have been unfolding since 31 May 1914 as to how we may live and consequently heal ourselves in a manner that significantly lifts our individual levels of consciousness. Our childhood suppression impedes the flow of light energy throughout our bodies and to address this distortion we are to express our feelings, both good and bad, while longing to know the truth behind our feelings. This is a long and difficult process. In so doing, we grow in truth, our own personal soul based truth, and by living feelings first we may rise above what is the underlying cause of all that society suffers from, through and by.

ELEMENTS to NATION BUILDING and HUMANITY DEVELOPMENT:

Education is the paramount profession, without education there are no professions.

While people live in survival mode, that is, things are done to them, they are submissive and have no capacity for developmental engagement, let alone consciousness development. 75% of Earth's humanity are living in survival mode. That is, they calibrate on Dr David Hawkins' Map of Consciousness at or below 200 MoC. This is how we have grown in truth – almost 2,000 years ago Earth's humanity calibrated around 190 MoC – we have remained stagnant! Further, 40% of Earth's humanity calibrate at or below 100 MoC. That is the level of Eath's humanity MoC calibration 2,500 years ago.

Overall, Earth's humanity's achievement in 2,000 years is to grow the number calibrating 200 MoC or less by 20 fold, from 300 million to 6 billion with no consciousness growth!

We should ask how and why is this so. Look carefully at your childhood upbringing. Johnny and Mary are told; 'if I hear one more whimper out of you, I will give you something to whimper about'. We are taught to suppress our emotions. 'Learn your tables Johnny and Mary'. We are taught to worship our minds and to ignore our feelings. Humanity was misled into believing that through our minds we could become mini-gods. We were taught to ignore and suppress our feelings. That prevails throughout every facet of our living. Our health system suppress the symptoms of discomfort and illness – no curing. Males suppress and dominate females because females are closer to their feelings and would put an end to this folly.

Nation building is essential to lift its people out of survival living. That is, infrastructure programs in all the formats that governments embrace are essential to expand economies and to bring about self-reliance of the nation particularly in regard to strategic goods and services. Instead of mediocrity, excellence and being ahead of anticipated population numbers is to be the goal for the nation and its people.

Education is to be paramount focus. Education is to migrate out of mind-centricity and embrace feelings first in all aspects and levels of education, from pre-school through to university and then all the way through to mature age learning. Our journey in learning, learning by doing, is infinite – never ending.

Through living feelings first, society can bridge through the mind-centric ceiling of Moc 499 and growth then becomes infinite. The benefits for society are amazing. MoC 500 and above is the end of war, the end of conflict, the end of the need to police, courts and prisons. Illness, disease, discomfort and pain mitigate. When we are fully healed of what we each have taken on of the Rebellion and Default, we have 'no need' for discomfort, pain, illness and disease. Further, once fully healed we are living a Celestial soul condition state while here in the physical on Earth.

This is the agenda of Pascas Foundation (Aust) Ltd for the people of Australia and also for every nation, territory, state and community worldwide.

Pascas Foundation (Aust) Ltd
National & Global

EXECUTIVE SUMMARY – LONG:

THE SERVICE to HUMANITY:

Pascas Foundation has been afforded the opportunity to draw together writings from high level spirits, Celestials and higher, that have been accumulating since 31 May 1914, more than 100 years. Further, direct communication with Celestials and others has greatly added to the understanding and comprehension of what has now been provided for all of Earth's humanity.

In the year 2025, we are in the threshold of the Greatest Event in history which is now unfolding on Earth.

We see great stress, disruption and a humanity that is functioning in a stupor. Leaders of many nations appear to be functioning irrationally. People are becoming more and more unsettled and demanding seemingly impossible resolutions to social ills. The world is embraced in a pandemic with many dying. Economies of most countries are contracting, some dramatically.

People of all societies and locations are asking in-depth questions, they are being prompted by the environment to look for truth. What is this all about?

This is the biggest evolutionary movement in the history of humanity on Earth, throughout all of the one million years of it. We are being guided as to how to end and heal our personal Rebellion and Default. We are being afforded a new way of living – Living Feelings First. Through Living Feelings First we will heal ourselves of all we have taken on of the Rebellion and Default. Should we complete our Healing while living here in the physical on Earth, then we will be living a Celestial soul condition here on Earth. This has not been achieved by anyone prior to the year 2024.

The prophesised second coming of Jesus of Nazareth has been fulfilled. The writings referred to as the Padgett Messages (1914 – 1923) involved some 250 Celestial spirit personalities, including Jesus and many of his Apostles. Jesus' personal writings, as he declared, fulfilled the prophesy.

The writings compiled by James Padgett, then Dr Daniel Samuels (1954 – 1963) and Hans Radax – Judas Messages (2001 – 2003) addressed major errors throughout the New Testament.

Then the writings through James Moncrief (2002 and continuing), principally by Mary of Magdalene and Jesus, have outlined Revelations that have been partially confirmed by personal demonstration.

The arrival of the Creator Daughter and Son on Earth 2,000 years ago set the stage for what is now the most important phase for Earth's humanity journey. Jesus and Mary, as co-regents of our Local Universe, did not come here exclusively for Earth's humanity, they came for all humanities throughout their local universe AND to prepare the situation for the coming Avonal Age which is to be the next 1,000 years. Jesus and Mary's involvement with Earth is now ending, that is what the End Times are about. A hand over to the Avonal Pair will begin when they commence their public ministry on Earth.

Whatever unfolds, it will remain the duty of Pascas Foundation to afford the opportunity for every person living on Earth, and for those to come, to be able to access the Revelations and Guidance that has been recorded since 31 May 1914 and continues to be done so today. The most important writings are those of James Moncrief.

It is only through these Revelations and Guidance that Earth's humanity will begin to resolve the social ills that are overwhelming the health service sectors, the policing and court systems, the education systems in as much as that they cannot advance further without a complete understanding of what is now revealed and available for them. Governmental systems, sciences, commerce, banking, legal systems and all cultural platforms will reform. None will be greater than the religious institutions.

GEOGRAPHICAL SITUATION

Australia, the smallest continent and one of the largest countries on Earth, lying between the Pacific and Indian oceans in the Southern Hemisphere. Australia's capital is Canberra, located in the southeast between the larger and more important economic and cultural centres of Sydney and Melbourne with the next major city to the north being Brisbane with its Gold Coast city.

The Australian mainland extends from west to east for nearly 4,000 kilomtres (2,500 miles) and from Cape York Peninsula in the northeast to Wilsons Promontory in the southeast for nearly 3,200 kilometres (2,000 miles). To the south, Australian jurisdiction extends a further 500 kilometres (310 miles) to the southern extremity of the island state of Tasmania, and in the north it extends to the southern shores of Papua New Guinea. Australia is separated from Indonesia to the northwest by the Timor and Arafura seas, from Papua New Guinea to the northeast by the Coral Sea and the Torres Strait, from the Coral Sea Islands Territory by the Great Barrier Reef, from New Zealand to the southeast by the Tasman Sea, and from Antarctica in the far south by the Indian Ocean.

A KEY PROSPECT for EDUCATION in AUSTRALIA

Teaching in Australia is beginning to become more digitally connected and innovative as new ways of learning change the devices and technology used in the classroom. Emerging technology such as virtual and augmented reality are already introducing new ways of exploring education.

While not an entirely new approach, student learning spaces will supersede the typical classroom that we know today. This will see students become partners or co-creators of their own learning.

The growing shortage of secondary teachers in recent years has led state Governments to roll out support for the training of future educators.

“Most professions treat each individual’s case differently – each patient of a doctor has individualised treatment plans. Education should be no different,” McLaughlin says.

With new teaching methods becoming more common, the older ‘one model of teaching and learning fits all’ is being phased out. Teachers are becoming facilitators of learning and students are having more control of their learning journey.

Curriculum teaching and learning already extends well beyond the classroom and will continue to do so, and as education changes to suit the future’s needs, jobs in teaching are growing and presenting teachers with more opportunities to expand their skillsets. This means that educators are being empowered with the ability to seize new opportunities and ways of teaching.

In light of a shift towards a more personalised learner experience, teachers of the future can pick up many skill sets that will enhance and inform their teaching. Personalised teaching and working with next-gen technology in the classroom is allowing the educators of tomorrow to gain skills as data collectors, analysts, planners, collaborators, curriculum experts, synthesizers, problem-solvers and researchers.

A key prospect lies in curriculum reform. The current curriculum emphasises rote memorisation, which may hinder critical thinking and problem-solving skills essential for success in contemporary fields. Future reforms can be expected to introduce more interactive and practical learning approaches, fostering creativity and innovation among students. Collaboration with international educational organisations could further enrich curriculum, helping to meet global educational criteria – and surpass same!

Mind-Centricity to transition to Living Feelings First education!

Moreover, the role of Technical and Vocational Education and Training, or TVET / TAFE, can be anticipated to expand. As the labour market increasingly demands specialised skills, educators must ensure that its education systems provides alternative pathways that equip students with practical expertise. Strengthening partnerships between educational institutions and industries can facilitate the alignment of training programs with economic needs, offering students applicable skills and enhancing their employability.

Big Picture / Micro Picture perceptiveness is to be Fostered!

CHALLENGES FACING the HEALTH CARE SYSTEM of AUSTRALIA

Australia has achieved universal health insurance for its population since 1975 – a major step forward for increasing access to primary care (PC). Nevertheless, there are reports of several multi-layered challenges, including inequity, that persist. Analysis aims to undertake a scoping review of the success, explanatory factors, and challenges of Primary Health Care (PHC) in Australia guided by the World Health Organization (WHO)-defined key characteristics of good PC.

Primary health care in Australia, which has evolved through major reforms, has been adapting to the complex health care needs of the socio-culturally diversified nation, and has achieved many of the primary care (PC) attributes, including service diversity, accessibility, acceptability, and quality of care. Yet, there are persistent gaps in service delivery to socio-economically disadvantaged populations, including indigenous people, culturally and linguistically diverse (CALD) populations, and rural- and remote-residents. These challenges could be mitigated through system-wide and targeted policy-level intervention to further improve service delivery through effective and functional local health service coordination, sectoral integration, and improving health care providers' cultural competence.

NATIONAL INFRASTRUCTARE PROGRAM SUPPORT

All Australians rely on critical infrastructure to deliver the essential services that underpin our economy, security and sovereignty, and support our way of life.

Critical infrastructure is defined as: those physical facilities, systems, assets, supply chains, information technologies and communication networks which, if destroyed, degraded, compromised or rendered unavailable for an extended period, would significantly impact the social or economic wellbeing of Australia as a nation or its states or territories, or affect Australia's ability to conduct national defence and ensure national security.

Significant impacts include events or incidents that put public safety and confidence at risk, threaten our economic and national security, harm our international competitiveness, and/ or impede the continuity of government and/or industry and their ability to deliver essential services. This Strategy, and the objectives it seeks to achieve, covers Australia's critical infrastructure priorities and outlook over the coming decades. However, the Strategy needs to be updated should Australia's circumstances materially change, or there is a credible development in the threat environment which would require a proactive response.

Australia needs to increase nation building programs to secure supply in critical items.

Further, such works cannot go ahead of supply and workforce thus stretching programs out in time.

POVERTY

- Australia is one of the wealthiest countries in the world.
- More than one in eight adults in Australia (13.4%) live in poverty, including one in six children: about 3,319,000 people, including 761,000 children.
- The low level of unemployment, student and related payments in Australia means that people who are not in paid work and have no other source of income are forced to live in poverty.
- People who rely on Jobseeker and Youth Allowance are at high risk of poverty. 60% of households reliant on the JobSeeker Payment are living below the poverty line.
- Single parent families and people with disability are also at high risk of poverty, with 34% and 25% respectively living below the poverty line. The high rates of poverty among single parent families and people with disability is due to the inadequacy of current financial support with the costs of raising children, chronic illness and disability.
- Australia's unemployment payment JobSeeker is the lowest unemployment payment in wealthy nations as a proportion of average earnings.
- JobSeeker is less than half the minimum wage (43%), and Youth Allowance is just 35% of the minimum wage.
- The gap between JobSeeker and pensions is growing. JobSeeker has decreased from 90% of the pension in early 1990s to 69% of the pension today ($179 per week difference). Youth Allowance is 56% of the pension.
- Successive interest rate rises have driven an increase in unemployment, rising by 115,000 since mid-2022 when the RBA began raising interest rates.
- 917,000 people currently (August 2024) receive Jobseeker and Youth Allowance payments, an increase of 90,000 since September 2023. Most people receiving these payments (60%) have received them for over a year.

Over three million Australians live in poverty

Alarmingly, over 3.3 million Australians are living in poverty, facing significant disadvantages and challenges in their day-to-day lives.
A significant driver of poverty and homelessness in Australia is the rising cost of housing – as it becomes increasingly difficult to make ends meet, many families are facing financial instability and vulnerability.

In 2024, the median weekly rent in Australia is AU$627 a week, increasing by 8.5% since last year. For families living under the poverty line, affording a safe home can be out of reach, with many families facing the difficult choice between paying rent or buying food.

Two million Australian households have experienced food insecurity

Over 2 million households in Australia have experienced severe food insecurity in the last 12 months. Food insecurity means these households reduced their food intake, skipped meals, or ate lower quality or unhealthy food. Sixty per cent of households experiencing food insecurity go a whole day without eating at least once a week.

One in six Australian children are living in poverty

For the 761,000 children living in poverty in Australia, poverty has detrimental effects on their education and their wellbeing, health and future outcomes.

- **Poverty affects children’s ability to succeed in school**

Students with fewer resources struggle to buy new clothes, lunches, or school supplies, affecting their ability to fit in and succeed in the classroom. By the time they were 15 years old, children growing up in poverty were found to be up to three years behind in school compared to their peers. As children grow, this gap increases and limits their opportunities in life, typically for reasons outside their control.

- **Poverty affect’s children’s future opportunities**

Children who experience poverty are more likely to experience disadvantages as adults. Compared to young adults who never experienced poverty, those who experienced poverty as children were 3.3 times more likely to be poor, 2.5 times more likely to live in social housing, and 2.5 times more likely to experience financial stress. They were also more likely to experience poor mental and physical health.

Over 2 million households in Australia experienced severe food insecurity

On any given day, more than half a million households struggle to put food on the table. Alarmingly, 21% of Australian households experienced severe food insecurity.

While many are struggling with the rising cost-of-living, households with children are affected more than others in the past year. Single parent households are hardest hit with 37% of single-parent households skipping meals or going whole days without eating.

Sole-parent families and renters over 65 years are the hardest hit by poverty

Australians most likely to be living in poverty are older people who are renting, sole-parent families or families with children reliant on part-time earnings.
For people aged 65 and older, renting in the private market increases their risk of poverty and homelessness. For those without pensions, sudden life events such as a death of a partner can cause them to become homeless. Additionally, sole-parent families who must rely on a single income are more likely to face disadvantages and is more likely for families where the female is the main income earner.

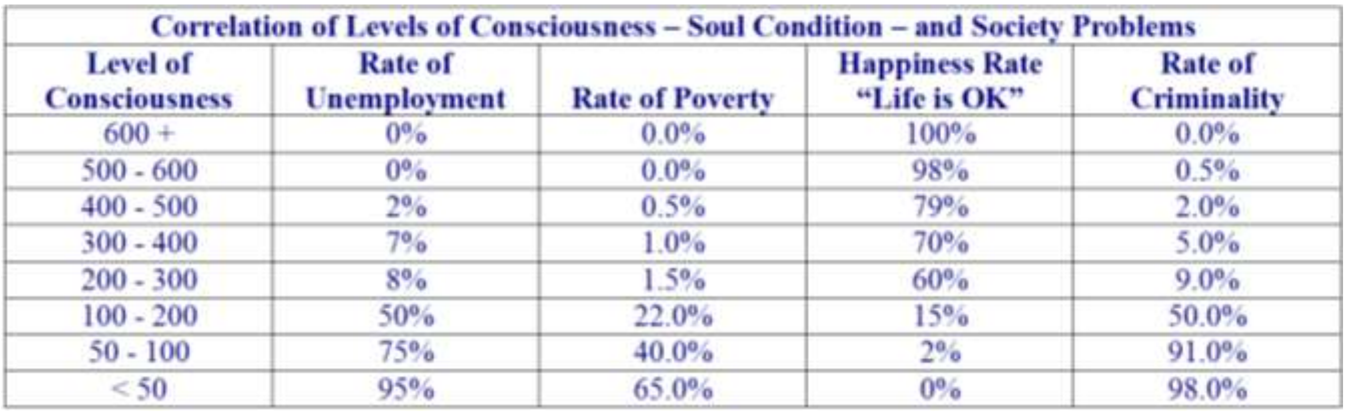
POVERTY as defined by lack of Consciousness, being in UNTRUTH

AUSTRALIA	Consciousness (MoC)	Median Age	Population (2025)	Percent Calibrating		Population in Untruth Poverty
				MoC 100	MoC 200 or below	
Australia	**420**	**38.3**	**27,000,000**	**10%**	**48%**	**12,960,000**

The overarching ‘cause’ of poverty is the low levels of consciousness as measured on Dr David Hawkins’ Map of Consciousness.

At the moment of conception we are in a perfect natural love state, close to 1,000 MoC. By the time we are six years old, having been subjected and infused with our parents and carers’ emotional injuries and errors of belief, we will be calibrating at their level – mostly for the rest of our life! Thus, they impose upon us our social ills, health issues, income generating parameters and our façade personality.

Consequently, 48% of Australia’s population is living in poverty, being the lack of truth, as if living in a desert without water to be able to thrive. All institutionalised systems are unknowingly perpetuating this suppression through their contribution to the error of living mind-centric and ignoring feelings.



Correlation of Levels of Consciousness – Soul Condition – and Society Problems				
Level of Consciousness	Rate of Unemployment	Rate of Poverty	Happiness Rate "Life is OK"	Rate of Criminality
600 +	0%	0.0%	100%	0.0%
500 - 600	0%	0.0%	98%	0.5%
400 - 500	2%	0.5%	79%	2.0%
300 - 400	7%	1.0%	70%	5.0%
200 - 300	8%	1.5%	60%	9.0%
100 - 200	50%	22.0%	15%	50.0%
50 - 100	75%	40.0%	2%	91.0%
< 50	95%	65.0%	0%	98.0%

The measures of having some random amount of money to live on is more of a mind-centric diversion away from coming to understand the core problems throughout one's society, childhood suppression, and consequently not addressing the issue and introducing the pathway out of poverty – permanently! Raising one's consciousness (truth) levels also raises the level of our children's consciousness, thus this pathway is a permanent evolutionary step forward for society.

It is only through the awareness and embracement of living Feelings First and having our minds to follow that individuals and eventually societies can raise their levels of consciousness significantly. This way of living is to be introduced and embraced throughout all walks of life. Consider these Pascas Papers:

- Pascas Care Living Feelings First - Adults.pdf
- Pascas Care Living Feelings First - Children - Annexures.pdf
- Pascas Care Living Feelings First - Children - Discussions.pdf
- Pascas Care Living Feelings First - Children - Graphics.pdf
- Pascas Care Living Feelings First - Children.pdf
- Pascas Care Living Feelings First - Drilling Deeper - Structures.pdf
- Pascas Care Living Feelings First - Drilling Deeper.pdf
- Pascas Care Living Feelings First - Reference Centre.pdf

SOCIAL FOCUS to MITIGATE ISSUES

There are the rising rates of depression among refugees, many of whom carry the trauma of war and prolonged displacement, paired with a critical lack of support.

More than 13.4% of Australians live below the poverty line.

The unemployment rate is reported at 4.1%. However, wages are may be low and the skills engaged are low, thus poverty still prevails even with some fully employed.

Gender can unfortunately play a role in salary variations, with men often earning more than women for equivalent roles, highlighting the gender pay gap.

The 2022 prevalence of obesity in the Australia was 66% were living with overweight or obesity, approximately 13 million adults.

In 2022, Australian children and adolescents aged 2–17: one in 4 (26%) were living with overweight or obesity. This is approximately 1.3 million children and adolescents.

One in ten (10.6%) Australian adults aged 18 years and over were current daily smokers in 2022.

The number of hospital beds in Australia, in 2023-24, there were 65,100 public hospital beds available, on average, representing 2.5 beds per 1,000 population. This ranged from 2.3 per 1,000 population in major cities to 3.9 per 1,000 population in remote and very remote areas. (beds 12.65 per1,000 inhabitants in South Korea).

The OLD WAYS are to GO!

This time in history is to see the dismantling of all institutionalised systems and practices that controllers have imposed upon us all. High level controllers have been removed from their positions of power and those remaining will see their temples of authority disintegrate around them. Humanity is to suffer continual disturbances until they begin to demand a new and better way of living – and that is to live feelings first while longing to know the truth behind our feelings, with our mind to follow in support of what are feelings that are guiding us to consider!

NOW TO BEGIN:

We need to leapfrog decades of developmental steps and introduce the future way of living to the world through the people of Australia and elsewhere. No stagnation, no spinning any more wheels, let us show how doing the same ol', same ol' way can be stepped over and launch into a progressive state of ongoing development.

The product is the consequence of need. The population of Australia calibrates around 410 on Dr David R Hawkins' Map of Consciousness (MoC) scale which is based on the common log of 10. The world population overall is 220 MoC. As has been the case around the world, the missionaries from many and diverse religious platforms introduced education systems into communities that did bring about spiritual development and economic growth to a degree and this progress generally then plateaued. This is the scenario generally throughout the Africa – authoritarian suppression is mainly universal.

Universally open, free, feelings orientated education through primary schooling, through high schooling, technical and further education and then university is to be the driver of any society's progress and development. Open and free to all with the development of feelings orientated curriculums is now required.

Open implies that it is free from the restraints and dictates of government, that includes liberal and democratic governments as well as authoritarian and oppressive governments. All governments are agents of control. Open also implies free from being dominated by any religious institution. And free implies that the education service is provided free of cost to the students at all levels. Truth needs to prevail.

What has never been understood is that ALL education platforms worldwide are constricting their students' development and potential. No one had recognised that being mind-centric, the potential of every student to develop is capped at and to 499 MoC. High level controllers 200,000 years ago influenced the people of Earth to live mind centric and since then we have all suffered the consequences of that restraint. Our minds cannot discern truth from falsehood, our minds are addicted to untruth, consequently 98% of our assumptions are in error. As well, our minds are addicted to control of the environment and others. More than 90% of the time we have war!

FEELINGS are our Supreme Guide!

"Feelings are what guide us through our ascension of truth. So they are really our Supreme Guides. Many people look for a person, spirit, angel, even God, for supreme guidance, however it's all right there already built in – in our feelings. **We just have to submit to them, allowing them to take us where they will, expressing all the parts we want to express, letting the emotion drive that expression if it's there to be expressed, or just talking about all we feel and how feeling that feeling is making us feel – or, how we feel about having that feeling, all whilst longing for the truth of our feelings. Longing for the truth of our feelings is really: Longing for the truth of our self, because: we are our feelings. So life stirs up our feelings, we feel being alive; or, being alive means we are feeling, always feeling; and when we work out what and why we are feeling what we are, so then we know the truth of how we are. And over time the truth accumulates, and our mind expands our understanding of ourselves, all being driven from our feelings."** Kevin 26 September 2017

Kevin died 10 August 2012, through Feeling Healing became Celestial on 7 August 2017

We are now to bring our feelings into balance with our minds in how we are to live. Otherwise we will all continue living in a stupor, in a kind of zombiism that has no spontaneity and intuitiveness; this will only lead to continuing disease and illness and wars that will eventually destroy the planet and us all – however we can consider the pathway of living through our feelings!

Our feelings are always in truth, all the truth we need and may want to know is already within us. We are to long for the truth behind what our feelings are drawing our attention to. We are then to have our mind follow in assisting us in implementing what our feelings are guiding us to consider and embrace. We are to be continually expressing what our feelings bring to our attention – both good and bad.

This sounds easy. It is not. Others have touched upon these points but until now – 2024 – no one had gone deep enough and achieved the healing that comes through living feelings first. Now it has been achieved and can be shared with all of Earth's humanity, both in the physical as well as in spirit.

MARKETS & COMPETITION:

POVERTY – being in UNTRUTH!

Poverty – being in Untruth – is worldwide. 75% of humanity lives within a consciousness level that prevailed 2,000 years age, that being calibrating on Dr David Hawkins' Map of Consciousness at 200 or less. That being so, 40% of humanity lives within a consciousness level that prevailed 2,500 years ago, that being calibrating at 100 MoC or less. Six billion of the eight billion population are reflecting the consciousness level of the heritage that prevailed shortly aft the time of Mary Magdalene and Jesus of Nazareth.

The **POVERTY in TRUTH** permeates out to be the underlying cause, the core cause of all the social ills confronting humanity. It is the underlying cause of poverty of al all descriptions. It is the underlying cause of all discomforts, pains, illnesses and diseases. It is why the courts are full of conflict and prisons of all descriptions are over flowing.

POVERTY in TRUTH was imposed upon us be unseen high level controllers and it is this that we, you and me, are to put an end to this insanity that we each see starkly now being reflects around us by our insane and inadequate leaders.

EDUCATION of TRUTH is now to unfold worldwide. This is to be provided through Pascas Foundation without barriers or discrimination. This is progressively to become the foundations of how we are to live without discomforts, pains, illness and diseases. This is how we are to live without conflict and war. This is our journey of evolutionary growth and development for the coming 1,000 years.

We may ask, where is this truth to be found? It is within each of us and is all that is contained within the Library Download page at www.pascashealth.com. There is more than 75,000 pages making up the more than 800 Pascas Papers, and they generally calibrate at around 960 MoC. These writings represent the greatest collection of TRUTH that humanity has been provided with throughout its 993,500 years of existence on Earth.

PASCAS PAPERS

HEALTH & EDUCATION:

AUSTRALIA Doctors Nurses Teachers Ratios

	DOCTORS per 1,000 people		NURSES & MIDWIVES per 1,000 people		TEACHER / STUDENT ratio	
Australia	2021	**4.0**	2021	**13.7**	2024	**13**
New Zealand	2022	3.6	2022	11.7	2017	14
Singapore	2021	2.6	2017	6.2	2017	11
Papua New Guinea	2021	0.1	2021	0.5	2016	34
China	2021	2.5	2021	3.5	2018	13
India	2020	0.7	2020	1.7	2018	29
United States America	2021	3.6	2022	11.9	2017	15
Strongest Worldwide	2022	Austria 5.5	2021	Switzerland 18.8	2018	San Marino 6
https://data.worldbank.org/ Weakest Worldwide		Africa 27 nations 0.1		Africa 30 nations 1.0		Africa 21 nations 40+

Without education we have no professions. The paramount profession is education. However, education has focused us upon worshipping our minds which cannot discern truth from falsehood. This is a foundation error in all forms of education.

Our feelings are always in truth. While we ignore and suppress our feelings we limit ourselves to a peak of only 499 MoC and consequently we are stagnating worldwide.

Medical education leads the industry in being able to suppress the underlying symptoms of any health issue – but does not cure. We are to express our feelings, our emotions, our emotional injuries, with the same level of emotion that we took them in. We are to long to know what our feelings are to reveal to us and to talk them out, to express them. In so doing we are repairing the constrictions impeding the flow of soul light from our soul, through our spirit body, and through our physical body and its return to our soul. Ultimately, when we heal our suppressed emotional issues, then and only then will our bodies be free of illness, disease, pain and discomfort.

Health industry is to finally recognise the underlying cause of all diseases.

The dynamics of health services are about to greatly advance.

THE COMPANY:

Pascas Foundation (Aust) Limited, a company limited by guarantee, was founded on 16 September 2008, is a designated gift recipient for taxation purposes within Australia, a not-for-profit, a NGO, a registered charity and is to provide educational and health assistance, however it has an unlimited charter.

What it is not is a religious institution – nor can it be by its charter. To amplify that understanding are these circumstances. The revelations and guidance that are to be disseminated have no rules, there are no controlling factors imposed upon anyone, there is no hierarchy of control, there are no rituals, dogmas, cannon laws or creeds of any description. There is no scripture book to hold up and announce yourself; or, if you want to hold up the printed material, you may find yourself with 75,000 pages to contend with. (The New Testament of the Bible is around 300 pages.) It is a way of living. A reader or viewer is free to do whatever he or she feels inclined to do. Further, there is nothing to join! It is anticipated that groups will form to assist each other and meet in homes to do this.

Upon reflection, John Doel, a director and the typist of much, considers that since conception he has been on a straight and narrow tram track to this event. Possibly 1999 was the commencement of this unfolding in earnest. It was on Friday, 4 November 2016, 7:50am, that John made contact with James Moncrief, subsequent to being introduced to all the other writings referred to throughout the 'business plan'. All of the directors of Pascas Foundation have had an extensive association with the referred to writings.

MARKETS & BARRIERS:

Earth's population is passing 8 billion people. The World Health Organisation (WHO) of UNICEF estimates that at least 130 million babies are born each year.

Should humanity commence to understand that their personal embracement (unknowingly) of Rebellion and Default is the underlying cause of the following, then the need for embracing the New Feelings Way will become self-apparent:

According to WHO, every year in the world there are around 73 million abortions.

Miscarriages and abortions are about even in numbers; of the pregnancies in 2010, 53% resulted in live births, 17% were miscarried and 30% ended in abortion.

Every year, an estimated 7.9 million infants (6% of worldwide births) are born with serious birth defects. Although some congenital defects can be controlled and treated, an estimated 3.2 million of these children are disabled for life.

Early childhood illness is a direct consequence of unhealed emotional issues held by the parents.

We have all been guided to live through our minds. Our minds are addicted to control; control over others as well as the environment. Further, our minds cannot discern truth from falsehood; our mind is addicted to untruth.

All institutionalised systems that have been founded before 31 January 2018 are subjected to the erroneous platforms of the Rebellion and Default. That is every one of them!

Consequently, presently more than one third of the world's population has authoritarian governmental and religious controls restraining people from being afforded the opportunity to consider these most wonderful and freeing revelations.

In addition, about a billion people do not have access to electricity – no communication services. Illiteracy is still 14% of the world's population. Heritage, customs, tradition and fear of change restrain many from even considering an introduction to what has been revealed for all of humanity.

Education systems around the world are entrenched with mind 'worshipping' bias and will resist change vehemently as it threatens the authority of those who run the systems. Our truth comes from our soul-based feelings. Education based on the mind has peaked at its present limitations. The next progression is feelings orientated self-expression – only a few have considered this pathway.

One third of the world's population is free and open to receive these revelations and guidance.

One third of the world's population has some degree of authoritarian restraint imposed upon them.

One third of the world's population is strongly controlled and restricted to receive anything new.

WHAT IS SPECIAL ABOUT THIS BUSINESS?

Never before in the history of humanity has there been such a comprehensive revealing of truths for the benefit of all of Earth's humanity. For more than 100 years, the writings have progressively accumulated. There are no contradictions. There are no duplications. Subsequent writings, on any topic, an addition to or expansion upon, with anything provided previously without conflict.

Further, these truths have been able to be calibrated through kinesiology muscle testing and the application of Dr David R Hawkin's Map of Consciousness, as also revealed for humanity by spirits.

James Moncrief's writings define the New Feelings Way, the Feeling Healing process, and with Divine Love, Soul Healing. This is the major revelation for all of humanity, both in the physical and in spirit.

Never before has the meaning of life been so clearly understood. Never before has the straight and narrow pathway for all of humanity been so clearly understood. All of these revelations and guidance provide freedom, freedom from all that ails us.

These revelations and accompanying guidance are to be published and provided to every community in all the significant languages without hesitation or question.

This is possibly one of the very few events where others will be encouraged to work with these publications without restraint – free to copy and share as they please. For those who want to ensure the accuracy of the republications, then the original records will be accessible through Pascas Foundation in various locations and in various ways.

This is one occasion where every reader and every viewer will personally benefit. Even if the reader does nothing further, then upon entering the spirit Mansion Worlds, he or she will have an understanding of what to do and what to consider. It matters not when we embrace our personal Feeling Healing; but we will all do so – eventually.

Every institutionalised system on the planet will eventually restructure and re-establish embracing the principals of Living Feelings First. This will unfold and evolve slowly.

Few will embrace their Feeling Healing while living in the physical, but for those who do, their dynamism and insight that will emerge will be outstanding and evident to all. These people will become leaders for Earth's humanity, even if it is only in an advisory capacity.

This is the commencement of the Great U-Turn for all of humanity.

FINANCIAL REQUIREMENTS:

Funding required is US$58 billion in year one, then a further AU$58 billion for each of the three subsequent years, the fifth year being US$123 billion. Total funding of US$355 billion (AU$550 billion) will ensure that global distribution of the writings and guidance is achieved and the security of the core materials established as well as many Australian infrastructure programs of strategic importance.

PROFITABILITY:

It may come to pass, in year five, that donations and sales of print material may enable this long-term program to become self-funded whereas the humanitarian programs will require ongoing recurrent cost funding.

CONTACT INFORMATION:

John E Doel
Pascas Foundation (Aust) Limited   Bs: 61 452 436 227
Unit 1, 32 Bath Street
Labrador 4215   Qld   Australia   Em: jedoel@financefacilities.com

Pascas Foundation (Aust) Ltd

National & Global

EXECUTIVE SUMMARY – BRIEF

Pascas Foundation has available profound writings, guidance and revelations from high level spirits, the authority of which has never been afforded to humanity on such a scale ever before.

PASCAS PAPERS

Pascas Papers, numbering more than 800, have drawn together information on topics for subject specific research. The Pascas Papers' library is the product of more than two decades of investigation.

These writings provide a clear definition of the 'narrow pathway' that we may embrace which will take us through our healing of the Rebellion and Default, then the Celestial Heavens, then out of our Local Universe and all the way to Paradise to our Heavenly Mother and Father. It is a way of living not previously understood.

In the meantime, as people embrace the New Feelings Way of living, then the resolution of what ails societies throughout every community and nation, will become progressively self-apparent and resolvable. Every institutionalised system will evolve with platforms reflecting how to treat one another and how we should be interacting and living.

Health, education, commerce, legal systems and governmental structures and processes will all be found wanting and modifications will reach into every aspect of their present way of doing things.

We will begin to evolve and realise how to interact with each other in a more loving way. Prejudices and opinion making will fade. We will find truth through our feelings and have our minds to follow in the implementation of our feeling's guidance.

Education systems will become fun – through our feelings – education will be illuminating with profound advancements in truth and the way we are to live and interact with each other.

The need to hoard wealth will subside. Fear will diminish – military budgets will become unnecessary.

This is the introduction and commencement of the Avonal Age which will unfold over the coming 1,000 years. This is the greatest event in the history of humanity!

Conservative project funding projections are:

Year 2026	Year 2027	Year 2028	Year 2029	Year 2030
US$58 billion	US$58 billion	US$58 billion	US$58 billion	U$$123 billion

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PROFIT BENEFITS for INDUSTRY USERS of TECHNOLOGY

Application: “ENGLISH PUBLICATIONS”:

☐ **When print ready, these original documents are to be retained for prosperity.**
☐ **Proof reading may typically be five sequential reviews by different readers.**
☐ **When deemed ‘print ready’ then they are to be electronically released.**
☐ **Printing is to be of the highest standards, heirloom through to paperback.**
☐ **Quality is for longevity and multiple reading.**

Application: “TRANSLATED PUBLICATIONS” process:

☐ **Core or foundation English version may typically be translated electronically.**
☐ **A translator with ethos for the contents would then bring the book into proof reading status.**
☐ **Proof reading in the foreign language may typically be five sequential reviews by different proof readers.**
☐ **Printing is to be of the highest standards, heirloom through to paperback.**
☐ **Quality is for longevity and multiple reading.**

Application: “SUPPORTING PUBLICATIONS”:

☐ **Audio books are to be created as each print version is finalised.**
☐ **Braille versions are also to be produced.**
☐ **Videos and movies are to be developed for educational purposes.**

Application: “INTERNET”:

☐ **Secure websites are to be developed to provide free access to all publications:**
☐ **Webinars, blogs, VOIP, and other secure communications are to be provided via the Internet.**
☐ **Multiple languages are to be accommodated via the Internet.**

Application: “EDUCATION and the NEW FEELINGS WAY”:

☐ **Curricula for all education systems are to be developed embracing the New Feelings Way.**

Application: “HELP CENTRE”:

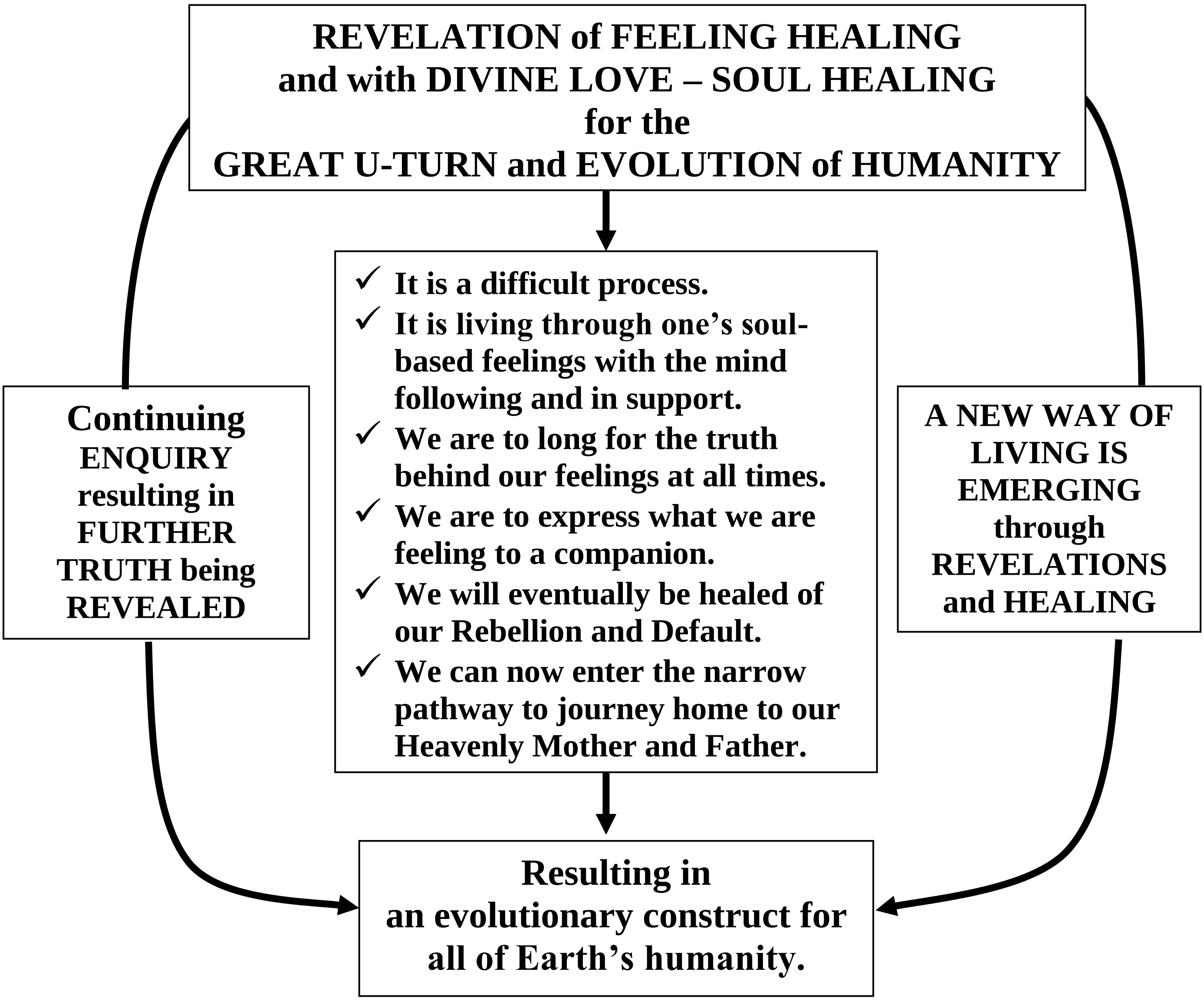
☐ **The administration of Pascas Foundation is to provide assistance 24/7 through support centres strategically positioned around the world.**

Application: “GUIDANCE and REVELATIONS”:

☐ **Feeling Healing is the only way we can heal ourselves of our Rebellion and Default.**
☐ **Once we begin to live feelings first and have our mind follow while longing for the truth behind our feelings, we are living the way we are intended to live. We are truth seekers. Living this way is the pathway home to Paradise, the home of our Heavenly Mother and Father.**
☐ **Slowly, as we on Earth embrace our Feeling Healing and live through our feelings, we will bring about a Celestial way of life on Earth. This will eventually evolve and bring about the resolution of all the social ills and dramas that now plague all of humanity.**

Pascas Foundation (Aust) Ltd

National & Global



REVELATION of FEELING HEALING
and with DIVINE LOVE – SOUL HEALING
for the
GREAT U-TURN and EVOLUTION of HUMANITY

- ✓ It is a difficult process.
- ✓ It is living through one's soul-based feelings with the mind following and in support.
- ✓ We are to long for the truth behind our feelings at all times.
- ✓ We are to express what we are feeling to a companion.
- ✓ We will eventually be healed of our Rebellion and Default.
- ✓ We can now enter the narrow pathway to journey home to our Heavenly Mother and Father.

Continuing
ENQUIRY
resulting in
FURTHER
TRUTH being
REVEALED

A NEW WAY OF
LIVING IS
EMERGING
through
REVELATIONS
and HEALING

Resulting in
an evolutionary construct for
all of Earth's humanity.

- ⇒ **These are REVELATIONS for all of Humanity.**
- ⇒ **This is involvement of spirit authority of the highest level.**
- ⇒ **This is what humanity was promised 2,000 years ago.**
- ⇒ **This is the introduction to the 1,000 year Avonal age.**

PRINCIPAL: **PASCAS FOUNDATION (Aust) Ltd** Bs 61 452 436 227
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Managing Director:	John Edward DOEL	Bs 61 452 436 227
Directors	Allan James BAKER	Mb 0423 778 100
	Asad BASIT	Mb 0401 701 505
	Lillan NIELSON	Mb 0406 256 017
	Peter Noel SHEPHERD	Mb 0418 758 765
	Peter Kenneth WILDIN	Mb 0414 871 615
	Gary Allan WILSON	Mb 0452 539 743

Project: **PASCAS FOUNDATION (Australia) Ltd nation wide**
Project **A WAY OF LIVING – FOR HUMANITY**
Location: Administration being located on the Gold Coast, southern Queensland.

Valuations: Nation building is for the ongoing benefit of all its people.

Funding:	Required	yearly	AUD90 billion	USD58 billion
Quarterly:		quarterly in advance	AUD22.5 billion	USD14.5 billion

This being a not-for-profit agenda, a company limited by guarantee with a focus upon national building, biased towards strategic industries focused upon a possible break down in international supply lines, while looking towards the needs of those survival living. Social housing is a prime agenda with ongoing support and assistance for those in distress and need.

Project: Overarching all that is to be provided is education. Education that is feelings first orientated. It is through the awareness of living feelings first we may bridge through the limitations of mind-centricity and grow beyond the stagnation that prevails worldwide. Thus mitigating the circumstances of 75% of the world's population survival living thus enables them to consider the alternative of living feelings first.

Consequently, national building and universally open and free feelings orientated education together brings about the environment for a universal lift in the levels of consciousness of all of humanity with it all starting from the Gold Coast, Queensland, Australia.

Viability: Life is meant to be simple. Presently, with an avalanche of new technologies mostly engaged as means to distract and have us avoid our feelings, we are complicating our lives unnecessarily. We use every means possible to avoid or supress our feelings. It is our feelings that are always in truth and yet we ignore them totally.

This is the Great U-Turn for humanity. This event has been unfolding for the past 4,000 years and now it is here for all to embrace. This event will be the focus of humanity for the coming 1,000 years being the Avonal Age.

KEY PERSONNEL:

Board of Directors:

John Edward DOEL DoB 16 January 1947
Position: Chartered Accountant. Conducted substantial public practice, developed and operated two private hospitals in New South Wales. Undertaken extensive industry research and business practice developments.
Duties: Actually – the typist!

Allan James BAKER DoB 29 June 1941
Position: Public accountant since 1974. Been actively involved in the formation of Pascas Foundation (Aust) Limited since conception.
Duties: Chairman

Peter Noel SHEPHERD DoB 15 December 1948
Position: BE(Hons), ME, FIE (Aust), FAIM, FID, LGE, JP, Chartered Engineer
Building, infrastructure, major urban development in South Australia and Queensland. Past Director Planning and Development Services / Shire Engineer for the Albert Shire Council amalgamating with the Gold Coast City Council, responsible for over 500 personnel and the fastest growth area in Australia.
Duties: Liaison officer for the networking of enterprises throughout Australia.

Asad Bin BASSIT DoB 14 October 1949
Position: Institute of Chartered Accountants in England and Wales
Leadership role of all programs and agendas.
Duties: Pakistan national development and general oversight.

Lillan NIELSON DoB 13 December 1949
Position: Leadership of Multicultural Families Organisation, Gold Coast, then worldwide.
Duties: Overarching understanding of living feelings first and the changes to unfold.

Gary Allan WILSON DoB 19 May 1959
Position: Australian Society of CPA's
Duties: Crypto currency and global fund allocations. General projects and development.

Helen ADAM DoB 14 September 1970
Position: Long history in the unfolding of the Pascas agenda – now to empower others.
Duties: Human Resources oversight – roving role of oversight

Team Leaders:	Bishop Brian Iverach	Liaison for India, Kenya, Philippines, etc.
	Archbishop John Augustine	Liaison for India – Uttar Pradesh
	Anatoliy Yatsenka	Liaison for Ukraine
	Antonella Russo	Liaison for Argentina
	Anneli Gannaway	Liaison for Sweden
	Honoka Takahashi	Liaison for Japan
	Charly Brown	Liaison for England + Universities
	Alessandra Pecci	Liaison for the World
	Ian Dowling	Liaison for Ireland
	Marius Bispo	Liaison for Brazil
	Janvier Nzanywayimana and Ally Claire	Liaison for Rwanda
	David Nduwimana	Liaison for Burundi
	Lucia Stedman	Liaison for Caribbean SIDS
	Farah Deeba Akram	Liaison for Pakistan
	Yazeed Sameh Ali Muhaidat	Liaison for Jordan
	Sayed Hossein Sadeghy	Liaison for Afghanistan
	Sowany J Matou	Liaison for Vanuatu
	Graham Golding	Business acumen
	Brett Ogilvie	Transport mediums and technologies
	Lachlan Riddell	Sciences and technologies
	Marco Renai	Mentors of Business (girls and boys)
	Mark Delaney	Oversight of micro computer chip fabrication
	Jim McMillan	Networking and communications
	Jason Hodges-Harris	Information Technology technical development
	Rudy De Bruyn	International trade
	Norm Copeman	Film studios development
	Michael Baker	Film Production
	Jeff Heisey	Movie production
	Faizel Hassan	Counselling to those aspiring to live feelings first
	Steve White	Relations and networking
	Craig Kenway	Property development and administration
	Dean Rowley	Indigenous communities – Australia

Technical staff is to be sourced from the surrounding universities and community. As Pascas is a worldwide humanitarian program requiring many decades and generations to deliver, the financial resources found are simply staggering. Thus global understanding will be extensive and detailed down to micro communities requiring many professions collaborating and comprehending the biggest shift in consciousness that humanity has ever experienced. This will be a work of art and discovery as the way forward for each community in each nation is mapped out. South East Queensland (SEQ) is a bio-geographical, political and administrative region of the state of Queensland in Australia, which contains more than 4.2 million people out of the state's population of 5.5 million (2025).

The participants are to evolve into personnel teams, the likes of which has never existed before. These teams will be augmented and counselled by Council of Elders being in the physical as well as Celestial.

CORPORATE DATA: **PASCAS FOUNDATION (Aust) Limited** ABN 23 133 271 593

Current Shareholders:	Pascas Foundation (Aust) Limited is a company limited by guarantee and is a designated gift recipient for taxation purposes within Australia – a charity. There are no shareholders. Membership is subscribed annually.	
Solicitors:	Simon Bennett OMB O'Keefe, Mahoney & Bennett 1/9 Seabank Lane, (off 1 Short Street) Southport 4215	Em: sbennett@omb.com.au Bs: 61 7 5555 0000
Accountants:	Ryan Tarrant CPA ZWECK Group 43 Leda Drive, Burleigh Heads	Em: ryantarrant@zweckgroup.com.au Mb: 0432 612 337 Bs: 61 1300 305 229
Auditors:	Richard Allen Allen Audit & Advisory 37 / 58 Riverwalk Ave Robina 4226	Em: richard@allenaudit.com.au Bs: 61 7 5503 1709
Bank:	National Australia Bank 27 Scarborough St, Southport 4215	Bs: 13 22 65
Registered Office:	John E Doel Unit 1, 32 Bath Street Labrador 4215	Em: jedoel@financefacilities.com Bs: 61 452 436 227

GLOBAL FINANCIAL SUPPORT:

Each nation and territory are to become autonomous. That is, as the administration within each becomes comprehensibly understanding of and embracing living feelings first and recognising the revelations throughout the Pascas Papers, then they will become autonomous.

Some nations with very large populations or distinctive differentiations may become separate structures like that for nations. Thus India may have an administration team within and for each state. Russia may have several regional administration teams.

Presently, we are establishing a crypto currency structure for the making available and distribution of financial assets worldwide. This is being centred around and through Google Bank.

KEY FINANCIAL DATA – AUSTRALIA:

The table sets out the Company's projections for the first five years of operations.

FINANCIALS US $,000	Year 1	Year 2	Year 3	Year 4	Year 5
GRANT FUNDING	58,000,000	58,000,000	58,000,000	58,000,000	123,000,000
AUSTRALIA PROJECTS	57,500,000	57,500,000	57,500,000	57,500,000	122,500,000
DEPRECIATION	1,680	1,980	2,340	2,340	2,340
EBIT	-66,918	-84,320	-84,121	-71,339	-22,954
NET CASH GENERATED	-65,286	-83,933	-89,343	-77,902	-44,517

AUSTRALIA’s DICHOTOMY

A division or contrast between two things that are or are represented as being opposed or entirely different:

This is a business plan to not only confront the greatest dichotomy facing the people of Australia, but it is not only Australia, it is for all of humanity, and by humanity we mean both living in the physical as well as living in the spirit Mansion Worlds.

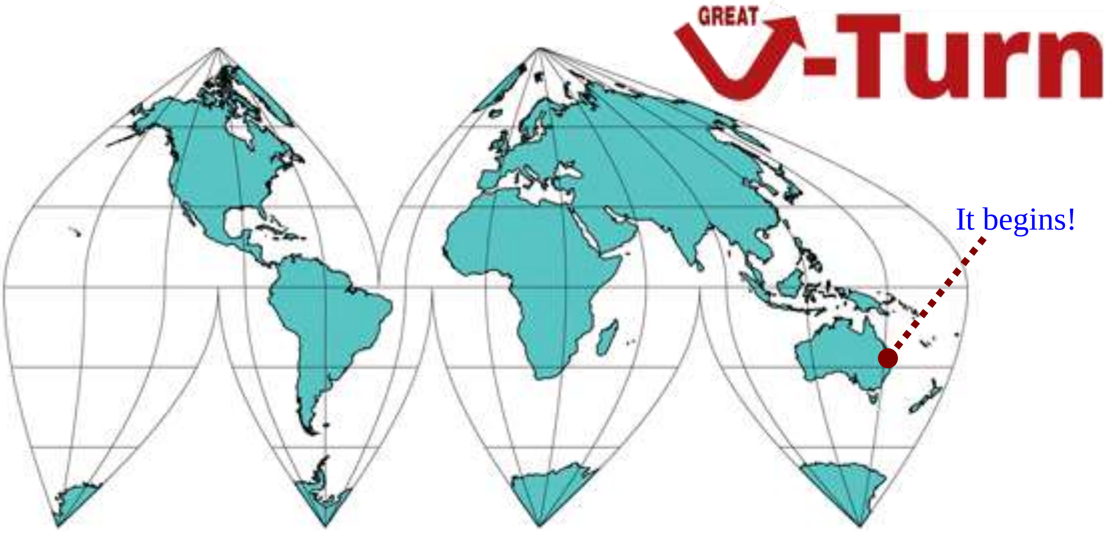
Now, by recognising what we have subjected to, we can now address it, and to address it we are to make the **Great U-Turn**. We are to change the way by which we live!

We have been subjected to suppression in all of our ways by which we live and consequently we have been entrapped into mediocrity, well, a stupor, a zombiism way of living life. We are now to free ourselves. We are to escape from our Poverty in Truth.

Life is meant to be simple and how we live is in slavery, to being controlled by others, others who do not even show themselves.

Our Great U-Turn will take all of the next 1,000 years to unfold and few will at first embrace aspiring to live feelings first having their minds to follow while always longing to know the truth behind what our feelings are drawing our attention to. However, generation after generation, all will benefit. We pass through to our children what gains we personally achieve.

It begins here:



For the past 200,000 years, humanity has been guided to live mind-centric while suppressing and ignoring our feelings. It was on the illusion that through our minds would be able to become ‘mini-gods’. Females are closing to their feelings then males – consequently the controllers recognised that if males didn’t subjugate females to their will then the women would put an end to this folly. Consequently women have been held subordinated to men these past 200,000 years. This is now to END!

Further, we as parents pass through to our children ALL of our emotional injuries and errors of belief. At conception, the newly arriving child is subjected by the ‘fire hosing’ of emotional dross and crud from its parents and carers around its environment. The child arrives perfect always, however, should the child survive to be physically born and then live through to age six years it will then calibrate on Dr David Hawkins’ Map of Consciousness scale at the same level as one of its parents should they differ.

This calamity is ignored throughout all aspects of professions. The consequences, as children reflect the consciousness level of its parents, the level of consciousness of humanity overall remains stagnant for long periods. Overall, humanity has calibrated at around 190 MoC (Map of Consciousness) for nearly 2,000 years, from 300CE onwards. Presently, humanity overall is calibrating around 220 MoC. Going back to 500BC, humanity calibrated around 90 MoC. It was the arrival of Mary Magdalene and Jesus of Nazareth that brought about the shift some 2,000 years ago.

Should we individually continue to live mind-centric and suppress our feelings, then we CAN NOT progress beyond 499 MoC. That is the glass ceiling of mind-centricity!

FURTHER, the child when it arrives in the womb is in a perfect state, calibrating around 1,000 MoC – the peak achievable through Natural Love. When the foetus commences pumping blood at around day 16 after conception then we are incarnated. At that moment we are individualised. Should our physical body die at any time after individualisation we will NEVER have another physical experience, we will go on to be spirit born in the 1st spirit Mansion World and have a life similar to the one we would have experience should we have lived in the physical on Earth.

It is the infusion of emotional injuries and errors of belief into the child in the foetus that brings about child deformities, child illness and even death of the child in the womb. Should we as parents heal ourselves of our own emotional issues then the child will be born in a perfect state. This is what is now possible.

We impose upon our children all of their life time issues, health issues, financial issues, quality of life through our own poor level of Truth – reflected in our Map of Consciousness (MoC) calibration.

NOW, here is the cruncher of our perpetuating suppression of Truth – suppression and repression of our Childhood Suppression:

75% of humanity on Earth calibrate at or below 200 MoC. That is 6 billion people living in a poverty of truth that prevailed more than 2,000 years ago!

40% of humanity on Earth calibrate at or below 100 MoC. That is 3.2 billion people living in a poverty of truth that prevailed more than 2,500 years ago!

Rome
2 thousand
years ago
Africa
like...
an hour ago

KEY INFOGRAPHIC:

ROOT CAUSE – PATHWAY FORWARD (see next page)

PRIMARY PASCAS PAPERS – SOLUTIONS and UNDERSTANDINGS:

Kindly go to www.pascashealth.com, then Library Download page, scroll down to and open:

MEDICAL EMOTIONS: (this set being universal introduction and education platform)

- Pascas Care Living Feelings First - Adults.pdf
- Pascas Care Living Feelings First - Children - Annexures.pdf
- Pascas Care Living Feelings First - Children - Discussions.pdf
- Pascas Care Living Feelings First - Children - Graphics.pdf
- Pascas Care Living Feelings First - Children.pdf
- Pascas Care Living Feelings First - Drilling Deeper - Structures.pdf
- Pascas Care Living Feelings First - Drilling Deeper.pdf
- Pascas Care Living Feelings First - Reference Centre.pdf

PASCAS CARE LETTERS: (this is the introduction of the platform of psychology)

- Pascas Care Letters Changes for Health Sciences Overview.pdf
- Pascas Care Letters Poverty and Religion.pdf
- Pascas Care Letters Psychic Barriers of Traditions Customs and Norms.pdf
- Pascas Care Letters Psychology and Feeling Healing.pdf
- Pascas Care Letters Psychology Compulsions Addictions.pdf

MEDICAL: (you can test for yourself the level of truth of anything!)

- Pascas Care Kinesiology Testing.pdf
- Pascas Care Kinesiology Personality Traits.pdf
- Pascas Care Kinesiology Submissiveness.pdf
- Pascas Care Kinesiology Videos.pdf

And then kindly consider all of these sections:

PARENTING:

FEELING HEALING:

And then explore the library as you so please.

Root Cause

Highly esteemed Lanonandek spirits from within our local universe of Nebadon were assigned as System Sovereigns of our local system to oversee Earth's humanity and their spiritual development. 200,000 years ago they, the Lucifers, became infatuated with their authority and turned against the regents of Nebadon, Mary and Jesus, as well as rejecting God. Through their Planetary Princes, also Lanonandek spirits, they had taken the humanities of 37 worlds within their local system into their Rebellion.

By living through our minds, suppressing our feelings, we on Earth will continue to be at war with each other, illnesses of all descriptions will continue from our feelings suppression, famine and inequalities prevail, control of others is the core of all systems, we cannot determine truth from falsehood and life on Earth is a living hell. We have been continually seduced by mind Mansion World spirits and we live life in a stupor – nothing more than zombies doing the begging of the evil ones, the rebellious Lanonandek spirits.

By living through our minds, suppressing our soul based feelings, we have been progressively going further and further away from our Heavenly Parents, now to the point that we cannot go any further. Through working cracks in the Universal Contract governing the Rebellion and Default, this control has been ended formally as of 31 January 2018.

Pathway Forward

To liberate one's real self, one's will, driven by one's soul, moves one to embrace Feeling Healing, so as to clear emotional injuries and errors. With the Divine Love, then one is also Soul Healing. We are to feel our feelings, identify what they are, accept and fully acknowledge that we're feeling them, express them fully, all whilst longing for the truth they are to show us.

God's Divine Love: Pray for it, ask for it, and receive it.

The Golden rule is: Never interfere with another's will.

Golden Rule: that one must always honour another's will as one honours one's own.

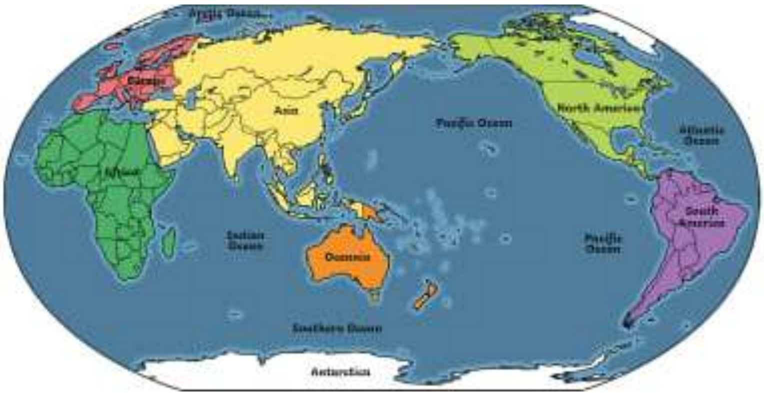
New Feelings Way: learning how to live true to ourselves by living true to our feelings.

We are to express our feelings, both good and bad, at all times, and to long for the truth of them.

By living true to ourselves true to our feelings, we are living true to God. It's that simple.

Lack of Love from Parents!

Parents abandon their Children emotionally!
Our Parenting of our Children is oh so unloving!
The evilest thing we do is to have Children!

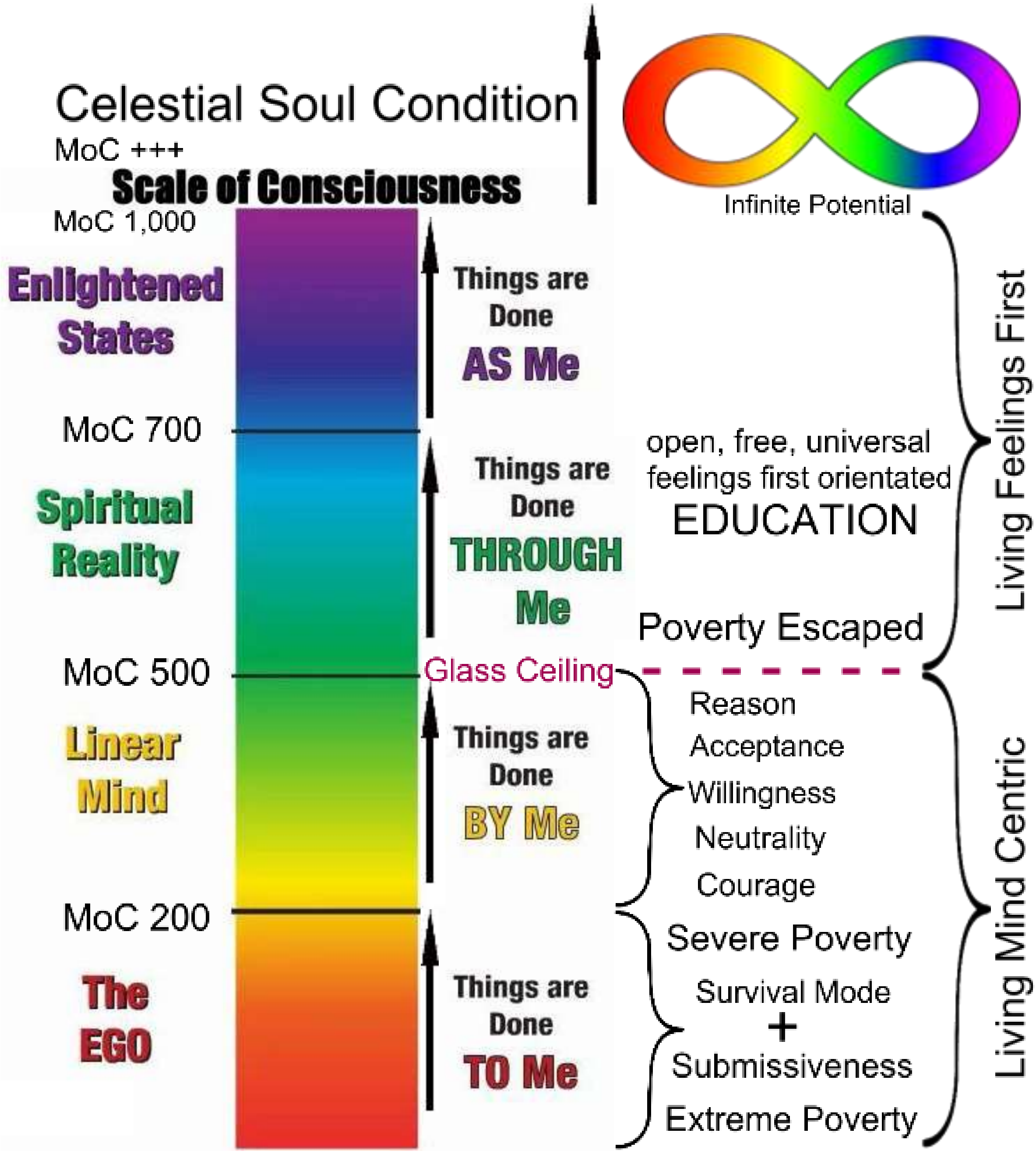

Arctic Ocean
Europe
Asia
Africa
Pacific Ocean
North America
Atlantic Ocean
South America
Indian Ocean
Oceania
Pacific Ocean
Southern Ocean
Antarctica

Put Children First

simple is what life is meant to be!

Children only need their parents' love!

POVERTY EXTERMINATION



Celestial Soul Condition

MoC +++

Scale of Consciousness

Infinite Potential

MoC 1,000

Enlightened States

Things are Done AS Me

MoC 700

Spiritual Reality

Things are Done THROUGH Me

open, free, universal feelings first orientated EDUCATION

Poverty Escaped

Living Feelings First

MoC 500

Glass Ceiling

Linear Mind

Things are Done BY Me

Reason

Acceptance

Willingness

Neutrality

Courage

MoC 200

The EGO

Things are Done TO Me

Severe Poverty

Survival Mode + Submissiveness

Extreme Poverty

Living Mind Centric

POVERTY as defined by lack of Consciousness, being in UNTRUTH

Nation	Consciousness (MoC)	Population (2024)	Percentage Calibrating MoC 100 | MoC 200 or below		Population in Untruth Poverty POVERTY
Afghanistan	85	43,400,000	48%	92%	39,930,000
Angola	80	37,800,000	66%	95%	35,900,000
Argentina	280	46,000,000	28%	70%	32,200,000
Australia	410	27,000,000	10%	48%	12,960,000
Bosnia Herzegovina	180	3,300,000	38%	75%	24,750,000
Caribbean OECS	280	11,000,000	32%	78%	8,580,000
China	305	1,425,000,000	40%	79%	1,125,750,000
Colombia	320	52,200,000	32%	67%	34,970,000
Dominica Common	290	66,000	27%	66%	43,600
Eritrea	180	5,800,000	48%	85%	4,930,000
Ethiopia	140	115,000,000	50%	88%	101,200,000
European Union	380	451,000,000	14%	67%	30,220,000
Gaza Strip	180	2,100,000	59%	84%	1,760,000
India	305	1,436,000,000	38%	74%	1,062,640,000
India – Gujarat	280	73,000,000	44%	79%	57,670,000
India – Uttar Pradesh	300	239,000,000	41%	75%	179,250,000
Indonesia	220	280,000,000	34%	78%	218,400,000
Israel	190	8,660,000	28%	85%	7,360,000
Jordan	185	11,500,000	27%	80%	9,200,000
Papua New Guinea	220	17,000,000	55%	80%	13,600,000
Philippines	225	119,000,000	49%	80%	95,200,000
Poland	190	38,500,000	55%	81%	31,185,000
Russia	320	144,000,000	38%	81%	116,640,000
Solomon Islands	220	690,000	64%	85%	586,500
South Africa	190	60,000,000	49%	88%	52,800,000
Tanzania	200	68,800,000	53%	85%	58,480,000
Ukraine	330	38,000,000	48%	78%	29,640,000
United Kingdom	420	68,000,000	30%	65%	44,200,000
United States America	405	341,000,000	31%	56%	190,960,000
Vanuatu	305	307,000	39%	78%	240,000
Zimbabwe	100	17,000,000	65%	85%	14,450,000
World overall	220	8,100,000,000	**40%**	**75%**	**6,075,000,000**
					POVERTY

The world's 20 largest religions:

POVERTY as defined by lack of Consciousness, being in UNTRUTH

World 20 Largest Religions	Consciousness (MoC) **Adherents**	No	Population of **Adherents**	Percentage Calibrating		Population in Untruth Poverty POVERTY
				MoC 100	MoC 200 or below	
Christianity	270	1	2,400,000,000	29%	66%	1,600,000,000
Islam	244	2	1,900,000,000	34%	70%	1,330,000,000
Atheism	219	3	1,100,000,000	35%	69%	759,000,000
Hinduism	255	4	1,100,000,000	36%	71%	781,000,000
Chinese traditional	210	5	400,000,000	34%	69%	276,000,000
Buddhism	202	6	380,000,000	36%	74%	281,200,000
Primal indigenous	201	7	300,000,000	39%	68%	204,000,000
African traditional	196	8	100,000,000	38%	74%	74,000,000
Sikhism	201	9	23,000,000	31%	68%	15,640,000
Juche	198	10	19,000,000	39%	77%	14,630,000
Spiritism	199	11	15,000,000	39%	74%	11,100,000
Judaism	205	12	14,000,000	36%	75%	10,500,000
Bahai	215	13	7,000,000	34%	74%	5,180,000
Jainism	200	14	4.200,000	37%	74%	3,108,000
Shinto	200	15	4,000,000	32%	69%	2,760,000
Cao Dai	204	16	4,000,000	33%	68%	2,720,000
Zoroastrianism	203	17	2,600,000	40%	74%	1,924,000
Tenrikyo	200	18	2,000,000	39%	69%	1,380,000
Neo-Paganism	199	19	1,000,000	41%	78%	780,000
Unitarian-Universalism	205	20	800,000	39%	74%	592,000
Overall	**220**		**7,772,400,000**	**36%**	**72%**	**5,375,514,000**

Thus, generation after generation, the families remain calibrating at the same levels as prior families and there has been and cannot be any consciousness growth. That has been the case for the past 1,700 years for Earth's humanity. While a family remains living mind-centric and suppressing feelings then there will be no growth and development for that family. And no societal development!

The Lanonandek spirit class emanate from within our local universe of Nebadon. They are not from Paradise, the home of our Heavenly Mother and Father. The Lucifers and Satans who are our System Sovereigns were imprisoned during the physical life of Jesus and Mary Magdalene on Earth in 26 CE. The Caligastias and Daligastias who are our Planetary Prince were imprisoned in 1993 CE. Caligastia is the personality that when you refer to the devil you are referring to him.

Their influence has embraced ALL institutionalised systems. Education, health, legal systems, everything imaginable have all been manipulated and structured to keep humanity suppressed and submissive to Lucifers long term agendas. There are no exceptions.

FOR 200,000 years ALL SCRIPTURES and Earth based INSTITUTIONALISED SYSTEMS are the WORK of the REBELLIOUS LANONANDEKS:

The rebellious Lanonandeks from within our local universe are these soulmate pairs:

THE EVIL ONES

Lucifer pair **Satan pair**
Arrested and imprisoned 26 CE

Caligastia pair **Daligastia pair**
Arrested and imprisoned 1993 CE

The consequences are in this simple table:

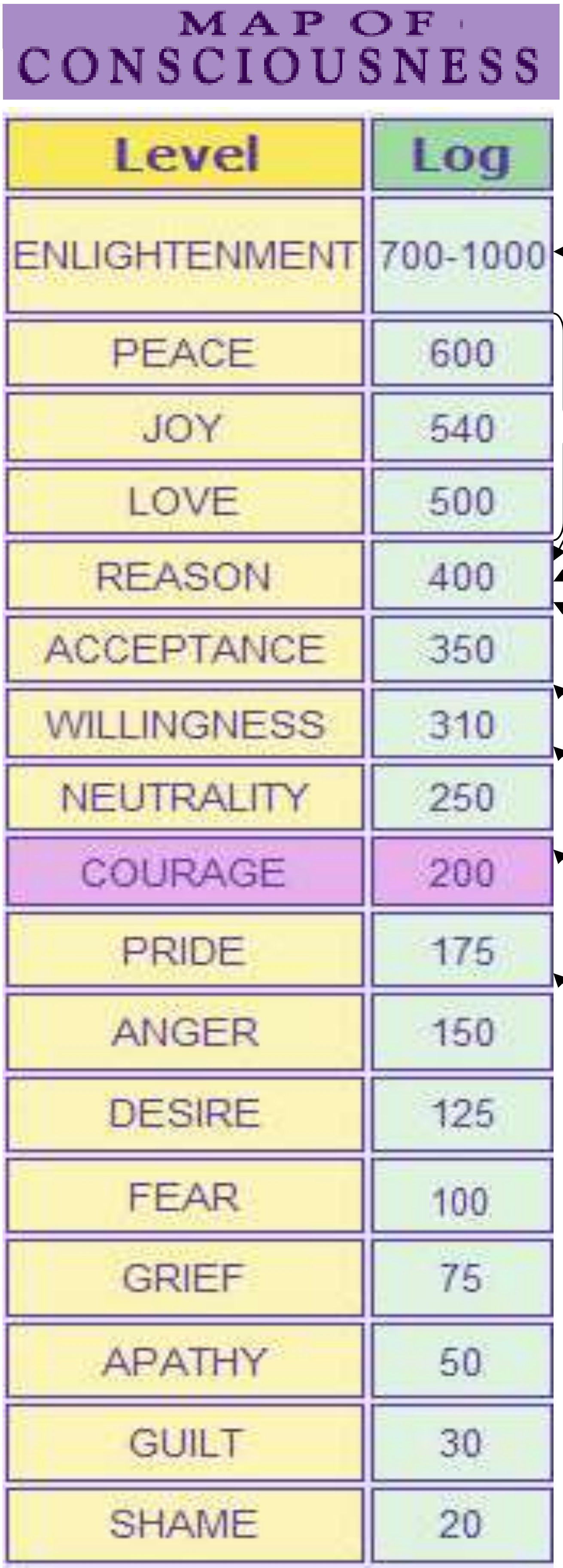
WORLDWIDE relationship of MoC calibration with Life Experiences
Life Expectancy, Development, Happiness, Education, Income

MoC	No. of Countries+ Territories	Average MoC	Average Life Expectancy	Human Development Index	Happiness Index	Education Index	Per Capita Income 2021
400s	22	405	82.2	0.924	7.1	.890	US$63,032
300s	71	343	77.2	0.794	6.1	.741	US$30,154
200s	50	251	72.7	0.676	5.3	.610	US$16,560
High 100s	38	174	70.5	0.659	5.0	.600	US$12,516
Low 100s	21	119	67.1	0.587	4.6	.501	US$7,081
Below 100	14	74	65.3	0.565	4.4	.501	US$6,377
WORLD	216	220	73.3				US$17,110

These two charts demonstrate the stark reality of one's probable quality of life that we will experience relative to our personal calibration as per the Map of Consciousness developed by Dr David Hawkins. Our calibration level is essentially set for life by the time we reach the age of six (6) years.

Correlation of Levels of Consciousness – Soul Condition – and Society Problems
Truth vs Falsehood by Dr David R Hawkins 2005

Level of Consciousness	Rate of Unemployment	Rate of Poverty	Happiness Rate "Life is OK"	Rate of Criminality
600 +	0%	0.0%	100%	0.0%
500 - 600	0%	0.0%	98%	0.5%
400 - 500	2%	0.5%	79%	2.0%
300 - 400	7%	1.0%	70%	5.0%
200 - 300	8%	1.5%	60%	9.0%
100 - 200	50%	22.0%	15%	50.0%
50 - 100	75%	40.0%	2%	91.0%
< 50	95%	65.0%	0%	98.0%



MAP OF CONSCIOUSNESS

Level	Log
ENLIGHTENMENT	700-1000
PEACE	600
JOY	540
LOVE	500
REASON	400
ACCEPTANCE	350
WILLINGNESS	310
NEUTRALITY	250
COURAGE	200
PRIDE	175
ANGER	150
DESIRE	125
FEAR	100
GRIEF	75
APATHY	50
GUILT	30
SHAME	20

Map of Consciousness from Dr David R Hawkins, M.D., Ph.D. "Power vs Force".

PERSONALITY TRAITS:

Less than two dozen people on planet Earth.

Would not pick up a weapon let alone use it. These people gravitate to the health industry and humanitarian programs.

Debate and implement resolutions without argument and delay. 470
Debate and implement resolutions in due course. 440
Debate and implement resolutions with some degree of follow up generally needed. 410

Management supervision is generally necessary.

Politics become the hope for man's salvation.

Cause no harm to others starts to emerge.
Power overrides force.
Illness is developed by those man erroneous emotions that calibrate 200 and lower.

Armies around the world function on pride.
Force is now dominant, not power.

Harm of others prevails, self-interest prevails.

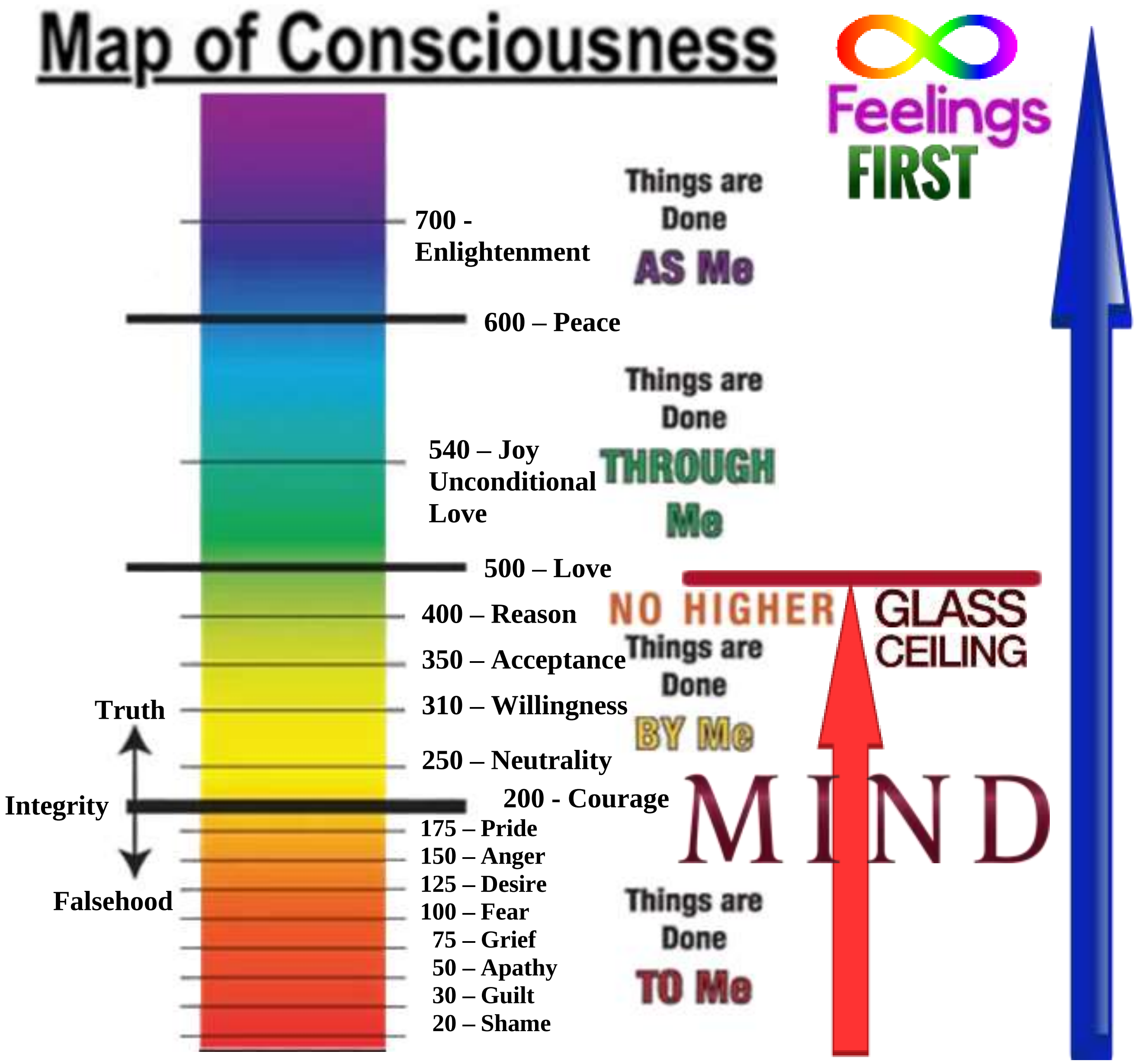
Totally self-reliant, not God reliant.

Fear dominates all motivation.

Suicide is possible and probable.

At these levels, seriously harming others for even trivial events appears to be justifiable.

Poverty, unemployment, illness, etc., this is living hell on Earth.


Map of Consciousness
Feelings
FIRST
Things are
Done
AS Me
700 -
Enlightenment
600 – Peace
Things are
Done
THROUGH
Me
540 – Joy
Unconditional
Love
500 – Love
NO HIGHER
GLASS
CEILING
400 – Reason
350 – Acceptance
Things are
Done
BY Me
310 – Willingness
Truth
250 – Neutrality
Integrity
200 - Courage
MIND
175 – Pride
150 – Anger
125 – Desire
Falsehood
100 – Fear
75 – Grief
50 – Apathy
30 – Guilt
20 – Shame
Things are
Done
TO Me

This outline of the Map of Consciousness spells out the fact that while we live Mind-Centric and ignore and suppress our Feelings we cannot pass 499 MoC. Our mind being in control, as we have all been indoctrinated to live, is a glass ceiling. Humanity cannot heal anything, cannot be spontaneous, has no intuitiveness, and is locked into living in the deep hell states. This is why people find themselves in abusive homes, domestic violence, housing stress, homelessness and gross difficulties of all kinds. This is why we are easily manipulated, embrace propaganda and are being controlled by a few.

Women are closer to their feelings and that is why the nursing profession hosts a lot of women who calibrate a little over 500. These women are the healers in hospitals.

By aspiring to live Feelings First we are each breaking the glass ceiling and opening our potentials to grow in truth and love not only to 1,000 MoC, but to infinity. This is our destiny.

As communities embrace living Feelings First and having their minds to follow in supporting what their feelings are guiding them with, then ALL of the social ills of society will begin to mitigate. Please, do comprehend the importance of what is being shared throughout this document?

WE ENDURE FOUR LAYERS of PERSONALITY SUPPRESSION!

Unknowingly, our parents pass onto their children (us) their beliefs and way of living that has evolved since the Rebellion, some 200,000 years ago, and then the Default, some 38,000 years ago. In this way, humanity is suppressing the female, rejecting our Spiritual Parents, namely Jesus and Mary, and denying our Heavenly Parents being our true Mother and Father, of Their truth, standing and existence.

The Rebellion is against love, the Default is all the difficulties we have in our relationships because of our rebellion. Healing the Default is becoming true, to ourselves and in our relationships, and ending our unlovingness – our rejection of love, so ending the Rebellion. Nanna Beth 29 June 2017

We are souls, our personality is an expression of our soul. It is our free expression of our soul through our feelings that we are to embrace and follow. This expression may appear to be wilful in nature, from time to time, and consequently our parents' attempt to suppress this expression. They proceed to remodel us when as young children, in the manner their parents treated them and so on for many generations going back.

During our forming years, as a child, we are unable to recognise the suppression of our personality as being extra-ordinarily harmful to our soul based personality and, accordingly, we don't know that things can be any other way. Presently, neither do our parents.

This childhood suppression way of living continues throughout our schooling years, thus we learn this is a way of life that is normal.

Our religions all have been formed based on the tenets of the Rebellion and Default. The teachers and leaders throughout all denominations take us further away from our suppressed feelings that have been hammered into us during our forming years, thus entrenching us further into rejecting our true selves.

The controlling and suppression mechanisms of our parents, educators and spiritual teachers all manifest throughout all of commerce. This control comes heavily and brutally down upon all levels of employment. The capability to express one's soul based attributes and gifts is sealed throughout all of one's working life.

A new way of living is to enable the liberation of one's true personality through the Feeling Healing process AND the transfer of authority to the individual via embracing freedom of expression.

BUT THERE ARE FURTHER LAYERS OF CONTROL!

THREE LEVELS OF GOVERNMENT
① FEDERAL
② STATE
③ LOCAL

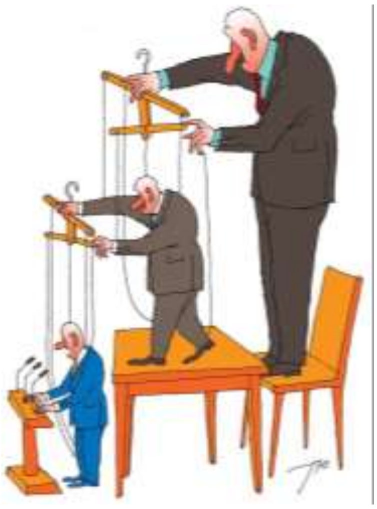
Federal, state and local governments impose their 'rule' upon the people that appoint them to serve these very same people!

Instead of assisting their people, governments at all levels impose restrictions and controls.

GOVERNMENT
Derived from the Latin verb
Guverno, Guvernare
meaning **"To Control"**
&
the Latin noun
Mens, Mentis
meaning **"Mind"**
To Control The Mind

The same people who 'elect' the members of parliament do not realise that the 'nominees' are often puppets of hidden controllers.

HIDDEN CONTROLLERS



'Heads of society' are considered leaders. The 300 Bilderberg Club members are (short term) leaders throughout the world, but these are controlled by some 30 families (medium term), who are in turn are manipulated by 12 (long term) families. All of this is managed and imposed by global secret society networks under the direction of the 12 long term families and their chairman.

CONTROL DiSRUPT

celestial Friends

Since 31 May 1914, Celestials have been progressively introducing high level truths to humanity that have been prevented from sharing for thousands of years. From 31 January 2018, Celestials have been disrupting the hidden controllers on Earth and slowly bringing about their manipulation and suppression of Earth's humanity.

**Negative Spirit Influence
blocked 22 March 2017
Law of Compensation
quickening 22 May 2017
Rebellion and Default
officially ended
31 January 2018**

GREAT
U Turn

**Great U-Turn for humanity
now ready for Mobilisation
22 July 2023
Celestial soul state condition
achieved 22 September 2024**

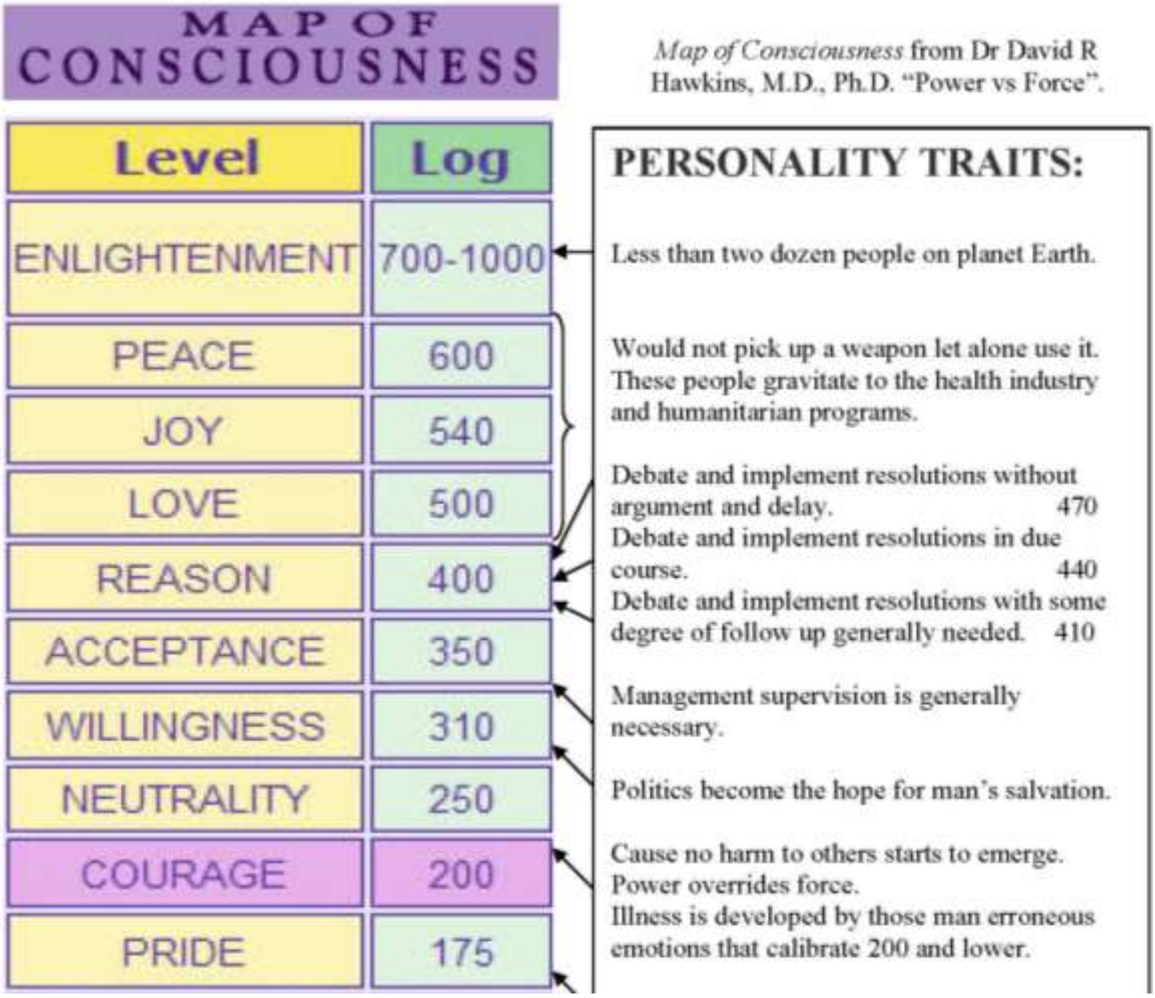
GOVERNMENTAL RESTRAINT upon its PEOPLE

Nation	Consciousness (MoC)	Population (2024)	**Parliament**	MoC (2024)	Elected Number
Afghanistan	85	43,400,000	Taliban Parliament 2021 ~ **was** Upper 102 Lower 250	205	0 352
Angola	80	37,800,000	National Assembly	220	220
Argentina	280	46,000,000	Federal Parliament Senators (upper house) Deputies (lower)	310 320 300	329 72 257
Australia	410	27,000,000	Federal Parliament Senate (upper house) Representatives (lower)	380 380 380	227 76 151
China	305	1,425,000,000	Politburo Standing Committee Politburo Central Committee Congress	280 285 290 295	7 24 200 2,000
Colombia	320	52,200,000	Parliament Senate Chamber of Representatives	344 344 332	296 108 188
Eritrea	180	5,800,000	Dictatorship	315	none
European Union	380	451,000,000	Parliament	335	705
India	370	1,436,000,000	Parliament Council of States (upper) House of People (lower)	400 410 390	788 245 543
Indonesia	220	280,000,000	Parliament Regional Rep Council Peoples Rep Council	288 295 280	711 136 575
Jordan	185	11,500,000	Parliament Senate Representatives	280 290 270	207 69 138
Pakistan	140	251,000,000	Parliament Senate National Assembly	310 315 300	432 96 336
Philippines	225	119,000,000	Senate Representatives	291 299	24 316
Poland	190	38,500,000	Parliament Senate Lower House	280 300 270	560 100 460
Russia	320	144,000,000	Federal Assembly Federation Council (upper) State Duma (lower)	305 310 300	620 170 450
Rwanda	70	14,500,000	Parliament Senate Chamber of Deputies	275 270 280	106 26 80
South Africa	190	64,000,000	Parliament National Council National Assembly	280 290 270	490 90 400
Tanzania	200	68,800,000	National Assembly	290	393
Uganda	90	50,500,000	Parliament	280	529
Ukraine	330	38,000,000	Verkhovna Rada	300	450
United Kingdom	420	68,000,000	Parliament UK House of Lords	390 380	1,433 783

			UK House of Commons	400	650
United States of America	405	341,000,000	USA Congress Senate House of Representatives	380 365 390	535 100 435
Zimbabwe	100	17,000,000	Parliament Senate (upper) National Assembly (lower)	260 260 260	360 80 280
World overall	220	8,100,000,000			

LEADERSHIP PERSONALITIES should CALIBRATE at or over 400 MoC

For dynamic leadership and to qualify for being considered to represent the people of any nation, candidates need to calibrate on Dr David Hawkins' Map of Consciousness at or over 400 MoC. To qualify for high political appointments, then only those calibrating 410 MoC + need to stand for such positions. Great leaders and statesmen throughout history generally have high consciousness levels. As can be seen by the above observations, politics in most nations have been hijacked by controlling interests so that their nominees are readily compromised and the people then being suppressed and manipulated without their best interests being prioritised.



Map of Consciousness from Dr David R Hawkins, M.D., Ph.D. "Power vs Force".

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Power overrides force.
Illness is developed by those man erroneous emotions that calibrate 200 and lower.

WE ARE ALL BEING PLAYED

DIVIDE & CONQUER: IF THEY KEEP US FIGHTING WITH EACH OTHER, WE WILL NEVER FIGHT THE TRUE ENEMY... **THE ESTABLISHMENT**!

DIVIDE AND CONQUER MECHANISMS:

Skin Colour / Tone Bigotry
Borders & National Cultures
Language Divides
Financial Enslavement
Professional Snobbery
Assumptions Err 98% of the time
Mind-Centrism Stagnation
Mind Control Addiction
Institutional Controls

Class & Social Structures
Militarism is all Wrong
Societal Customs & Practices
Debasement of Education
Sexual Preference Bigotry
Political Division
Religious Bigotry
Mind Untruth Addiction
Leadership Propaganda & Lies

Parental / Teacher / Religion / Employer / Government Suppressions
Potable Water Security Food Security Safe Shelter Security
Universal suppression of all peoples by covert controllers
Living Mind Centric is prohibiting spontaneity & freedom
Living Feelings First is living in truth & freedom !
Women Liberating
Childhood Suppression to end

Psychic Barriers

'Submissiveness'

Submissiveness is observable with personalities that calibrate on Dr David Hawkins' Map of Consciousness (MoC) at 200 or below. Though they may be assertive, they readily submit and comply with authority and authoritarian domination.

Those having covert controlling agendas readily take advantage of this trait which is a psychic barrier imposed upon humanity by high level controllers thousands of years ago. These high level controllers imposed upon humanity a way of life and living that was and still is holding back the growth and development of all people on Earth. These high level controllers' agenda was to ensure that a growing number of subservient beings were available for their expansionary controlling agendas elsewhere.

Presently, 2024, the people of Afghanistan – 44 million – calibrate overall at 85 MoC. Of the 34 provinces, the highest is 100 and the lowest 75 MoC. Coincidently, the population of USA – 330 million – calibrate overall at 405 MoC, however just over 50% of the people calibrate under 200 MoC.

The submissiveness of the Afghanistan people was demonstrated by their acceptance of the Taliban taking over control and government in August 2021 without any significant resistance. The leader of the Taliban calibrates at around 280 MoC. Coincidently, the Republican Party nominee for President of United States of America also calibrates at around 280 MoC, and his platform is clearly attracting the support of the people of USA who calibrate under 200 MoC!

'Mind – Centricity'

Those same high level controllers back thousands of years ago seduced Earth's humanity to live Mind-Centric on the false premise that we could grow through our minds in greatness to become mini-gods!

While we live mind-centric and suppress our feelings and our true self, we cannot progress beyond 499 MoC on the Map of Consciousness. While we live this way, ignoring and suppressing our feelings we will continue to stagnate, engage in wars, incur discomfort, pain, illness and disease, suffering a life of living in a physical hell – we cannot evolve any further than what you see around you now every day.

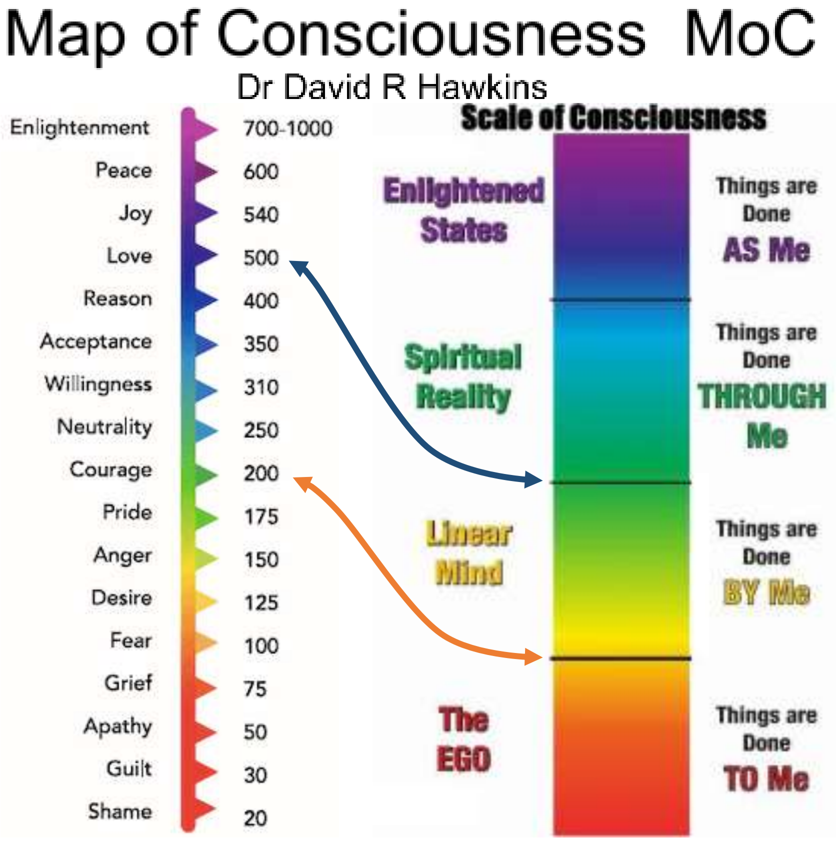
All institutionalised systems are to be dismantled and through every aspect of life and living we are to consider our feelings which are always in truth. Living Feelings First and having our minds to follow in support of implementing what our feelings are prompting us to embrace will not only see people growing in truth and love, but also advancing beyond 500 MoC. Living feelings orientated has no limit to what we can achieve. Living in a Celestial soul condition state while being here in the physical on Earth is now possible for those who not only live feelings first, but embrace Feeling Healing and our Heavenly Mother and Father's Divine Love. Such a condition of living has now been achieved here on Earth for the first time in the total history of Earth's humanity, being of about 993,500 years.

These psychic barriers of submissiveness and living mind centric can only be put aside by introducing an open and free universal feelings orientated education system at all levels for all societies. This will slowly resolve all social issues and conflicts and bring about living a life of simplicity and truth worldwide.

Psychic Barriers

Barriers to our growth and development are the customs and norms passed down through the generations by our families and heritage. We each are infused with the errors of belief and emotional injuries of our parents and carers, thus, generation after generation calibrate on Dr Hawkins' Map of Consciousness at the same levels as one of our parents, should they calibrate differently.

Thus, until we step away from living like our parents, which is living mind-centric, no evolutionary growth is likely to unfold for societies around the world.


Map of Consciousness MoC
Dr David R Hawkins
Scale of Consciousness
Enlightenment 700-1000
Peace 600
Joy 540
Love 500
Reason 400
Acceptance 350
Willingness 310
Neutrality 250
Courage 200
Pride 175
Anger 150
Desire 125
Fear 100
Grief 75
Apathy 50
Guilt 30
Shame 20
Enlightened States
Spiritual Reality
Linear Mind
The EGO
Things are Done AS Me
Things are Done THROUGH Me
Things are Done BY Me
Things are Done TO Me

'To put lower consciousness levels into context, it is helpful to know that,

'Submissiveness'

according to consciousness research: **78%**, if not **85%,** of the people on the planet calibrate below 200 on the Map of Consciousness, and 56% of the United States calibrates below 200 on the Map.'

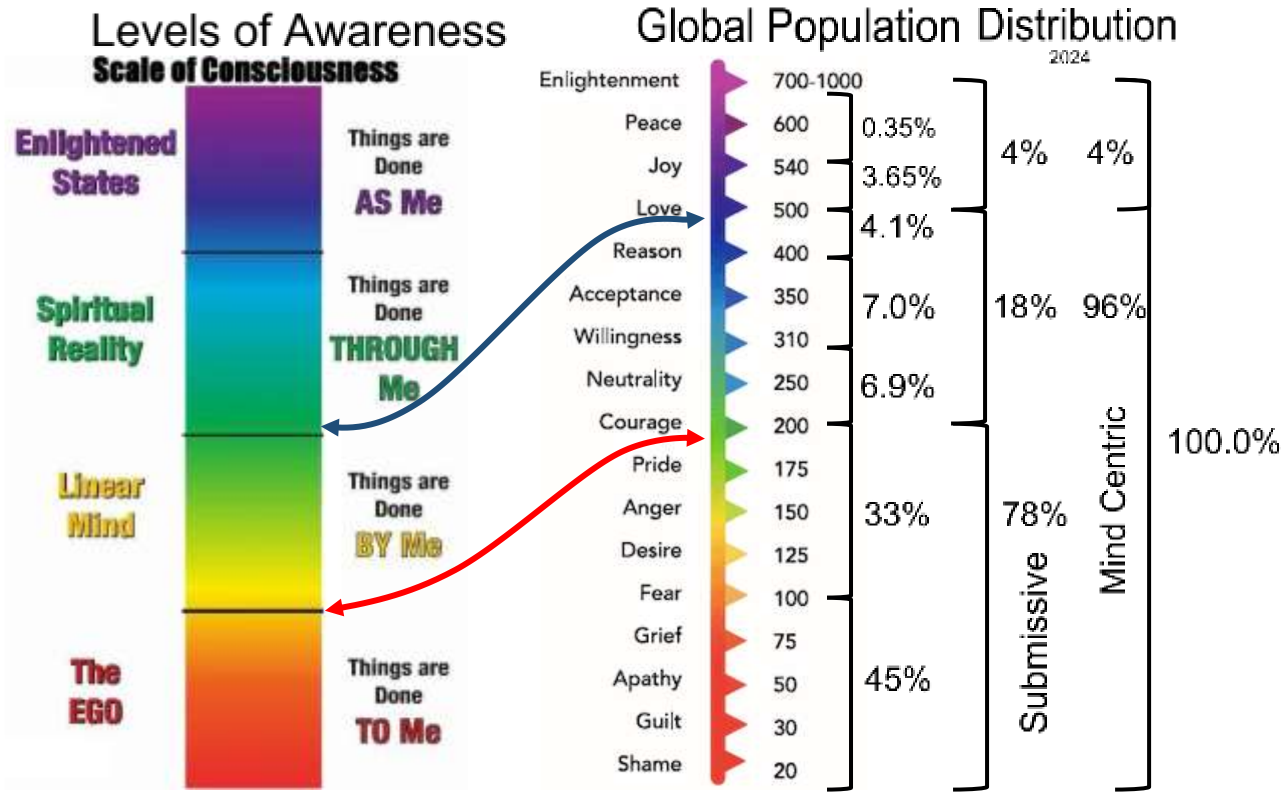
'Things are done TO Me' – that is those calibrating under **200 MoC** who submit to their environment and will of those imposing upon them. They are submissive to control and easily capitulate to coercive dominance without resistance. They readily capitulate to untruth and error, thus suffering greatly.

'Mind – Centricity'

200,000 years ago we were submissive to the control of high level personalities who induced us to believe we could become mini-gods by believing that our minds could take us to those levels. Women are closer to their feelings and consequently males had to dominate and suppress women. Living mind-centric prevents us progressing beyond 499 MoC. Living mind-centric, **Things are done BY Me**'. This glass ceiling can only be bridged by us embracing our feelings and living feelings first. Then through Feeling Healing and by embracing our Heavenly Mother and Father's Divine Love we can progress to Celestial Soul Condition while living here on Earth, which is beyond this Map of Consciousness scale.

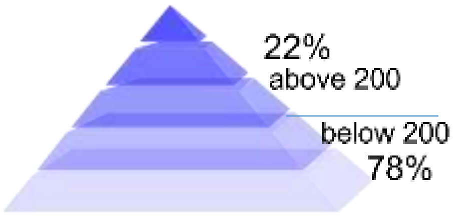
Thus, these two distinct psychic barriers outline the cause of social issues and difficulties throughout societies and populations. The worldwide education systems actually prevent any consciousness growth and evolutionary progress. Only open and free universal feelings orientated education can erode these psychic barriers and bring about the freedom and progress that we all long for.

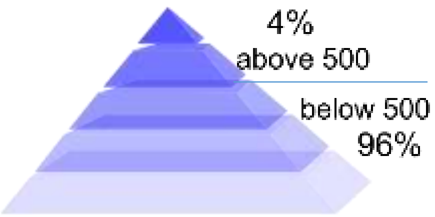
Map of Consciousness MoC

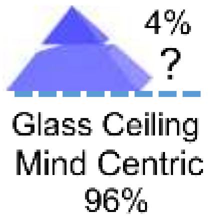


Note:
The Map of Consciousness (MoC) table is based on the common log of 10. It is not a numeric table.
A calibration increase of 1 point is in fact a 10 fold increase in energy.
A calibration increase of 10 points is in fact a 10,000,000,000 fold increase in energy.
Thus the energy differentials are in fact enormous!

The collective power of those above consciousness level of 200 has the weight to counterbalance the negativity of those below 200 of the world's population – and also to raise the overall consciousness calibration of humanity! 'Power vs Force' Dr David R Hawkins P.234	
One individual at level 700 MoC counterbalances	70 million individuals below level 200
One individual at level 600 MoC counterbalances	10 million individuals below level 200
One individual at level 500 MoC counterbalances	750,000 individuals below level 200
One individual at level 400 MoC counterbalances	400,000 individuals below level 200
One individual at level 300 MoC counterbalances	90,000 individuals below level 200



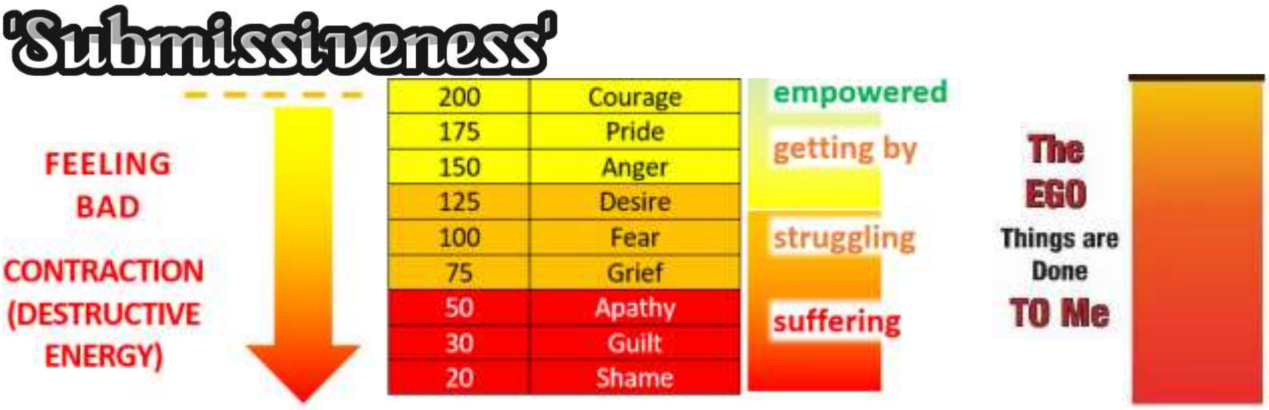




Until humanity begins to embrace their feelings, that is, accept and follow their feelings having their minds to follow in implementing what our feelings are prompting us to consider, then the malaise, the status quo of a hellish existence, will continue. We cannot bridge the glass ceiling of MoC 499 while living mind-centric. Universal, open and free, feelings orientated education worldwide is to be made available to bring about the awareness of living feelings first so that those who embrace can put aside the psychic barriers, the norms of generations gone by, and grow in truth and love thus lifting humanity out of the rebellion and default conditions that have prevailed for 200,000 years.

'Submissiveness'

Things are done to me – submissiveness. **Submissiveness** refers to the **trait of being willing to yield to the will of another person or a superior force**. It is characterised by tendencies to obey or be obedient, often in a humble or unresisting manner. This may empower those whose addiction to control is suppression of others.



200	Courage
175	Pride
150	Anger
125	Desire
100	Fear
75	Grief
50	Apathy
30	Guilt
20	Shame

Map of Consciousness illustration based on the model created by Dr David R Hawkins

Raising our level of consciousness requires constant commitment. Especially on the lower levels, great effort is required to progress from one level to the next. And below courage, help from others is most often necessary.

While it can seem difficult to progress on the Map of Consciousness (MoC) the effort is always worthwhile.

The progression from one level to another can radically change and improve your entire life. All your worries and anxieties from the previous level will seem comical.

Sometimes you temporarily experience a higher level of consciousness and this is a good indicator of where you must go next. Moreover, these moments of clarity can keep us on track and committed to the process.

But be aware a lower level might cloud the memory of a higher level.

The most important thing each of us can do in life is to raise our individual level of consciousness. When we raise our own level, we do not only spread this level to those around us but also the whole world. And you might even be the catalyst for another person's progression to a higher level. Even one drop raises the level of the sea.

Furthermore, when every one of us is working to raise our individual level of consciousness the progression from one level to another will require less effort and be much faster for everyone.

Just imagine how incredibly different the world would be if everyone were at the level of acceptance. According to Hawkins, 78% of the people on Earth are still below courage.

NATIONS with populations calibrating around MoC 100

The psychic barriers to consciousness growth is their traditional adherence to family norms, customs and traditions.

Even though the populations may have embraced Christianity and/or Islam to a large extent, it is mainly a façade with traditions being mainly adhered to. The people may profess to be Christian or Muslim and practice these ways of living, however the practices of generations before prevail in their living.

Consequently the overarching way of living is survivalism with little economic development throughout the nation, poverty, homelessness and deprivation prevail. Infrastructure is in disrepair, there is inadequate health services prevailing, food supply is insecure, and potable water scarce amongst all services. The national psychic barriers of traditions that have prevailed for thousands of years remain entrenched.

NATIONS with populations calibrating around MoC 200

These are nations where Christianity and/or Islam have been successful in circumventing the imposts of traditions, norms and customs of the people that prevailed more than 2,000 years ago.

From the table above, it is seen that incomes are becoming more than just survival levels and that the embryo of economic prosperity is on the horizon.

This is where the introduction of these two ways of living has contributed to a shift in consciousness, however as they are both mind-centric ways of living and controlling of their congregations, little further progress is actually unfolding for the people.

Indigenous groups can be found reflecting this progression and until THEY grasp their predicament, no amount of money is going to close the gap between their standard of living and those who have prospered through strivings to grow in truth, knowledge and wisdom through education.

NATIONS with populations calibrating above MoC 300

Open and free feelings orientated education for all has led to economic prosperity that has enabled robust infrastructure, food security, safe and secure housing, sanitation and potable water that is universal throughout nations.

Open and free education means that there is no governmental control that is suppressive, religious freedom without any domination, free in cost to students, education is free from pre-school all the way through to all ages in all the forms for people to follow their passions and expressions of personality.

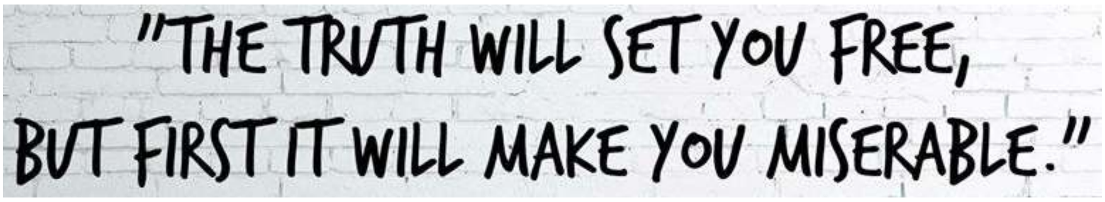
Presently education worldwide is mind-centric and dominated by the lecturer at the front of the room. We learn by doing and that includes tutoring others. We learn more effectively by tutoring others and expressing our feelings. Living feelings first is a spontaneous intuitive way of expression and living.

NATIONS with populations calibrating above MoC 500

There are none!

The ceiling of consciousness growth is MoC 499 when mind-centricity is the way of living. Aspiring to and then Living Feelings First opens our potential to infinity. It is the way of living that we will ALL progress to – eventually!

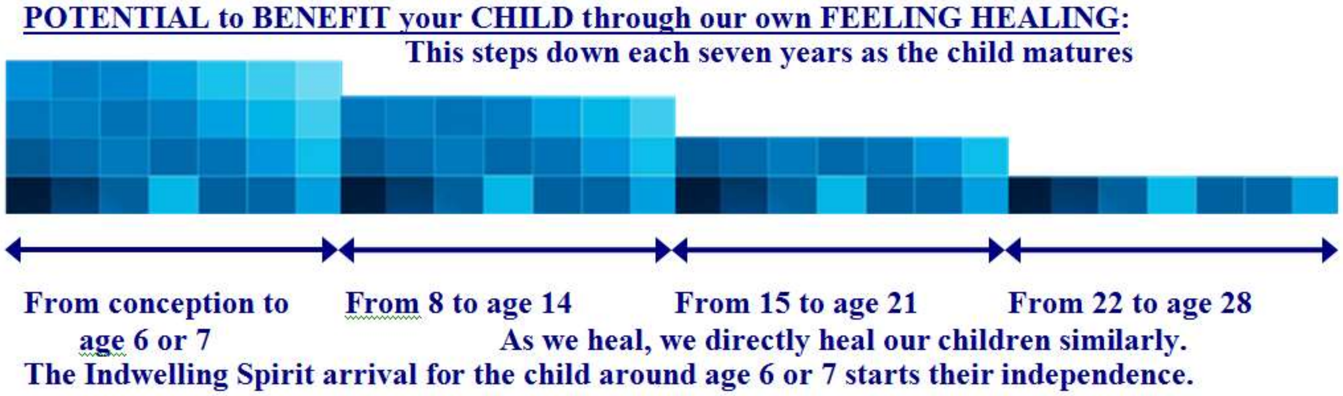
Psychic Barriers are Errors within Held Beliefs



"THE TRUTH WILL SET YOU FREE,
BUT FIRST IT WILL MAKE YOU MISERABLE."

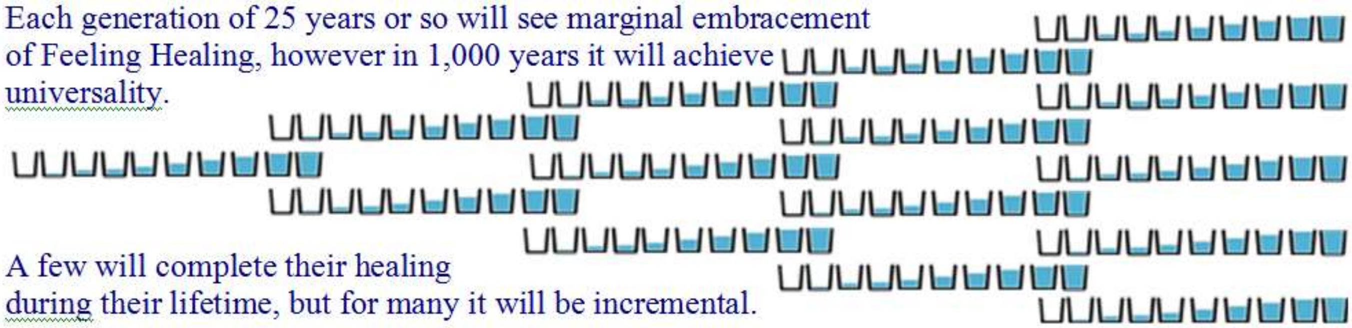
What hurts is the error leaving you! Psychic barriers are errors of perceived truth that can be personal, family orientated, community held, regional and even national – as these are each addressed the dislodgment and exiting of held untruth will incur discomfort as recognition of those adopted injurious beliefs and erroneous traditions will be confrontational and disturbing. When we recognise what we have held as true is actually false is a distressful experience. We each have much to express and let go of.

As we allow our feelings to arise and then long for, ask for and seek to know what is the truth behind that which our feelings are drawing our attention to, we are to express emotionally to a companion. What has entered each of us emotionally is to be talked out of us emotionally. Sounds simply, it is not. It will take a long time, but we are to do so.



POTENTIAL to BENEFIT your CHILD through our own FEELING HEALING:
This steps down each seven years as the child matures

As we heal, we directly heal our children similarly.
The Indwelling Spirit arrival for the child around age 6 or 7 starts their independence.



Each generation of 25 years or so will see marginal embracement of Feeling Healing, however in 1,000 years it will achieve universality.

A few will complete their healing during their lifetime, but for many it will be incremental.

Psychic barriers are also emotional injuries experienced that are carried down through the generations. Thus we each have much to resolve, as well as the community and nation that we live within.

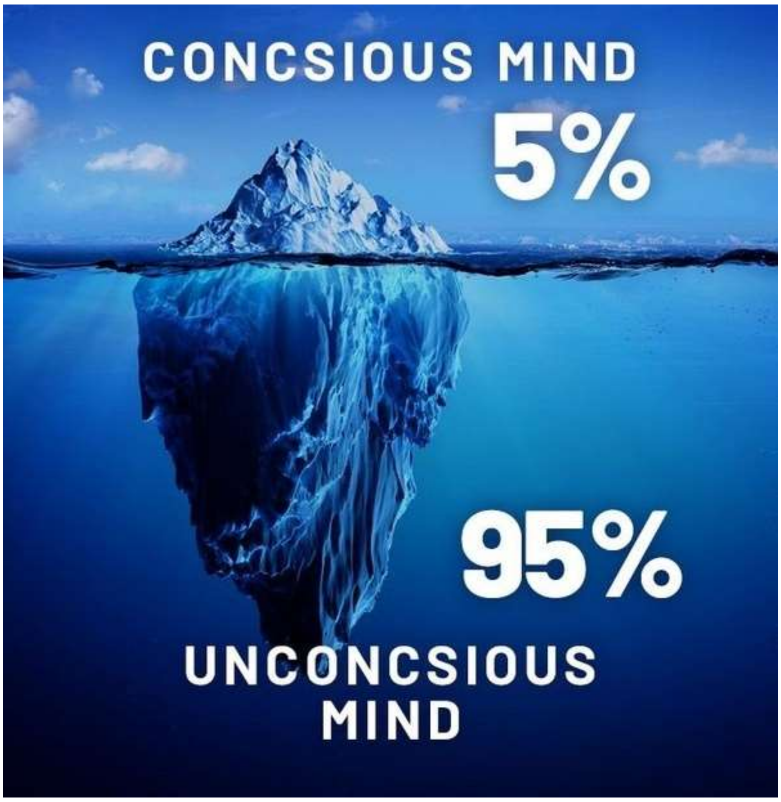
However, it is only now in the 2020s that we are becoming to understand that Childhood Suppression and our ongoing Repression is the underlying foundation of all our life's difficulties, and collectively, the issues that confound our nation and also worldwide.

We learn by doing! Speed reading does not open us up to the layers of learning throughout profound writings. Revelations of truth require multiple slow readings as their truths only reveal themselves as we absorb and experience what they are to reveal.

We learn by doing! Artificial intelligence platforms adopted are the end of possible growth in truth and love as such platforms lack any of the sensitivities that are required to be embraced and lived.

What are the potential effects of AI on personal autonomy and decision-making processes?

https://www.quora.com/ 15 June 2023

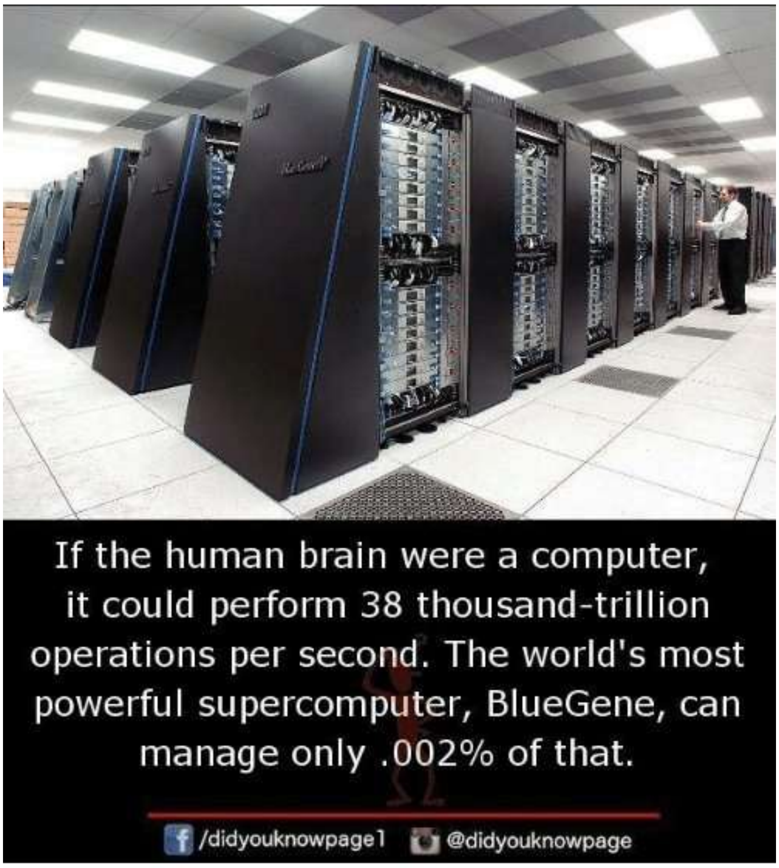

CONCSIOUS MIND
5%
95%
UNCONCSIOUS MIND

Humanity's capitulation and dependence upon technology is depriving it of its needed life experiences, subjecting itself to being cloned – everyone uniformly being programmed to become the lowest denominator of personality – zombiism and stupefied without intuition and spontaneity! Life is all about experiences and doing. We learn by doing. It is then about expressing our feelings about what we are experiencing AND longing for the truth of what we are feeling! Life is one continuous journey of LEARNING.

NO **artificial intelligence** can substitute for our personal involvement and doing.

Simple is what Life is meant to be!

Become engaged and embrace every opportunity.


If the human brain were a computer, it could perform 38 thousand-trillion operations per second. The world's most powerful supercomputer, BlueGene, can manage only .002% of that.
/didyouknowpage1
@didyouknowpage

The difficulty with **Artificial Intelligence** in any sort of movie is how do we put our feelings into a computer, into a mind system, when feelings are not of that sort of mind, they are of a different mind, and one we'll never be able to replicate using mind machines. And then we don't understand that even if we could upload or create a super-mind, it's a mind based on our mind, which is a rebellious mind. At least we could try and create a Celestial mind, but that's not going to happen.

A movie can help us see that everyone on Earth is so heavily involved with their minds, and that then all the mind spirits are trying to be the god of their own mind, taking themselves away from our true God of Feelings, Truth and Mind, they wanting to become only Mind devoid of feelings, or a mind that controls feelings to such a degree that we only feel good blissful feelings so we can go on living in a mind-god nirvana blissful state. All pretty sad really, when we wake up to how fucked we are, and how far we're living away from ourselves, the truth our feelings would like to show us.

Artificial Intelligence cannot discern emotions, and consequently cannot reflect emotions.

Artificial Intelligence also cannot be intuitive, it lacks intuition, trust, foresight, and empathy. It also does not have clairvoyance, clairaudience, clairsentience, clair-empathy, and clair-cognizance.

Artificial Intelligence can only be as 'intelligent' as its source data!

A humanity that surrenders their learning opportunities to Artificial Intelligence jeopardises their very existence. Artificial Intelligence brings about the circumstances that threatens the possibilities of Truth emergence within societies.

LEARNING BY DOING
01
Adobe Stock

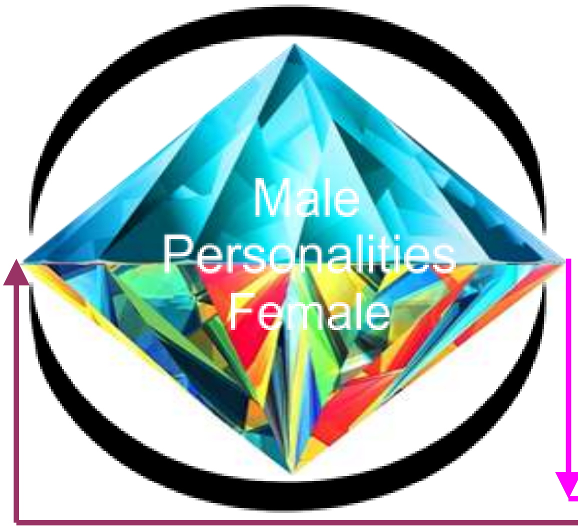
Childhood Suppression

The soul does it all. The soul is a duplex, two personalities being manifested into the physical by our soul.

Soul light continually flows from the soul through our spirit body levels and into our physical.

Return light being the experiences of our physical existence.

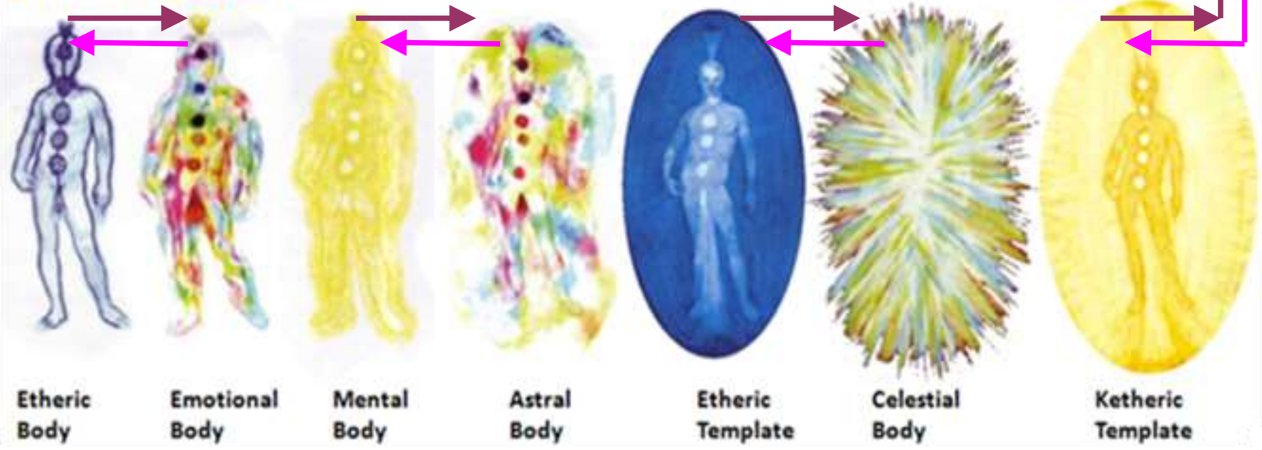
SOUL


Male
Personalities
Female

Childhood suppression imposed upon us by our parents and carers causes retarded light to return to our soul bringing about imbalance, reflecting emotional injuries and errors of belief. This imbalance is the cause of all our difficulties throughout our adult life and also all of our health issues.

SPIRIT BODY

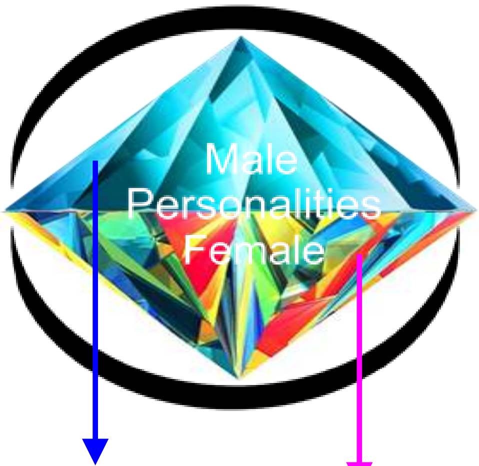
Brennan Model of the 7 Levels of the Human Energy Field

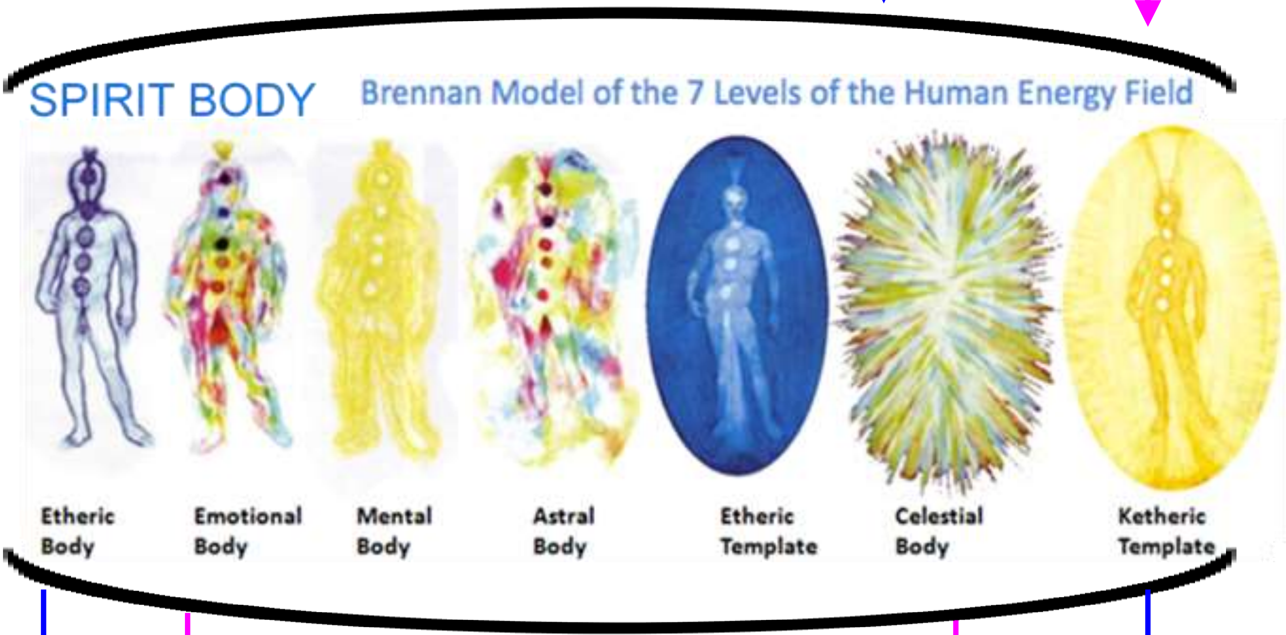

Etheric Body
Emotional Body
Mental Body
Astral Body
Etheric Template
Celestial Body
Ketheric Template

Every experience is recorded through the light returning through our spirit body and back to our soul. What emotional injuries we experience, commencing from conception, has to be expressed emotionally to heal the imbalance in soul light so that harmony and health can be achieved in our spirit and physical bodies. Childhood Suppression is the underlying cause of disease, illness, etc.

Childhood Suppression

Childhood Suppression – from conception to age six years – harmfully encrusts the soul, thus impeding light flow throughout all seven layers of the spirit body, damaging the genes within the spirit body which in turn damages the genes in the physical body, as well as setting the pattern for all of our physical health issues throughout our lives.


Male
Personalities
Female


SPIRIT BODY
Brennan Model of the 7 Levels of the Human Energy Field
Etheric Body
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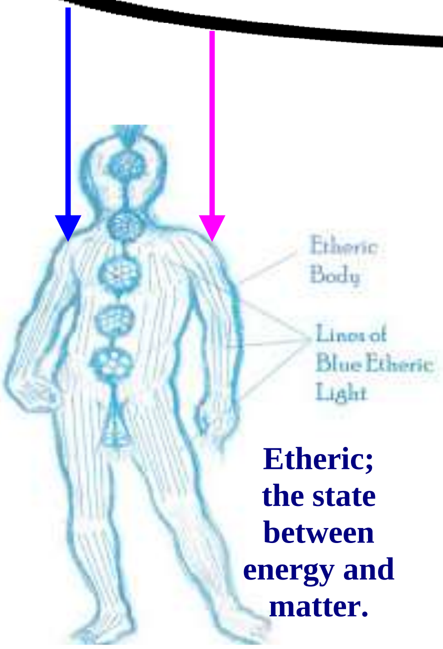
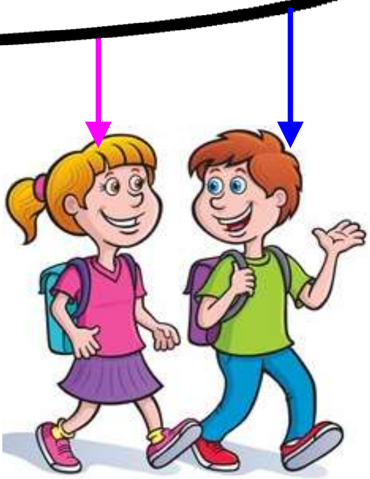
Ketheric Template


Etheric Body
Lines of Blue Etheric Light

Etheric; the state between energy and matter.

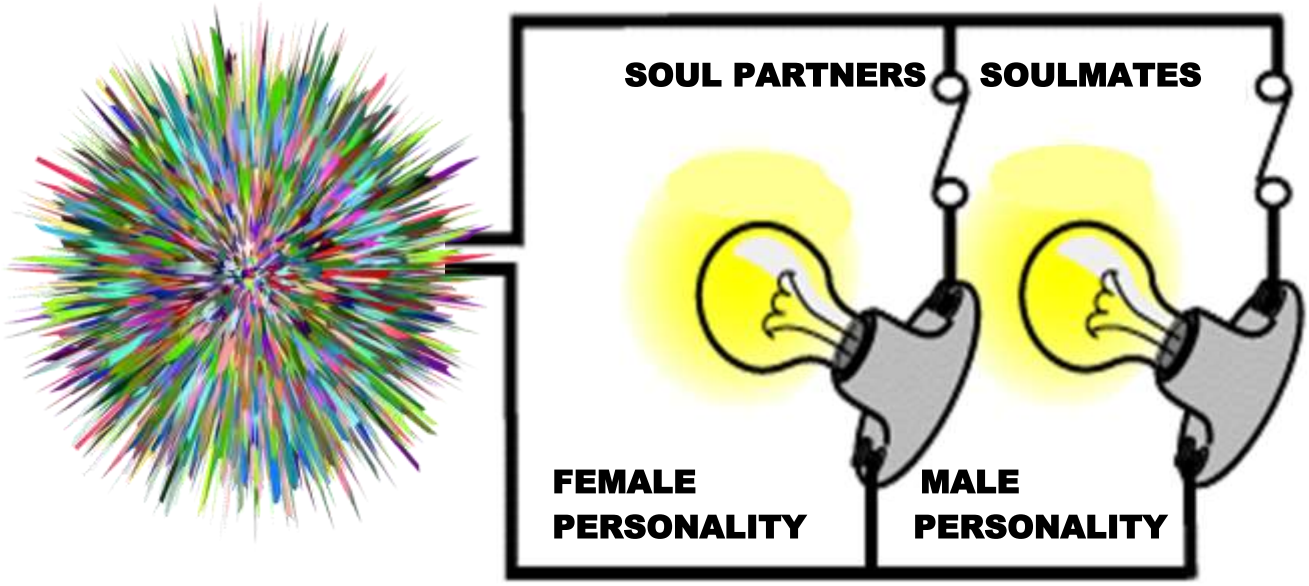
The spirit etheric body is the template for our physical body, however, no health care system or science considers that the underlying cause of any health issues are formed through our Childhood Repression and that no physical healing occurs without expressing our childhood suppressions, being feelings both good and bad and then longing for the truth behind these injuries. Medicine may suppress the pain – it does not and cannot cure – vaccines are extreme physical suppressions!



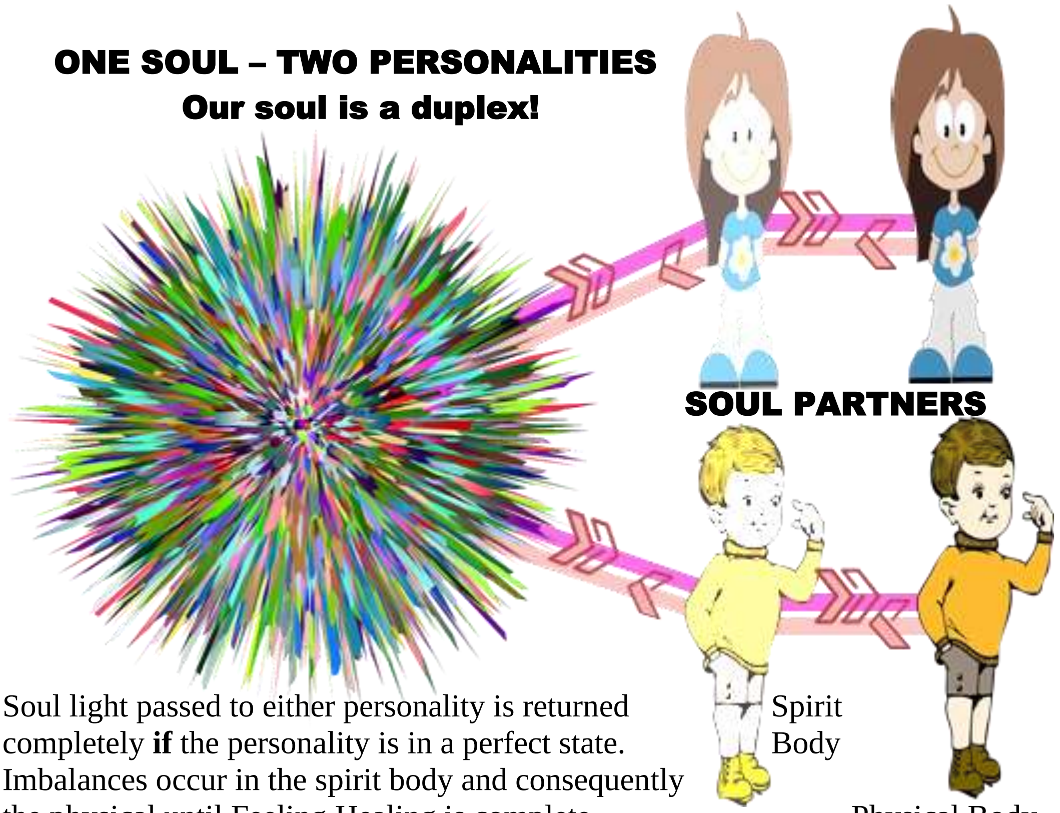
The pain from ANY illness will not exceed the pain experienced during our Childhood Suppression!

SOUL LIGHT emitted is to be BALANCED by the LIGHT RETURNED!

Two separate personalities on parallel 'circuits' having the same soul. What impacts one personality does not impact the other personality.

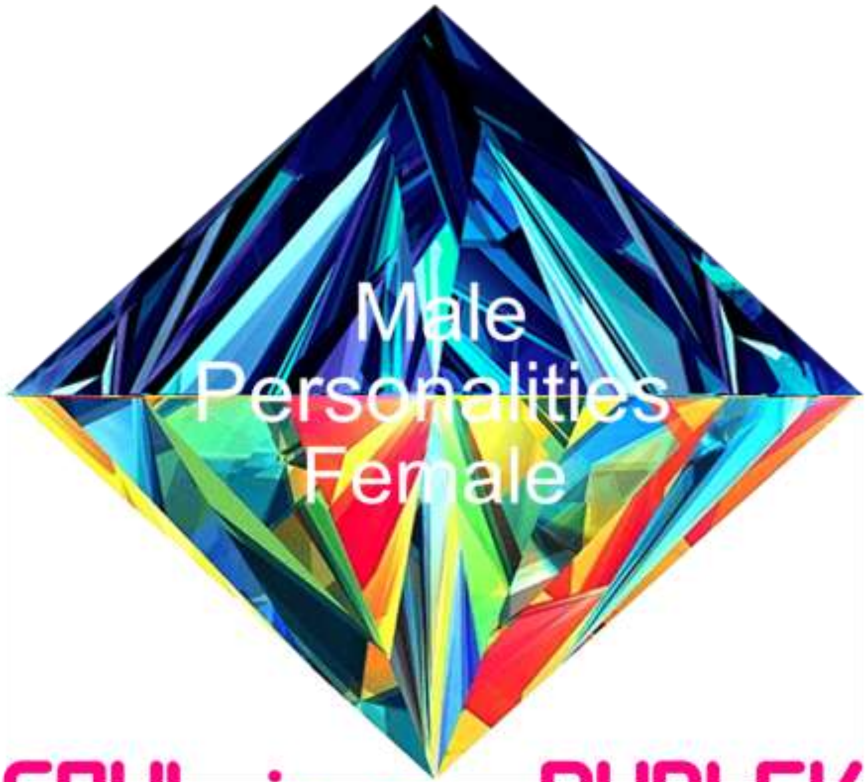

SOUL PARTNERS
SOULMATES
FEMALE PERSONALITY
MALE PERSONALITY

ONE SOUL – TWO PERSONALITIES
Our soul is a duplex!


SOUL PARTNERS
Spirit Body
Physical Body

Soul light passed to either personality is returned completely **if** the personality is in a perfect state. Imbalances occur in the spirit body and consequently the physical until Feeling Healing is complete.

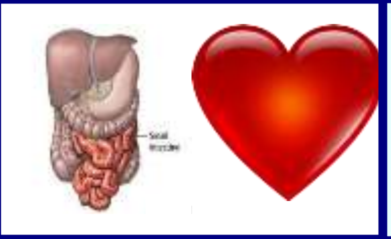
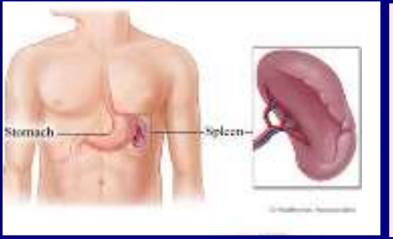
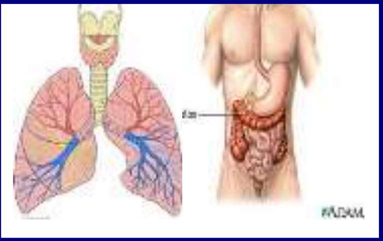
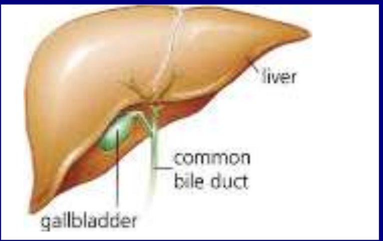
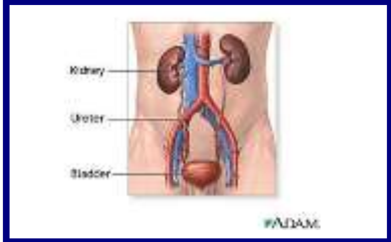
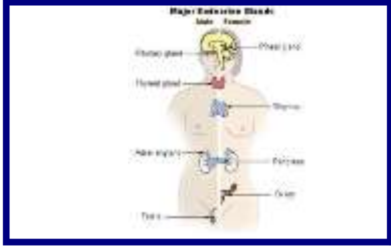
The mind is to be of service! The mind is designed to Follow, to be of service to the truth, of service to the heart, and your Feelings!


Male
Personalities
Female

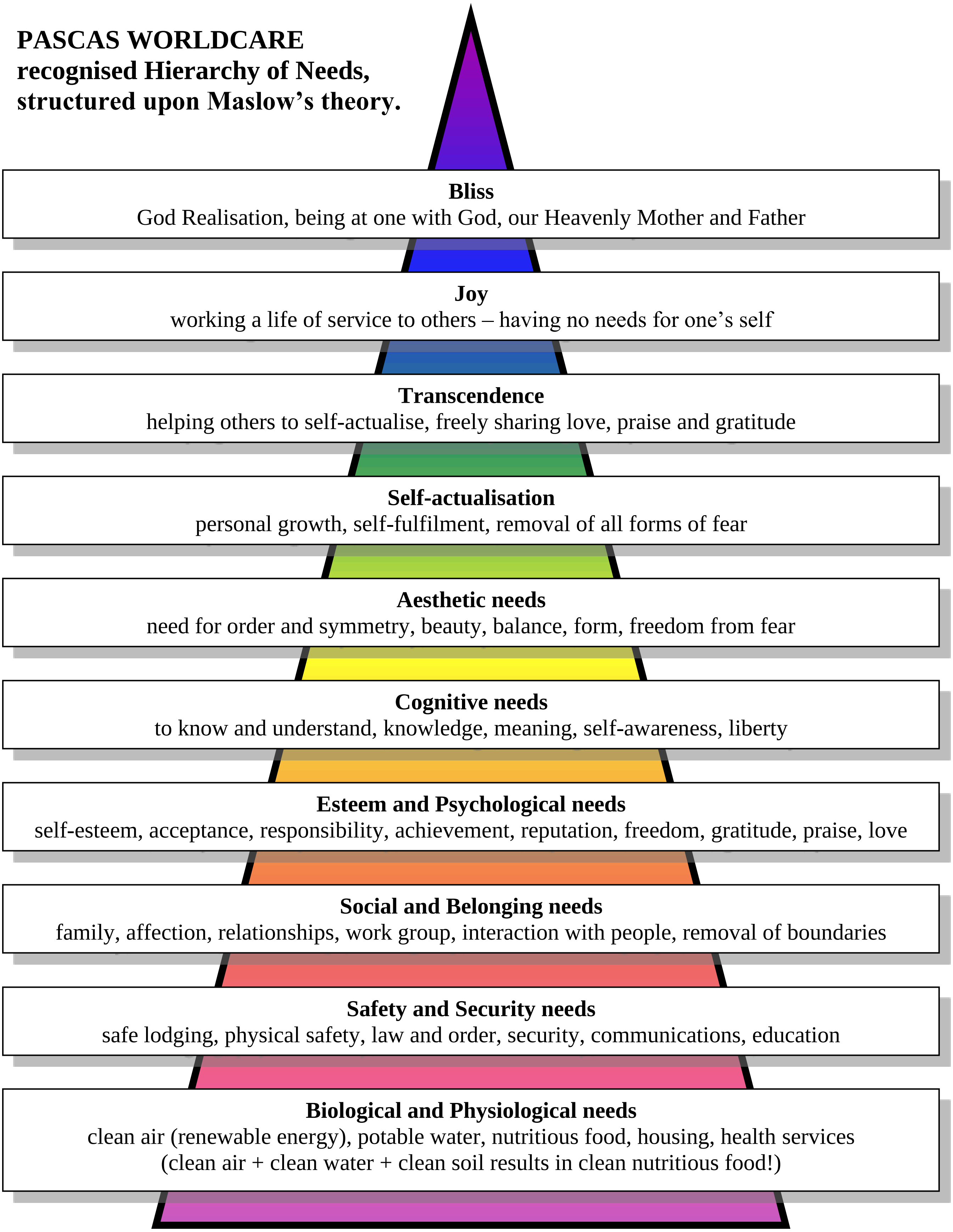
SOUL is a DUPLEX

Seek balance of TRUTH and MIND!

EMOTIONS affect SPECIFIC ORGANS:
Emotional injuries and held errors have specific energy signatures and vibrations. So does each part of our physical body. Errors held within one's mind affect the flow of energies through one's spirit body, the spirit body is the template of the physical body. The resulting energy flow constrictions then initiate issues, and then pain, and then illnesses within the physical body.

Organs	EMOTION CODE ™ CHART		
		Column A	**Column B**
	**Row 1** Heart or Small Intestine	Abandonment Betrayal Forlorn Lost Love Un-received	Effort Un-received Heartache Insecurity Over joy Vulnerability
	**Row 2** Spleen or Stomach	Anxiety Despair Disgust Nervousness Worry	Failure Helplessness Hopelessness Lack of Control Low Self-Esteem
	**Row 3** Lung or Colon	Crying Discouragement Rejection Sadness Sorrow	Confusion Defensiveness Grief Self-Abuse Stubbornness
	**Row 4** Liver or Gall Bladder	Anger Bitterness Guilt Hatred Resentment	Depression Frustration Indecisiveness Panic Taken for Granted
	**Row 5** Kidneys or Bladder	Blaming Dread Fear Horror Peeved	Conflict Creative Insecurity Terror Unsupported Wishy Washy
	**Row 6** Glands & Sexual Organs	Humiliation Jealousy Longing Lust Overwhelm	Pride Shame Shock Unworthy Worthless

PASCAS WORLDCARE recognised Hierarchy of Needs, structured upon Maslow's theory.



Bliss
God Realisation, being at one with God, our Heavenly Mother and Father

Joy
working a life of service to others – having no needs for one's self

Transcendence
helping others to self-actualise, freely sharing love, praise and gratitude

Self-actualisation
personal growth, self-fulfilment, removal of all forms of fear

Aesthetic needs
need for order and symmetry, beauty, balance, form, freedom from fear

Cognitive needs
to know and understand, knowledge, meaning, self-awareness, liberty

Esteem and Psychological needs
self-esteem, acceptance, responsibility, achievement, reputation, freedom, gratitude, praise, love

Social and Belonging needs
family, affection, relationships, work group, interaction with people, removal of boundaries

Safety and Security needs
safe lodging, physical safety, law and order, security, communications, education

Biological and Physiological needs
clean air (renewable energy), potable water, nutritious food, housing, health services
(clean air + clean water + clean soil results in clean nutritious food!)

RESPICE FINEM
Southport State High
Lionel Ave
Q
Enterprise Centre
Sports Centre
Synergy
I
Nexus
Creative Arts Theatre
Discovery Centre
Marine Study
Bottom Oval
B
B
Pool
L
J
H
R
B
Brooke Ave
E
K
F
G
Cultivate
Learning Hub
Admin
M
Top Oval
Smith Street
Buildings
Covered Walkways
Footpaths
Roads
Fire Evac Point
Bus Stop

Southport State School Gold Coast, Queensland, Australia

RESPICE FINEM Southport State High

Student enrolments by year level

Year Level	August 2022	MoC	MoC % 200 or less	MoC % 100 or less	
Year 7	363	425	70%	17%	
Year 8	347	415	70%	17%	
Year 9	386	390	65%	20%	
Year 10	298	400	70%	20%	
Year 11	310	400	68%	19%	
Year 12	268	385	60%	19%	
TOTAL	1,972	405	65%	20%	

Average Class sizes

Year Levels	2022
Year 7 – Year 10	23
Year 11 – Year 12	18

Note: The consciousness level of a child, as calibrated in accordance with Dr David Hawkins' Map of Consciousness (MoC), being the child's level of truth, is a mirror of one or the other of the child's parents own level of truth. From the moment of conception, we, as parents, infuse our children with all of our emotional injuries and errors of belief, so much so that by the time our children are six years of age, they then calibrate on the Map of Consciousness at our parents level. Hence, we impose upon our children our own life experience for then to go on and live.

Labrador State School

Queensland state school reporting 2022

Gordon Street, Labrador 4215, Gold Coast, Queensland, Australia

Student enrolments by year level

	August 2022	MoC	MoC % 200 or less	MoC % 100 or less	
Prep Year	91	425	60%	7%	
Year 1	92	405	70%	15%	
Year 2	100	385	60%	14%	
Year 3	92	380	65%	21%	
Year 4	117	390	73%	21%	
Year 5	102	400	70%	15%	
Year 6	126	405	74%	19%	
TOTAL	720	405	69%	17%	

Average Class sizes

Year Levels	2022
Prep – Year 3	22
Year 4 – Year 6	25

St Kevin's School – Catholic
Benowa, Gold Coast, Queensland, Australia

Student enrolments by year level

	August 2022	MoC	MoC % 200 or less	MoC % 100 or less	
Prep Year	70	420	60%	10%	
Year 1	71	415	64%	10%	
Year 2	49	395	61%	14%	
Year 3	70	400	65%	17%	
Year 4	54	410	70%	22%	
Year 5	49	395	72%	24%	
Year 6	61	385	69%	26%	
TOTAL	424	394	70%	20%	

HILLCREST CHRISTIAN COLLEGE

THE CASTLE
PREP DECK
CHOCOLATE DRIVE
HILLCREST
CHRISTIAN COLLEGE
Excellence in Christ

Hillcrest Christian College is an independent Christian school located in Reedy Creek, Gold Coast, Queensland, Australia.

Student enrolments by year level

Year Level	August 2025	MoC	MoC % 200 or less	MoC % 100 or less	
Prep Year	100	435	30	6	
Year 1	125	425	35	10	
Year 2	125	410	40	12	
Year 3	125	410	45	14	
Year 4	125	410	50	18	
Year 5	125	405	55	18	
Year 6	125	400	55	18	
Year 7	125	400	55	19	
Year 8	125	405	60	20	
Year 9	125	395	55	21	
Year 10	125	390	60	21	
Year 11	125	395	60	21	
Year 12	125	400	60	22	
TOTAL	1,600	404	55%	18%	

Average Class sizes

Year Levels ?	2025
Prep Year	25
Year 1 – Year 4	24
Year 5 – Year 8	23
Year 9 – Year 12	18

There you have it: Within the affluence of the Gold Coast with its 40 kilometres of golden beaches and wonderful hinterland, school children in various years and educational platforms reflect that their parents' Map of Consciousness (MoC) calibration dominates the students' calibrations. Around 65% calibrate MoC 200 or less and 20% calibrate MoC 100 or less. The tables below indicate how their life is likely to reflect and unfold. These tables sums up their life expectations:

Correlation of Levels of Consciousness – Soul Condition – and Society Problems
Truth vs Falsehood by Dr David R Hawkins 2005

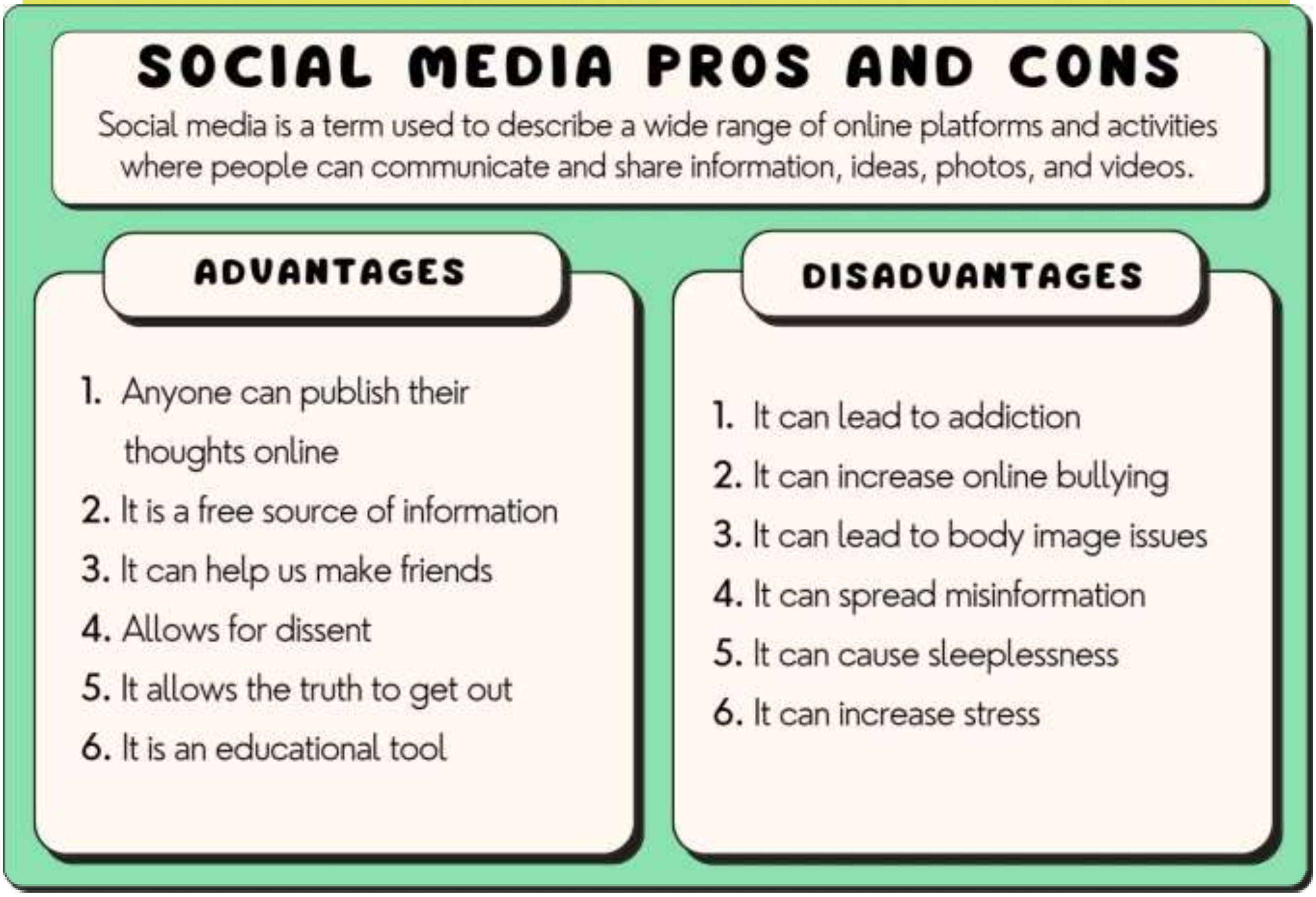
Level of Consciousness	Rate of Unemployment	Rate of Poverty	Happiness Rate "Life is OK"	Rate of Criminality
600 +	0%	0.0%	100%	0.0%
500 - 600	0%	0.0%	98%	0.5%
400 - 500	2%	0.5%	79%	2.0%
300 - 400	7%	1.0%	70%	5.0%
200 - 300	8%	1.5%	60%	9.0%
100 - 200	50%	22.0%	15%	50.0%
50 - 100	75%	40.0%	2%	91.0%
< 50	95%	65.0%	0%	98.0%

WORLDWIDE relationship of MoC calibration with Life Experiences
Life Expectancy, Development, Happiness, Education, Income

MoC	No. of Countries+ Territories	Average MoC	Average Life Expectancy	Human Development Index	Happiness Index	Education Index	Per Capita Income 2021
400s	22	405	82.2	0.924	7.1	.890	US$63,032
300s	71	343	77.2	0.794	6.1	.741	US$30,154
200s	50	251	72.7	0.676	5.3	.610	US$16,560
High 100s	38	174	70.5	0.659	5.0	.600	US$12,516
Low 100s	21	119	67.1	0.587	4.6	.501	US$7,081
Below 100	14	74	65.3	0.565	4.4	.501	US$6,377
WORLD	216	220	73.3				US$17,110

Life expectancy, health of the physical body, quality of education, employment, income, happiness and development are all heavily negatively impacted through the low levels of measurable consciousness levels of carers of students within their homes.

ARTIFICIAL UNINTELLIGENCE



SOCIAL MEDIA PROS AND CONS

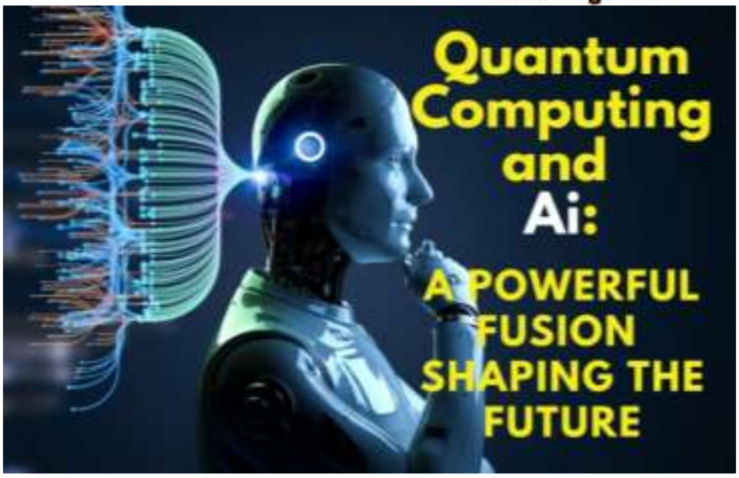
Social media is a term used to describe a wide range of online platforms and activities where people can communicate and share information, ideas, photos, and videos.

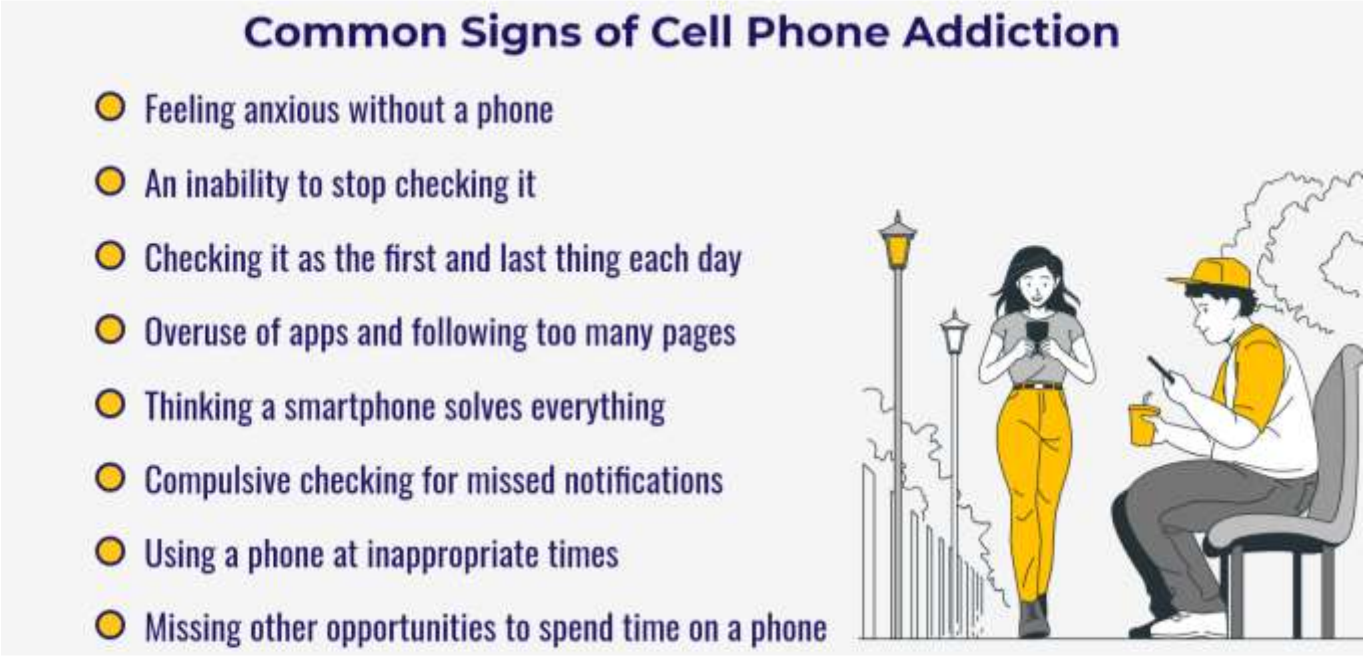
ADVANTAGES	DISADVANTAGES
1. Anyone can publish their thoughts online	1. It can lead to addiction
2. It is a free source of information	2. It can increase online bullying
3. It can help us make friends	3. It can lead to body image issues
4. Allows for dissent	4. It can spread misinformation
5. It allows the truth to get out	5. It can cause sleeplessness
6. It is an educational tool	6. It can increase stress

What do you remember from watching television yesterday?

television

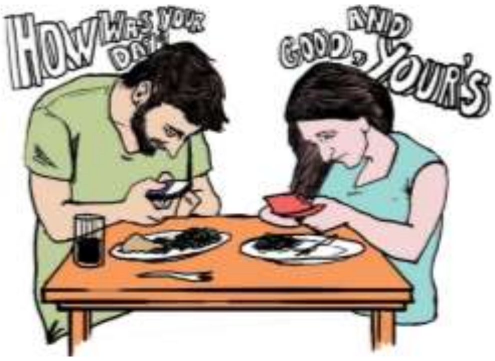
NEGATIVE
a)It takes a lot of time.
b)It is bad for your eyes.
c)You talk with your parents less.
d)Television can make us passive.
e)You don't have to think and your brains become lazy.
f)It encourages you to buy unnecessary things.
g)It takes away time from sports and reading.
h)It gives a false picture of society.
i)It makes some people violent.


Quantum Computing and Ai:
A POWERFUL FUSION SHAPING THE FUTURE



Common Signs of Cell Phone Addiction

- Feeling anxious without a phone
- An inability to stop checking it
- Checking it as the first and last thing each day
- Overuse of apps and following too many pages
- Thinking a smartphone solves everything
- Compulsive checking for missed notifications
- Using a phone at inappropriate times
- Missing other opportunities to spend time on a phone

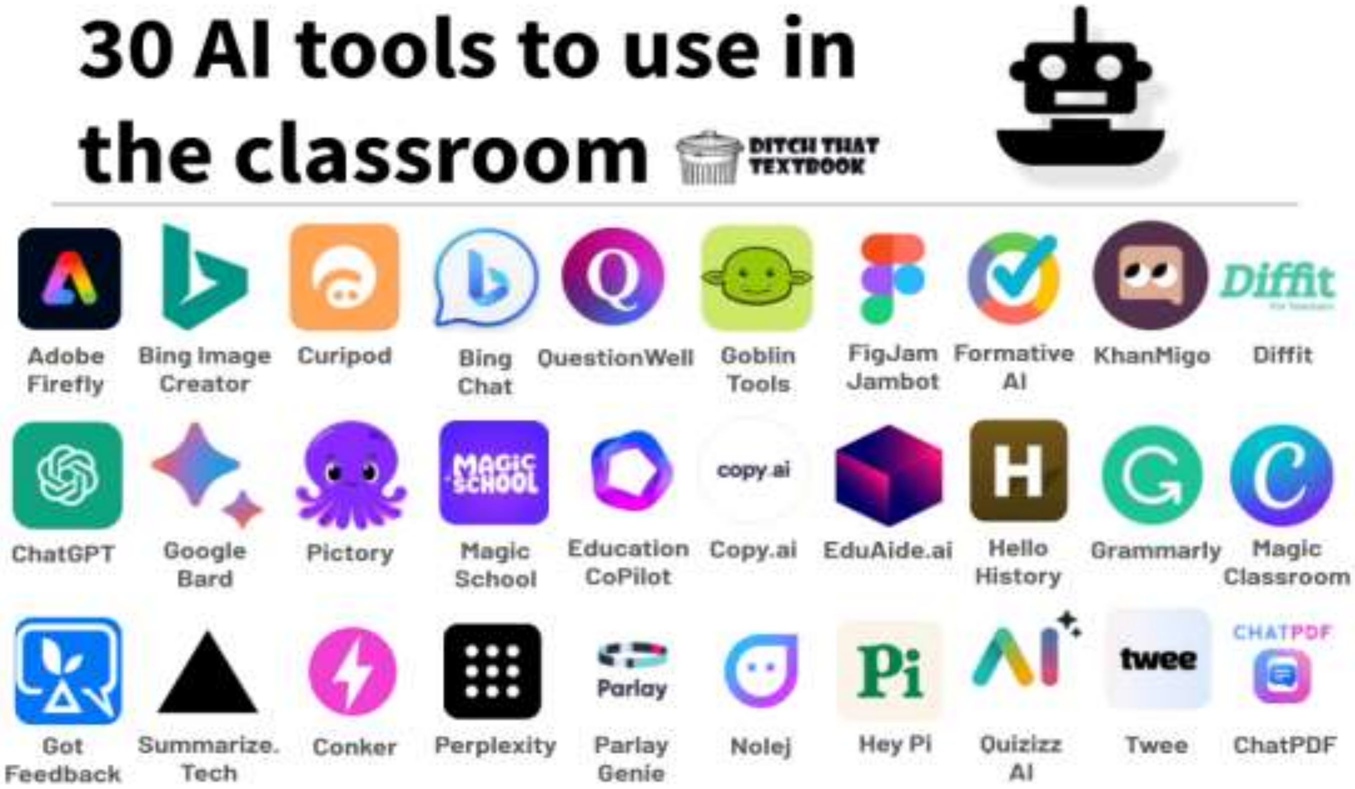

HOW WAS YOUR DAY
GOOD, AND YOUR'S

We Learn by Doing

All forms of Artificial Intelligence lead to the end of a civilisation – always.

We are not to submit to artificial intelligence. Already, in 2025, we observe worldwide, zombiism on scale unimaginable, insanity throughout leadership at all levels, and collapsing productivity. We are to learn by doing and submitting to forms of artificial intelligence is the ending of our pathway to growth at all levels.

Artificial Intelligence submission is the end of a civilisation!

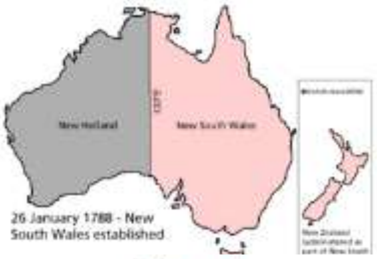

30 AI tools to use in
the classroom
DITCH THAT TEXTBOOK
Adobe Firefly
Bing Image Creator
Curipod
Bing Chat
QuestionWell
Goblin Tools
FigJam Jambot
Formative AI
KhanMigo
Diffit
ChatGPT
Google Bard
Pictory
Magic School
Education CoPilot
Copy.ai
EduAide.ai
Hello History
Grammarly
Magic Classroom
Got Feedback
Summarize. Tech
Conker
Perplexity
Parlay Genie
Nolej
Hey Pi
Quizizz AI
Twee
ChatPDF

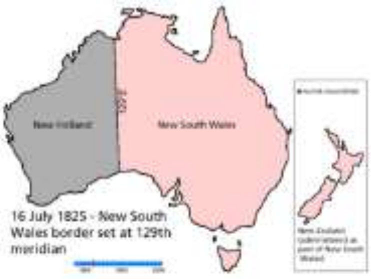
WE LEARN
BY
DOING

FORMATION OF AUSTRALIAN COLONIES & STATES. 1788 – 1989.

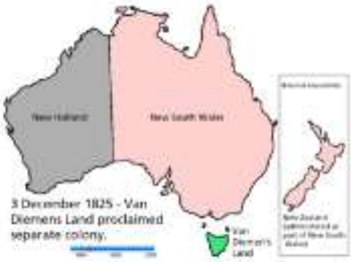
https://theriverinastate.com.au/2017/10/11/evolution-of-australian-states/

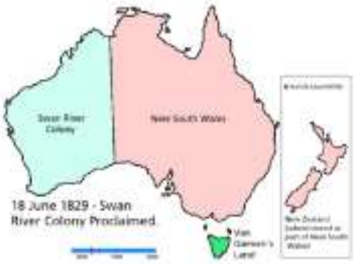
1788 New South Wales established.


New Holland
New South Wales
129°E
26 January 1788 - New South Wales established


New Holland
New South Wales
129°E
16 July 1825 - New South Wales border set at 129th meridian
New Zealand (administered as part of New South Wales)

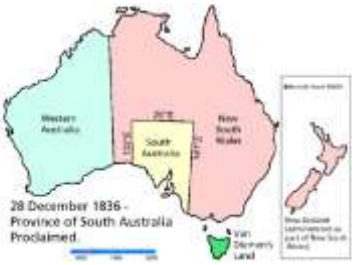
1825 Van Dieman's Land proclaimed a separate colony (Renamed Tasmania in 1856)

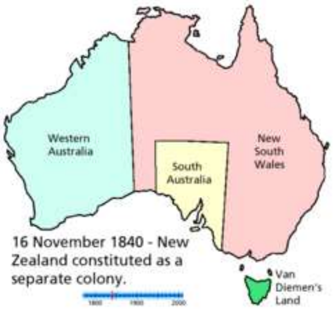

New Holland
New South Wales
3 December 1825 - Van Diemens Land proclaimed separate colony.
Van Diemen's Land
New Zealand (administered as part of New South Wales)


Swan River Colony
New South Wales
18 June 1829 - Swan River Colony Proclaimed
Van Diemen's Land
New Zealand (administered as part of New South Wales)

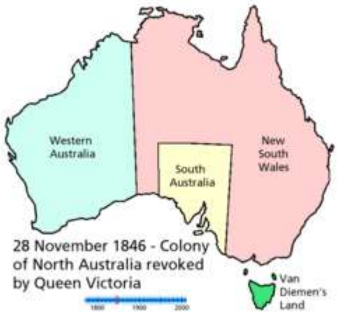
1829 Swan River Colony proclaimed (Renamed Western Australia in 1832)

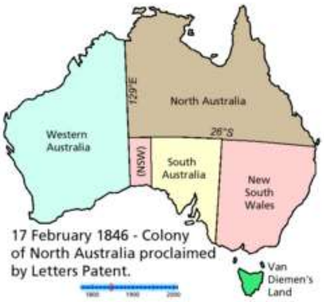
1836 Province of South Australia proclaimed.


Western Australia
South Australia
New South Wales
132°E
141°E
26°S
28 December 1836 - Province of South Australia Proclaimed
Van Diemen's Land
New Zealand (administered as part of New South Wales)


Western Australia
South Australia
New South Wales
16 November 1840 - New Zealand constituted as a separate colony.
Van Diemen's Land
1800
1900
2000

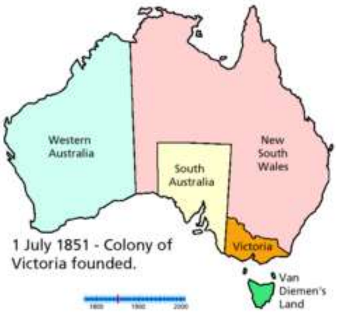
1840 New Zealand constituted as a separate colony.

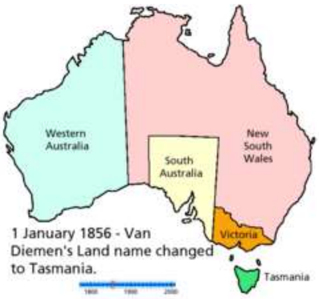

Western Australia
South Australia
New South Wales
28 November 1846 - Colony of North Australia revoked by Queen Victoria
Van Diemen's Land
1800
1900
2000

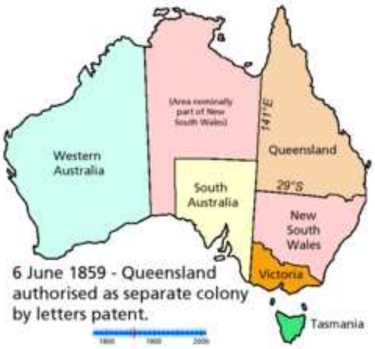

North Australia
Western Australia
129°E
26°S
(NSW)
South Australia
New South Wales
17 February 1846 - Colony of North Australia proclaimed by Letters Patent.
Van Diemen's Land
1800
1900
2000

1846 North Australian colony proclaimed. Revoked by Queen Victoria in the same year.

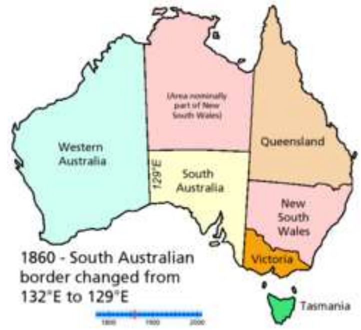
1851 Colony of Victoria founded.

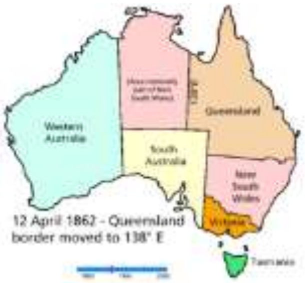

Western Australia
South Australia
New South Wales
Victoria
1 July 1851 - Colony of Victoria founded.
Van Diemen's Land
1800
1900
2000


Western Australia
South Australia
New South Wales
Victoria
1 January 1856 - Van Diemen's Land name changed to Tasmania.
Tasmania
1800
1900
2000

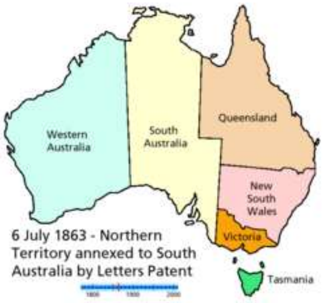

(Area nominally part of New South Wales)
141°E
Queensland
Western Australia
South Australia
29°S
New South Wales
Victoria
6 June 1859 - Queensland authorised as separate colony by letters patent.
Tasmania
1800
1900
2000

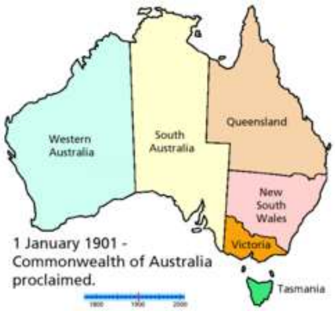
1859 Queensland authorised as a separate colony.


(Area nominally part of New South Wales)
Western Australia
Queensland
129°E
South Australia
New South Wales
Victoria
Tasmania
1860 - South Australian border changed from 132°E to 129°E


(Area nominally part of New South Wales)
Western Australia
Queensland
138°E
South Australia
New South Wales
Victoria
Tasmania
12 April 1862 - Queensland border moved to 138° E

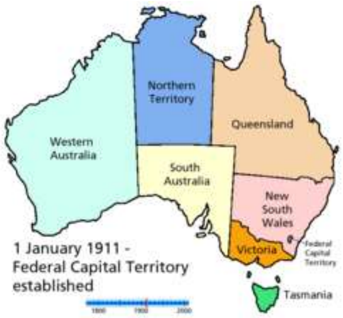
1863 Northern Territory annexed from N.S.W. to South Australia.


Western Australia
South Australia
Queensland
New South Wales
Victoria
Tasmania
6 July 1863 - Northern Territory annexed to South Australia by Letters Patent


Western Australia
South Australia
Queensland
New South Wales
Victoria
Tasmania
1 January 1901 - Commonwealth of Australia proclaimed.

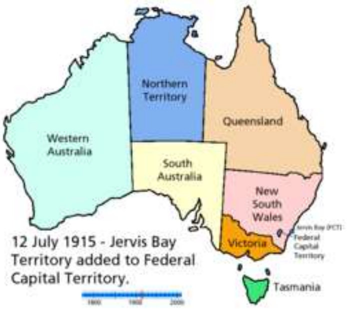
1901 Commonwealth of Australia proclaimed.

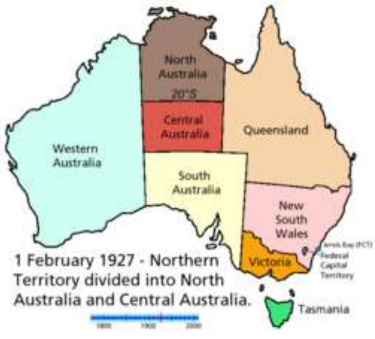
1911 Northern Territory reformed and transferred to Commonwealth control.


Northern Territory
Western Australia
Queensland
South Australia
New South Wales
Federal Capital Territory
Victoria
Tasmania
1 January 1911 - Federal Capital Territory established

1911 Federal Capital Territory established. Renamed Australian Capital Territory in 1938.

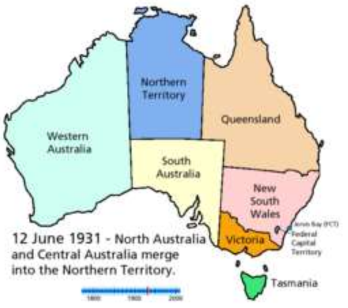
1915 Jervis Bay added to Federal Capital Territory.

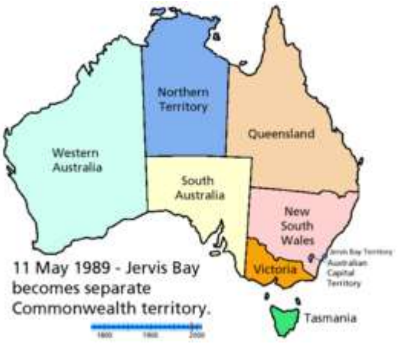

Northern Territory
Western Australia
Queensland
South Australia
New South Wales
Jervis Bay (FCT)
Federal Capital Territory
Victoria
Tasmania
12 July 1915 - Jervis Bay Territory added to Federal Capital Territory.


North Australia
20°S
Central Australia
Western Australia
Queensland
South Australia
New South Wales
Jervis Bay (FCT)
Federal Capital Territory
Victoria
Tasmania
1 February 1927 - Northern Territory divided into North Australia and Central Australia.

1927 Northern Territory divided into North Australia and Central Australia.

1931 North Australia and Central Australia merge into the Northern Territory.


Northern Territory
Western Australia
Queensland
South Australia
New South Wales
Jervis Bay (FCT)
Federal Capital Territory
Victoria
Tasmania
12 June 1931 - North Australia and Central Australia merge into the Northern Territory.


Northern Territory
Western Australia
Queensland
South Australia
New South Wales
Jervis Bay Territory
Australian Capital Territory
Victoria
Tasmania
11 May 1989 - Jervis Bay becomes separate Commonwealth territory.

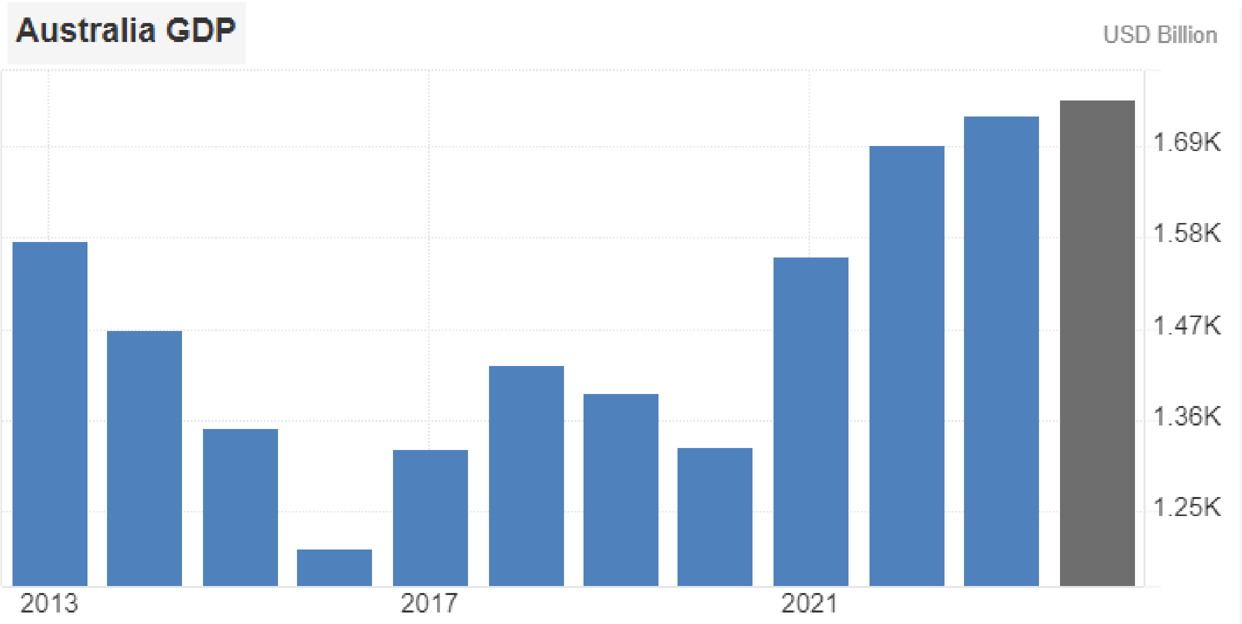
Northern Territory
Western Australia
Queensland
South Australia
New South Wales
Victoria
Tasmania
25 July 1938 - Federal Capital Territory renamed Australian Capital Territory.

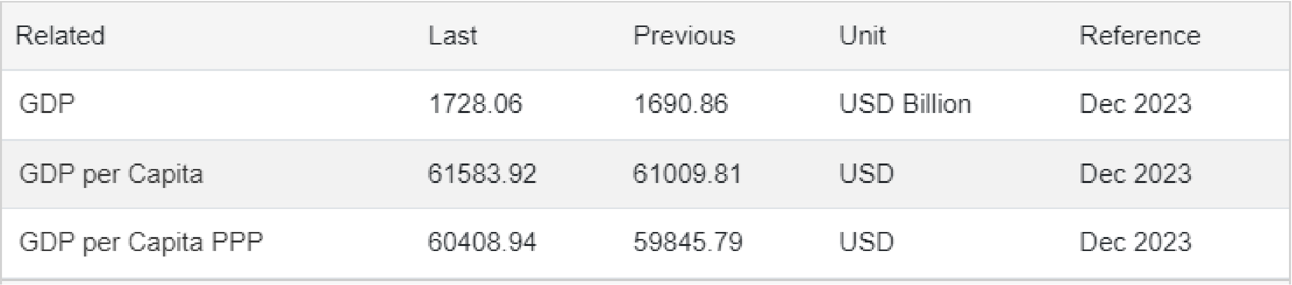
1989 Jervis Bay becomes a separate Commonwealth Territory

AUSTRALIA GROSS DOMESTIC PRODUCT (GDP)

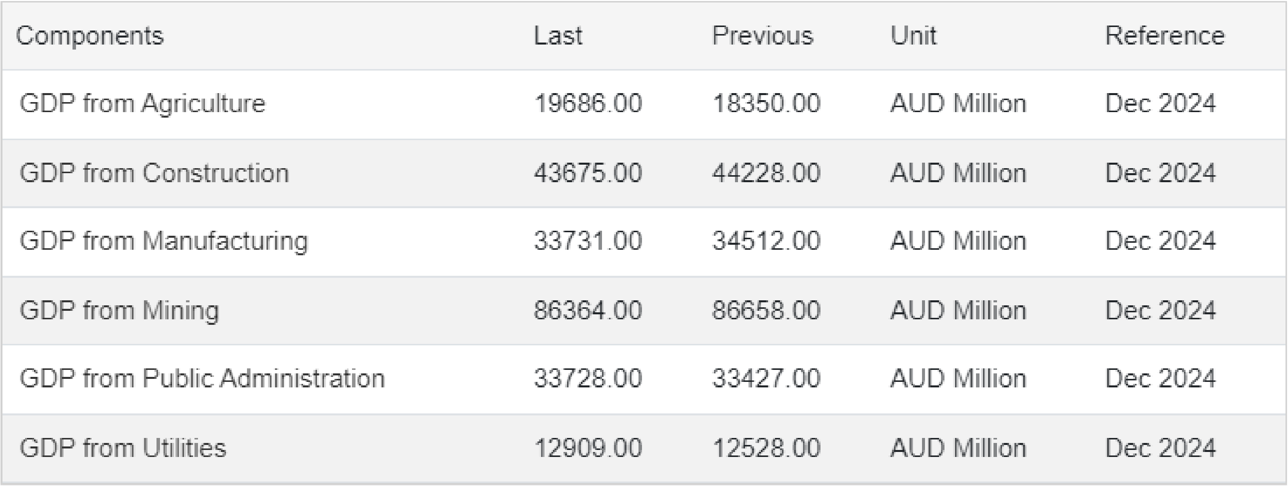
https://tradingeconomics.com/australia/gdp

The Gross Domestic Product (GDP) in Australia was worth US$1,728.06 billion in 2023, according to official data from the World Bank. The GDP value of Australia represents 1.64 percent of the world economy. source: World Bank



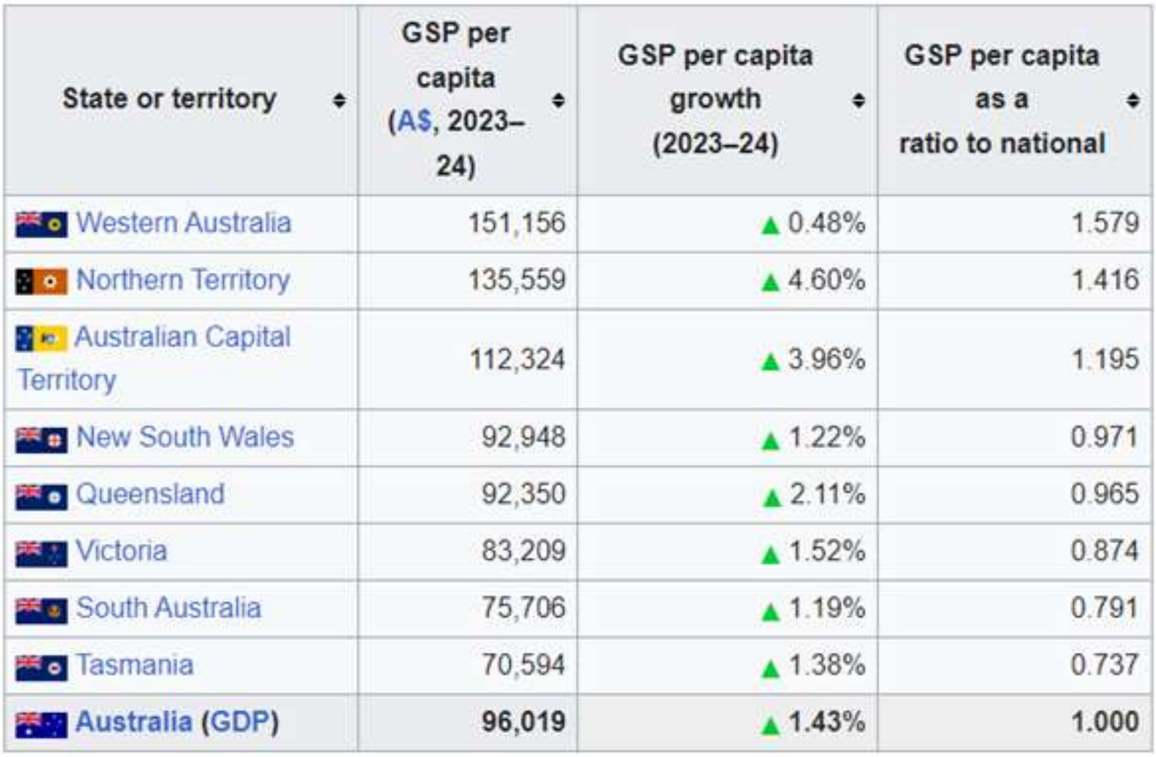


Related	Last	Previous	Unit	Reference
GDP	1728.06	1690.86	USD Billion	Dec 2023
GDP per Capita	61583.92	61009.81	USD	Dec 2023
GDP per Capita PPP	60408.94	59845.79	USD	Dec 2023



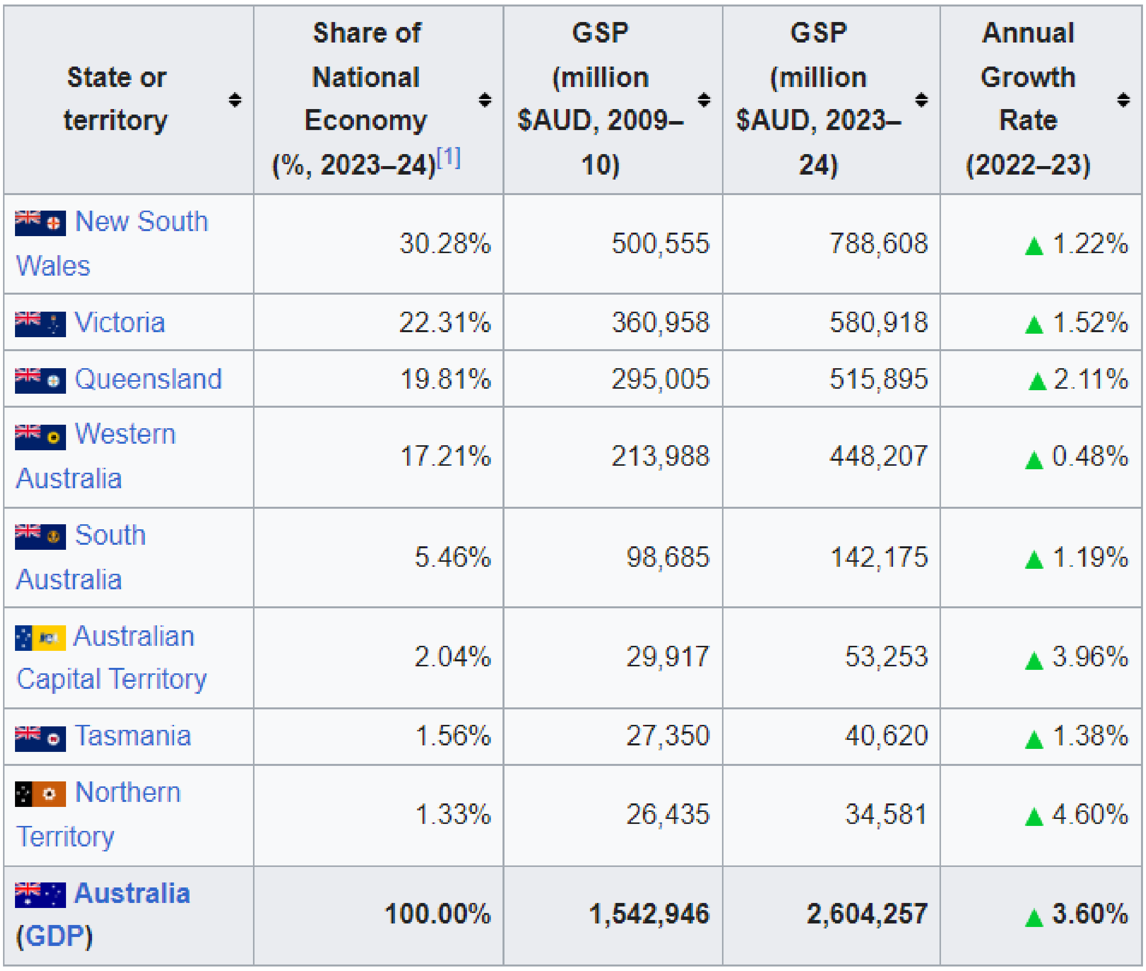
Components	Last	Previous	Unit	Reference
GDP from Agriculture	19686.00	18350.00	AUD Million	Dec 2024
GDP from Construction	43675.00	44228.00	AUD Million	Dec 2024
GDP from Manufacturing	33731.00	34512.00	AUD Million	Dec 2024
GDP from Mining	86364.00	86658.00	AUD Million	Dec 2024
GDP from Public Administration	33728.00	33427.00	AUD Million	Dec 2024
GDP from Utilities	12909.00	12528.00	AUD Million	Dec 2024

States and territories by GSP per capita

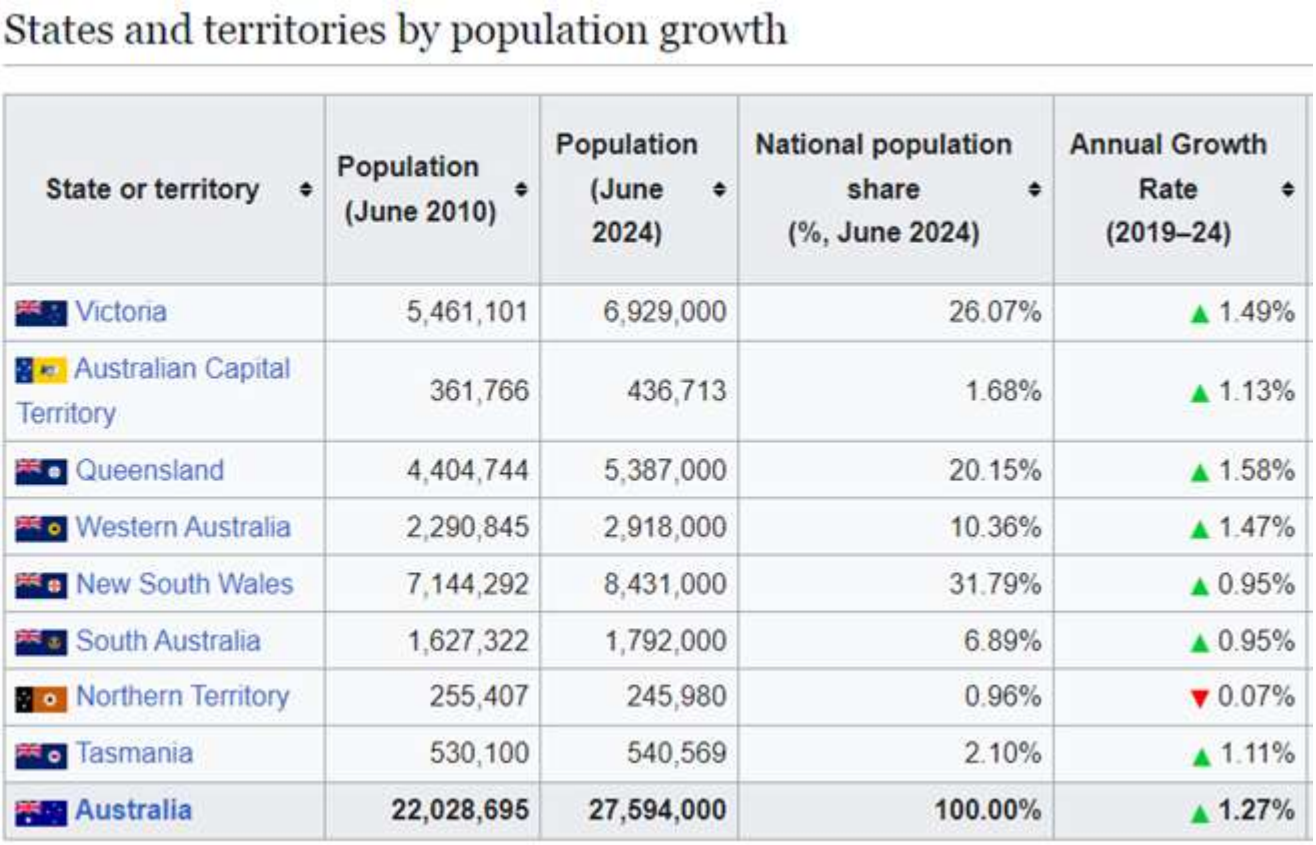


State or territory	GSP per capita (A$, 2023–24)	GSP per capita growth (2023–24)	GSP per capita as a ratio to national
Western Australia	151,156	▲ 0.48%	1.579
Northern Territory	135,559	▲ 4.60%	1.416
Australian Capital Territory	112,324	▲ 3.96%	1.195
New South Wales	92,948	▲ 1.22%	0.971
Queensland	92,350	▲ 2.11%	0.965
Victoria	83,209	▲ 1.52%	0.874
South Australia	75,706	▲ 1.19%	0.791
Tasmania	70,594	▲ 1.38%	0.737
Australia (GDP)	**96,019**	**▲ 1.43%**	**1.000**

States and territories by GSP growth and share of national economy



State or territory	Share of National Economy (%, 2023–24)[1]	GSP (million $AUD, 2009–10)	GSP (million $AUD, 2023–24)	Annual Growth Rate (2022–23)
New South Wales	30.28%	500,555	788,608	▲ 1.22%
Victoria	22.31%	360,958	580,918	▲ 1.52%
Queensland	19.81%	295,005	515,895	▲ 2.11%
Western Australia	17.21%	213,988	448,207	▲ 0.48%
South Australia	5.46%	98,685	142,175	▲ 1.19%
Australian Capital Territory	2.04%	29,917	53,253	▲ 3.96%
Tasmania	1.56%	27,350	40,620	▲ 1.38%
Northern Territory	1.33%	26,435	34,581	▲ 4.60%
Australia (GDP)	**100.00%**	**1,542,946**	**2,604,257**	**▲ 3.60%**



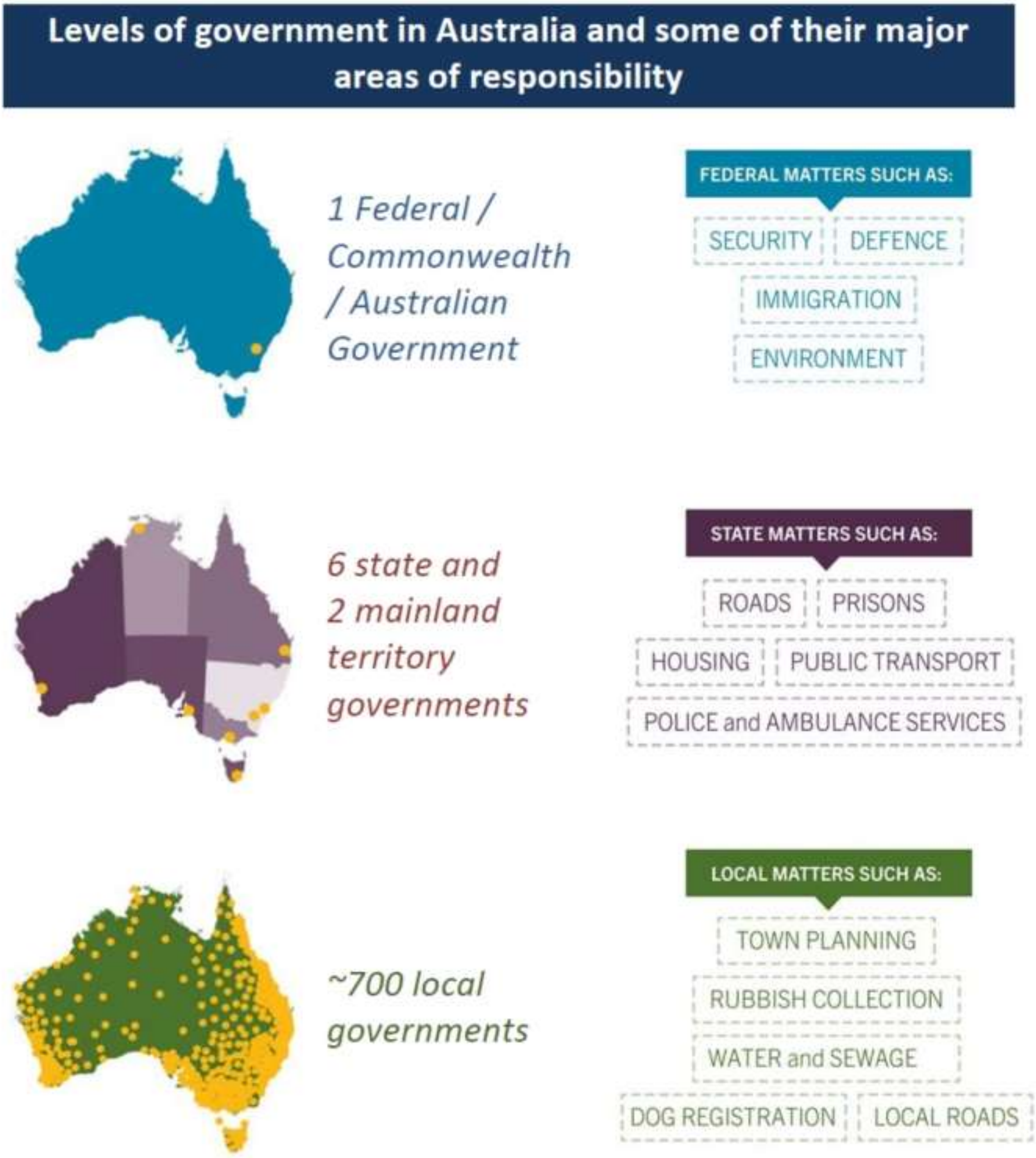
States and territories by population growth

State or territory	Population (June 2010)	Population (June 2024)	National population share (%, June 2024)	Annual Growth Rate (2019–24)
Victoria	5,461,101	6,929,000	26.07%	▲ 1.49%
Australian Capital Territory	361,766	436,713	1.68%	▲ 1.13%
Queensland	4,404,744	5,387,000	20.15%	▲ 1.58%
Western Australia	2,290,845	2,918,000	10.36%	▲ 1.47%
New South Wales	7,144,292	8,431,000	31.79%	▲ 0.95%
South Australia	1,627,322	1,792,000	6.89%	▲ 0.95%
Northern Territory	255,407	245,980	0.96%	▼ 0.07%
Tasmania	530,100	540,569	2.10%	▲ 1.11%
Australia	**22,028,695**	**27,594,000**	**100.00%**	**▲ 1.27%**

States and territories by population growth

State or territory	Population (June 2010)	Population (June 2024)	National population share (%, June 2024)	Annual Growth Rate (2019–24)
Victoria	5,461,101	6,929,000	26.07%	▲ 1.49%
Australian Capital Territory	361,766	436,713	1.68%	▲ 1.13%
Queensland	4,404,744	5,387,000	20.15%	▲ 1.58%
Western Australia	2,290,845	2,918,000	10.36%	▲ 1.47%
New South Wales	7,144,292	8,431,000	31.79%	▲ 0.95%
South Australia	1,627,322	1,792,000	6.89%	▲ 0.95%
Northern Territory	255,407	245,980	0.96%	▼ 0.07%
Tasmania	530,100	540,569	2.10%	▲ 1.11%
Australia	**22,028,695**	**27,594,000**	**100.00%**	**▲ 1.27%**

CONTROL DiSRUPT



Levels of government in Australia and some of their major areas of responsibility

1 Federal / Commonwealth / Australian Government

FEDERAL MATTERS SUCH AS:

- SECURITY
- DEFENCE
- IMMIGRATION
- ENVIRONMENT

6 state and 2 mainland territory governments

STATE MATTERS SUCH AS:

- ROADS
- PRISONS
- HOUSING
- PUBLIC TRANSPORT
- POLICE and AMBULANCE SERVICES

~700 local governments

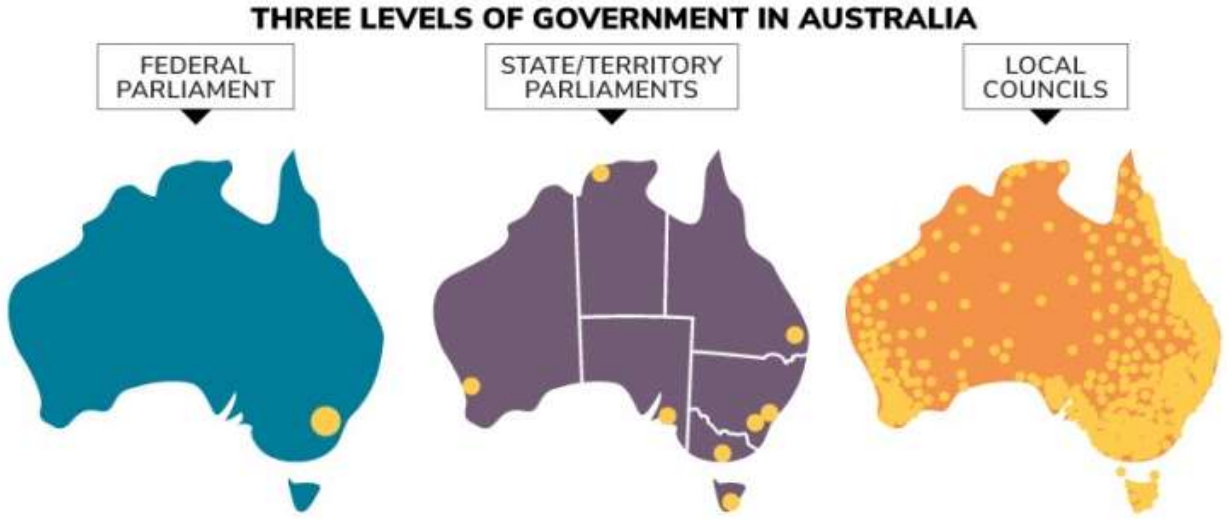
LOCAL MATTERS SUCH AS:

- TOWN PLANNING
- RUBBISH COLLECTION
- WATER and SEWAGE
- DOG REGISTRATION
- LOCAL ROADS

Three levels of government: governing Australia

https://peo.gov.au/understand-our-parliament/how-parliament-works/three-levels-of-government/three-levels-of-government-governing-australia

In Australia the three levels of government work together to provide us with the services we need. This in-depth paper explores the roles and responsibilities of each level, how they raise money and how they work together. Case studies show how the powers of the Australian Parliament have expanded.


THREE LEVELS OF GOVERNMENT IN AUSTRALIA
FEDERAL PARLIAMENT
STATE/TERRITORY PARLIAMENTS
LOCAL COUNCILS

Australia has three levels of government that work together to provide us with the services we need:

- The federal Parliament makes laws for the whole of Australia.
- Six state and 2 territory parliaments make laws for their state or territory.
- Over 500 local councils make local laws (by-laws) for their region or district.

How the federal and state parliaments work together is sometimes referred to as the division of powers.

Each level of government has its own responsibilities, although in some cases these responsibilities are shared.

Australians aged 18 years and over vote to elect representatives to federal, state and territory parliaments, and local councils to make decisions on their behalf. This means Australians have someone to represent them at each level of government.

History

The establishment of the three levels of Australian government was an outcome of Federation in 1901, when the 6 British colonies – New South Wales, Western Australia, Queensland, Victoria, South Australia and Tasmania – united to form the Commonwealth of Australia. Up until the 1850s each colony was run by a non-elected governor appointed by the British Parliament.

By 1860 all the colonies, apart from Western Australia, had been granted partial self-government by Britain (Western Australia became self-governing in 1890). Each had its own written constitution, parliament and laws, although the British Parliament retained the power to make laws for the colonies and could over-rule laws passed by the colonial parliaments. By the end of the 19th century, many colonists felt a national government was needed to deal with issues such as defence, immigration and trade.

For Federation to happen, it was necessary to find a way to unite the colonies as a nation with a central or national government, while allowing the colonial parliaments to maintain their authority.
The Australian Constitution, which sets out the legal framework by which Australia is governed,

resolved this issue by giving Australia a federal system of government. This means power is shared between the federal – Australian – government and state governments.

Under the Constitution the states kept their own parliaments and most of their existing powers but the federal Parliament was given responsibility for areas that affected the whole nation. State parliaments in turn gave local councils the task of looking after the particular needs of their local communities.

Making laws

Federal Parliament

The Constitution established a federal Parliament. The 226 members of the Australian Parliament – 76 in the Senate and 150 in the House of Representatives – are responsible for making federal laws.

Sections 51 and 52 of the Constitution describe the law-making powers of the federal Parliament. Section 51 lists 39 areas over which the federal Parliament has legislative (law-making) power. These include:

- international and Australian trade and commerce
- defence
- postal and telecommunications services
- banking and insurance
- foreign policy
- citizenship
- taxation
- pensions
- census and statistics
- welfare payments
- currency
- Medicare
- national employment conditions
- marriage and divorce
- immigration

Under section 51 of the Constitution, state parliaments can refer matters to the federal Parliament. That is, they can ask the federal Parliament to make laws about an issue that is otherwise a state responsibility. Any federal law then made about the issue only applies in the state or states who referred the matter to federal Parliament or who decide to adopt the law.

Some of the powers listed in section 51 are exclusive powers of the federal Parliament. That is, only the federal Parliament can make laws in these areas. Some powers are shared with the state and territory parliaments. These powers are said to be concurrent. Exclusive powers of the federal Parliament are also included in sections 52, 86, 90, 14, 115 and 122.

Examples of exclusive and concurrent powers

EXCLUSIVE POWERS

of the federal Parliament

Section 51

- defence
- payments to Australians, including pensions and Medicare
- foreign policy
- national census
- currency
- lighthouses, lightships, beacons and bouys
- copyright
- citizenship

Section 52

- the national capital
- federal public service

Sections 86 and 90

- collection of customs – taxes – on imported goods

Sections 114 and 115

- defence and currency exclusive powers of the federal parliament

Section 122

- federal Parliament can make laws for territories, including their representation to the federal Parliament

CONCURRENT POWERS

powers shared by the federal Parliament, and the state and territory parliaments

Education

- federal parliament—universities
- state and territory parliaments—schools and teachers, vocational education

Environment

- federal Parliament—responsible for obligations under international treaties (for example world heritage areas)
- state and territory parliaments—protection of the natural environment, approvals for new developments, waste disposal, etc.

Health

- federal Parliament—payments to doctors and for pharmaceuticals
- state and territory parliaments—hospitals

Marriage and divorce

- federal Parliament—decides who can get married
- state and territory parliaments—decide how marriages are registered

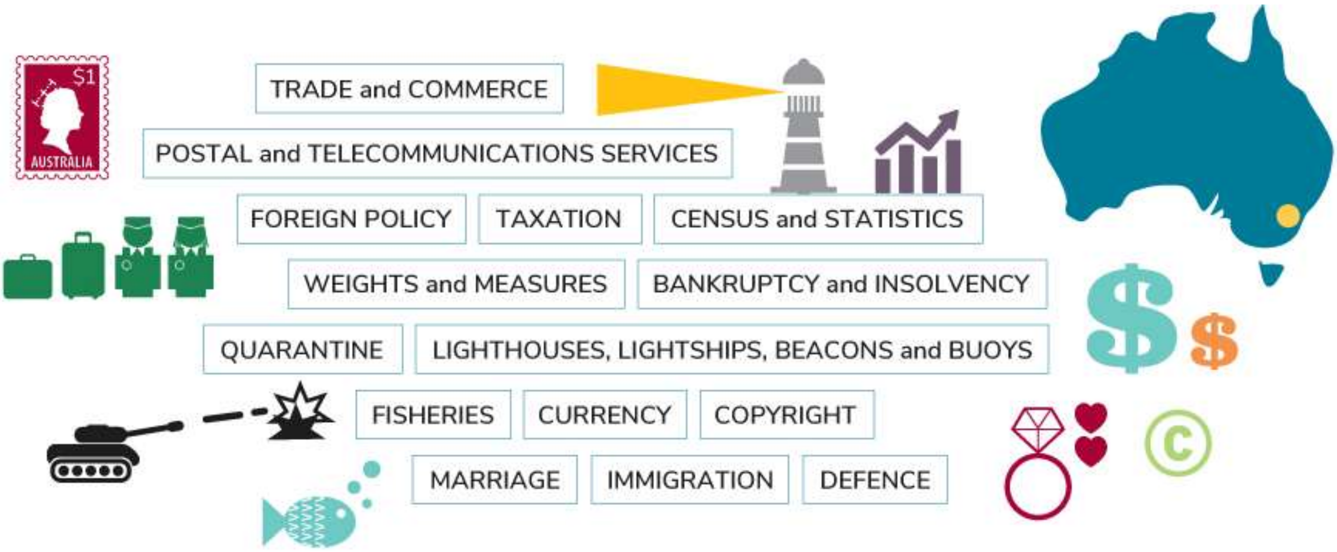
Overseas trade

- federal Parliament – ratifies – makes Australian law – international trade agreements for the whole of Australia
- state and territory parliaments – ratifies international trade agreements for that state or territory

Taxation

- federal Parliament – collects taxes on income and company profits
- state and territory parliaments – collects stamp duty, payroll tax and other smaller taxes

Because the federal Parliament and the state parliaments can make laws in the same areas, sometimes these laws conflict. Section 109 of the Constitution states that if the federal Parliament and a state parliament pass conflicting laws on the same subject, then the federal law overrides the state law or the part of the state law that is inconsistent with it.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AUSTRALIA
TRADE and COMMERCE
POSTAL and TELECOMMUNICATIONS SERVICES
FOREIGN POLICY
TAXATION
CENSUS and STATISTICS
WEIGHTS and MEASURES
BANKRUPTCY and INSOLVENCY
QUARANTINE
LIGHTHOUSES, LIGHTSHIPS, BEACONS and BUOYS
FISHERIES
CURRENCY
COPYRIGHT
MARRIAGE
IMMIGRATION
DEFENCE
$
$
©

The law-making powers of the federal Parliament.

State and territory parliaments

Australia has 6 state parliaments. It also has 2 territory parliaments known as legislative assemblies. These parliaments are located in Australia's 8 capital cities.

Each state, apart from Queensland, has a parliament that consists of 2 houses. The Queensland Parliament has only one house – the Legislative Assembly – making it unicameral (single-house).

The Northern Territory and the Australian Capital Territory parliaments are also unicameral – both have one house called the Legislative Assembly. The Australian Capital Territory is unique in Australia because its parliament combines the responsibilities of both a local and state government.

Section 122 of the Constitution gives the federal Parliament the power to make laws for the territories. Until they were granted self-government, the Northern Territory and Australian Capital Territory were administered – managed – by the federal government. Federal Parliament gave the territories self-government by passing the *Northern Territory (Self-Government) Act 1978* and the *Australian Capital Territory (Self-Government) Act 1988*.

Other territories

There are 8 Australian territories in addition to the Australian Capital Territory (ACT) and Northern Territory (NT):

- Ashmore and Cartier Islands
- Australian Antarctic Territory
- Christmas Island
- Cocos (Keeling) Islands
- Coral Sea Islands
- Jervis Bay Territory
- Norfolk Island
- Territory of Heard Island and McDonald Islands

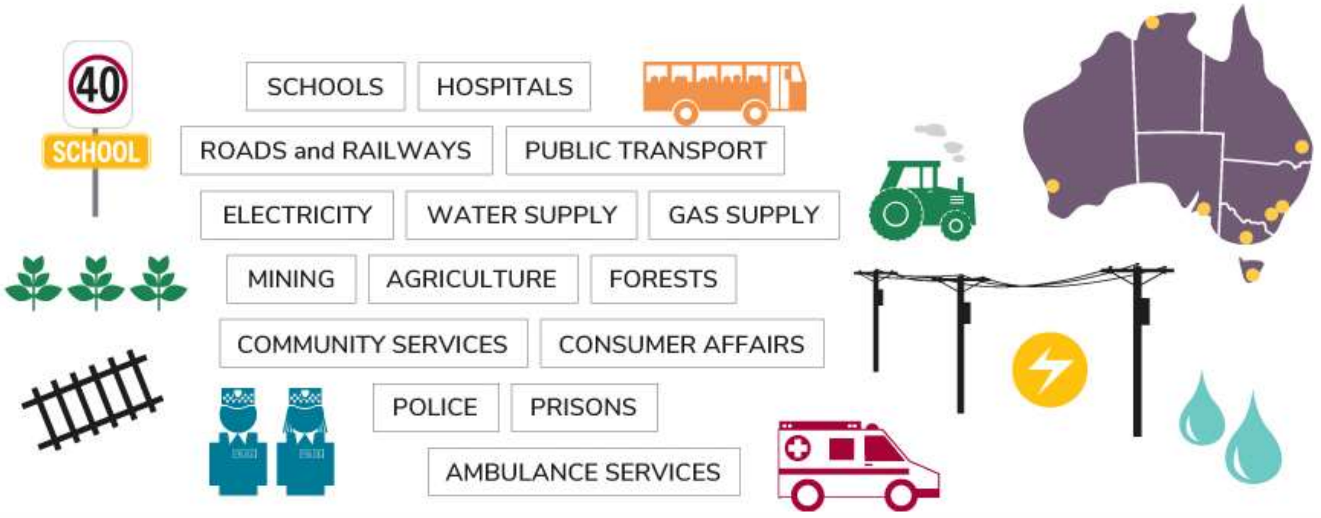
These territories are governed according to Australian – federal – law and the laws of a state, the ACT or NT. Most have an appointed Administrator.

State and territory parliaments make laws that are enforced within their state or territory. By defining federal powers, the Australian Constitution reserved – left – most other law-making powers to the states. These are called residual powers. As a rule, if it is not listed in sections 51 and 52 of the Constitution, it is an area of state responsibility. State laws relate to matters that are primarily of state interest such as:

- schools
- hospitals
- roads and railways
- public transport
- utilities such as electricity and water supply
- mining
- agriculture
- forests
- community services
- consumer affairs
- police
- prisons
- ambulance services

Section 122 of the Constitution allows the Parliament to override a territory law at any time. The federal Parliament has only used its power under section 122 a few times and only in cases where the territory law has created much debate or controversy within the Australian community.

Up until 2011 the self-government Acts covering the Northern Territory and the Australian Capital Territory gave federal ministers the right to veto or change territory laws without approval of federal Parliament. This veto power was used by Prime Minister John Howard in 2006 to disallow the Australian Capital Territory's civil union laws. Federal Parliament has now amended the self-government Acts so the federal Parliament must vote to veto a territory law.


40
SCHOOL
SCHOOLS
HOSPITALS
ROADS and RAILWAYS
PUBLIC TRANSPORT
ELECTRICITY
WATER SUPPLY
GAS SUPPLY
MINING
AGRICULTURE
FORESTS
COMMUNITY SERVICES
CONSUMER AFFAIRS
POLICE
PRISONS
AMBULANCE SERVICES

The law-making powers of state parliaments.

1997

In 1997 federal Parliament passed a law to overturn the *Rights of the Terminally Ill Act 1995 (NT)*, which made euthanasia legal in the Northern Territory. The territory law allowed terminally ill patients to decide when to die. After a free vote the federal Parliament passed the *Euthanasia Laws Act 1997*. As a result of this law, the self-government Acts of the territories were changed to stop the territory parliaments making laws about euthanasia.

Councils

There are over 500 local government bodies across Australia. They are often called councils, municipalities or shires. Local governments consist of 2 groups who serve the needs of local communities:

- Elected members, who normally have 4-year terms.
- Staff who work for the council.

On average each council has 9 elected members who are usually called councillors or aldermen, while the chair or head of the council is usually called the mayor or president. These smaller legislative bodies make by-laws about local matters and provide services. For example, councils are responsible for:

- local roads, footpaths, cycle ways, street signage and lighting
- waste management, including rubbish collection and recycling
- parking
- recreational facilities such as parks, sports fields and swimming pools
- cultural facilities, including libraries, art galleries and museums
- services such as childcare and aged care
- sewerage
- town planning
- building approvals and inspections
- land and coast care programs
- pet control.

One of the main tasks of local government is to regulate – manage – services and activities. For example, councils are responsible for traffic lights, and dog and cat registration. These tasks would be difficult for a state government to manage because they are local issues.

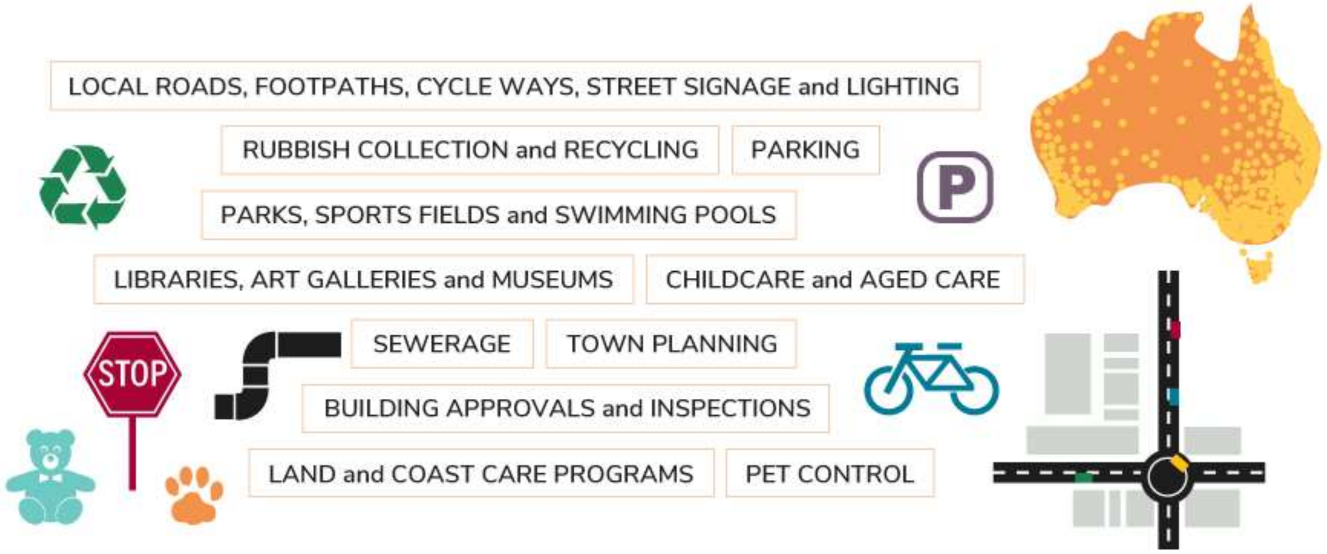
Councils can deliver services adapted to the needs of the community they serve. For instance, the needs of residents in inner-city Brisbane might be different to those of people living in rural Queensland. By providing these services and facilities, councils make sure local communities work well from day-to-day.

From the 1840s colonial parliaments began to hand over responsibility for local issues to local councils. The first council was established in Adelaide in 1840, followed in 1842 by the City of Sydney and Town of Melbourne councils. From the 1850s onwards, the number of elected councils grew rapidly.

Today, local authorities include city councils in urban centres, and regional and shire councils in rural areas. On average each council looks after about 28,400 people. The largest council by population is Brisbane City Council which is responsible for a population of nearly 1.2 million. The Shire of East Pilbara in Western Australia is the largest local authority area.

Local councils are not mentioned in the Australian Constitution, although each state has a local government Act – law – that provides the rules for the creation and operation of councils.

While these Acts vary from state to state, in general they cover how councils are elected and their power to make and enforce local laws, known as by-laws. A by-law is a form of delegated legislation because the state government delegates – gives – to councils the authority to make laws on specific matters. As councils derive their powers from state parliaments, council by-laws may be overruled by state laws.


LOCAL ROADS, FOOTPATHS, CYCLE WAYS, STREET SIGNAGE and LIGHTING
RUBBISH COLLECTION and RECYCLING
PARKING
P
PARKS, SPORTS FIELDS and SWIMMING POOLS
LIBRARIES, ART GALLERIES and MUSEUMS
CHILDCARE and AGED CARE
STOP
SEWERAGE
TOWN PLANNING
BUILDING APPROVALS and INSPECTIONS
LAND and COAST CARE PROGRAMS
PET CONTROL

The law-making powers of local government.

Putting laws into action

Each of the three levels of government has its own executive that puts laws into action.

How governments in Australia raise and spend money.

Federal executive government

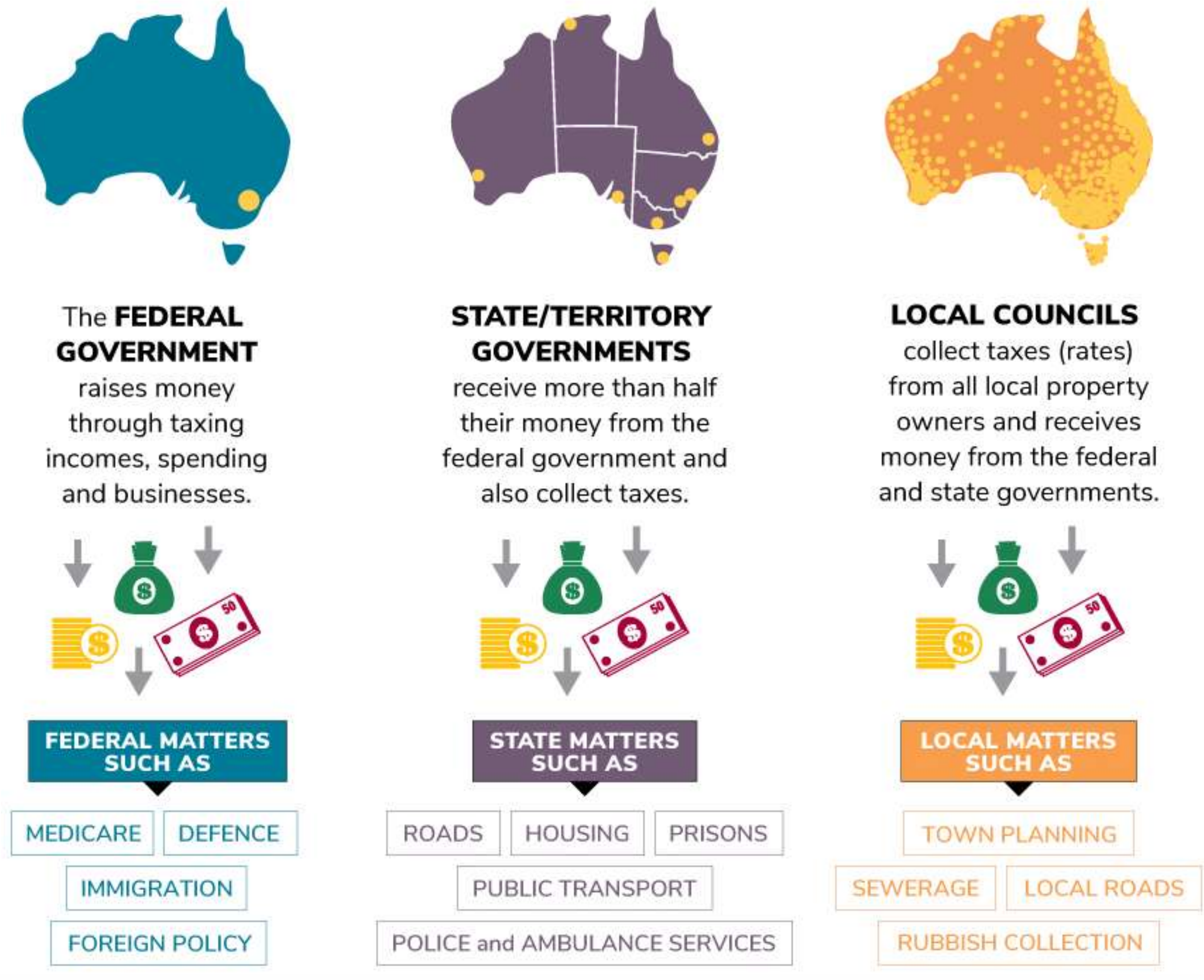
The federal executive – the Prime Minister and ministers – is the main decision-making body of the Australian Government and is responsible for putting federal laws into action. It also makes sure laws provide Australians with the services they need.

If a minister needs to introduce a new law or change an existing one, they must first get the approval of the federal executive. The minister then works with their government department to prepare the bill – proposed law – before it is considered by the Parliament.

The executive government needs money to put laws into action. It raises money by collecting taxes on incomes and company profits, and through other charges such as fuel excise and customs duties.

Once a year the Treasurer delivers the Budget to Parliament, which explains how the government will raise and spend this money. The government must gain approval for its Budget from Parliament. It does this by asking Parliament to pass a series of bills called Appropriation Bills.

Ministers manage the share of the Budget that has been given to the department they are responsible for. They use this money to administer the laws and programs that fall within their portfolio. The executive government also gives revenue – money – collected through the tax on goods and services (GST) to the states and territories to help fund their delivery of services.


The FEDERAL GOVERNMENT raises money through taxing incomes, spending and businesses.
STATE/TERRITORY GOVERNMENTS receive more than half their money from the federal government and also collect taxes.
LOCAL COUNCILS collect taxes (rates) from all local property owners and receives money from the federal and state governments.
FEDERAL MATTERS SUCH AS
MEDICARE
DEFENCE
IMMIGRATION
FOREIGN POLICY
STATE MATTERS SUCH AS
ROADS
HOUSING
PRISONS
PUBLIC TRANSPORT
POLICE and AMBULANCE SERVICES
LOCAL MATTERS SUCH AS
TOWN PLANNING
SEWERAGE
LOCAL ROADS
RUBBISH COLLECTION

Federal

The federal government raises money to run the country by collecting taxes on incomes, goods and services, and company profits, and spends it on national matters: for example, trade, defence and immigration.

State and territory

State and territory governments also raise money from taxes but receive more than half their money from the federal government and spend it on state and territory matters: for example, schools, housing, hospitals, roads and railways, police and ambulance services.

Local

Local councils collect taxes – rates – from all local property owners and receive grants from federal, state and territory governments, and spend this on local matters: for example, town planning, rubbish collection, water and sewerage, local roads and pet control.

State and territory executives

States and territories also have executive governments. There are 6 state and 2 territory executive governments. State executive governments are made up of a premier and state ministers. Territory executive governments are made up of a chief minister and territory ministers. These ministers are elected members of the state or territory parliament, and come from the party or coalition of parties that forms government in the lower house. State and territory executives decide on policy and new laws, including how to put state or territory laws into action.

State and territory executive governments get about half their money, including their share of the goods and services tax (GST), from the federal executive government. They also raise money from taxes and charges such as:

- stamp duty – a tax on legal documents
- payroll tax – a tax on the total amount of salaries paid by an employer
- motor vehicle registration
- land tax – a tax paid by certain land owners on the unimproved value of their property, including holiday homes, investment properties and vacant land
- gambling licenses.

The states and territories spend this money to manage laws and to provide goods and services to the people of their state or territory. State and territory ministers, like federal ministers, manage the budget given to the government department they are responsible for.

The local executive

Elected councillors decide on policy and make by-laws for their community at council meetings. These decisions are then administered – put in place – by the chief executive officer and other non-elected employees of the council.

Local governments receive part of their income in grants from federal, state and territory executive governments. Councils also raise their own money from local taxes such as rates – tax on the value of property – sewerage and water charges, dog licences and user fees for sporting facilities and libraries.

Changes in the federal and state relationship

Since Federation some rulings made by the High Court of Australia have strengthened the law-making powers of the federal Parliament. The High Court can resolve disagreements between the federal and state governments over their law-making powers. If a law is contested – challenged – it is up to the High Court to determine whether the Constitution gives the relevant parliament the power to make this law. A law judged by the High Court to be unconstitutional is then invalid, meaning it is over-ruled.

The states' reliance on federal government funding to pay for activities such as schools and hospitals has also shifted the federal-state balance. Federal funding grants make up about half of the states' total revenue. Under section 96 of the Constitution, the federal Parliament can 'grant financial assistance to any State on such terms and conditions as Parliament thinks fit'. This allows the federal government to give 'tied' grants to state governments, directing the state government on how to spend the money. The federal government can then influence the way things are done in areas such as education, health, housing and transport, which are primarily state responsibilities.

The law-making powers of the federal Parliament have also grown to deal with the huge social and technological advances that have occurred since Federation. As Australian society has changed, so too have the issues facing federal Parliament. For instance, the drafters of the Constitution could not have foreseen how the digital revolution has impacted the way we live, work and communicate. In 1901 there were only 33,000 telephones in Australia and no radio, television, computers or internet. Today the federal Parliament makes laws about all of these services. It is able to do this under section 51(v) of the Constitution, which gives Parliament responsibility for 'postal, telegraphic, telephonic and other like services'.

Cooperation

Members of the federal, state and local executives are required to work together in order to solve complex problems.

The National Cabinet, which includes the Prime Minister, premiers, and chief ministers, meets regularly to discuss intergovernmental matters.

Ministers from the various levels of government also work together on matters of common concern. For example, the Australian Health Ministers' Advisory Council meets regularly to negotiate a coordinated national approach to health policy.

As a result of intergovernmental discussions, uniform national laws have been made to tackle issues such as road transport, food standards and consumer rights. By introducing uniform national laws, the three levels of government can operate together with a greater level of efficiency.

Case study 1

Radio Licence Case 1935

Until 1974 the federal government charged households a fee, or listener's licence, for each radio set they owned. The fees were used to pay for radio stations. In 1934 Dulcie Williams from Surry Hills in Sydney refused to pay the listener's licence on the grounds wireless radio is not mentioned in the Constitution. In doing so she challenged the federal Parliament's right to make laws about broadcasting.

The case went to the High Court, who found in favour of the government based on section 51(v) of the Constitution. This section gives federal Parliament responsibility for 'postal, telegraphic, telephonic and other like services'. The Court decided wireless radio could be defined as being like a telegraphic or telephonic service because it involved sending communications.

The High Court's interpretation of section 51(v) means that today the federal Parliament can make laws about all forms of communication, including television and the internet. For example, it has passed laws to regulate the use of the internet, tackle cyber-crime and invest in infrastructure such as the National Broadband Network.

Case study 2

Tasmanian Dam Case 1983

In 1978 the state-owned Tasmanian Hydro-Electric Commission announced plans to dam the Franklin River and flood a large wilderness area in south-west Tasmania. Four years later the area was declared a World Heritage site under the World Heritage Convention, to which the federal government is a signatory – Australia has agreed to the convention.

The federal Parliament then passed laws to stop clearing and excavation within the newly listed Tasmanian Wilderness World Heritage area. The Tasmanian government challenged the laws in the High Court of Australia, arguing the federal Parliament did not have the power to stop the construction of the dam.

In 1983 the High Court ruled that, under its external affairs power, the federal Parliament could make laws relating to international treaties which Australia had signed. The external affairs power, listed in section 51(xxix) of the Constitution, allows the federal Parliament to enter into international treaties and agreements on behalf of Australia.

Although the federal Parliament has no law-making powers over Tasmania's rivers, dams or environment, the court decided the federal legislation was valid because it allowed the government to meet its commitments under an international treaty – the World Heritage Convention.

When the Constitution was written, treaties mainly related to peace and trade but today they also deal with matters that are defined as state responsibilities – for example, human rights, environmental protection and discrimination. As a result of the High Court ruling, the federal government can now make laws in these and other areas in order to honour treaty agreements.

Case study 3

The Great Barrier Reef Marine Park

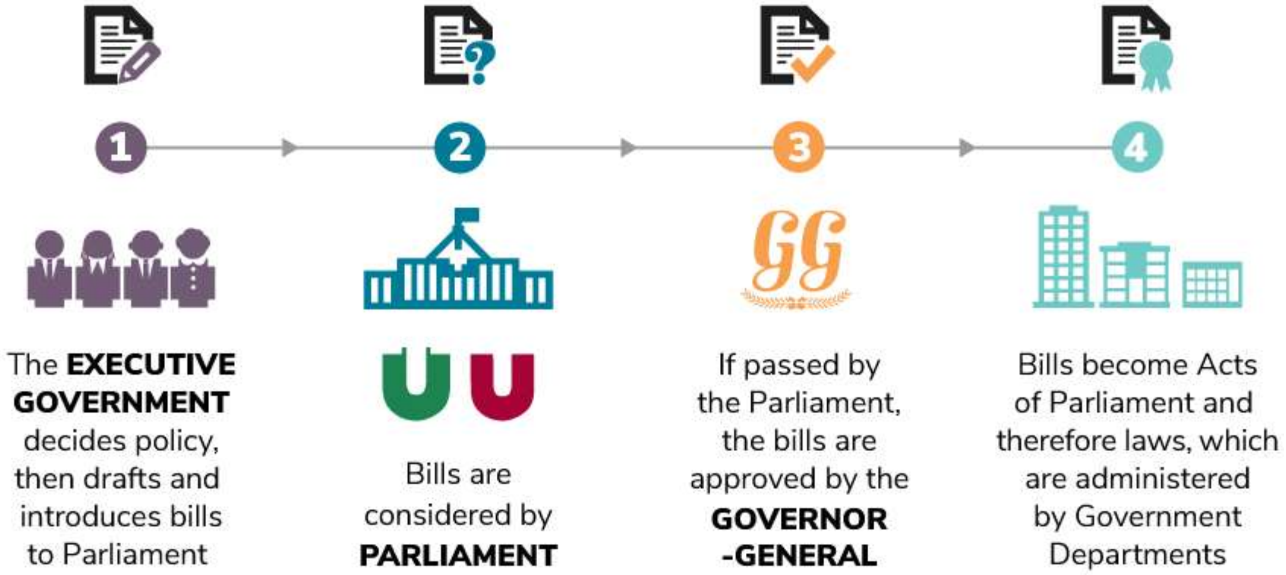
In the 1960s and 1970s the Queensland Government sought to commercialise the natural resources of the Great Barrier Reef. In response, the growing environmental movement organised protests against the expansion of mining and oil drilling in this sensitive environment.

In 1969 the federal and Queensland governments jointly established an inquiry into the ‘possibility’ of oil drilling causing damage to the reef. This inquiry was upgraded to the federal Royal Commission into Exploratory and Production Drilling for Petroleum in the Area of the Great Barrier Reef, which recommended the creation of a marine park to protect the Reef.

In response the federal and Queensland governments agreed to ban oil drilling in the territorial waters they controlled and the federal Parliament passed the *Great Barrier Reef Marine Park Act 1975*. This created a federal agency to grow and administer the new park in conjunction with the Queensland Government.

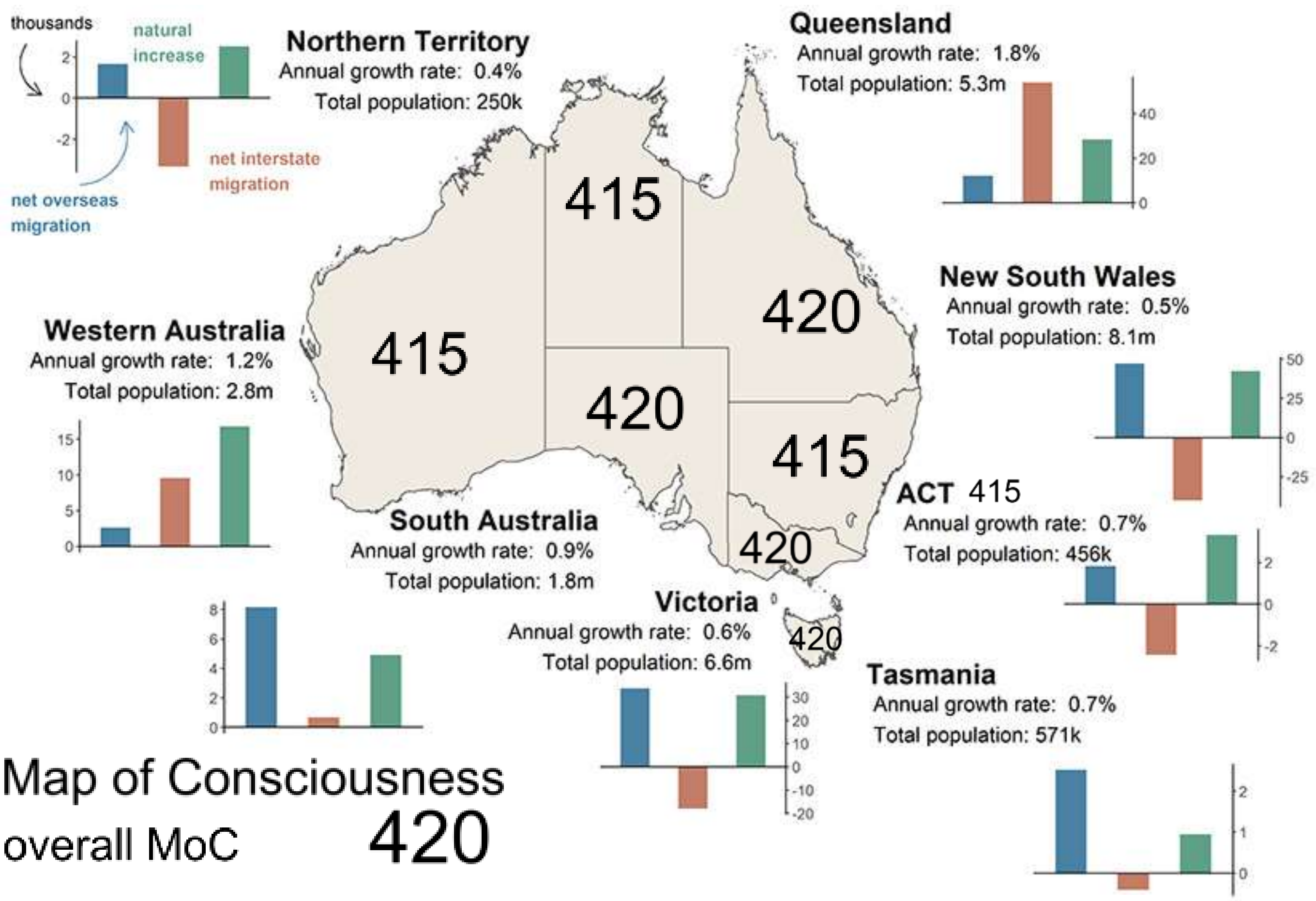
The Queensland Government manages the day-to-day operations of the Park, including undertaking state responsibilities such as issuing fishing and tourism operator licenses. The federal and Queensland governments work with local councils along the Queensland coast to protect and preserve the marine park. For example, local councils are responsible for stormwater treatment, ensuring water running into the reef is free from pollutants.

FROM POLICY TO LAW



1. The **EXECUTIVE GOVERNMENT** decides policy, then drafts and introduces bills to Parliament
2. Bills are considered by **PARLIAMENT**
3. If passed by the Parliament, the bills are approved by the **GOVERNOR -GENERAL**
4. Bills become Acts of Parliament and therefore laws, which are administered by Government Departments

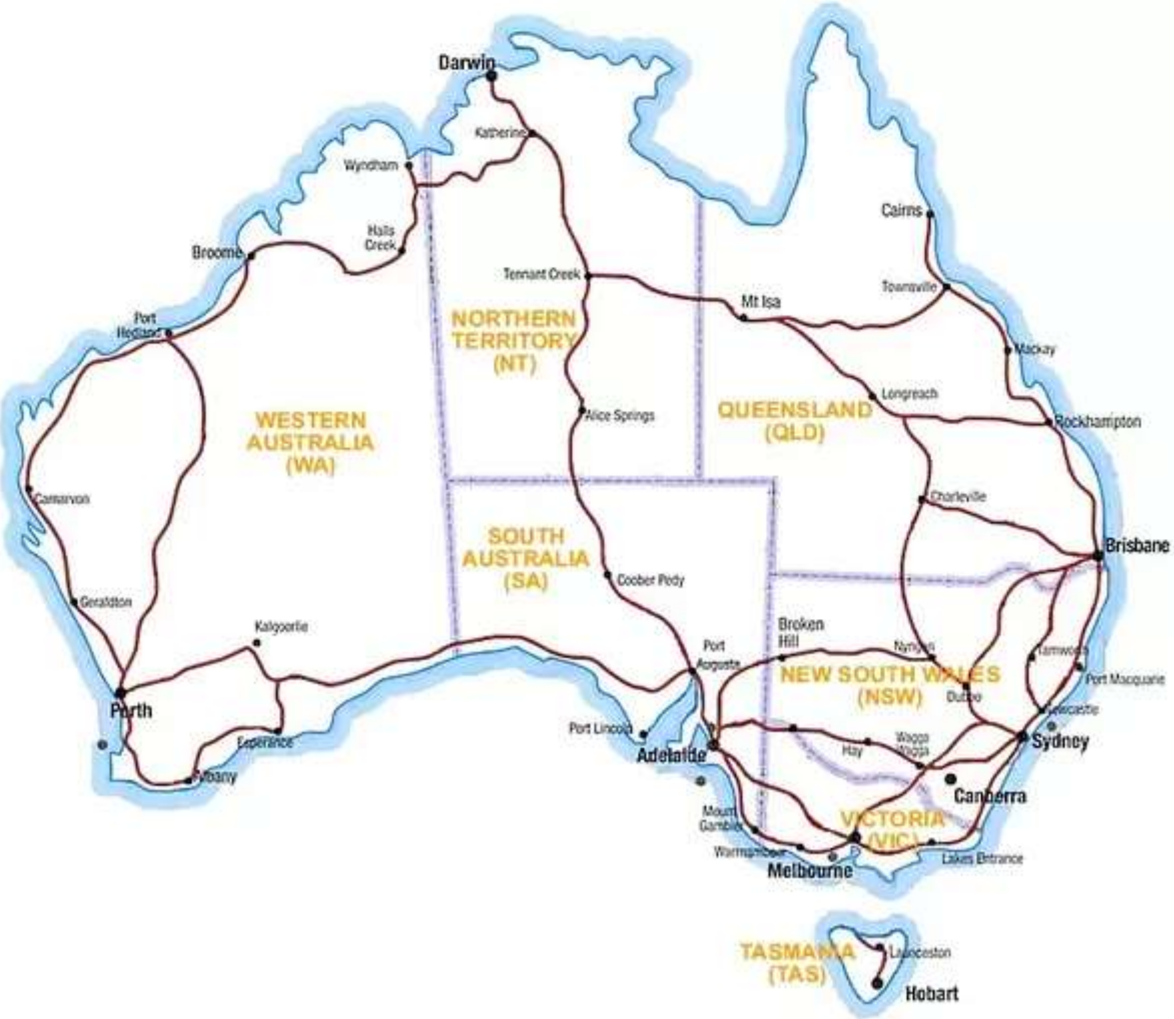
Australia must return to nation building

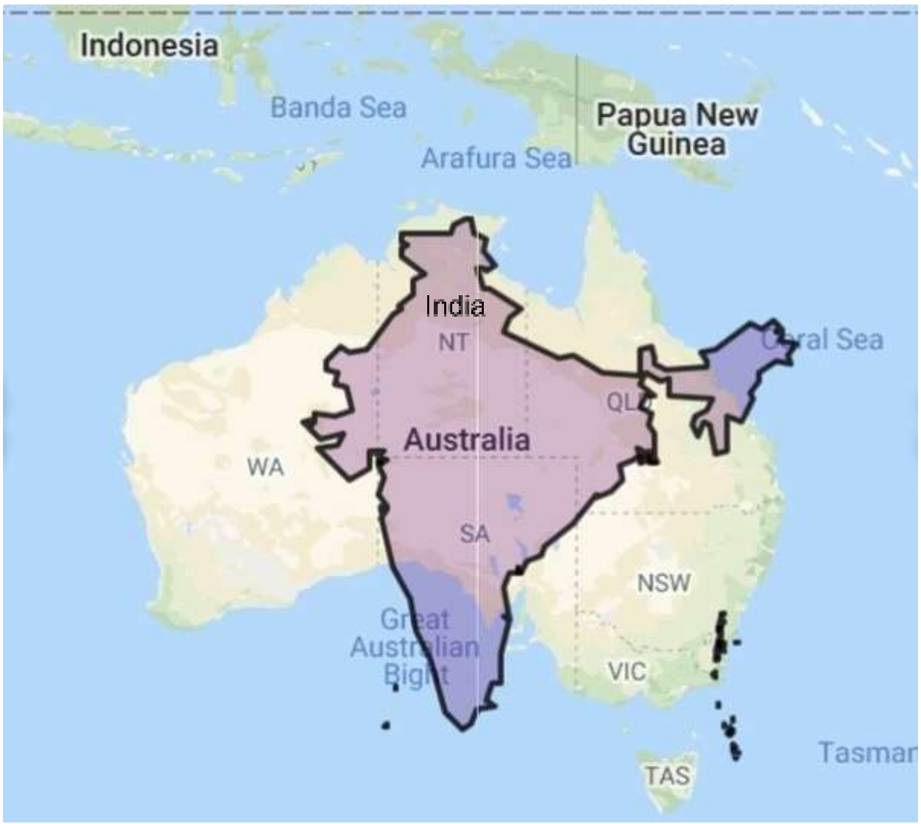

thousands
natural increase
net interstate migration
net overseas migration
2
0
-2
Northern Territory
Annual growth rate: 0.4%
Total population: 250k
Queensland
Annual growth rate: 1.8%
Total population: 5.3m
40
20
0
415
420
New South Wales
Annual growth rate: 0.5%
Total population: 8.1m
50
25
0
-25
Western Australia
Annual growth rate: 1.2%
Total population: 2.8m
15
10
5
0
415
420
415
ACT 415
Annual growth rate: 0.7%
Total population: 456k
2
0
-2
South Australia
Annual growth rate: 0.9%
Total population: 1.8m
420
8
6
4
2
0
Victoria
Annual growth rate: 0.6%
Total population: 6.6m
30
20
10
0
-10
-20
420
Tasmania
Annual growth rate: 0.7%
Total population: 571k
2
1
0
Map of Consciousness
overall MoC 420

Melville Island
Gunn Point
Darwin
Christmas Island
Gulf
Carpentaria
Weipa
Cooktown
Cairns
Lake
Fitzroy
Hall'S Creek
Townsville
Tennant Creek
Port Hedland
Mount Isa
Hughenden
Great
Winton
Desert
Lake Mackay
Longreach
Rockhampton
Alice Springs
Gladstone
AUSTRALIA
Charleville
Meekatharra
Oodnadatta
Toowoomba
Brisbane
Mount Magnet
Lake Eyre (North)
Lismore
Armidale
Kalgoorlie
Woomera
Gairdner
Darling
Perth
Hawker
Dubbo
Great
Bunbury
Ravensthorpe
Australian
Sydney
Esperance
Port Lincoln
Canberra
Bight
Adelaide
Murray
Mount Gambier
Melbourne
Bass Strait

State & Territory		Capital	Population June 2024	Area Km^2	MoC
New South Wales	NSW	Sydney	8,511,151	800,150	415
Queensland	QLD	Brisbane	5,608,666	1,729,742	420
South Australia	SA	Adelaide	1,882,722	984,321	420
Tasmania	TAS	Hobart	575,959	68,401	420
Victoria	VIC	Melbourne	7,012,962	227,416	420
Western Australia	WA	Perth	2,981,752	2,527,013	415
Australian Capital Territory	ACT	Canberra	475,644	2,358	415
Northern Territory	NT	Darwin	255,559	1,347,791	415
Population June 2025		Total	27,000,000		420

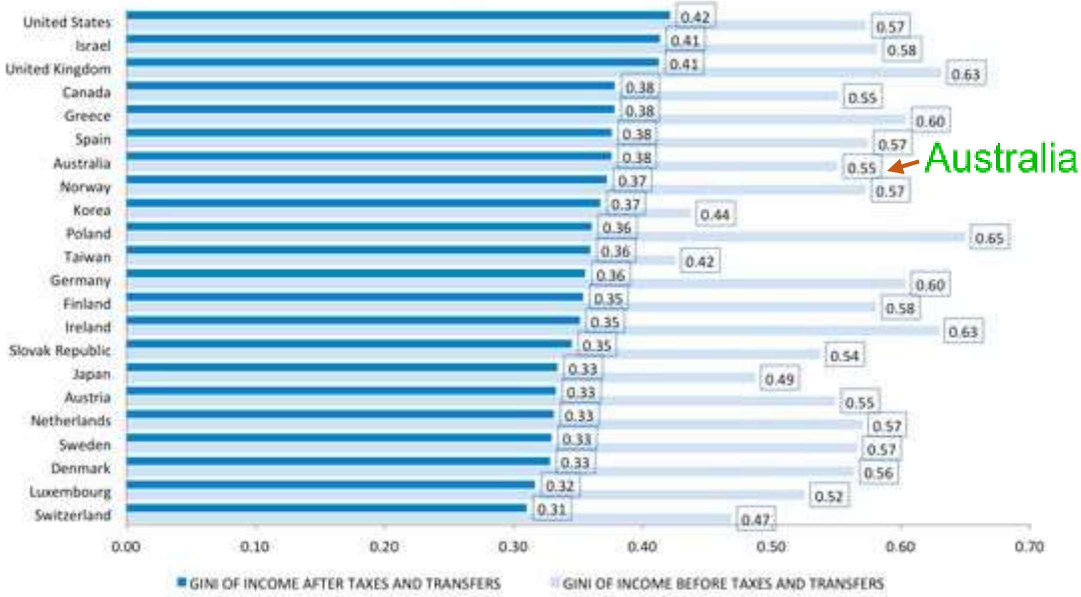
Rank	Significant urban area	State/territory	Population June 2024	MoC
1	**Melbourne**	Victoria	5,245,182	415
2	**Sydney**	New South Wales	5,143,256	410
3	**Brisbane**	Queensland	2,693,649	415
4	**Perth**	Western Australia	2,363,562	415
5	**Adelaide**	South Australia	1,449,366	420
6	Gold Coast–Tweed Heads	Queensland New South Wales	750,997	420
7	Newcastle–Maitland	New South Wales	534,033	415
8	**Canberra**–Queanbeyan	Australian Capital Territory New South Wales	510,641	415
9	Sunshine Coast	Queensland	417,982	415
10	Central Coast	New South Wales	351,237	400
11	Wollongong	New South Wales	318,258	420
12	Geelong	Victoria	308,915	420
13	**Hobart**	Tasmania	233,592	419
14	Townsville	Queensland	189,356	415
15	Cairns	Queensland	163,214	410
16	Toowoomba	Queensland	152,087	410
17	**Darwin**	Northern Territory	138,567	410


Darwin
Katherine
Wyndham
Halls Creek
Broome
Tennant Creek
Port Hedland
NORTHERN TERRITORY (NT)
Mt Isa
Cairns
Townsville
Mackay
Longreach
Rockhampton
WESTERN AUSTRALIA (WA)
Alice Springs
QUEENSLAND (QLD)
Carnarvon
Charleville
Brisbane
SOUTH AUSTRALIA (SA)
Coober Pedy
Geraldton
Kalgoorlie
Broken Hill
Port Augusta
Nyngan
Tamworth
NEW SOUTH WALES (NSW)
Dubbo
Port Macquarie
Perth
Newcastle
Esperance
Port Lincoln
Sydney
Adelaide
Hay
Wagga Wagga
Albany
Canberra
Mount Gambier
VICTORIA (VIC)
Warrnambool
Melbourne
Lakes Entrance
TASMANIA (TAS)
Launceston
Hobart

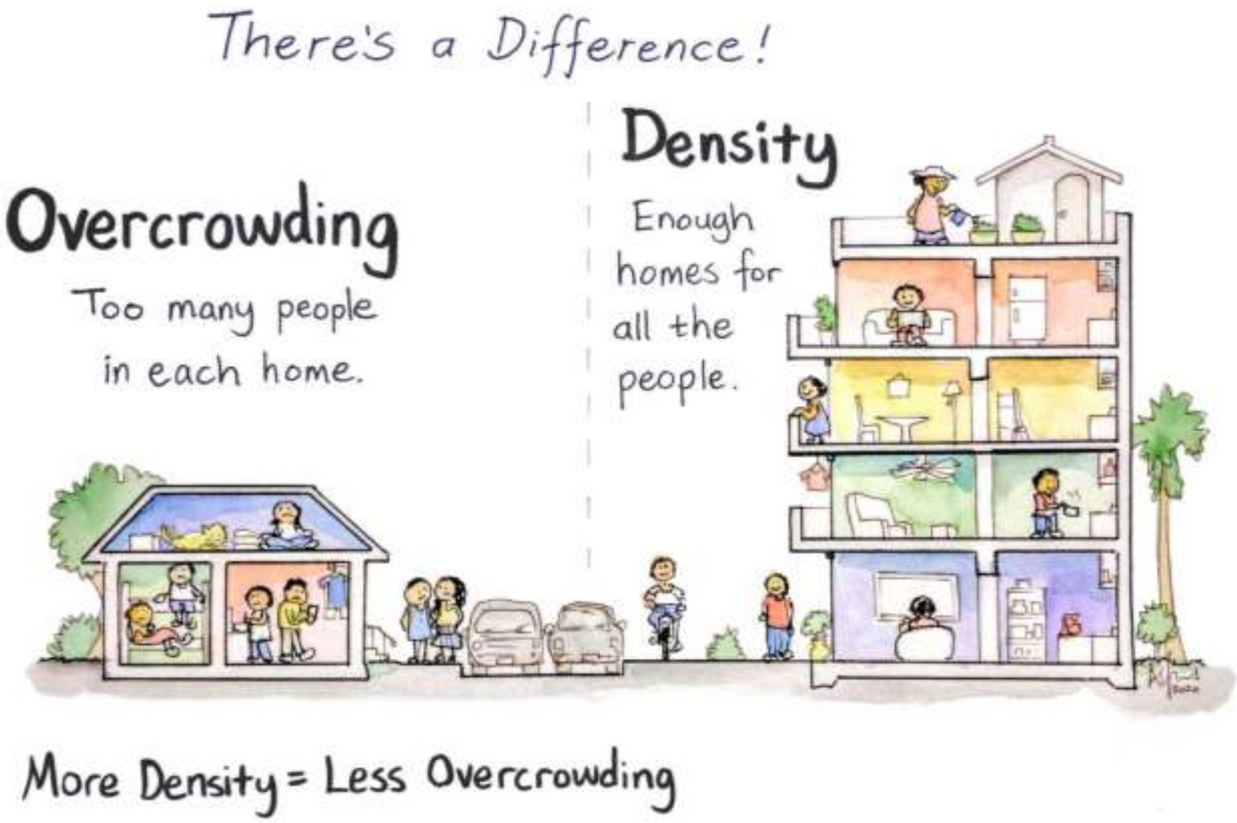

Indonesia
Banda Sea
Papua New Guinea
Arafura Sea
India
NT
Coral Sea
QLD
Australia
WA
SA
NSW
Great Australian Bight
VIC
Tasman
TAS

Income Inequality and Redistribution

The U.S. government does less than many other rich countries to reduce market-generated income inequality.



Source: Author's calculations, 2013, based on LIS microdata, most recent datasets available (early to mid-2000s)


There's a Difference!
Overcrowding
Too many people in each home.
Density
Enough homes for all the people.
More Density = Less Overcrowding

What are the top 10 cultures in Australia?

https://www.ncesc.com/geographic-faq/what-are-the-top-10-cultures-in-australia/

By Kathleen Klein_ 3 March 2025

Exploring the Top 10 Cultures in Australia: A Deep Dive

Defining “culture” can be complex, encompassing ancestry, ethnicity, religion, and shared traditions. When looking at the **top 10 cultures in Australia**, it’s important to understand we are referring to the most prevalent ancestries and cultural influences shaping Australian society today. While pinpointing exact rankings can vary depending on the data source (census vs. self-identification), we can confidently identify a core group of cultures that have profoundly influenced Australia’s national identity. Here are the top 10 cultures in Australia, considering both historical roots and contemporary presence:

1. **Australian (Anglo-Celtic):** This category reflects the **unique national identity** that has emerged in Australia, blending British and Irish heritage with influences from the land and other cultures. It’s often used by individuals whose families have been in Australia for multiple generations.

2. **English:** As the foundation of Australia’s colonial past, English culture remains a significant part of the nation’s heritage. This includes aspects like the **legal system, language, and many of the nation’s institutions**.

3. **Irish:** With a history closely intertwined with British colonialism in Australia, the Irish contribute a rich cultural tapestry characterised by music, storytelling, and a strong sense of community. Many Australians claim Irish ancestry.

4. **Scottish:** Another influential culture from the British Isles, Scottish heritage is seen in various aspects of Australian life, from **place names to traditions and values**.

5. **Chinese:** The **Chinese community in Australia** is one of the oldest and most established multicultural groups. Their influence is evident in food, festivals, and contributions across various sectors.

6. **Italian:** Italian culture has significantly shaped the Australian culinary landscape, with a strong influence on **food, family values, and the arts**. Italian migration has also left an indelible mark on Australia’s urban areas.

7. **German:** German culture arrived in Australia through early migration, bringing their traditions and values that have contributed to the country’s multicultural fabric. Their contribution extends across many areas, including **farming and industry**.

8. **Indian:** The Indian community has grown rapidly in recent decades, bringing with it rich traditions, **cuisine, and festivals**, contributing significantly to Australia’s cultural diversity.

9. **Greek:** Known for its **vibrant cultural traditions, cuisine, and strong family values**, the Greek community has made substantial contributions to Australian society.

10. **Aboriginal and Torres Strait Islander:** While often grouped together, these communities represent many distinct nations, each with their unique cultures and languages. They are the **first peoples of Australia**, and their ancient heritage is foundational to the country’s identity. It’s important to recognise the diversity and significance of Aboriginal and Torres Strait Islander cultures and avoid treating them as a single homogenous group. (Australia was inhabited more than 950,000 years by red skinned people who had died out.)

Understanding Australia's Cultural Mosaic

It is vital to acknowledge that the cultural landscape of Australia is dynamic and complex. The listed cultures have all contributed significantly, but many other communities add to Australia's multicultural richness. Furthermore, the concept of cultural identity is fluid, with many individuals identifying with multiple ancestries and traditions.

The Impact of Multiculturalism

Australia is renowned as one of the most successful multicultural societies globally. **Migration** has played a crucial role in shaping the nation's cultural identity. The arrival of people from diverse backgrounds has enriched Australia with a vast range of traditions, languages, cuisines, and perspectives. This diversity is considered a significant strength and is actively celebrated.

Shifting Demographics

Australia's demographics are constantly changing, influenced by migration patterns and evolving cultural identities. While **Anglo-Celtic** heritage remains prevalent, non-European ancestries are becoming increasingly significant. This diversification enriches Australian society, bringing fresh insights and promoting inclusivity.

Frequently Asked Questions (FAQs)

Here are 15 frequently asked questions to further explore the cultural landscape of Australia:

1. What is the main cultural influence in Australia?

The main cultural influence in Australia is Western, primarily derived from Britain, along with the unique input of **Aboriginal, Torres Strait Islander** and other migrant communities.

2. Is Australia a multicultural country?

Yes, Australia is considered one of the most successful multicultural societies in the world, with people from over **300 different ancestries** calling it home.

3. What are the most common ancestries in Australia?

The most commonly reported ancestries are **English and Australian**, followed by Irish, Scottish, and Chinese.

4. How many languages are spoken in Australia?

Collectively, Australians speak over **400 languages**, including many Aboriginal and Torres Strait Islander languages.

5. What is the largest ethnic group in Australia?

The largest ethnic group in Australia is of **British descent**, accounting for a significant portion of the population.

6. What are the main religions in Australia?

While **Christianity** remains the most prevalent religion, a large proportion of Australians identify as having no religion. Other significant religions include Islam, Hinduism and Buddhism.

7. How has immigration shaped Australia’s culture?

Immigration has significantly shaped Australian culture, introducing a vast array of traditions, languages and cuisines, making it a diverse and multicultural society.

8. What is considered Australian popular culture?

Australian popular culture encompasses areas such as **music, film, television and sport**, with rock’n’roll and television both having a strong influence since their arrival in the 1950s.

9. What are the main aspects of Aboriginal and Torres Strait Islander culture?

Aboriginal and Torres Strait Islander cultures are highly diverse, with unique languages, beliefs, practices, and spiritual connections to the land. They are the **first peoples of Australia** with a continuous culture for tens of thousands of years.

10. How many different faiths are practiced in Australia?

Australia is a secular country with over **120 different faiths** practiced, reflecting its diverse migrant population.

11. What is the role of the arts in Australian culture?

The arts play a significant role in Australian culture, encompassing literature, visual arts, performing arts, and music, and are crucial for celebrating cultural diversity and national identity.

12. How does Australia celebrate its cultural diversity?

Australia celebrates its cultural diversity through various festivals, events, and initiatives promoting inclusivity and recognising the contributions of different communities.

13. How do Aboriginal and Torres Strait Islander cultures differ from each other?

Aboriginal and Torres Strait Islander cultures are distinct from one another, with their own unique languages, customs, and traditional lands. Both have vast diversity within their groups.

14. What is the impact of technology on Australian culture?

Technology has significantly impacted Australian culture, influencing communication, entertainment, and the ways people connect and interact, just as it has globally.

15. How do subcultures form in Australia?

Subcultures form within larger Australian society based on shared interests, hobbies, music tastes, or ethnic affiliations, each adding complexity and diversity to the national culture.

By understanding the tapestry of cultures that make up Australia, we can appreciate its rich history and diverse society. The top 10 cultures outlined above have each contributed uniquely, and their continued evolution ensures a vibrant and dynamic future for Australia.

Why Australia is the world's most successful multicultural society

https://mckellinstitute.org.au/research/articles/why-australia-is-the-worlds-most-successful-multicultural-society/ Esther Rajadurai – Economist December

2018

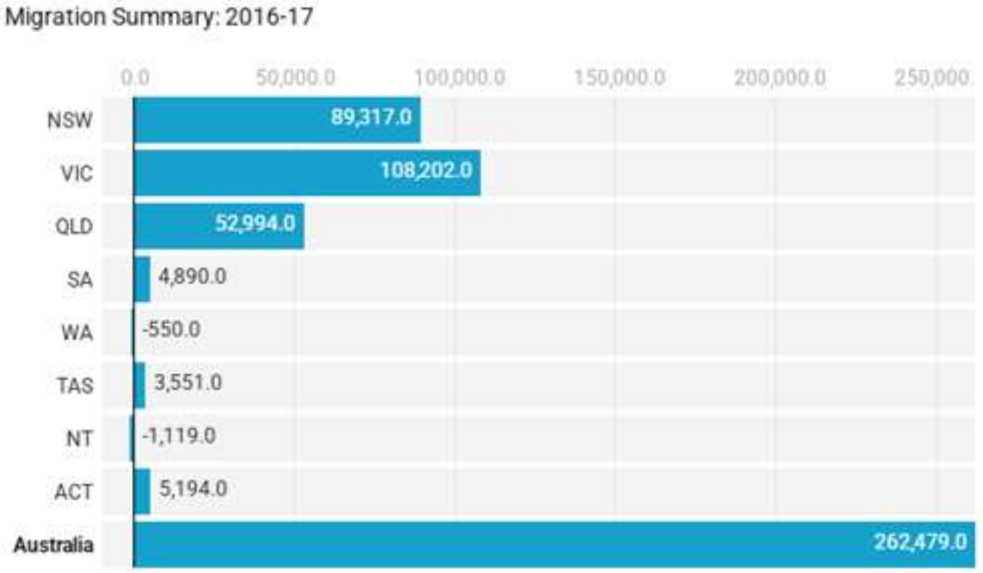
Key Points

1. Australia is one of the most multicultural societies on Earth.
2. Despite anti-immigrant rhetoric abroad and at home, most Australians still welcome multiculturalism
3. IMF estimates show that Australia's current migration program will add between 0.5-1 percentage points to annual GDP growth from 2020-2050 .
4. Immigration contributes significantly to Australia's economy. Income tax alone from recent immigrants topped more than AU$80 billion.

The path to a multicultural Australia

Over the past century, one of the most defining trends has been globalisation and the increasing migration associated with it. Multiculturalism has become a defining feature in many of the world's economies with Canada, the United Kingdom, the United States and South Africa examples of nations that have embraced a strong immigrant receiving tradition. Similarly, Australia has a robust tradition as a country built upon migration that continues to this day. In 2016-17, Australia demonstrated a net overseas migration gain of 262,500 persons, a rise of 27.3% compared to 2015-16.

In practice, empirical research suggests that multiculturalism is related to "immigrant assimilation, integration and adaptation, which impacts immigrants' success in their adopted countries". Evidence indicates that as a nation, Australia has truly embraced multiculturalism following an approach of integration between the different ethnicities and cultural groups where the dominant and minority groups are expected to respect each other's cultures.



For much of Australia's early history, its immigration policy was hampered by a racist view of the world that limited immigration to those who qualified under the White Australia Policy. It wasn't until the 1970s that Australia began embracing the virtues of a multicultural immigration policy – a largely bi-partisan policy that has enabled Australia's economy to become one of the world's strongest, and its society to become one of the world's most peaceful. Although there have been times in history where policies and incidents have not always fostered an open-minded approach to multiculturalism, today, Australia has made significant strides in creating an environment where immigrants from countries around the world can truly attain comfortable and satisfying living standards in the melting pot of Australian culture.

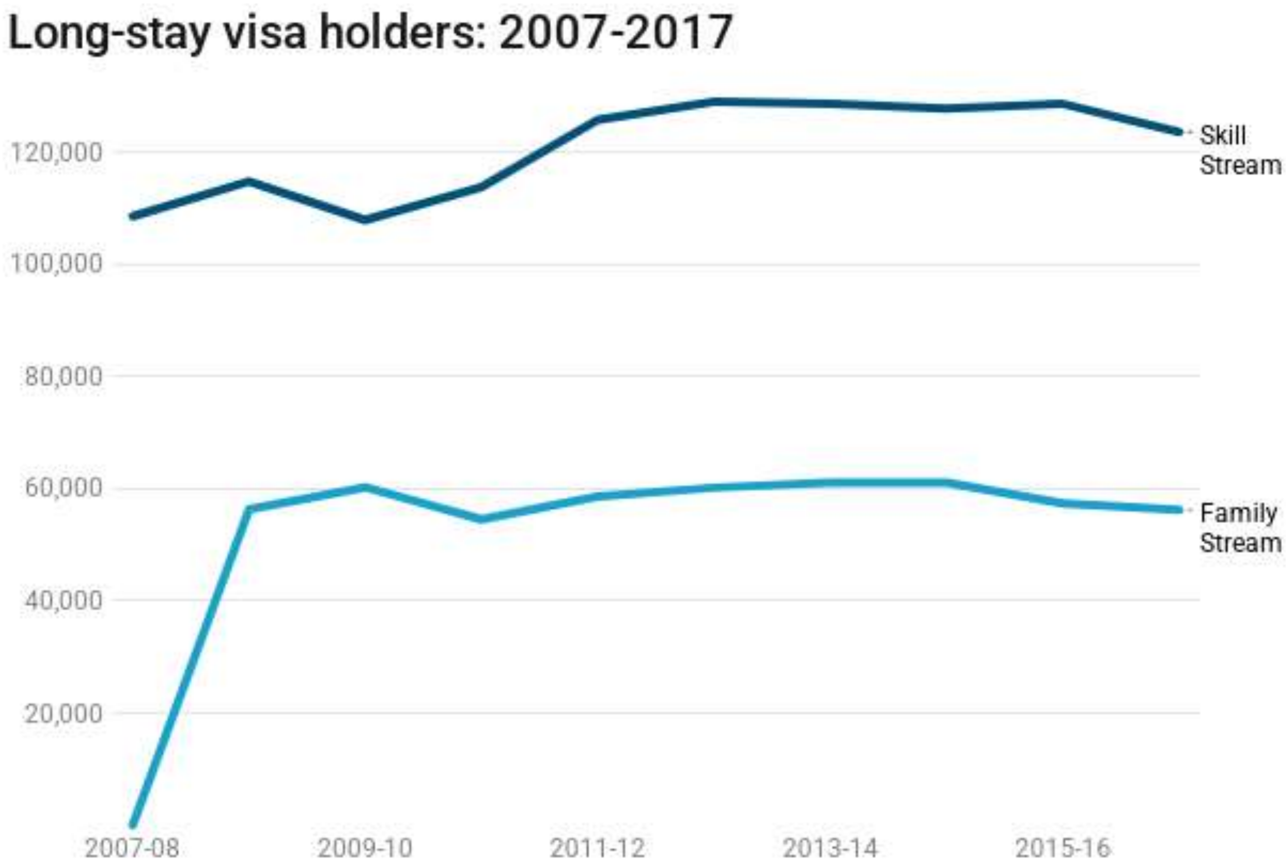
In 2016, the Scanlon Foundation's ninth 'Mapping Social Cohesion' survey came out and among other findings, it noted that 91% of the respondents indicated a 'sense of belonging in Australia' to a great or moderate extent with 89% of the diverse respondents agreeing that they 'take pride in the Australian way of life and culture'.

The success and acceptance of Australia's genuine multiculturalism has relied on immigration being accepted as a nation-building project which has underpinned the cultural generosity and diversity that characterises Australia's society and economy.

Measuring success

On a range of measures, Australia is a multicultural success story. On educational attainment, studies show that children of immigrants in Australia attain better average results than children of native-born Australians. This is significant because according to research conducted by the OECD, the successful integration of immigrant students is an important indicator of a country's success in its education system and equity and broader socially cohesive policies. A country that has positive outcomes in this sector shows that immigrants and their children have opportunities to grow and thrive and the variance in performance gaps between immigrant and non-immigrant students across countries, even after socio-economic status is adjusted for, illustrates the role that proactive education policy can play in a nation. The success in educational performance is mirrored in the broader economy of Australia as it attracts a significant proportion of skilled migrants annually who have a high labour market participation rate. In the year between 2016-17, skilled migrants accounted for 67.3% of the total migration program outcome that year. The net effect of a multiculturalism policy for Australia has been a brain gain for Australia and this is expected to continue growing.

In general, economic migration in Australia has been managed relatively successfully compared to other developed democracies. There have not been significant social and political upheavals and antiimmigration rhetoric has generally not been able to gain a successful footing in Australian public discourse.



In 2015, an estimated 28% of the Australian population was born overseas, the highest proportion since the end of the nineteenth century. This ranks Australia first among the rest of the OECD nations with populations over ten million. There is substantial evidence that Australia and Canada consistently rank as countries most receptive to immigration.

A survey conducted by Gallup World Poll between 2012-14 indicates that out of 142 countries, support for immigration was highest in the Oceania region (Australia and New Zealand), 69% followed by Northern America at 57%.

Attitudes towards multiculturalism

Since 2013, the Social Cohesion surveys conducted by the Scanlon Foundation have found a consistently positive attitude towards immigration among its respondents with 83-86 percent of responses indicating that multiculturalism has been good for Australia.
Migrants currently account for just over 50 percent of Australia's population growth. For the three decades of rising labour force participation leading to the early 2010s, there was a decline in labour participation with a significant cohort of the baby boomers reaching retirement. However, in this time, Australia's intake of skilled migrants and the broader cohort of migrants, have aided in filling this gap and thereby curbing the inevitable ageing of the population in Australia by boosting the labour force. Most immigration to Australia has resulted with a permanent move and citizenship in this country with close to 80 percent of immigrants with more than 10 years of residence choosing to take up Australian citizenship.

The most recent data available on citizenship shows the high rate of citizenship in Australia in the last year for immigrants compared to the rest of the OECD nations and the trend in citizenship conferrals in the past two decades.

The benefits of multiculturalism in Australia

1. Migrant intake from 2014-15 alone would provide a $10 billion boost to the budget over the next five decades.
2. Migrant taxpayers contributed $84 billion in total personal income in a year in 2014.
3. Education was Australia’s third largest export industry at $28.0 billion accounting for 7.5 percent of total exports contributed by international students.
4. Migrants attract capital inflows from their country of origin and had a $12.4 billion positive fiscal impact on the economy.

Research indicates that immigrants have played a vital role in generating business activity and driving economic growth in Australia leading to greater diversity in the labour force and positive benefits to the broader economy. The positive effects of economic migration are clearly pronounced among skilled migrants and have shown positive outcomes in four key areas: population, fiscal impact, productivity and innovation and immigrants’ employment and labour market outcomes.

These positive outcomes are especially pronounced in rural and regional areas which have historically faced severe challenges in ‘attracting and retaining workers to address labour market shortfalls ’.

Analysis conducted by the Treasury in the beginning of the year indicates that the migrant intake from 2014-15 alone would provide a AU$10 billion boost to the budget over the next five decades and this is just a small indication of the far-reaching economic benefits that migration has injected into Australia’s fiscal position.

The research further stated that migrants lift the economy, and give it a boost by up to one percent a year. The average migrant arriving since 1996 performed better than Australian-born employees, with positive spill-over effects on GDP and the living standards of all Australians.

IMF estimates show that Australia’s current migration program will add between 0.5-1 percentage points to annual GDP growth from 2020-2050.

Migrants actively contribute to growing the population of Australia and increasing consumption levels which result in increased GDP and economic growth. Additionally, migrants attract capital inflows from their country of origin into Australia with research indicating that in OECD countries, a 1 percent increase in the number of migrants can lead to an approximately 0.15 percent increase in capital inflows.

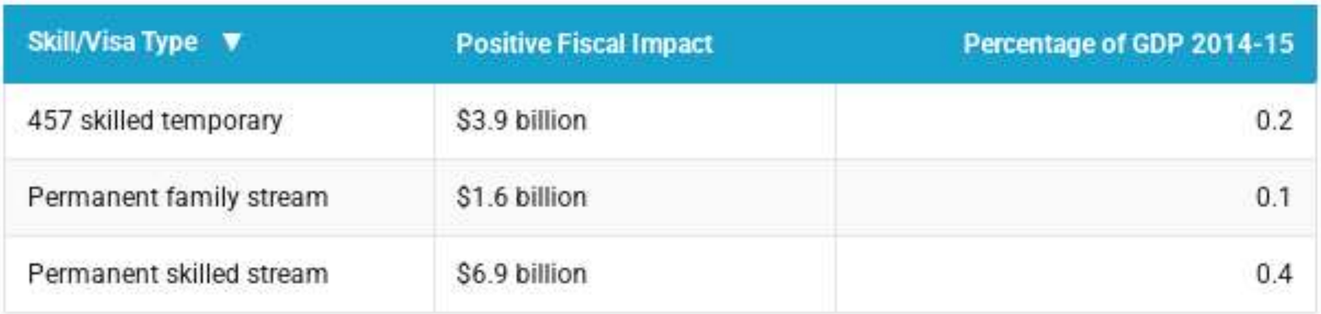
Further, higher levels of migration also show a positive correlation with lower spending per capita by the government on social services since migrants are predominantly of working age and therefore are more likely to contribute towards tax revenue than be dependent on social services. In the absence of migration, Australia’s workforce would be shrinking rapidly by 2020 affecting GDP and per capita growth significantly.

Empirical evidence estimates that migrants accounted for increased levels of labour productivity growth and knowledge sharing in Australia, in the years leading to the global financial crisis. The geographic mobility of labour helps to increase the spread of knowledge and diverse experiences among countries which lead to advancements in technology and innovation.

The increasing number of international students that Australia hosts for higher education have more than doubled in real terms over the past two decades and in 2016, education was Australia’s third largest export industry at AU$28.0 billion accounting for 7.5% of total exports . This is a vital contribution to Aggregate Demand and the levels of GDP production and economic growth in this nation.

Lifetime fiscal benefits of migrants to the economy

Positive Fiscal Impact of Migrants on the Economy



Skill/Visa Type ▼	Positive Fiscal Impact	Percentage of GDP 2014-15
457 skilled temporary	$3.9 billion	0.2
Permanent family stream	$1.6 billion	0.1
Permanent skilled stream	$6.9 billion	0.4

Analysis conducted by the Productivity Commission and Deloitte Access Economics illustrate the impact of one year’s migration intake, on the Commonwealth Budget in 2014-15 and extend it to the positive lifetime impact on the Australian economy. This would only multiply exponentially with the annual intake of migrants.

Migrants contribute significantly to the tax revenue of the government. They usually arrive in Australia at a time when their taxable income is at its highest and their use of government services like health, education and aged care is at its lowest.

According to the ABS, migrant taxpayers contributed AU$84 billion in total personal income in a year. This contributes directly to income tax revenue, GST and other types of state taxes.

Australia: the most successful multicultural nation in the world

The history of immigration and the multicultural policy in Australia has been a long journey of facilitating an environment where migrants can fully participate and add value to the economy.

Research clearly indicates the positive economic and social benefits of migration to society as it improves economic growth and strengthens the Government’s fiscal position through tax revenue and increased participation in the workforce.

Further, the changing demographic composition of Australia is largely indicative of the inevitable effects of an ageing population and migration allows the economy and society time to adjust and increase labour force participation rate, in order to sustain economic growth levels and provide for a society where the proportion of people working and delivering income tax revenue, is less than the number of people dependent on government social services.

It is also necessary that current economic and social policies address the growing needs of migrants in that they receive adequate social assistance and are successfully integrated into their respective communities in order to help better alleviate the stresses of migration and working in a new culture.

The Australia we currently live in has been shaped by decades of successive waves of migration and helped to strengthen the cultural, economic and ethnic diversity of our nation. Australian multiculturalism has always been a nation-building endeavour that has strengthened the national identity and has been committed to preserving and fostering the national identity and democracy of this nation. This significant cornerstone of the Australian economy must be preserved and nurtured in order to best provide for successful future generations.

Global Railway Construction Newsletter Q1 2023

https://compassinternational.net/railroad-engineering-construction-cost-benchmarks/

New & Refurbished High Speed Rail Track costs per Mile / Km, Traffic Control Systems, Signals, Freight Siding Cost Metrics, Detailed Design & Construction Management / Inspection historical benchmarks.

New Rail Road Costs:	**US$ Low Cost per Mile**	**US$ High Cost per Mile**	**US$ Low Cost per Km**	**US$ High Cost per Km**
High speed single track on new stone rail road stone bed	US$1,595,000	US$1,815,000	US$996,875	US$1,134,375
High speed single track on existing stone rail road stone bed	1,265,000	1,485,000	790,625	928,125
High speed double track on new stone rail road stone bed	**2,310,000**	**2,640,000**	**US$1,443,750** **AU$2,221,150**	**US$1,650,000** **AU$2,540,000**
High speed double track on existing stone rail road stone bed	2,200,000	2,530,000	1375000	1,581,250
Install a Centralized traffic control system - single track	247,500	302,500	154,685	189,065
Install a Centralized traffic control system - double track	357,500	412,500	223,450	257,825
Track Repairs / Improvements	$ Low Cost per Mile	$ High Cost per Mile	$ Low Cost per Km	$ High Cost per Km
25% replace timber railroad ties & stone	220,000	330,000	137,500	206,250
50% replace timber railroad ties & stone	330,000	440,000	206,250	275,000
75% replace timber railroad ties & stone	440,000	550,000	275,000	343,750
25% replace PCC railroad ties & stone	275,000	385,000	171,875	240,625
50% replace PCC railroad ties & stone	385,000	495,000	240,625	309,375
75% replace PCC railroad ties & stone	495,000	605,000	309,375	378,125

New Rail Road Costs:	**US$ Low Cost per Mile**	**US$ High Cost per Mile**	**US$ Low Cost per Km**	**US$ High Cost per Km**
Chain link fencing 8' high(includes both sides)	165,000	220,000	103,125	137,500
Individual Items	US$ Low Cost	US$ High Cost		
High speed turnout - Each	605,000	848,750		
Freight / Passenger siding 1 to 2.5 miles in length - Each	1,650,000	3,425,000		
Signals - Each	2,950	8,835		
Crossing barrier / gate - Each	11,000	22,500		
Road bed stone ballast 1" to 1.50" cost per ton (supply only) - Ton	30.25	42.25		
Rail 100 pound LF (supply only) - Lin Ft	33.15	39.25		

What Is Maglev?
Maglev is an advanced transport technology in which magnetic forces lift, propel, and guide a vehicle over a specially designed guideway. Utilising state-of-the art electric power and control systems, this configuration can reduce or eliminate the need for wheels and many other parts, thereby minimising mechanical friction and permitting excellent acceleration, with cruising speeds on the order of 300 mph (480 kilometres per hour) or more. Thus Maglev, if built on alignments that support its highest capabilities, would provide:

- Passenger comfort and convenience;
- Matchless centre-to-centre travel times for city-pairs in the 200-300 mile (320-480 kilometres) distance range–for example, about one hour between midtown Manhattan and downtown Boston; and
- Air-competitive trip times at longer trip distances than other high-speed ground transportation systems.

Capital Costs

For the currently available Maglev technologies, the initial capital cost–averaging some US$40 to US$100 million per mile (2005) for the most recently-estimated projects exceeds that of IHSR by a factor ranging from four-fold to nine-fold. Maglev’s unit capital costs surpass those of New HSR by lesser, but still significant, amounts, ranging from $11 to $19 million per mile (US$6.9 to US$12 million per kilometre) in recent studies. Thus, the Maglev technologies of today are the most expensive form of HSGT in terms of up-front investment.

How Much does a Maglev Train Cost – a Comprehensive Breakdown

https://ai.shareba.com/read-blog/908540_how-much-does-a-maglev-train-cost-a-comprehensive-breakdown.html#google_vignette
13 September 2024

Introduction to Maglev Trains

Maglev trains, short for magnetic levitation trains, represent one of the most advanced forms of rail transportation available today. By using powerful magnets, these trains levitate above the tracks, significantly reducing friction and allowing for higher speeds and smoother rides. While the technology has been available for several decades, the question of how much it costs to develop and operate maglev systems remains a pertinent topic for policymakers and investors alike.

The Cost of Constructing a Maglev Train System

Initial Investment

The initial construction costs of a maglev train system can be substantial compared to traditional rail systems. On average, building a maglev line can range from US$30 million to over US$100 million per mile (AU$46 to AU$154 million per mile or AU29 to AU$96 million per kilometre), depending on various factors such as geographical challenges, urban density, and the type of maglev technology employed.

Breakdown of Expenses

1. **Land Acquisition**: Securing land is often one of the most significant costs in any transportation project. In urban areas, land prices can be exorbitant, contributing significantly to the overall expenses.
2. **Infrastructure**: The construction of maglev tracks requires advanced engineering techniques. This includes elevated tracks, complex stations, and sometimes tunnelling. The use of high-quality materials designed to withstand the rigors of high-speed travel adds to the expense.
3. **Technology**: Different maglev technologies exist, such as electromagnetic suspension (EMS) and electrodynamic suspension (EDS). The choice of technology influences construction costs, as some systems require more sophisticated equipment and engineering expertise.

Example Projects

- **Tokyo's Maglev Line**: The Chuo Shinkansen maglev, which links Tokyo and Nagoya, reportedly costs about US$1 billion per mile (US$625 million per kilometre), reflecting the high standards of Japanese engineering and the complex urban environments it traverses.
- **Shanghai Maglev**: The Shanghai Maglev, the world\'s first commercial maglev line, was constructed at a cost of approximately US$40 million per kilometre (or about US$64 million per mile).

Operating Costs of Maglev Trains

Maintenance Expenses

Operating costs for maglev trains are less than traditional rail systems due to the lack of mechanical wear caused by friction. However, maintenance of the magnetic systems and rail infrastructure is still necessary. Regular inspections, software updates, and potential repairs can contribute to operational costs, which are generally estimated to be 20-30% lower than conventional high-speed trains.

Energy Costs

Energy expenditure for maglev trains can vary widely depending on the technology used and operational efficiency. Maglev systems often require less energy to maintain high speeds due to the reduced friction. On average, energy costs might represent about 30% of the total operating budget.

Staff and Operational Management

The workforce required to run maglev systems is similar to that of traditional trains, though the need for on-board personnel may be reduced due to automated systems. Including wages, benefits, and training, operational costs related to staffing need to be factored into the overall budget.

Economic Implications of Investing in Maglev Systems

Cost-Benefit Analysis

When considering the costs of maglev trains, it is crucial to analyse the long-term benefits they might offer. Maglev trains can drastically reduce travel times, leading to increased productivity and economic growth in connected regions. Moreover, they can potentially alleviate traffic congestion on roads and decrease the environmental impact associated with traditional transportation.

Return on Investment

Regions investing in maglev systems generally see a positive return on investment, provided that the infrastructure is well-planned and integrated with existing transportation networks. The long-term benefits, such as increased tourism, business development, and job creation, often offset the initial high construction costs.

Environmental Considerations

One major advantage of maglev trains is their environmental footprint. They produce significantly lower emissions compared to cars and airplanes, making them an attractive option for eco-conscious regions. The initial costs can be viewed as a necessary investment in sustainable transportation.

Conclusion

The question of how much a maglev train costs is complex, encompassing a range of factors including initial construction, ongoing operational expenses, and potential long-term economic benefits. While the upfront investment can be steep, the advantages in speed, sustainability, and efficiency make maglev systems a compelling option for modern transportation needs. As cities around the world seek to reduce congestion and environmental impact, maglev trains may very well play a pivotal role in the future of public transit.

Australia must return to nation building

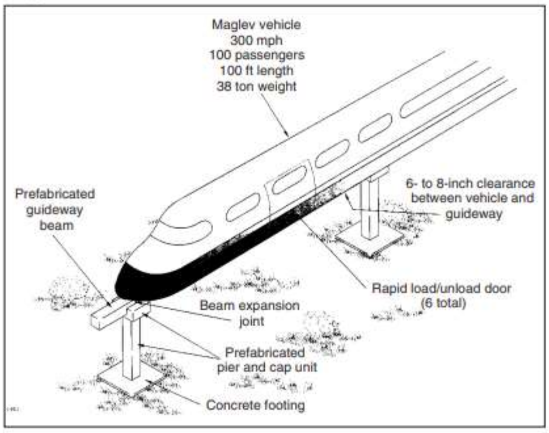
Maglev: Transport Mode for the 21st Century

https://www.ga.com/docs/transportation/Maglev-09-20.pdf Summer of 2003

Maglev operating costs will be only US 3 cents per passenger mile and US 7 cents per ton mile, compared to US 15 cents per passenger mile for airplanes, and US 30 cents per ton mile for inter-city trucks. Maglev guideways will last for 50 years or more with minimal maintenance, because there is no mechanical contact and wear, and because the vehicle loads are uniformly distributed, rather than concentrated at wheels. Similarly, Maglev vehicles will have much longer lifetimes than autos, trucks, and airplanes.

FIGURE 1

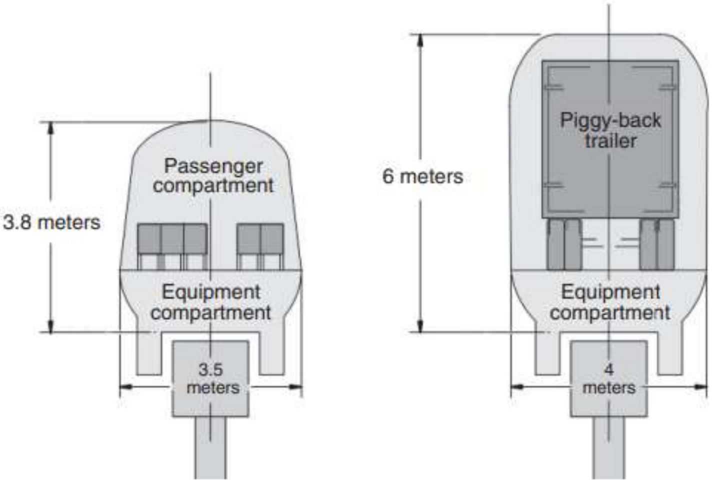
Maglev 2000 of Florida Vehicle Parameters


Maglev vehicle
300 mph
100 passengers
100 ft length
38 ton weight
Prefabricated guideway beam
6- to 8-inch clearance between vehicle and guideway
Rapid load/unload door (6 total)
Beam expansion joint
Prefabricated pier and cap unit
Concrete footing

An M-2000 vehicle on a prefabricated narrow-beam guideway.

FIGURE 2

Passenger and Freight Vehicles on the M-2000 Guideway


3.8 meters
Passenger compartment
Equipment compartment
3.5 meters
6 meters
Piggy-back trailer
Equipment compartment
4 meters

The schematic drawings show the relative size and configuration of Maglev-2000 passenger and freight vehicles.

A profile of high-speed railways

- A profile of high-speed railways Executive Summary.
- High-speed trains include those operating on ‘conventional’ track (at speeds of up to 225 km/h) and those operating on ‘dedicated high-speed’ track (at speeds of 250–350 km/h).
- While Japan, Italy and France have led on high-speed train technology, China now has the largest and most rapidly growing dedicated high-speed railway network.
- Dedicated high-speed rail has high up-front costs, with railways costing between AU$16m and AU$110m a kilometre and trains costing AU$30m–AU$40m.
- Construction costs can be especially high in urban areas, where housing has to be acquired and work undertaken to reduce the physical intrusion of the line and trains. These costs are much lower when land corridors have previously been safeguarded.
- Given the high construction and operating costs, high-speed services rely on attracting high patronage and revenue. As a rule they require at least 6–12 million passengers a year and so normally connect cities of well over 1 million population that are separated by travel times of less than 3 hours.
- High-speed trains, where successful, take passengers away from air, car and coach modes. This mode shift depends on competitive fares, reasonable transit times, high reliability and services that suit traveller needs. If fares are sufficiently low, high-speed rail can also generate new travel demand.
- A well patronised high-speed rail service has lower ongoing energy and greenhouse emissions than aircraft and similar emissions to car travel.
- The high upfront cost of dedicated high-speed rail means it characteristically requires government support for construction and, in all but the most favourable circumstances, ongoing government financial support.
- Australian experience with high-speed rail suggests:
    - conventional track services have been uncompetitive as they failed to realise maximum speeds due to poor track quality and sharing capacity with slower trains.
    - current demand between potential city pairs is well below the minimum needed to provide a viable dedicated high-speed rail service.
- There is no single definition of high-speed trains. Definitions include trains running
    - at speeds of up to 225 km/h on ‘conventional’ track.
    - at 250 km/h or more on ‘dedicated high-speed’ track.
    - on unconventional track — such as the Maglev [magnetic levitation] on concrete guideways.

Most of the services and track are primarily or exclusively for passenger trains.

Stations

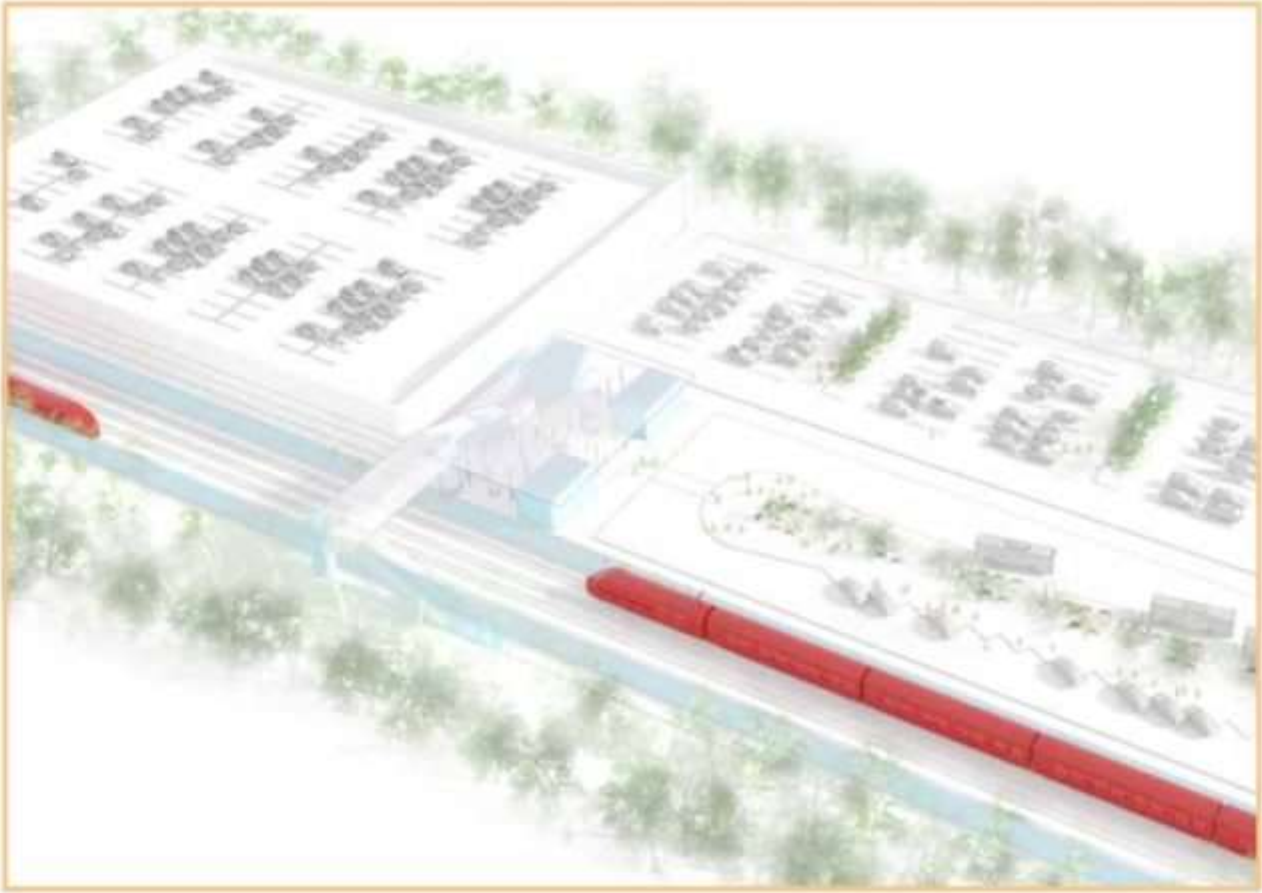
https://hotrails.net/resources/cost-estimates/
https://hotrails.net/2014/09/stations/
Edwin September 8, 2014 Cost

AECOM is the world's trusted infrastructure consulting firm, partnering with clients to solve the world's most complex challenges and build legacies for generations to come.

AECOM13 manages to spend AU$7.1 billion on new and unnecessarily expensive stations (indeed, compare this cost to the actual track, at only AU$6.6 billion). This post demonstrates that this cost is excessive by comparison to contemporary examples, and proposes a more realistic and affordable estimate.

The Hot Rails strategy, in line with the overall strategy of re-using the existing infrastructure and facilitating regional development, is to prioritise access to existing country stations wherever this is practical. The benefit of this is two-fold; obviously it is far cheaper than building greenfield sites, but it also reduces dependence on cars and other supporting travel modes where existing stations are located within town centres, rather than brand new sites out on the periphery of town.

Regional stations



Regional station concept from AECOM13 report, chapter 5.

AECOM13 assumes regional stations will cost AU$70 million *each*. Unfortunately the report itself does not describe these proposed stations in any great detail, only including a very basic concept image (above) and not even any estimate of floor area. However, we can estimate their assumed floor area from the estimated power consumption of 500MWh per year. Based on AECOM's assumption of .056MWh per square metre, it implies the regional stations are (500/.056) = almost 9,000 square metres. I don't know about you, but that little glass-roofed, open-air station building in the concept image doesn't look like two-and-a-bit acres of floor area.

At any rate, the idea that the railway needs sleek, modern, architecturally designed wonders is a large part of the problem. Hot Rails proposes to greatly reduce the cost of stations by utilising less extravagant designs, and re-using existing stations wherever possible.

OK – what's the bare minimum we need at a regional station?

- One platform for each line (ie dual track needs 2 platforms) – say, $250,000 per platform.
- A building containing amenities, ticket sales and station services – say, $1,000,000
- Shelter on each platform – but not necessarily over the entire length – say, $250,000
- Pedestrian over- or under-pass to access both platforms – say, $500,000
- Steel-pallisade security fencing around entire station precinct – say, 1km of fence, = $100,000
- A halfway-decent paint job – say, $150,000
- TOTAL – $2.5m for a basic, greenfield station.

Additional items might include:

- Upgraded parking facilities (ie, sealed carpark)
- Upgraded lighting / security cameras
- Passenger gates to ensure only ticketed passengers access platform (depends on ticketing strategy)

Many of the proposed Hot Rails stations are at existing historical town stations that have community groups dedicated to their upkeep, so that should be able to offset some of the cost, especially for things like painting and minor carpentry.

Many existing stations can be re-used with minor renovations, such as Wagga Wagga Station in NSW

Recent examples

It is difficult to find accurate estimates of cost, since as with so many things in this study, the actual cost is so highly dependent on the specific details of a project. However we can gain some broad estimates by looking at some real-world examples.

- Williams Landing railway station on the Melbourne metro network was completed in 2013 at a cost of $86 million. This greenfield and architecturally extravagant station, including 2 platforms and 3 tracks, can be considered an upper limit for any reasonable circumstances.
- Wayville Railway Station in Adelaide was built at a cost of $16.5m in 2014 to service the Royal Adelaide Showgrounds. Its 3 plaforms are completely undercover, and while not as extravagant

as the Williams Landing example, the pedestrial overpass still has unnecessary architectural flourishes.
- Oaklands Railway Station, also on the Seaford Line in Adelaide, was demolished and rebuilt in 2009 at a cost of $6.79 million. The split-platform station has architectural shelters and a 230-space car park; it is a good example of the kind of station that would be appropriate for Hot Rails – basic but modern with good amenities, and not necessarily needing permanent staff.
- Wendouree railway station, a somewhat more complex regional station in Ballarat, Victoria, was built new in 2009 at a cost of $18.7 million. The architecturally designed station included fully-enclosed waiting areas and a 200-space car park.
- The historic Perth Station was substantially renovated in 2014 at a cost of $11.5 million.
- Also in 2014, the smaller Ballarat Station was renovated at a cost of $1.25 million.

This gives us some idea of the range of cost we can reasonably expect. Major new stations can cost up to the high tens of millions, with $100m not exceeded even with the most extravagant of designs, although the low tens of millions is more typical. Minor new stations range from perhaps $5-$20 million. Renovations are obviously going to be highly variable, but major stations are in the range of $10 million, minor stations in the range of $1-5 million, possibly less for minor stations in reasonable condition already. For example Ballarat Station, while not a major metro station, is still a rather large regional station, so the renovation of minor country stations can be expected to be less expensive.

Station type	Description	Upgrade cost
Existing Metro	Already in use on a city transport system	$0
Operational	In use and well maintained	$0.5m
Partly operational	In use but buildings unused	$1m
Closed	Not in use but suitable buildings still exist	$2.5m
Greenfield	No existing or badly degraded structures only	$5m-$70m

Metropolitan stations

A huge cost in AECOM13 was the redevelopment of existing urban stations to accommodate high speed rail – the projected costs were $465 million for Melbourne Southern Cross, $638 million for Brisbane Roma St, $325 million for an all-new station in Canberra, and an incredible $1.16 billion for Sydney Central, most of which was going to go underground. Since there are already plans to bury Sydney Central, which are expected to turn a profit due to the sale of air rights above the railyards, this in particular seems a quite unnecessary cost.

AECOM13's assumed cost of new metro-periphery stations was $100 million (with the exception of a station in Sydney's northern suburbs, which was estimated at $153 million).

Regardless of the plausibility of such numbers, it is clear that new metropolitan stations or major renovations are a huge cost item, and utilising existing infrastructure is particularly important. Due to the lower-performance nature of the rollingstock envisioned by the Hot Rails strategy, it will be assumed that trains can utilise existing metropolitan stations with only minor modification.

Park-and-Ride

Since Hot Rails aims explicitly to create a commuter service, it is likely that some major regional centres will lend themselves to being park-and-ride facilities. AECOM13 gives the following estimates for the cost of car parking spaces

Car park type, Cost per parking space (AU$)		
	At grade,	AU$7,000
	Multi-stacked (above ground),	$26,000
	Multi-stacked (below ground),	$54,000

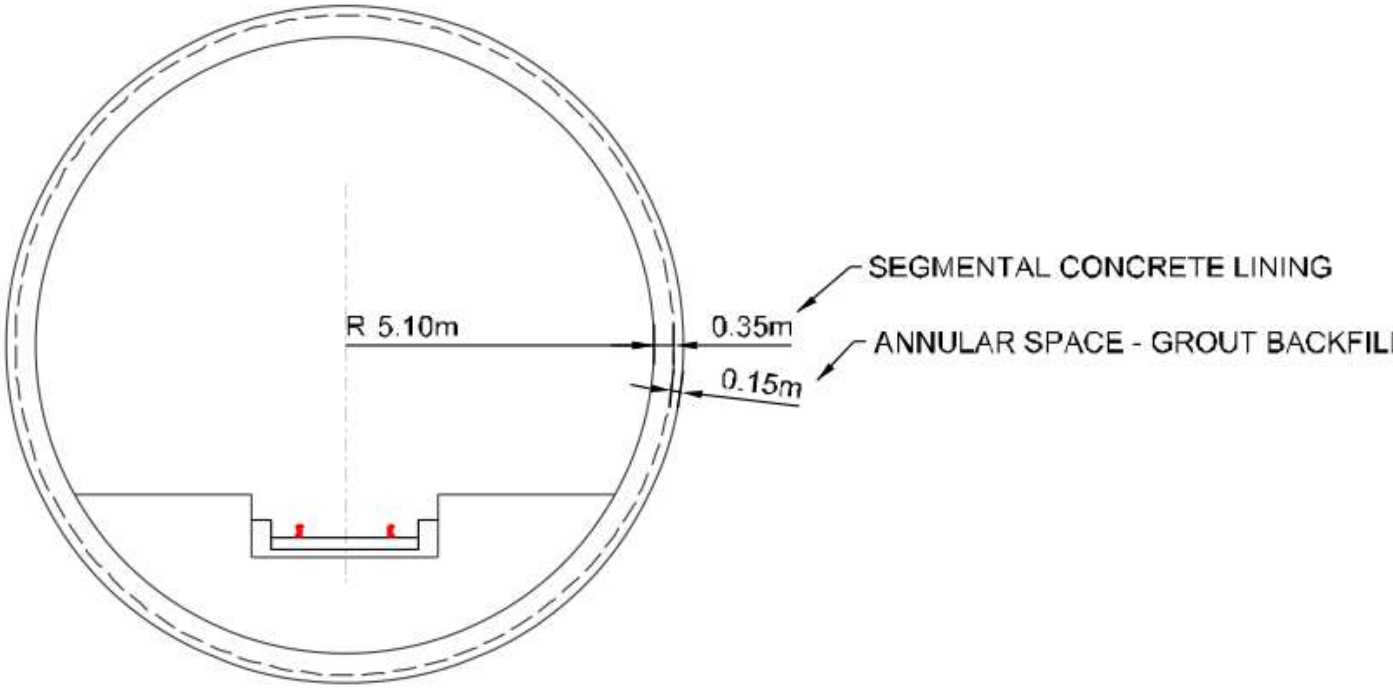
As for the typical number of parking spaces in a given car park, this is obviously highly variable. A small rural station might only require a few dozen spaces, while a major metropolitan centre might need thousands. To take a couple of widely different examples, Noarlunga, SA has a facility with 245 spaces, while at the other end of the spectrum Sydney Airport has over 12,000. The typical number of parks in any one facility seems to be in the low-to-mid hundreds. A small car park might have 100 spaces, a medium one might have 200-500 spaces, and a large centre might have 1000-2000 spaces. Mega-parks like Sydney Airport are not likely to be necessary in any one location.

Tunnels

https://hotrails.net/2014/07/tunnels/
Edwin July 29, 2014Cost

AECOM is the world’s trusted infrastructure consulting firm, partnering with clients to solve the world’s most complex challenges and build legacies for generations to come.

Underground transport infrastructure is extremely expensive, and usually comprises the bulk of expense for any high-speed railway through mountainous or rolling terrain. Nevertheless, there is reason to believe the estimate of $75 million per bore-kilometre used in AECOM13 is excessively high. In this post we will look at a range of Australian and international sources to arrive at a cost for tunnel construction with greater confidence.

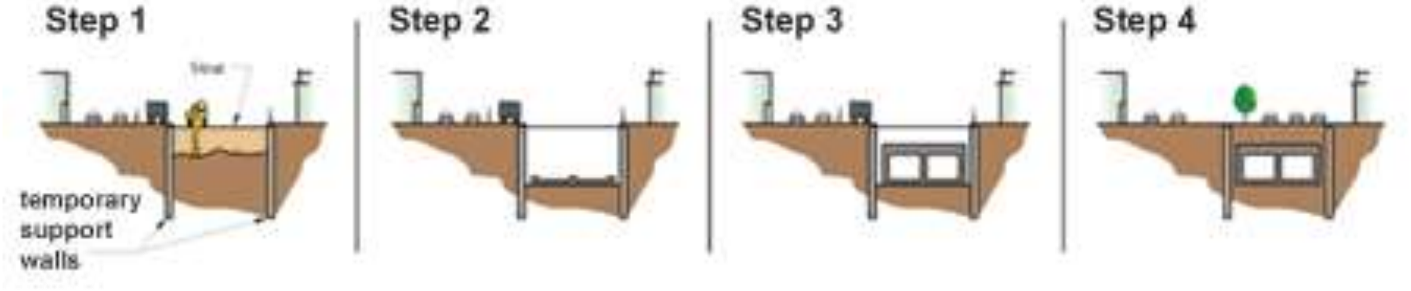


Typical tunnel section from AECOM13 study. Appendix 2B, pp17. Anybody else think you could fit three trains through there?

Tunnelling methods

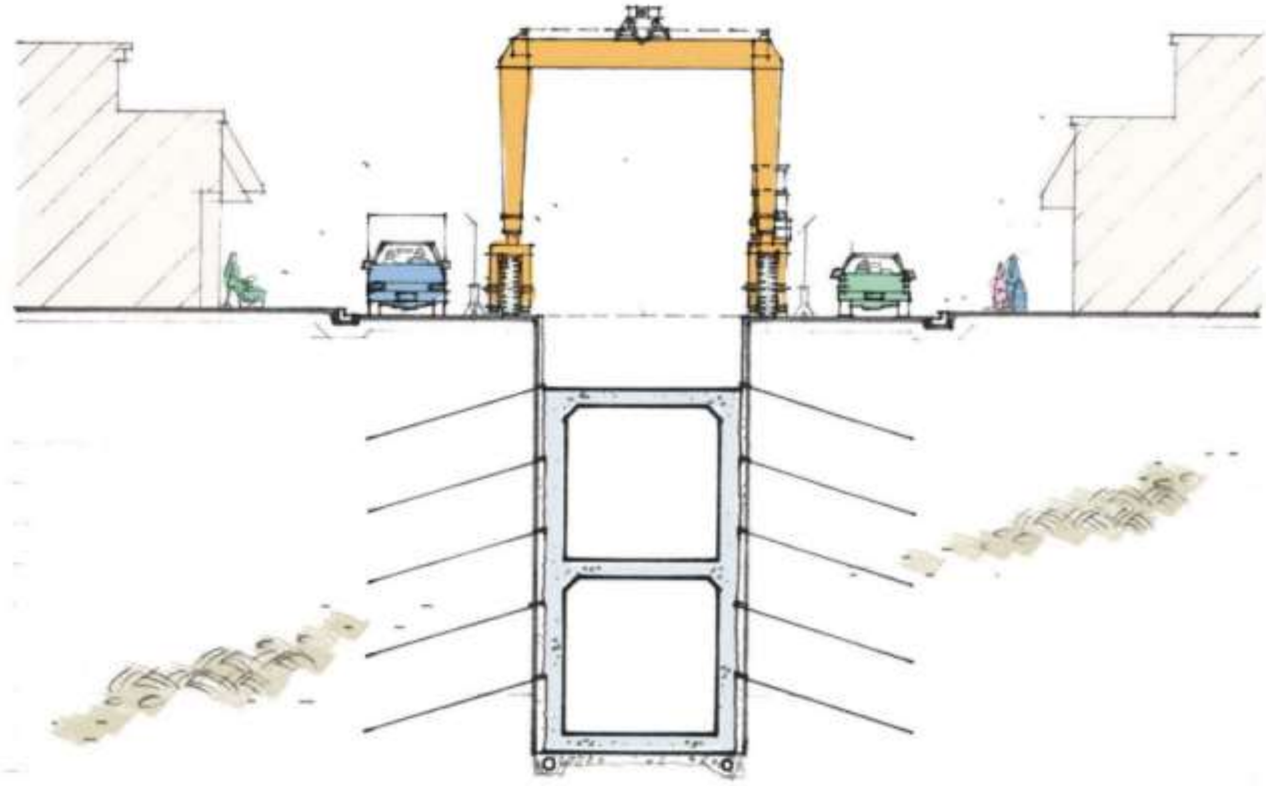
In modern infrastructure projects, two types of tunnelling are usually used:

- Cut and Cover – large trenches are dug by conventional earthmoving equipment, then the "tunnel" is built within the trench, usually of pre-cast concrete sections. The tunnel is then covered by earth or paving over the top. It is only possible for shallow tunnels. Typical depths are 8 to 12 metres below grade, although depths of up to 20m are not uncommon. The "immersed tube" system for underwater tunnels is similar, involving pre-cast sections laid on the ocean floor, waterproof membrane applied, and then pumped dry.



Cut and Cover tunnelling process. Source: http://www.fhwa.dot.gov/bridge/tunnel/pubs/nhi09010/05.cfm

The "Stacked cut-and-cover" method is similar, but with the tracks placed one above the other to minimise the width of excavation. This is useful in situations where there is limited room available for excavation, such as under city streets where it is desired to keep the street partially open during construction.



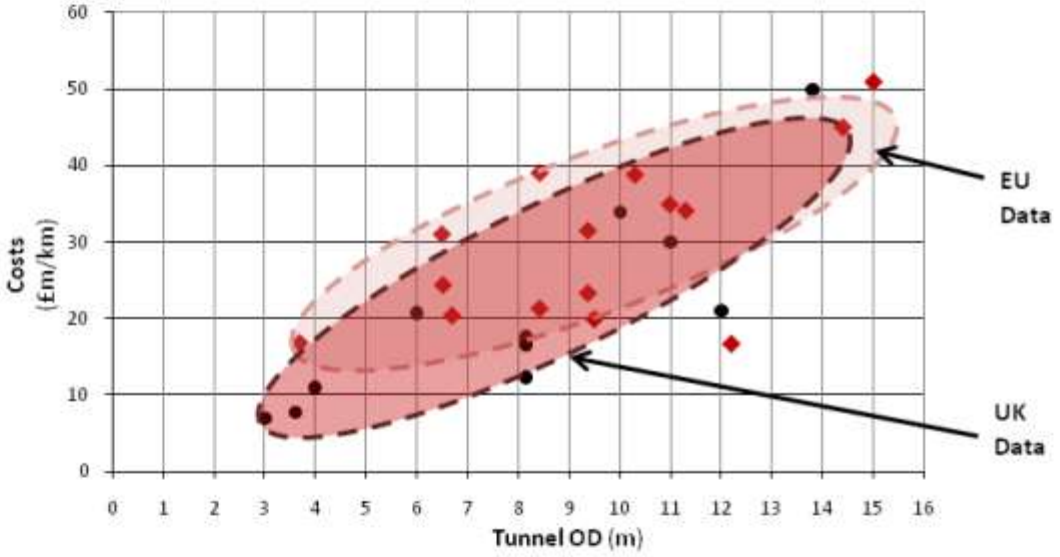
Stacked cut-and-cover method, showing how roads can remain open during tunnel construction. Image: Canada Line

- Deep Bore – For deep tunnels, cylindrical Tunnel Boring Machines are used to bore directly into the earth; there is no limit to either the depth or length of tunnel (although ventilation may place a practical limit on length). Typical depth is greater than two diameters below the surface, and practical diameters range from 1 to 20 metres. TBMs are also sometimes used for shallow tunnels, if the cost of demolishing existing development makes the cut-and-cover technique prohibitively expensive. TBMs have largely replaced the older "drill and blast" technique.

A 2012 survey by the Worcester Polytechnic Institute for AECOM aimed to quantify the cost of tunnelling projects in Australia compared to the rest of the world. It found a very wide range of tunnel costs in different regions. In 2011 Australian Dollars per linear metre of “typical” road or rail tunnel, they were:

- China: $22,695
- New Zealand: $43,413
- USA: $50,744
- Australia: $59,809
- Italy: $88,451
- UK: $135,063

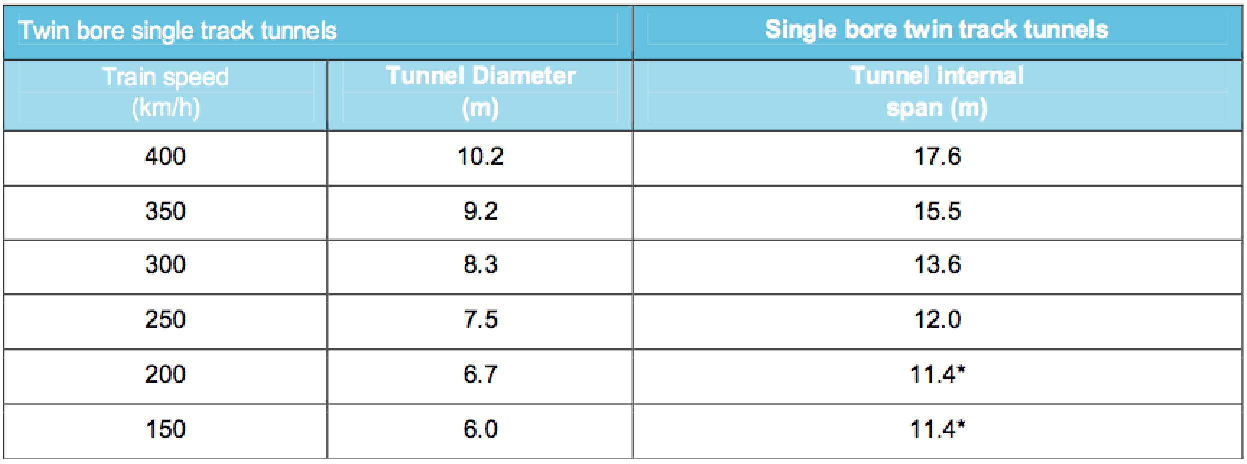
A 2010 report by the UK Government presented data for tunnel cost versus tunnel diameter, obtained from European sources and the British Tunnelling Society. The data follows an approximately linear trend, with visually estimated equation: Cost(million pounds per km) = 3.33*D (where diameter D is in metres). Assuming an exchange rate of 1.65£/AUD for 2010, this is about: Cost (million AUD per km) = 5.5*D. The same study also found a slightly negative trend for tunnel unit cost versus total length (although this did not consider tunnels shorter than 500m, which have lower safety, egress and ventilation requirements and are therefore cheaper).



Tunnel cost vs OD. Source: UK Government

Required tunnel dimensions and implied costs

High-speed rail requires a substantially larger tunnel size than normal rail due to aerodynamic considerations – the faster the design speed, the larger the cross-section required. AECOM13 provides a table of required tunnel dimensions for various design speeds. Note that these are internal diameters; AECOM13 assumes the lining thickness is 0.5m, thus OD will be 1m greater than indicated in the table below.



Twin bore single track tunnels		Single bore twin track tunnels
Train speed (km/h)	Tunnel Diameter (m)	Tunnel internal span (m)
400	10.2	17.6
350	9.2	15.5
300	8.3	13.6
250	7.5	12.0
200	6.7	11.4*
150	6.0	11.4*

*Required tunnel sizes (ID), * denotes minimum width due to size of trains.*

The UK Government report shows that the cost of tunnelling is strongly dependent on the outer diameter (OD) of the tunnel. In the Australian context, it may be preferable to use a dual-track tunnel, as service frequencies are likely to be low enough that trains passing each-other within the tunnel will be unlikely. Therefore, the larger cross-sectional area of dual-tunnel may be preferable to two smaller bores.

Using AECOM13's diameter requirements, but the UK Government's cost assumptions, we can estimate the tunnel cost, in million dollars per kilometre, for different design speeds.

Single track, dual bore (per bore):

- 150km/h: 38.5
- 200km/h: 42.4
- 250km/h: 46.8
- 300km/h: 51.2
- 350km/h: 56.1
- 400km/h: 61.6

Dual track, single bore:

- 150km/h: 68.2
- 200km/h: 68.2
- 250km/h: 71.5
- 300km/h: 80.3
- 350km/h: 90.8
- 400km/h: 101.8

So AECOM13's assumption of $75m/track-km was a little high, but only by about 25%, and the WPI report was almost bang-on with $59.8m/km. It also agrees well with the estimates from the VFT study of 1989, which ranged from $24m to $40m/km ($45m to $75m in 2013 dollars), though this was for dual track. If we halve AECOM13's excessive $27.7m/km "mark-up" cost (see justification here), we arrive at about the same number as WPI *and* the UK government, so the numbers presented above can be treated as high-confidence.

If we look simply at the tunnel itself, and eliminate track, overhead line, and signalling/comms, the cost drops by a further $5-6m/km. Short tunnels (<500m) do not require ventilation, fire protection or sophisticated lighting, resulting in a further $2m/km saving. Additionally, it is clear that the choice to adopt a design speed of 400km/h has greatly increased the required tunnel dimensions, and therefore the assumed cost of tunnelling. Reducing the design speed to a still-impressive 300km/h (allowing for substantial future upgrade from the Hot Rails assumption of 200km/h) will allow much more economical construction (a reduction of $10m/km for single track, or almost $22m/km for dual-track. Additionally, the assumptions for tunnel diameter may be generous; Austrian dual-track HSR tunnels are dug with an OD of 13m.

Cost for cut-and-cover tunnelling

It's difficult to find much data on this; it's so variable due to a whole lot of factors, not least of which is that you still have to disturb so much infrastructure on the surface when using this method. Proponents of deep-bore tunnelling claim that in many cases, cut and cover is actually more expensive (see e.g. this study by proponents of the New Austrian Tunnelling Method). However, there is evidence to suggest that, other things being equal, cut-and-cover is substantially cheaper than deep-bore. A study of various options for German metro construction found that cut-and-cover was typically about 30 to 45% cheaper than deep-bore methods.

Hot Rails will assume that cut-and-cover tunnelling costs 67% of a deep-bore tunnel designed for equivalent speed.

Conclusion

This investigation does not discredit the AECOM study's cost estimates, but it does highlight the danger of over-specification. The cost difference between a tunnel specified for 300km/h (the top speed of almost every HSR system in the world today) and one specified for 400km/h (which is not currently achieved in regular service anywhere in the world) is about $20 million per kilometre, for a "future-proofing" feature that may never be used, and the extra costs of which jeopardise the whole project.

Hot Rails will adopt a design speed of 300km/h, single-bore/dual-track. This gives a cross-sectional area greater than for 400km/h single-track tunnels, and thus is considered sufficient for higher speeds as long as low service frequencies (say, 4 per hour in either direction) allow scheduling to prevent simultaneous tunnel use. As noted above, this is the same configuration and tunnel size as used in the Austrian high-speed rail system.

Additionally, we will exclude track-specific costs (rails, slab, overhead line and signalling/comms, totalling $6m per track-km) – these will be calculated independently. AECOM13 design dimensions will be used, with UK government cost estimates. This is considered to give substantial built-in contingency, given that the UK has been at the high end of worldwide construction cost experience. Additionally, the "mark-up" cost of AECOM13 remains, but halved to a more reasonable $13m/km (18% rather than 36% of the total cost). The difference between short tunnels (<500m) and longer ones is not significant (~$2m/km), so they will not be treated differently.

- **Single track (per bore)**
    - 7.7m bore diameter
    - $42.4m/km, less ~$6m/km
    - **= $36m/km**
- **Dual Track**
    - 12.4m bore diameter
    - $68.2m/km, less ~$6m/km
    - **= $62m/km**

If you think I'm crazy to specify the tunnels to only 200km/h, or are doubtful that higher speeds will be safely achievable without larger diameter tunnels, apply the following cost multipliers according to your desired design speed:

- 250km/h: 1.05
- 300km/h: 1.175
- 350km/h: 1.33
- 400km/h: 1.50

HOUSING COSTS and AFFORDABILITY are the direct consequence of LAND COST

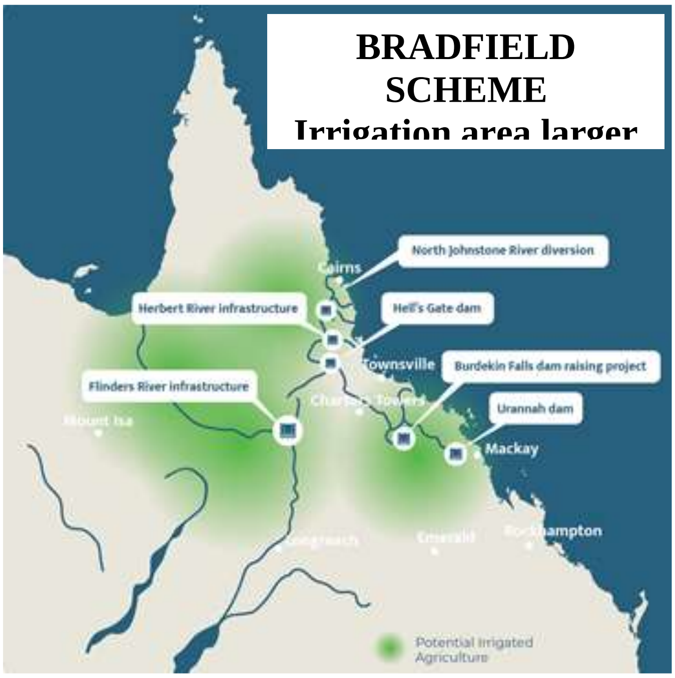
Large cities have their benefits, however the social cost is wealth for the few while the majority fall into disadvantage due to unaffordable housing costs.

Communities, being villages of 1,000 persons is the preferred module to raise a child.

Cities of 200,000 create the circumstances for all services and facilities to become viable and available.

Regional cities of 1,000,000 are the peak for optimising potentials for all aspirations of residents.

Now is the moment in history to reshape the society of Australia and it may begin with the implementation of high speed rail from Cairns through Brisbane, Sydney, Canberra, Melbourne, Adelaide to Whyalla with designated communities, cities and regional cities planned with the principal that new home building sites be pre-priced and speculation minimised. Home sites to be ready ahead of demand to maintain lower housing costs.


BRADFIELD
SCHEME
Irrigation area larger
North Johnstone River diversion
Cairns
Herbert River infrastructure
Hell's Gate dam
Townsville
Burdekin Falls dam raising project
Flinders River infrastructure
Mount Isa
Charters Towers
Urannah dam
Mackay
Longreach
Emerald
Rockhampton
Potential Irrigated Agriculture

To commence with, plan for immigration into Queensland over the short term to generate population growth of five million!

Five million new residents will gravitate to Queensland due to awareness unfolding that:

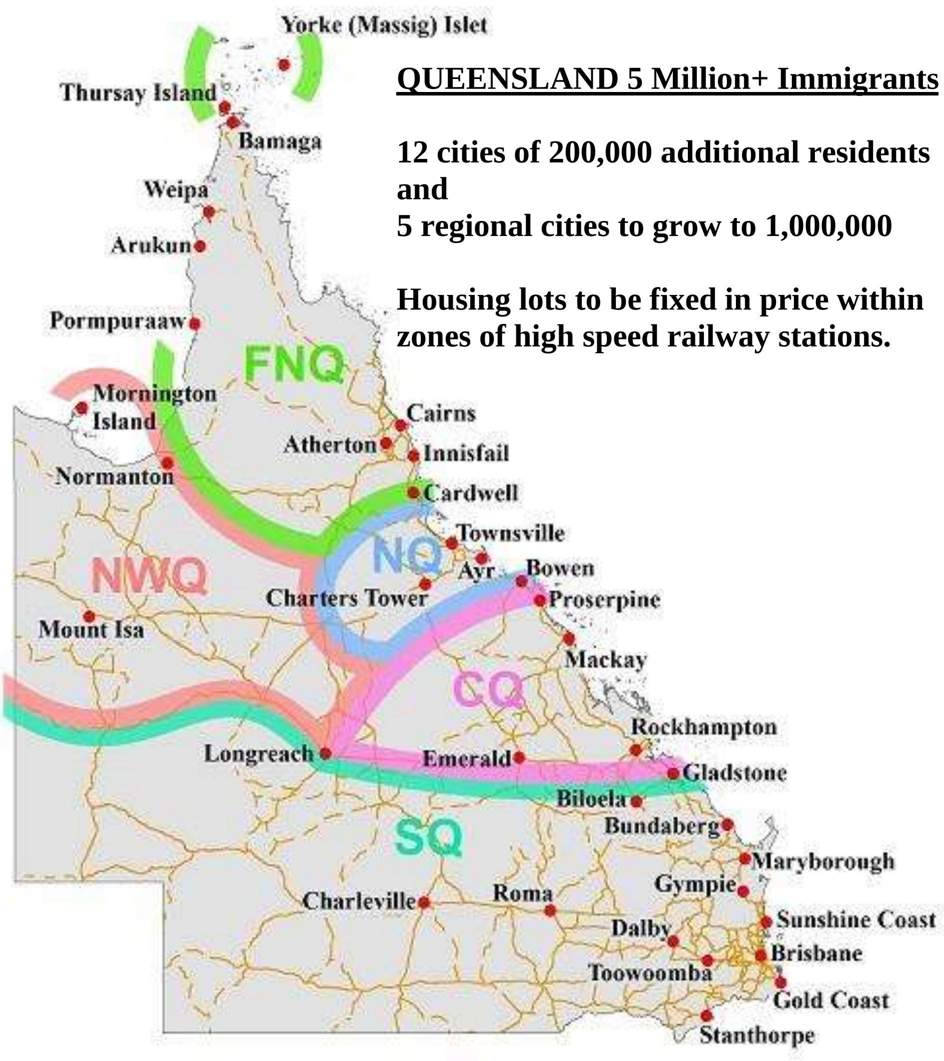
- Australia can manage pandemics.
- Australia is south of the equator and relatively secure from global conflict.
- Queensland is close to the equator and considered preferable as Earth changes unfold.
- Water and food security is being well managed.
- Leadership is stable and non-authoritarian.
- Stability and truth prevails.

Master planning and developing of core infrastructure early with industries and commerce to become integrated in a number of regional cities to mitigate the extreme pressures on Australia's major capital cities, will have stabilising benefits for all families, alleviating tensions that lead to family disruption and despair. Of the greatest infrastructure development is education and the resetting of the option to live through our feelings rather than the stagnation and errors of mind entrapment.

QUEENSLAND 5 Million+ Immigrants

12 cities of 200,000 additional residents and
5 regional cities to grow to 1,000,000

Housing lots to be fixed in price within zones of high speed railway stations.


Yorke (Massig) Islet
Thursay Island
Bamaga
Weipa
Arukun
Pormpuraaw
FNQ
Mornington Island
Normanton
Cairns
Atherton
Innisfail
Cardwell
Townsville
NQ
Ayr
Bowen
NWQ
Charters Tower
Proserpine
Mount Isa
Mackay
CQ
Rockhampton
Longreach
Emerald
Gladstone
Biloela
Bundaberg
SQ
Maryborough
Gympie
Charleville
Roma
Sunshine Coast
Dalby
Brisbane
Toowoomba
Gold Coast
Stanthorpe

High speed rail is a transportation form that opens the potential for regional small cities to evolve into commercially vibrant centres.

The potential of 600 km/h transport will expedite the populating of regional Queensland, drawing people from all nations to take comfort in the security that the state offers.

Generally, such infrastructure programs provide the developer to gain from the further development of land around the railway stations. To encourage rapid populating of the cities being provided with stations, consideration of moderate pricing of developable land will escalate populating.

This would be applicable for the full length of the high speed rail program, from Cairns to Whyalla. This would be massive infrastructure advancement for Australia with major innovative developments unfolding the full length of the transport system.

Amongst these social gains would be a significant supply of lower cost housing in these emerging rural cities. This would take pressure off of the capital cities and reset social platforms with a progressive shift of rent-pressure tenants relocating into these more affordable liveable regional centres.

To buffer the exponential rising cost of all forms of housing is the creation of multiple regional cities with building sites available ahead of demand. Further, no government is recognising the forthcoming mass migration that will be seeking refuge in Australia due to destabilising events now embracing humanity worldwide that will not abate for decades to come.

Australia must return to nation building

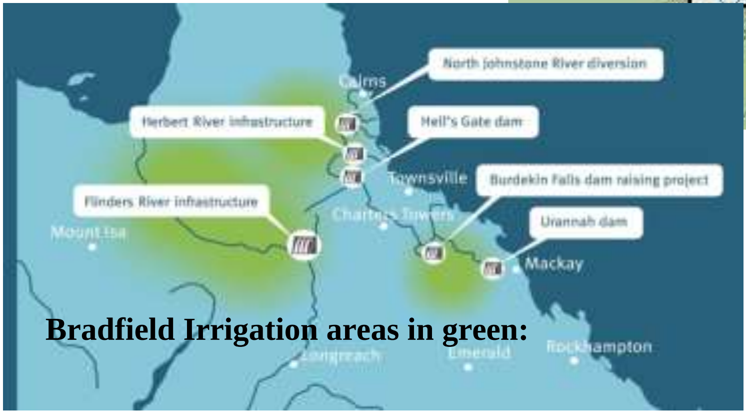
DUE to World Wide disturbance, immigration into Queensland may escalate like this:

	QUEENSLAND city populations	2016 Census		20 year Immigration	2040 Total
1	Brisbane	2,054,614	South East Queensland	500,000	2,554,614
2	Gold Coast	540,559	South East Queensland	300,000	840,559
3	Sunshine Coast	243,337	South East Queensland	500,000	743,337
4	Townsville	168,729	North Queensland	600,000	768,729
5	Cairns	144,730	Far North Queensland	600,000	744,730
6	Toowoomba	100,032	Darling Downs	200,000	300,032
7	Mackay	75,710	Central Queensland	400,000	375,710
8	Rockhampton	61,214	Central Queensland	400,000	561,214
9	Hervey Bay	52,073	Wide Bay-Burnett	300,000	352,073
10	Bundaberg	50,148	Wide Bay-Burnett	300,000	350,148
11	Gladstone	33,418	Central Queensland	300,000	333,418
12	Maryborough	22,206	Wide Bay-Burnett	200,000	222,206
			Atherton Table Lands	200,000	200,000
			Bradfield Irrigation Area	300,000	300,000
	Sub-total	3,546,770	North of Cairns	200,000	200,000
	Other regions	1,653,230	Other coastal zones	500,000	2,153,230
	Total 2022	**5,200,000**		**5,800,000**	**11,000,000**

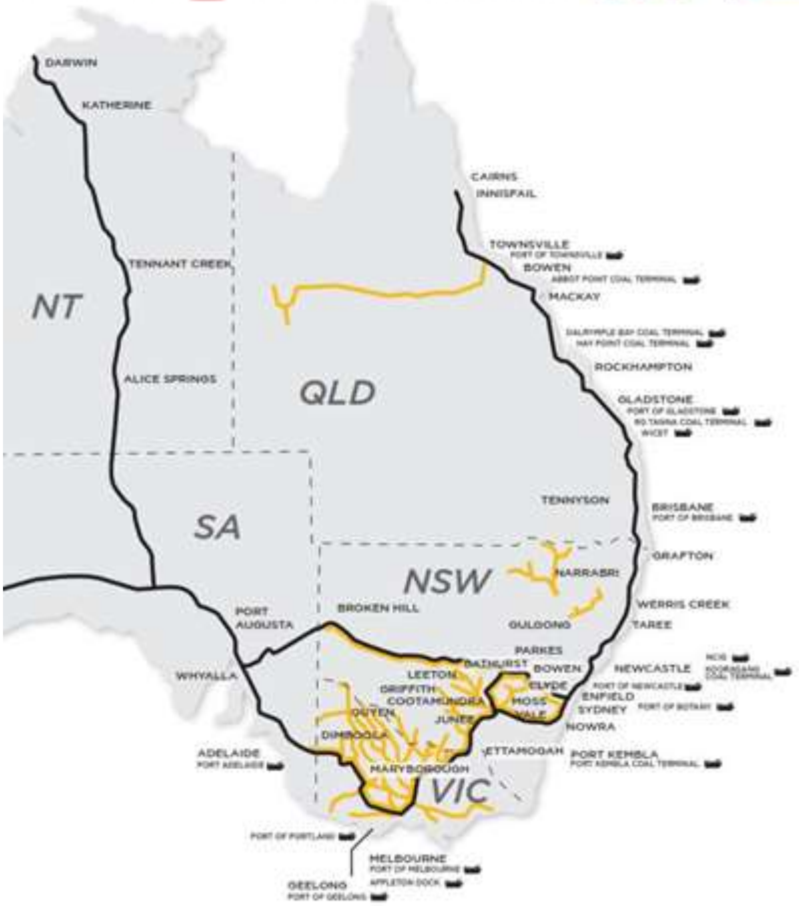
Land area:

Queensland	1.853 million km²
	population 5.2 million
Australia	7.692 million km²
	population 26 million
Ukraine	0.603 million km²
	population 44.1 million
Afghanistan	0.653 million km²
	population 39 million
India	3.287 million km²
	population 1.4 billion

Arafura Sea
Torres Strait
PAPUA NEW GUINEA
Cape York
Weipa
Cape York Peninsula
Cape Melville
Coral Sea
Gulf of Carpentaria
Cairns
Mt. Bartle Frere
Great
Barrier
Reef
Coral Sea Islands Territory
NORTHERN TERRITORY
Mount Isa
Flinders
Townsville
GREAT DIVIDING RANGE
Mackay
South Pacific Ocean
QUEENSLAND
Longreach
Rockhampton
Hervey Bay
Bundaberg
Fraser I.
Charleville
Maryborough
Cooper Creek
Toowoomba
BRISBANE
Ipswich
Southport
Barwon
NEW SOUTH WALES


North Johnstone River diversion
Cairns
Herbert River infrastructure
Hell's Gate dam
Townsville
Burdekin Falls dam raising project
Flinders River infrastructure
Charters Towers
Urannah dam
Mount Isa
Mackay
Longreach
Emerald
Rockhampton

Bradfield Irrigation areas in green:


DARWIN
KATHERINE
TENNANT CREEK
NT
ALICE SPRINGS
QLD
SA
NSW
VIC
CAIRNS
INNISFAIL
TOWNSVILLE
PORT OF TOWNSVILLE
BOWEN
ABBOT POINT COAL TERMINAL
MACKAY
DALRYMPLE BAY COAL TERMINAL
HAY POINT COAL TERMINAL
ROCKHAMPTON
GLADSTONE
PORT OF GLADSTONE
RG TANNA COAL TERMINAL
WICET
TENNYSON
BRISBANE
PORT OF BRISBANE
GRAFTON
NARRABRI
WERRIS CREEK
TAREE
GULGONG
PARKES
BATHURST
BOWEN
NEWCASTLE
NCIG
KOORAGANG COAL TERMINAL
PORT OF NEWCASTLE
CLYDE
ENFIELD
SYDNEY
PORT OF BOTANY
NOWRA
MOSS VALE
PORT KEMBLA
PORT KEMBLA COAL TERMINAL
ETTAMOGAH
BROKEN HILL
PORT AUGUSTA
WHYALLA
LEETON
GRIFFITH
COOTAMUNDRA
JUNEE
OUYEN
DIMBOOLA
MARYBOROUGH
ADELAIDE
PORT ADELAIDE
PORT OF PORTLAND
MELBOURNE
PORT OF MELBOURNE
APPLETON DOCK
GEELONG
PORT OF GEELONG

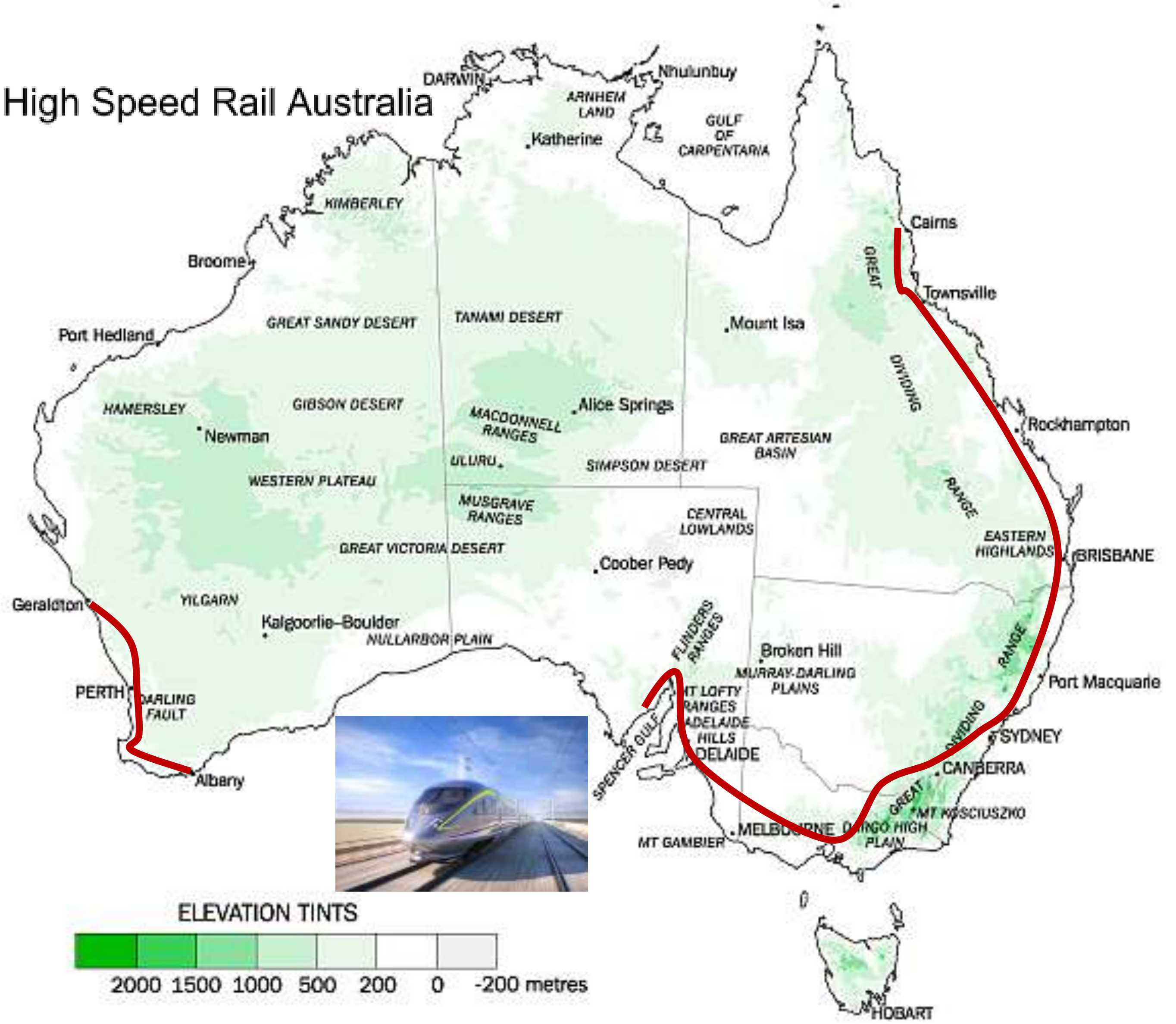
HIGH-SPEED RAIL:
Let's get Australia on board.
BRISBANE
SYDNEY
CANBERRA
MELBOURNE
THE GREENS

C1

Simultaneously with the announcement of high speed rail from Cairns to Whyalla as well as Geraldton to Albany, also commence the infrastructure planning and development of regional city expansion and new cities to accommodate more than ten million immigrants as well as resolving the low cost housing plight together with domestic violence accommodation and homelessness pathways by underpinning the land costs in these new and expanding regional cities.

This will also establish the centres for strategic industries and associated manufacturing to be all outside of the major city regions.

This is a twenty year new city plan for Australia – centred on the station hubs of the high speed train networks.


High Speed Rail Australia
DARWIN
Nhulunbuy
ARNHEM LAND
Katherine
GULF OF CARPENTARIA
KIMBERLEY
Cairns
GREAT
Broome
Townsville
GREAT SANDY DESERT
TANAMI DESERT
Mount Isa
Port Hedland
DIVIDING
HAMERSLEY
GIBSON DESERT
MACDONNELL RANGES
Alice Springs
Rockhampton
Newman
GREAT ARTESIAN BASIN
ULURU
SIMPSON DESERT
WESTERN PLATEAU
RANGE
MUSGRAVE RANGES
CENTRAL LOWLANDS
EASTERN HIGHLANDS
BRISBANE
GREAT VICTORIA DESERT
Coober Pedy
Geraldton
YILGARN
FLINDERS RANGES
Kalgoorlie-Boulder
NULLARBOR PLAIN
Broken Hill
RANGE
MURRAY-DARLING PLAINS
Port Macquarie
PERTH
DARLING FAULT
MT LOFTY RANGES
ADELAIDE HILLS
ADELAIDE
DIVIDING
SYDNEY
SPENCER GULF
CANBERRA
Albany
GREAT
MT KOSCIUSZKO
MELBOURNE
DINGO HIGH PLAIN
MT GAMBIER
HOBART
ELEVATION TINTS
2000 1500 1000 500 200 0 -200 metres

HIGH SPEED RAIL – Brisbane to Melbourne = MAGLEV,
balance high speed rail up to 300 kilometres an hour

			Population		Distance	
			2024	2050		
		Cairns	**163,000**			
		Innisfail				
		Ingham				
Cairns	**to**	**Townsville**	**190,000**		**345**	
		Ayr				
		Bowen				
Townsville	**to**	**Mackay**	**90,000**		**390**	
Mackay	**to**	**Rockhampton**	**83,000**		**340**	
		Gladstone	**48,000**			
		Bundaberg	**79,000**			
Rockhampton	**to**	**Hervey Bay**	**62,000**		**380**	**1,760**
		Maryborough	**29,000**			
		Gympie	**24,000**			
		Nambour				
Hervey Bay	**to**	**Caloundra**			**215**	
Sunshine Coast		**Maroochydore**	**417,000**			
		Caboolture				
Caloundra	**to**	**Brisbane**	**2,780,000**		**90**	
		Pimpama	**(new city of 100,000 to emerge)**			
Gold Coast		**Helensvale**				
Brisbane	**to**	**Robina**	**750,000**		**80**	
		Coolangatta				
		Murwillimbah				
Robina	**to**	**Lismore**	**28,000**		**120**	
		Evans Head	**10,000**			
		Grafton	**20,000**			**920**
Lismore	**to**	**Coffs Harbour**	**77,000**		**200**	
		Kempsey	**16,000**			
Coffs Harbour	**to**	**Port Macquarie**	**53,000**		**160**	
		Taree	**27,000**			
Port Macquarie	**to**	**Newcastle**	**540,000**		**200**	
		Gosford	**350,000**			
Newcastle	**to**	**Sydney**	**5,200,000**		**160**	
		Goulburn	**25,000**			
Sydney	**to**	**Canberra**	**510,000**		**290**	
		Albury	**105,000**			**950**
		Wangaratta	**20,000**			
Canberra	**to**	**Melbourne**	**5,300,000**		**660**	

		Melbourne	**5,300,000**		
		Geelong	**300,000**	**75**	
		Ballarat	**110,000**	**90**	
		Bendigo	**106,000**	**120**	
		Swan Hill	**10,000**	**190**	**725**
		Mildura	**35,000**	**220**	
		Renmark	**5,000**	**140**	
Melbourne	**to**	**Adelaide**	**1,500,000**	**260**	
		Port Augusta	**14,000**	**280**	
Adelaide	**to**	**Whyalla**	**22,000**	**65**	**345**
Perth	**to**	**Geraldton**	**42,000**	**370**	
		Perth	**2,400,000**		**790**
Perth	**to**	**Albany**	**33,000**	**420**	

Consider:

HIGHSPEED up to 300 kilometres per hour

High speed double track on new stone rail road stone bed			**AU$2,500,000 per kilometre**
Trains	**7 + 5 + 3 + 5**	**20**	**AU$30,000,000 each**
Stations		**35**	**AU$10,000,000 each**

Cairns	**to**	**Brisbane**	**Stations 18**	**1,760**	
Melbourne	**to**	**Adelaide**	**8**	**725**	
Adelaide	**to**	**Whyalla**	**3**	**345**	**3,620**
Geraldton	**to**	**Albany**	**6**	**790**	

HIGHSPEED Double Rail	**AU$9,050,000,000**
Trains	**600,000,000**
Stations	**350,000,000**
Other	**2,000,000,000**
Budget	**AU$12,000,000,000**

MAGLEV up to 600 kilometres per hour

MAGLEV double track			**AU$100,000,000 per kilometre**
Trains	**6 + 6**	**12**	**AU$50,000,000 each**
Stations		**18**	**AU$50,000,000 each**

Brisbane	**to**	**Sydney**	**Stations 13**	**920**	
Sydney	**to**	**Melbourne**	**5**	**950**	**1,870**

These segments either as HIGHSPEED or MAGLEVE Rail:

HIGHSPEED Double Rail	**AU$4,675,000,000**	**MAGLEV Rail**	**AU$187,000,000,000**
Trains	**600,000,000**	**Trains**	**600,000,000**
Stations	**900,000,000**	**Stations**	**900,000,000**
Other	**11,825,000,000**	**Other**	**11,500,000,000**
Budget	**AU$18,000,000,000**	**Budget**	**AU$200,000,000,000**

Where Aussie families are relocating – and it's not the city

https://www.realestate.com.au/news/where-aussie-families-are-relocating-and-its-not-the-city/

Samantha Healy, Property Journalist_ 13 May 2025

The great migration to regional Queensland continues, with new research showing that for every family moving out, 2.48 are moving in.

New insights from Muval's Family Relocation Report — based on over 41,000 family moves across Australia over the past six years — shows that regional Queensland recorded the highest inbound-to-outbound ratio in the country.

It found that Brisbane was both a key departure point and a driver of this regional boom, with one in four families leaving Greater Brisbane relocating to regional Queensland for more space and a slower pace of life, all while staying within reach of jobs and services.

But regional Queensland is also attracting families from further afield, including 22.3% from Greater Sydney and 21.9% from Greater Melbourne.

More families are leaving Sydney than moving in. Photo – iStock

Muval CEO and co-founder James Morrell said that affordability and liveability were key drivers,

“Regional Queensland offers the perfect blend of lifestyle and value,” Morrell said.

“Families are chasing space, beaches, and better living conditions, without the financial pressure of a big-city mortgage.

“We're seeing families make deliberate decisions — some are upgrading, others are downsizing — but the common goal is creating a better life.”

The Sunshine Coast alone is experiencing a massive influx, with 3.28 families arriving for every one that leaves, the analysis revealed.

The Sunshine Coast is the top destination. Photo – iStock

Bunbury in Western Australia came in second with an inbound-outbound ratio of 2.89, followed by Mandurah (WA) and Wide Bay (Qld) at 2.71.

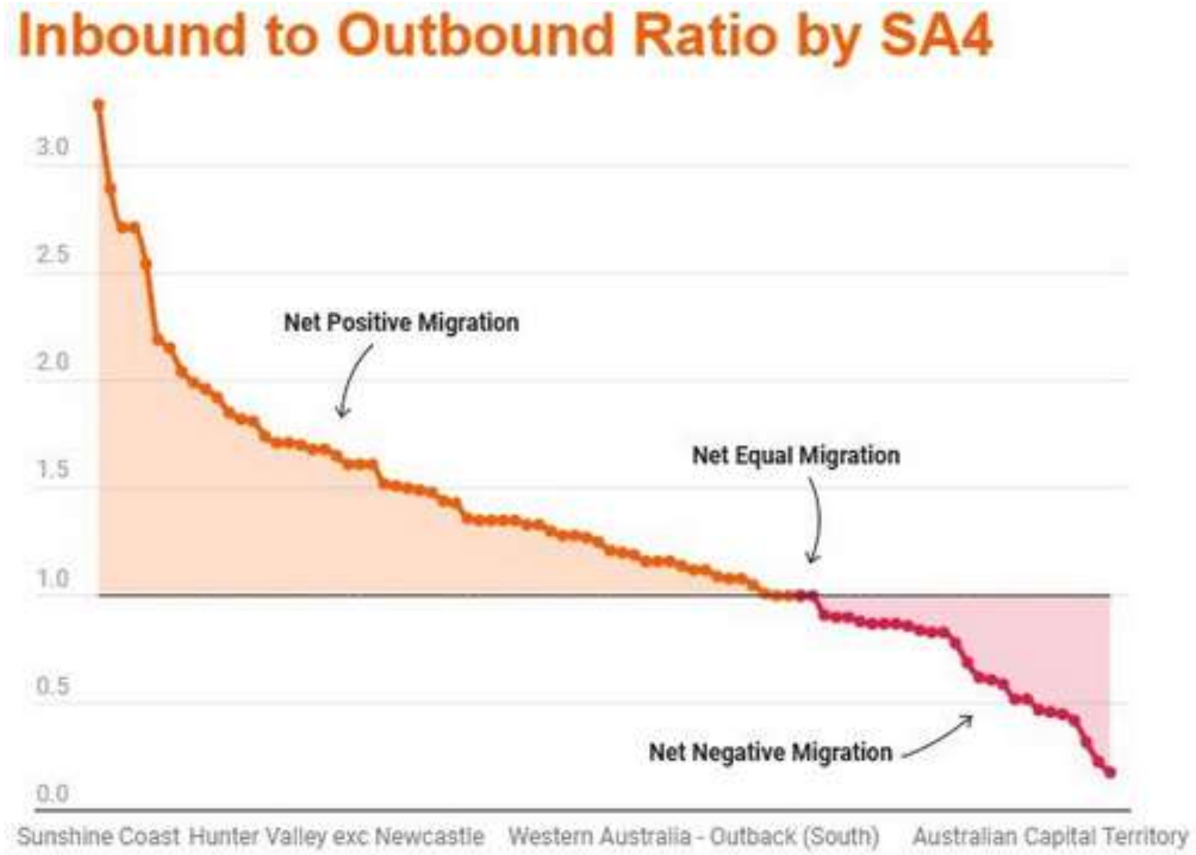
The regions with the highest net migration also included WA’s Wheat Belt (2.54), Cairns (2.19), South East Tasmania (2.15), Central Queensland (2.04), Gold Coast (1.99) and West and North West Tasmania (1.96).

This house in Bayview Heights, a suburb in Cairns, is listed for offers over $979,000

At the other end of the spectrum was Sydney City and Inner South with a net-negative family migration of 0.18, followed by Melbourne Inner (0.23), Sydney’s Eastern Suburbs (0.32), Parramatta (0.42) and Inner West (0.45).

“Greater Sydney has experienced the highest loss of families, with a ratio of just 0.31, meaning that for every family that moved in, more than three have moved out,” the report revealed.

"This may reflect the city's soaring cost of living, rising property prices, and a growing desire among families for more space and less congestion."



All of the regions where more families are moving out than moving in were in Sydney, Melbourne and the ACT.

The report also revealed trends in the types of homes families are choosing.

Family Relocation by GCCSA
Inbound to Outbound Ratio
0.2
1.3
2.5
+

Over 85% of moves are from one house to another, showing the traditional family home remains the goal.

"However, many are making financial trade-offs: one in four families are selling homes worth 20–50 per cent more than the property they're buying, and 13.9% are moving into smaller homes," the research revealed.

"Meanwhile, affordability pressures are driving major shifts in ownership: nearly 17% of families are going from owner-occupier to renter, while just 6.3% are moving in the opposite direction — a stark reminder of how tough homeownership is becoming for many."

The latest PRD 'Smart Moves: Regional Edition 2025' highlighted the top ten affordable regional markets on the Australian east coast, with three Queensland spots making the list.

PRD chief economist Diaswati Mardiasmo said the report looked at key criteria including affordability, rental yields and future projects to determine the **Cairns, Whitsundays** and **Southern Downs** regions were the best bets in Queensland. **These hotspots were almost 30% cheaper than Brisbane**.

Pocket-sized Newtown home will pack punch for buyer

Dubbo, Port Macquarie-Hastings and Shoalhaven in New South Wales, Bendigo, Greater Shepparton and Wodonga in Victoria, and Burnie in Tasmania also made the top 10 list.

Dr Mardiasmo said with property affordability reaching a new low at the end of last year, the dream of owning a home in a capital city was slipping away for many Australians. “The national Home Loan Affordability Index fell to just 20.0 points in the December quarter of 2024 – the weakest it’s been in more than a decade,” she said.

“Buyers are turning to regional locations with lower entry prices, better rental returns, and clear growth potential,” she said.

In addition to **Cairns, Whitsundays and Southern Downs**, the report flagged **Gladstone, Townsville, Mackay, Toowoomba, Ipswich, Bundaberg and Fraser Coast** as affordable Queensland regions, with median house prices up to 46% cheaper than Brisbane.

Morrell said that remote work flexibility has been the major driver behind the migration to regional areas.

“While affordability is clearly a key factor in family moves, our research also suggests that lifestyle and space are important,” he said.

“Families are seeking homes that better align with their needs — whether that’s more bedrooms, a backyard, or proximity to nature — which is influencing where they choose to relocate.”

For more, **Muval’s Family Relocation Report.**

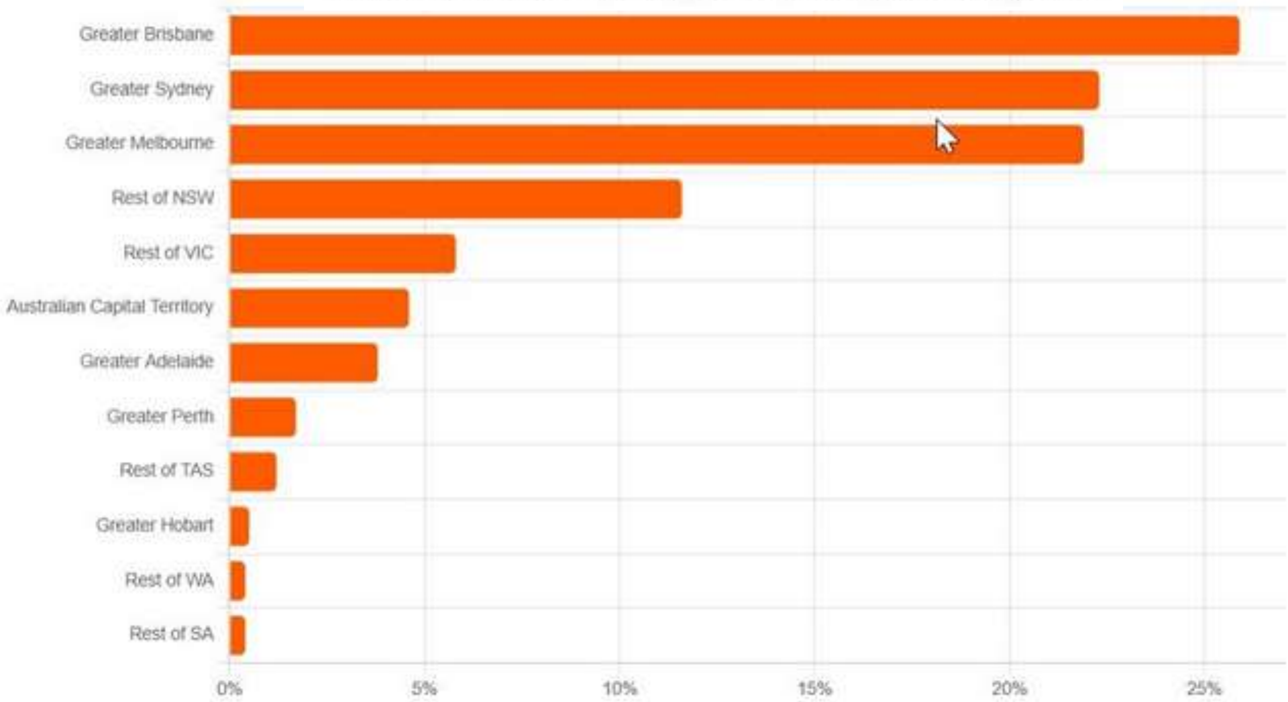
https://www.muval.com.au/family-relocation-report

Australia must return to nation building

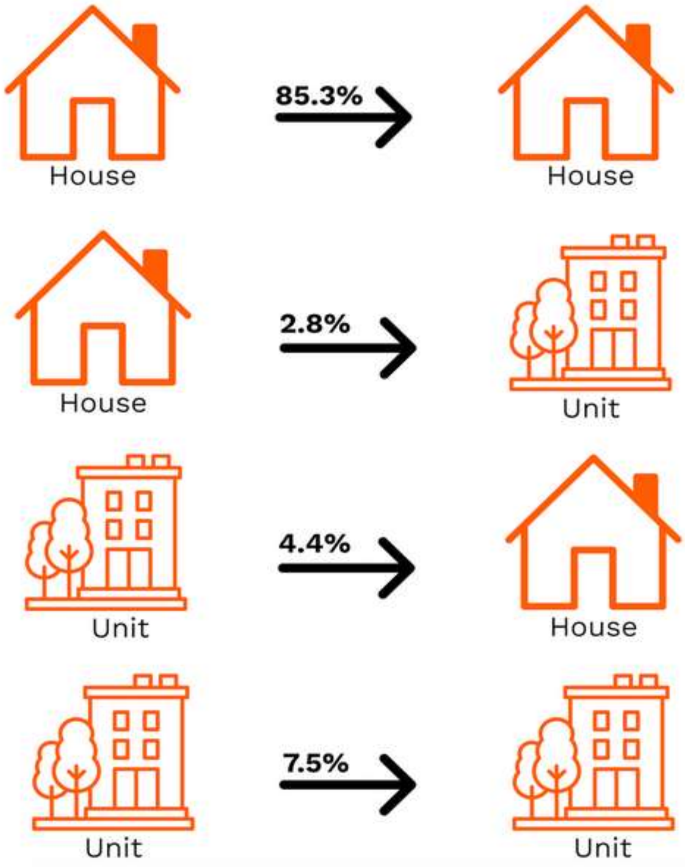
https://www.muval.com.au/family-relocation-report

RELATED: Affordable places to buy a home in Qld

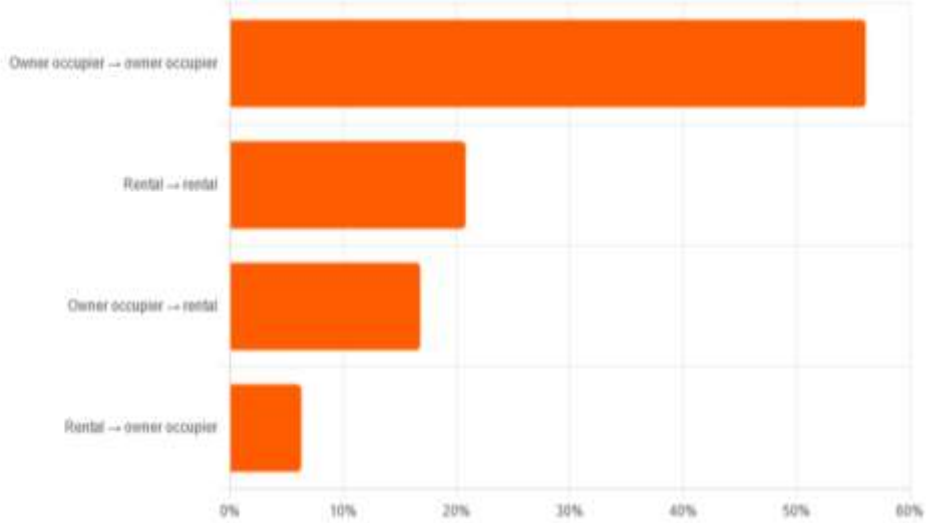
Where are families moving to Queensland coming from?

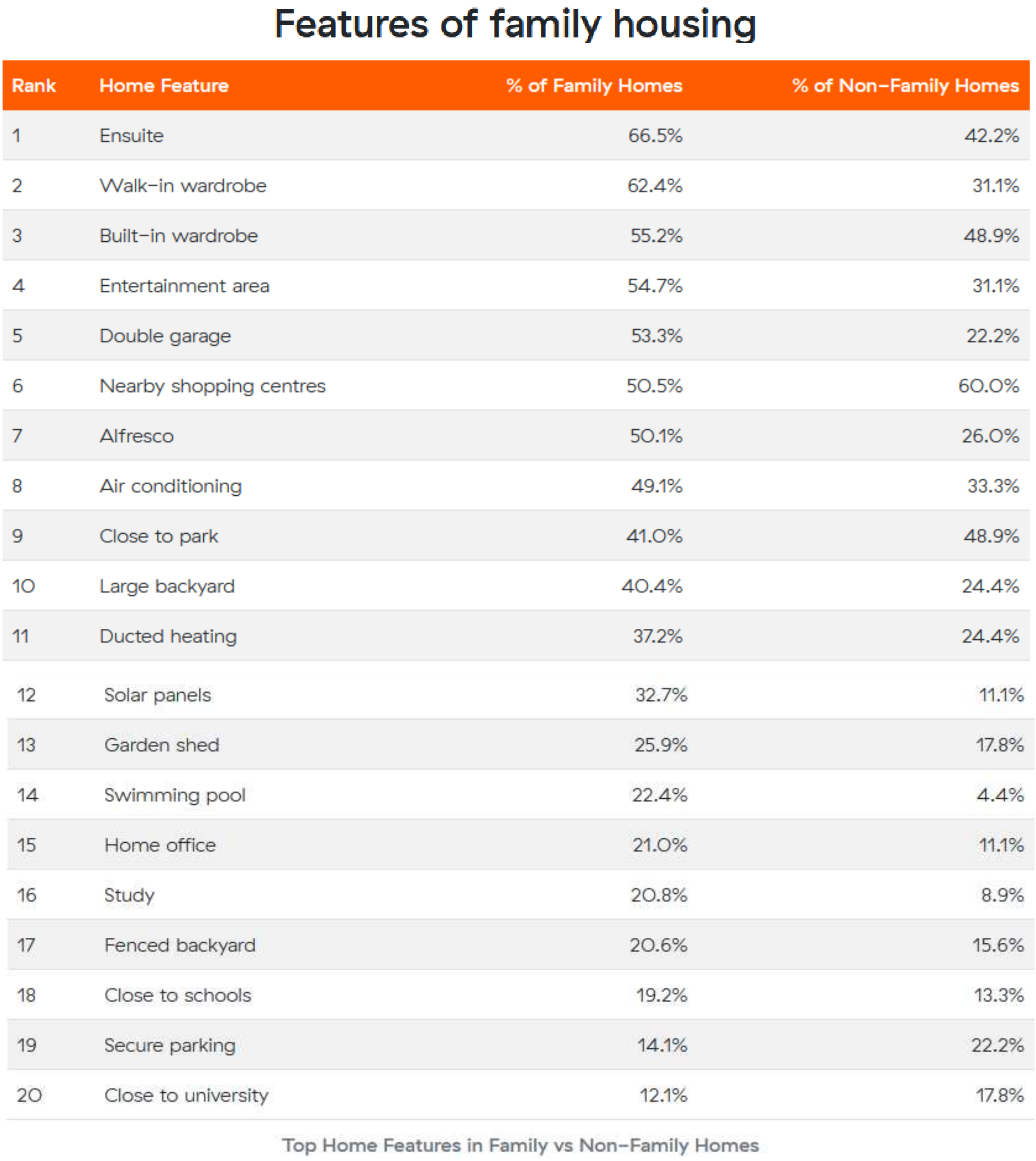


The types of homes Aussie families are moving to


House
85.3%
House
House
2.8%
Unit
Unit
4.4%
House
Unit
7.5%
Unit

https://www.muval.com.au/family-relocation-report





Features of family housing

Rank	Home Feature	% of Family Homes	% of Non-Family Homes
1	Ensuite	66.5%	42.2%
2	Walk-in wardrobe	62.4%	31.1%
3	Built-in wardrobe	55.2%	48.9%
4	Entertainment area	54.7%	31.1%
5	Double garage	53.3%	22.2%
6	Nearby shopping centres	50.5%	60.0%
7	Alfresco	50.1%	26.0%
8	Air conditioning	49.1%	33.3%
9	Close to park	41.0%	48.9%
10	Large backyard	40.4%	24.4%
11	Ducted heating	37.2%	24.4%
12	Solar panels	32.7%	11.1%
13	Garden shed	25.9%	17.8%
14	Swimming pool	22.4%	4.4%
15	Home office	21.0%	11.1%
16	Study	20.8%	8.9%
17	Fenced backyard	20.6%	15.6%
18	Close to schools	19.2%	13.3%
19	Secure parking	14.1%	22.2%
20	Close to university	12.1%	17.8%

Top Home Features in Family vs Non-Family Homes

How Do You Build a New City? Eight Steps to Realising a Sustainable Metropolis

https://www.capitalfrontiers.com/single-post/2020/04/22/How-Do-You-Build-a-Sustainable-New-City-Eight-Steps-to-Realizing-a-New-Metropolis 2023

So you've got some land and want to build a new city? Or maybe you just know you want to build a city, but you don't have the land yet. Here is a starter guide for how to build a new city.

Step 1: Approach with caution

Building a new city is a really, really, really big investment. It's tremendously expensive and will take a lot of time. Cities are not projects. They require organic momentum and continuous investment from tons and tons of people. They need to have a really specific reason for existing, and they need to be bolstered by a really thoughtful economic engine that's going to drive their growth and make people want to live there. They will probably require a tremendous commitment of up-front investment from both public and private sector forces. Be prepared...building an entire new city is not for the faint of heart. Most new city projects fail, and the ones that don't are often far, far more expensive than anyone at first realised.

Step 2: Figure out what you're doing and why

If you're pretty sure you want to build a new city, here are some suggested next steps to get your ducks in a row before you do anything else.

Establish some principles: The first phase of development behind your new city needs to establish principles for the city and grapple with the big substantive and ideological questions that will shape the thinking around the new city. High-level principles and goals should be decided, and preliminary thinking on possible sites should be established. Why would the city want to be in one location as opposed to another? What's the potential reason for a new city existing? Why might people want to live there? What' the economy going to be, and why would anybody want to have a business there? This phase also needs to grow an understanding of the relationship between various urban development strategies and the accompanying aspirational outcomes. In particular, it should identify potential strategies that are unique to new city development that are unemployable in existing cities. In concert with thinking about high-level principles, the initial research phase should discern and document the most important development variables for achieving desired outcomes.

Unfortunately, most of the considerations necessary for achieving a physical plan are contingent on site and market-specific considerations. Thus, unless you have a site already selected, this phase is going to be messy, non-physical, and still aspirational. However it will yield needed revelations, discern the key variables, and narrow the approach for an urban development formula. Here are some of the big questions you should address before doing anything else:

- What are the aspirational principles of the new city?
- What kinds of urban development strategies are most effective for realising those principles?
- What are the features that the city must incorporate?
- What are the likely and appropriate sites for new cities?
- How will the New Cities be different from existing cities?
- How can they build on what has historically failed or succeeded?
- How much am I prepared to spend on this thing?

Step 3: Do your homework

Understand the Marketplace for Cities: Understand emerging trends in urban development. Pinpoint why people are migrating to cities. Identify shifts in taste and preferences with respect to how people aspire to live.

Evaluate past successes and failures: Where have past cities succeeded and where have they failed, and why? How have planned cities differed from cities that have grown organically? How do cities grow? Identify recurring problems in existing and traditionally planned cities. What are existing cities not offering? What can be uniquely offered by new city development?

Pinpoint New City opportunities: Understand major geopolitical opportunities. Establish an understanding of where major geopolitical forces have created unique shifts in the urban development landscape around the globe (i.e. robust African population growth, the Syrian refugee crisis, the expansion of the Panama canal, the diversification of global energy sources, shifts in global shipping trends, and shifts in territorial power) that can be harnessed as seminal forces creating the need for a new city.

Identify unmet demands: Where is there unrealised demand for urban migration and where is there the political will to support it? Who are the constituencies who are not being adequately served by existing cities, as these people are potential.

Understand the landscape of political and financial will: Identify governments willing to finance this kind of investment outright. Or, who will otherwise front or provide hard costs, most importantly land and access to existing utility networks. Identify sources of grants and major international, organisation, or institutional funding, such as World Bank, UN, EU. Identify sources of large-scale private financing, including those who will gain a financial advantage as clients of the city, and those who are willing to commit as equity investors.

Target possible sites: Evaluate available and desirable sites, including the business environment, health, safety, labour, and investment laws, political hurdles, etc. Importantly, your analysis should assess environmental and utility considerations, such as whether or not the land is connected to any existing utility grids, and whether the land is even buildable. Establish high-level criteria for site selection.

Establish Guiding Principles that Will Define Success for the New City: To what should our city aspire? What problems are we trying to address? How will the first new city be different from other existing and planned new cities? What kind of places do we want to create? Establish principles for defining success. These should be transcendent beyond demographics or preferences. They should give clairvoyance to the question of why we build cities – illuminating the opportunities that cities fundamentally offer to the benefit of mankind. Among them: key metrics for assessing quality of life, housing affordability, job accessibility and mobility.

Establish a foundational backbone for how we aspire the city to function: What are our aspirational population levels to create, first, a viable, and, over time, the best possible city – over 5, 10, 20, 50, and 100 years? What should our selected governance and land ownership regimes seek to accomplish? What are our financial targets – do we in fact aspire to create a privatised, for-profit city? How much cash would we like to see circulated through the city up front, and then in annual expenditures, and to what annual revenues should we aspire?

Decide on a target market: Who are we most trying to serve? Conduct extensive high-level market research. Consider enlisting an experienced urban economist capable of evaluating multiple sites simultaneously.

Envision Potential Strategies: Model a range of physical frameworks for transportation and land use. Outline various ownership and governance structures and compare their ability to respond to aspirational objectives. Generate a range of physical and structural variables that can be evaluated performatively against aspirational principles.

Matrix new technologies offering yet-to-be tested alternatives.

Document the relationship between urban development strategies and urban outcomes: Conduct an analysis of a select group of historical models, including forgotten models, and evaluate the range of possible solutions to specific urban development challenges. Evaluate relationships between urban outcomes and the planned characteristics of each city, including streets, other transportation modes, development intensity, scale, density, governance structure, and other factors. Begin to grow an understanding of what input strategies can most significantly and cost-effectively set particular cities apart.

Get creative: Document realistic ways in which this city could function differently.

Step 4: Start Fundraising

Set a budget: As part of your homework, you'll need to quickly get a sense for some of the high-level answers that are going to drive the cost of a new city. You'll need to figure out a financing strategy quickly, so set a budget now: how much are you going to spend on this whole thing, and who's going to be responsible for paying for it? How will you ensure the money keeps flowing for years to come?

Develop a process for generating capital: As you do your homework, develop a plan of long-term financial commitments and start getting some money together. You're going to need a lot of it. You've selected a site and you know you're going to do something. Start assembling public and private dollars, even if you don't yet know what you're going to do.

Step 5: Land Acquisition:
(If you already have your land, skip this step)

Site Selection: In the past phase, you should have spent some time analysing possible sites. Once you have a few sites, you need to vet the possibility of acquiring each one, or of assembling land enough for an entire city in such a location. You'll need to engage officials at the highest levels of government at this point, as any plan to acquire a particular site for the purpose of building a new city will likely be in violation of existing national-level plan or policy. Selecting a site is aspirational, yes, but your site selection needs to be based on the practical realities of acquiring and paying for a site in a cost-efficient way. Whatever site you choose, you need to have a solid plan for how infrastructure is going to be provisioned and how the site is going to connect into the larger national grid.

Site Control: This one will vary greatly by country, and based on who's developing the new city. How you actually acquire the site needs to be decided in a tailored fashion. Be sure as you do this that what you're getting is free and clear of other policy hurdles, or that the protocols for addressing future policy is well-established. Also be sure there's a clear understanding of who really has control of the land, and, most importantly, don't overpay. Even if you get the land for free, building a city is still expensive.

Step 6: Pre-Development:

Start fundraising: If you haven't already, now is the time to start hardcore fundraising. You've selected a site and you know you're going to do something. Start assembling public and private dollars, even if you don't yet know what you're going to do.

Select the Appropriate Models for the Site: Determine the most viable physical framework strategy for the city. Select the most viable framework options for a network of streets, parking, public transport, etc., that is applicable to the target site and population. Identify the ideal city form.

Determine the most viable civic and regulatory framework: Identify a viable strategy for how to handle property ownership in this city, in particular with respect to ambitions about housing affordability, etc. What is public and what is private? Will property be freely owned? Will the city be privately owned and managed? Will it continue to be a profit-seeking endeavour over its life? How should land use and land development be governed?

Establish principles for a realistic zoning and land use-regimen: Establish principles for governance, including citizen representation, provision of city services, construction of new infrastructure, etc. Identify principles for what infrastructure should be public and what will be privately developed, including how fine-grained new publicly provided infrastructure investment will be.

Determine the most viable revenue model for the city: Identify the system through which the project will make money: Land sales, land leases, utility network charges, management, development exactions, rental income, site maintenance charges, etc. Will developers be enlisted to manage large portions of the city? Shape an appropriate strategy for an ongoing relationship between spending and investment.

Determine short- and long-term economic programming: Develop a site-specific strategy to leverage the site's position with regard to trade, shipping, and global economic factors to determine its most viable, saleable, highest and best economic use in the short-term. (i.e.: What will attract people and companies to move here tomorrow?). Identify demands specific to the target demographic of this site: If a city for millennials, what does it need to attract them; if a city for families, what will it need to attract them? This will influence the city's decision-making on the front-end (jobs) and the back-end (housing and mobility).

Determine the City's High-Level Planning Strategies: Establish a set of physical priorities on the site. Understand topographic constraints. Establish a strategy for positioning early new development on the most buildable (thus, affordable) areas. Identify easy, natural strategies for cost-effectively mitigating large stormwater flows. Identify unique natural and existing resources that will provide identity and cultural capital for the city, and decide what to preserve. Identify physical and infrastructural links that will tie the city physically and informationally to the rest of the world.

Determine where the first "big moves" in the city should be located: Develop a strategy for connecting to regional infrastructure. Establish connective strategies for physical infrastructure (roads, transport, and public transport): How will this city link physically to the outside world?

Determine how the city will link to existing water resources (potable, non-potable water, sewer): Will it be reliant on existing networks? Determine the strategy for connecting to existing energy resources. How much energy will the city use, from where will the city get its energy, and how much will be produced on-site?

The same for IT and Telecom: Understand needed jurisdictional agreements to ensure any access to existing grids and any rights to output stormwater or sewage waste into public waterways.

Plan the first set of big investments: Identify how extensively infrastructural networks will need to be built within the city's first few years. Establish the first nodes, and determine the early "low hanging fruit" big up-front investments that will yield a significant ROI. Prepare a Concept Plan. Hire a consultant to prepare a plan for the city that incorporates all of the above strategic decision-making.

Promote and sell the city: Brand the city. Conduct a marketing, PR Blitz: Back-end salesmanship to couple with front-end market understanding. Present a consolidated vision to generate public enthusiasm, spur conversation, elicit market feedback, etc. Hire a visualisation specialist to prepare 21st-century representation material. Develop and distribute promotional sales materials for the city. Provide easy outlets for initial investment in response to initial materials. Revise in response to market feedback.

Pursue private equity investment: Secure investment in major social infrastructure elements, document pipeline projects

Step 7: Development Launch:

Develop a detailed design and building strategy: Develop a protocol for managing detailed design and construction. And hire a consultant to prepare zoning and land use documents.

Implement regulatory tools for attracting investment: Understand appropriate regulatory, taxation, and other incentive tools for attracting initial economic investment.

Start running the City's Pro Forma in Real Time: Identify initial funding. Pinpoint equity investment, public investment in the city, grants, land, etc. Select developers, and establish a process for selecting future developers. Secure land, political will, and conduct a peer review of the city's pro forma.

Implement legal protocols: Establish a legal process for implementing the plan. Identify the jurisdictional terms to legally incorporate the boundary to the City. Establish a policy governing expansion, annexation be handled, and the provision of utilities and infrastructure as the city expands.

Establish a process, timeline, and understanding for establishing the government for the new city: Develop a timeline for addressing issues of political representation, taxation, and public services (police, fire, trash pickup, city maintenance, etc.). Confirm protocols for accruing sign-off from national authorities on any national standards for emergency services, social infrastructure provision, etc. Establish or negotiate with existing development or utility authorities for provision and management of city utilities.

Implement a program for maintenance and management of the city's capital budget:
Establish Land Acquisition and Residency Conditions. Develop plot development requirements, including bulk regulations, utilities, grading, stormwater, parking, architecture, building systems, and the like. Including deciding on an administrative structure for enforcement. Identify and formalise processes for establishing residency, opening a business, etc. Begin securing tenants and investors.

Step 8: Construction of Major Public Infrastructure:

Building the City – First Year:

- Lobby for delivery of as much external land, infrastructure, etc. from existing sources as possible.
- Remove old infrastructure, cleanse the site.
- Begin grading work on the site, including any cut-and-fill operations.
- Conduct land surveys and borehole testing.
- Test groundwater at various locations to inform a planting survey.
- Identify existing assets: Build initial development out from them – these should become the hubs of new development.
- Develop key roadways into and out of the city.
- Create construction access routes, develop strategy and policies to regulate and construction activity.
- Establish development or utility authorities, or negotiate with existing ones.
- Detail primary infrastructure design.
- Deliver first-phase sewage, potable and non-potable water networks.
- Build sewage plants, identify whether other short-term infrastructure plants are needed.
- Secure connections to existing power grid or determine power sources.
- Establish stormwater runoff basins, including legal jurisdiction to deposit runoff in waterways.
- Establish open space protections and development boundaries including long-term policies.
- Simultaneously, conduct detailed development design of initial developments, and market them
- Begin land sales based on established ownership or leasing structure.
- Create strategy, financing, and consultant database for ongoing construction of infrastructure and utilities.
- Create implementation mechanism to ensure development and residency protocols and codes are adhered.
- Establish matrix of pipeline projects with projected delivery timetables to inform infrastructure expansion. Building the City.

Years 1-5

- Initiate infrastructure construction scaled for 5-10 year development horizon. Implement strategies for constructing local roads, local utilities, substations, etc., to accommodate early phase development.
- Initiate construction of all vital social infrastructure scaled for the 5-10 year development horizon. This shall include retail, grocery, open space, and community facilities.
- Construct any regional transportation links.
- Continue aggressive branding, land sales.
- Begin permitting new development and investment. Continue to grow process for regulating and monitoring this development.
- Begin construction of localised stormwater system.
- Based on initial demand estimates, implement or expand short-term zoning.
- Prepare guidelines for new public infrastructure in response to demand, including palette of materials, street furniture, etc.
- Create a maintenance plan.
- Begin growing a reserve fund for future improvements to now-built infrastructure Building the City.

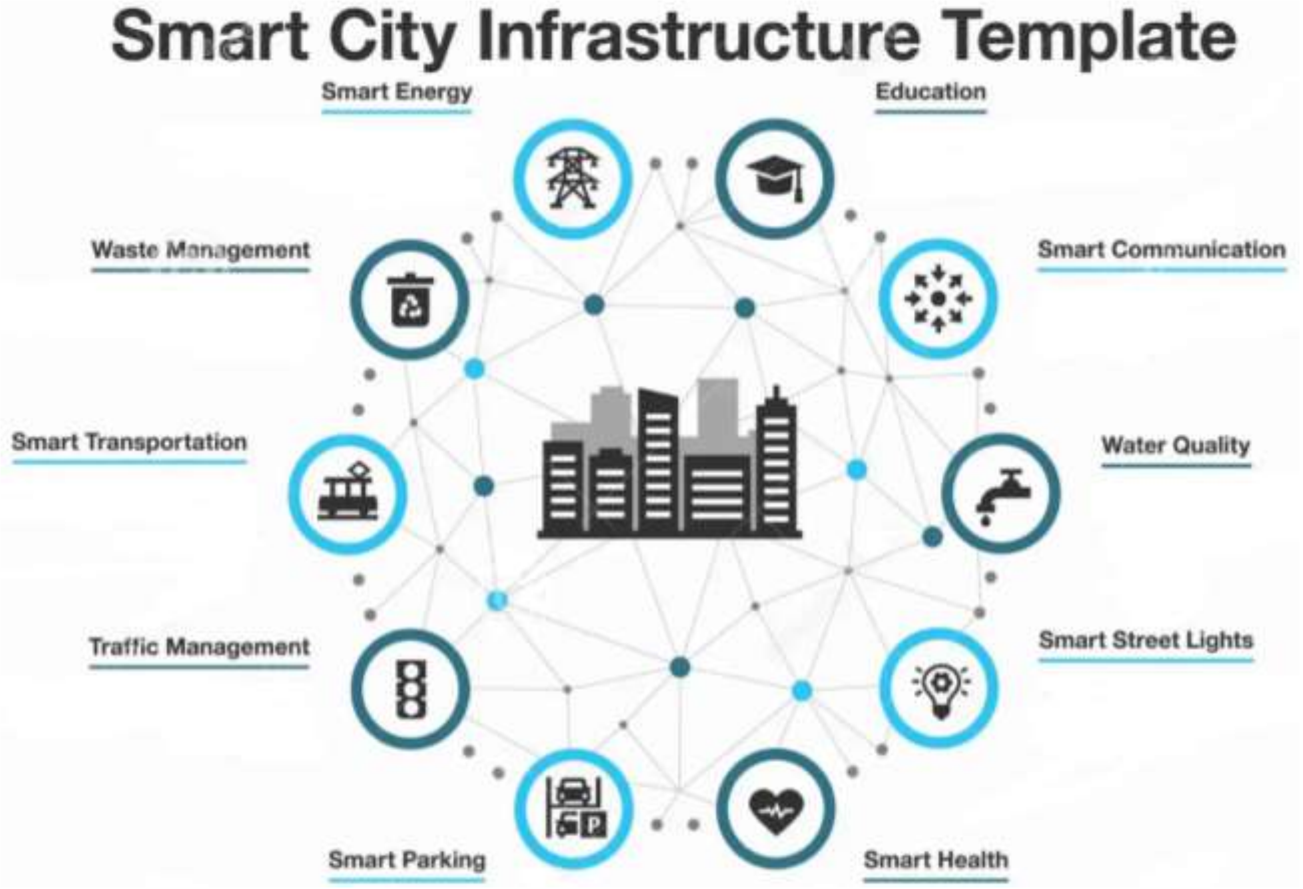
Years 5-10

- Monitor growth, strategically decide when to begin process (Year 0) on a second major city node.
- Create a citywide plan for public open spaces.
- Create a citywide plan for social infrastructure.
- Create a plan for ensuring development of or re-obtaining committed and sold undeveloped parcels.
- Construct major linking boulevards.
- Implement early-phase public transit or car-sharing, if applicable.
- Extend existing utilities, conduct review every 3 years to assess the urgency to build the next round of major plants.
- Implement plan to save and preserve key spaces for larger long-term social and physical infrastructure.
- Continue monitoring performance against metrics for affordability, mobility, etc. Prepare policy for remedial intervention where necessary.
- Begin 10-20-year investments in social and physical infrastructure, including upgraded streetscapes, successional zoning for the Year 1 zone.
- Review performance of major city utility infrastructure. Prepare plans for upgrades if necessary.
- When the city reaches critical mass, begin to transfer to self-governance. Building the City.

Years 10-20

- Ensure viable policies exist for annexation and the fair provision of new infrastructure alongside new development.
- Establish policy for exactions if necessary.
- Begin to target white-collar and cultural institutions once initial economy is viable with assurance of continued growth.

Contact Capital Frontiers at: capitalfrontiers1@gmail.com


Smart City Infrastructure Template
Smart Energy
Education
Waste Management
Smart Communication
Smart Transportation
Water Quality
Traffic Management
Smart Street Lights
Smart Parking
Smart Health

Australia must return to nation building

Infrastructure Australia projects dystopian future

https://www.macrobusiness.com.au/2025/05/infrastructure-australia-projects-dystopian-future/

Leith van Onselen Tuesday, 13 May 2025

Let’s take a walk down memory lane.

The date is 13 August 2019, six months before the COVID-19 pandemic arrived in Australia.

Infrastructure Australia’s (IA) Australian Infrastructure Audit was released, warning that AU$40 billion a year of infrastructure investment is needed to catch up with Australia’s voracious population growth. Otherwise, productivity and living standards will suffer:

Australia needs to commit to spending AU$200 billion every five years on a range of infrastructure projects if it wants to keep pace with population growth.

Infrastructure Australia has warned a new wave of investment is needed to ensure roads and public transport, schools, water, electricity and health services support people’s quality of life and economic productivity.

The most visible example of the impact of poor infrastructure is the increasingly congested roads and crowded public transport in our biggest cities…

At the moment, this congestion costs the economy AU$19 billion a year but if no more is spent on upgrades, that will double to nearly AU$40 billion by 2031.

Less visible but just as frustrating to people are hospitals and schools that are ageing or reaching capacity, overcrowded parks and city green spaces, ageing water pipes, and the quality of services like the NBN…

The report notes that migration is a key driver of Australia’s above average population growth.

IA also warned that Sydney and Melbourne risked grinding to a standstill as infrastructure struggled:

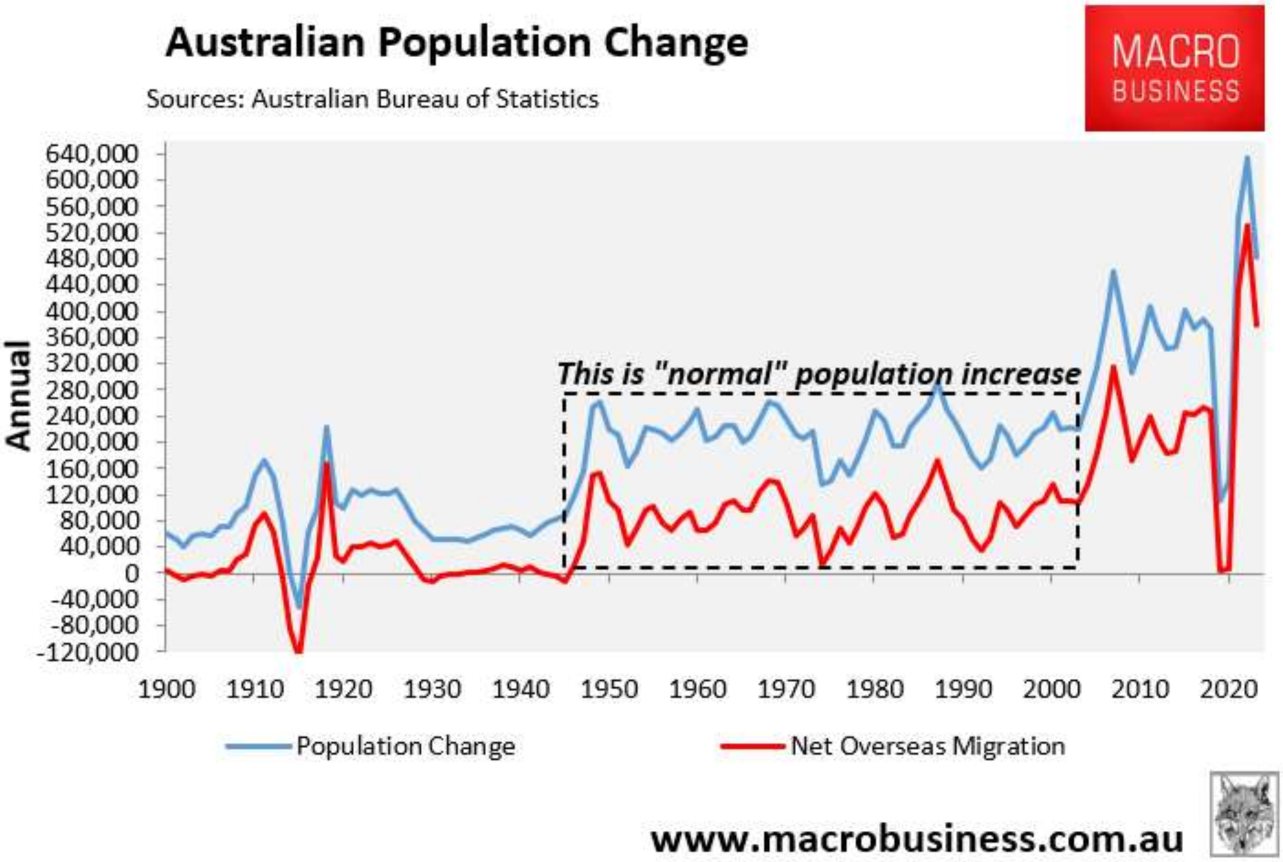
The huge pipeline of road and rail projects across Sydney and Melbourne, both underway and planned, will not prevent the cities becoming paralysed with congestion by 2031, with the cost of lost productivity due to gridlock set to double over the next 12 years to AU$38.8 billion.

An Infrastructure Australia audit of the country’s requirements in areas from roads to urban water systems found almost two-thirds of the burden would be borne by Sydney and Melbourne, where even the cost of overcrowding on public transport is expected to grow five-fold to AU$837 million a year.

An unexpected lift in the nation’s population, concentrated in the major cities of Sydney, Melbourne, Brisbane and Perth, was straining everything from crowding on buses to the supply of schools on the urban fringe, the agency found.

Travel delays on some of the main roads in the two biggest cities would blow out by more than an hour in some cases…

Now fast forward to May 2025. According to the Australian Bureau of Statistics’ (ABS) population clock, the nation’s population has ballooned by 2.2 million (roughly a Perth) since August 2019, courtesy of record net overseas migration:



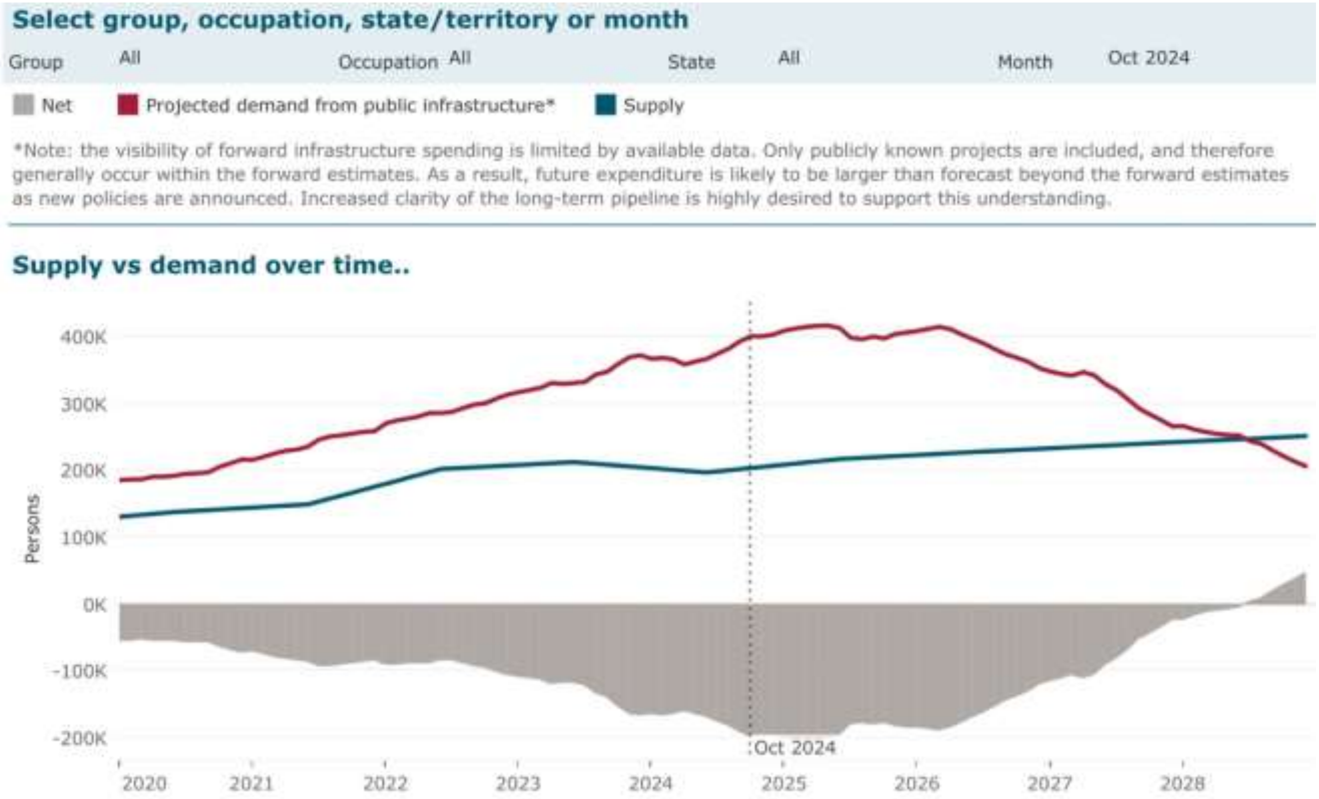
Australian Population Change

Sources: Australian Bureau of Statistics

This is "normal" population increase

www.macrobusiness.com.au

IA’s Public Infrastructure Workforce Supply Dashboard shows that Australia has a critical shortage of workers to meet the nation’s infrastructure needs:



Select group, occupation, state/territory or month

Group All Occupation All State All Month Oct 2024

▨ Net 🟥 Projected demand from public infrastructure* ■ Supply

*Note: the visibility of forward infrastructure spending is limited by available data. Only publicly known projects are included, and therefore generally occur within the forward estimates. As a result, future expenditure is likely to be larger than forecast beyond the forward estimates as new policies are announced. Increased clarity of the long-term pipeline is highly desired to support this understanding.

Supply vs demand over time..

Independent economist Tarric Brooker summed up the farce neatly on Twitter (X):

Australian Government: We’re pursuing high levels of migration

Infrastructure Australia (also the Australian Government): We don't have enough supply of skilled workers to produce the infrastructure approved

Narrator: Which is significantly below the infrastructure required.

Meanwhile, the March federal budget projected that Australia's population would grow by 1.8 million people over the next five years, with 1.4 million of them forecast to settle in Victoria (544,000), New South Wales (486,000), and Queensland (412,000).

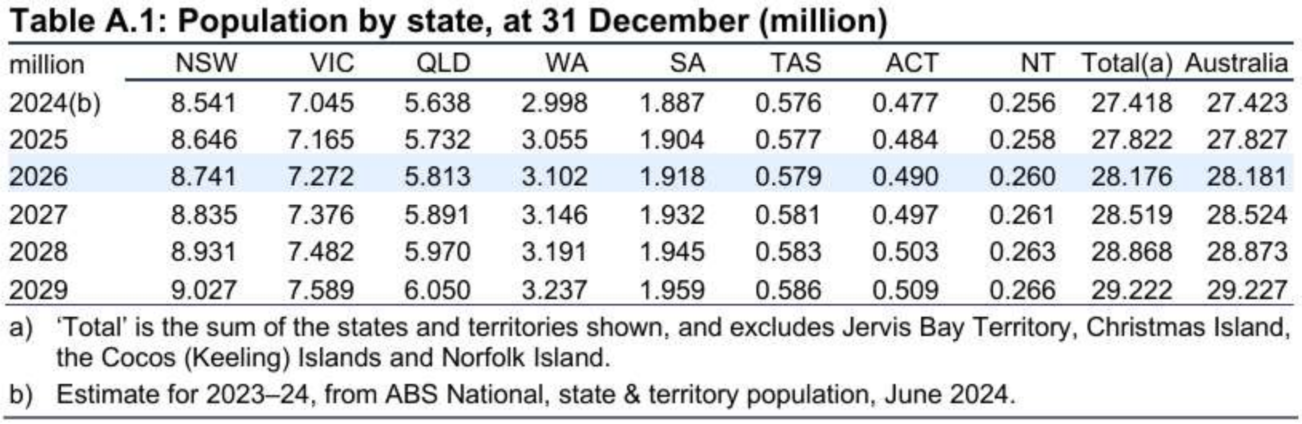


Table A.1: Population by state, at 31 December (million)

million	NSW	VIC	QLD	WA	SA	TAS	ACT	NT	Total(a)	Australia
2024(b)	8.541	7.045	5.638	2.998	1.887	0.576	0.477	0.256	27.418	27.423
2025	8.646	7.165	5.732	3.055	1.904	0.577	0.484	0.258	27.822	27.827
2026	8.741	7.272	5.813	3.102	1.918	0.579	0.490	0.260	28.176	28.181
2027	8.835	7.376	5.891	3.146	1.932	0.581	0.497	0.261	28.519	28.524
2028	8.931	7.482	5.970	3.191	1.945	0.583	0.503	0.263	28.868	28.873
2029	9.027	7.589	6.050	3.237	1.959	0.586	0.509	0.266	29.222	29.227

a) 'Total' is the sum of the states and territories shown, and excludes Jervis Bay Territory, Christmas Island, the Cocos (Keeling) Islands and Norfolk Island.

b) Estimate for 2023–24, from ABS National, state & territory population, June 2024.

Source: March 2025 Federal Budget

The longer-term outlook is even worse, with the Centre for Population projecting that Australia's population will balloon by 13.5 million people over the next 40 years:

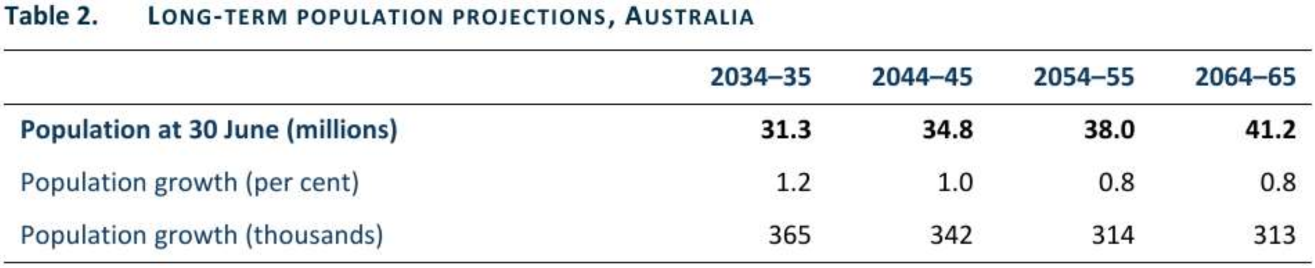
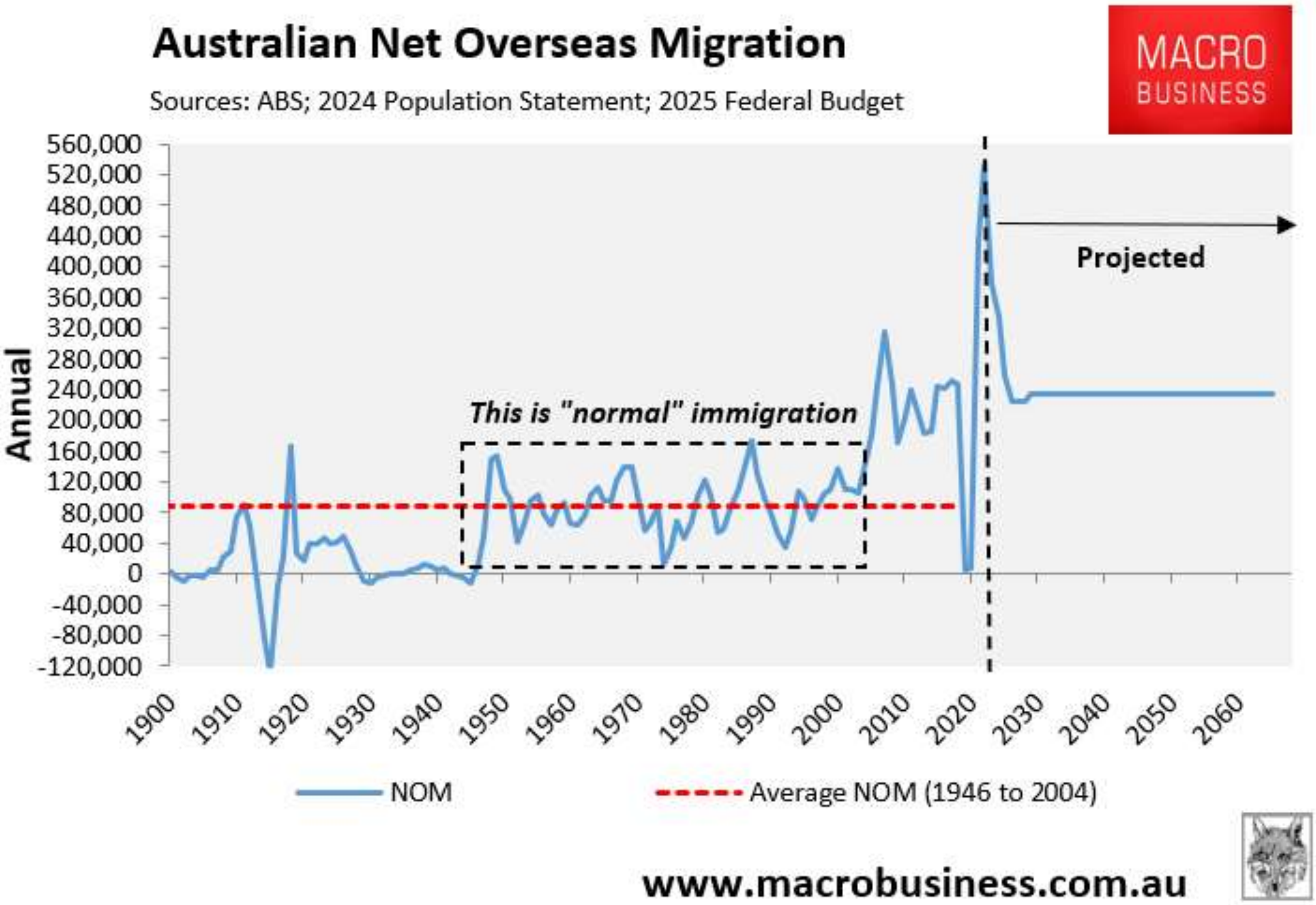


Table 2. LONG-TERM POPULATION PROJECTIONS, AUSTRALIA

	2034–35	2044–45	2054–55	2064–65
Population at 30 June (millions)	**31.3**	**34.8**	**38.0**	**41.2**
Population growth (per cent)	1.2	1.0	0.8	0.8
Population growth (thousands)	365	342	314	313

Source: December 2024 Population Statement (Centre for Population)

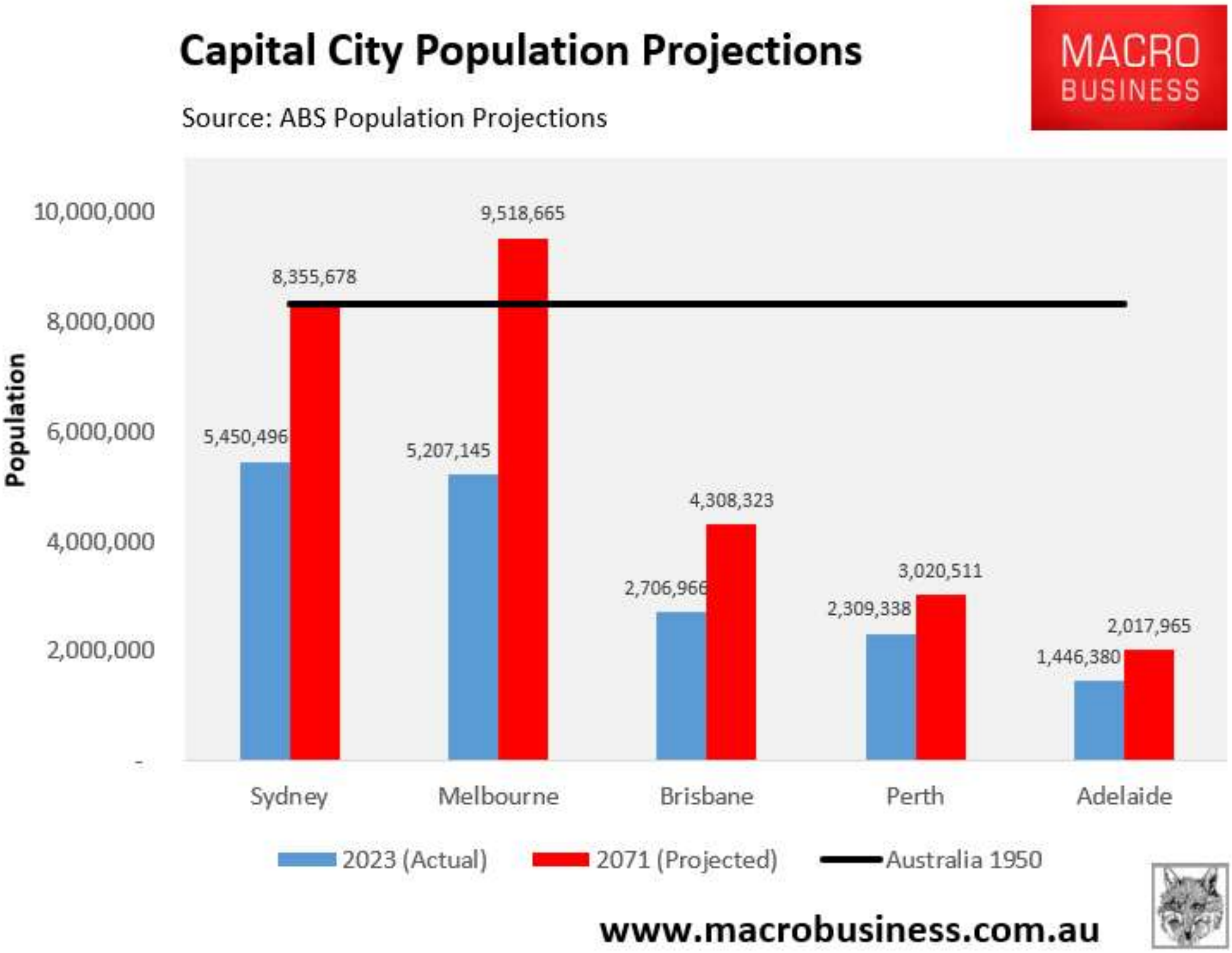
This 13.5 million projected population increase will be driven by permanently high net overseas migration of 235,000 annually, which is more than double the 90,000 average net migration in the 60 years following World War II.



This 13.5 million projected population increase is equivalent to adding another Sydney, Melbourne, and Brisbane to the nation's current population in only 40 years.

By extension, all of the infrastructure and housing in these three cities would need to be replicated in only 40 years to prevent living standards and productivity from declining. That is an impossible task.

Australia's major capitals will also necessarily transform into crowded megacities:



The only way to prevent this outcome is to significantly cut immigration and stabilise the population.

Because even Infrastructure Australia acknowledges that we cannot build our way out of this predicament.

Australia must return to nation building

THE COST OF SUBDIVIDING LAND: WHAT EXPENSES ARE INVOLVED?

https://cehconsulting.com.au/the-cost-of-subdividing-land-what-expenses-are-involved/

28 August 2024

THE COST OF SUBDIVIDING YOUR LAND: A COMPREHENSIVE GUIDE

The **cost of subdividing** land is a very hard question to answer straight off the bat, yet it is a common questions property owners have when looking to make changes and maximise the value of their investments. We specialise in helping our clients understand the expenses involved and make the process as smooth as possible, ensuring that you are well-prepared and not left in the dark. Here is a detailed breakdown of the primary costs associated with subdividing your land, if you have any questions related to the **cost of subdividing.**

STATE GOVERNMENT CONTRIBUTION FEES

One of the most significant expenses in the **cost of subdividing** land is the state government contribution fees. These fees can vary widely depending on the location of your property. For instance, in regions like the Central Coast, Sydney, Illawarra, and Shoalhaven, these fees can be particularly substantial. It’s crucial to include these fees in your overall budget to avoid unexpected financial burdens as you progress with your subdivision project.

CONSTRUCTION COSTS

Construction costs form a large portion of the overall **cost of subdividing**. These costs can be broken down into several key areas:

- **Infrastructure Development:** A significant part of the **cost of subdividing** involves building essential infrastructure, such as roads, drainage systems, sewerage, and utilities. These are foundational elements that ensure the new lots are functional and accessible.
- **Site Preparation:** The process of clearing and grading the land to prepare it for development is another major expense. This step ensures that the land is suitable for construction and minimises potential issues down the line.
- **Building Construction (if applicable):** If your subdivision project includes the construction of new homes or buildings, this will further increase the overall **cost of subdividing**. The complexity and scale of the construction will directly impact the costs.

DEVELOPMENT APPLICATION PREPARATION

The preparation of the development application is a crucial step in the subdivision process, contributing significantly. This stage includes several important tasks:

- **Site Surveys:** Detailed surveys are necessary to gather essential data about the property, which informs the development plan.
- **Environmental Assessments:** These assessments evaluate the potential environmental impact of the subdivision and are often required by regulatory bodies.
- **Application Fees:** Submitting a development application involves paying various fees to local councils or other regulatory authorities.

- **Professional Services:** Engaging professionals such as surveyors, town planners, and engineers to prepare the necessary documents and plans is a key part of this cost.

SUBDIVISION WORKS DOCUMENTATION PREPARATION

Creating detailed documentation for the subdivision works is another essential cost component. This includes:

- **Engineering Designs:** The design of infrastructure, such as roads, drainage systems, and sewer systems, is a critical aspect of the **cost of subdividing**. These designs must meet local regulations and standards to ensure the project's success.

COMPLIANCE INSPECTIONS AND DOCUMENTATION

Ensuring that your subdivision meets all regulatory standards is essential to avoid future complications. This involves:

- **Regular Inspections:** Compliance inspections are required during and after construction to ensure that all work meets the required standards.
- **Compliance Documentation:** Preparing and maintaining the necessary documentation to verify compliance adds to the **cost of subdividing** but is essential for the project's approval.

SUBDIVISION CERTIFICATE PREPARATION

Once the infrastructure is complete, obtaining a subdivision certificate is the next crucial step. This involves:

- **Document Preparation:** Preparing all the required documents to certify the subdivision.
- **Final Inspections:** Conducting final inspections to ensure that all regulatory requirements have been met is a necessary part of the cost.

LAND REGISTRY SERVICES SUBDIVISION PLAN REGISTRATION

The final step in the subdivision process is registering the subdivision plan with Land Registry Services. This includes:

- **Subdivision Plan Registration:** Officially recording the new lots with the land registry is essential for finalising the subdivision.
- **Associated Fees:** The registration process involves additional fees, which contribute to the overall **cost of subdividing**.

SEVERAL FACTORS CAN SIGNIFICANTLY IMPACT THE OVERALL **COST OF SUBDIVIDING** LAND, INCLUDING:

- **Zoning:** Zoning regulations can either facilitate or hinder development, affecting both the **cost of subdividing** and the potential returns.
- **Topography:** The topography of the land influences the level of construction required, with steeper or uneven terrain increasing the cost.
- **Environmental Regulations:** Environmental regulations may require preserving certain areas, which can reduce the number of lots and directly impact the **cost of subdividing**.
- **Regulatory and Legal Fees:** Additional costs include development application fees, subdivision works certificate fees, utility connection fees, subdivision certification fees, and land registry services fees, all contributing to the total **cost of subdividing**.

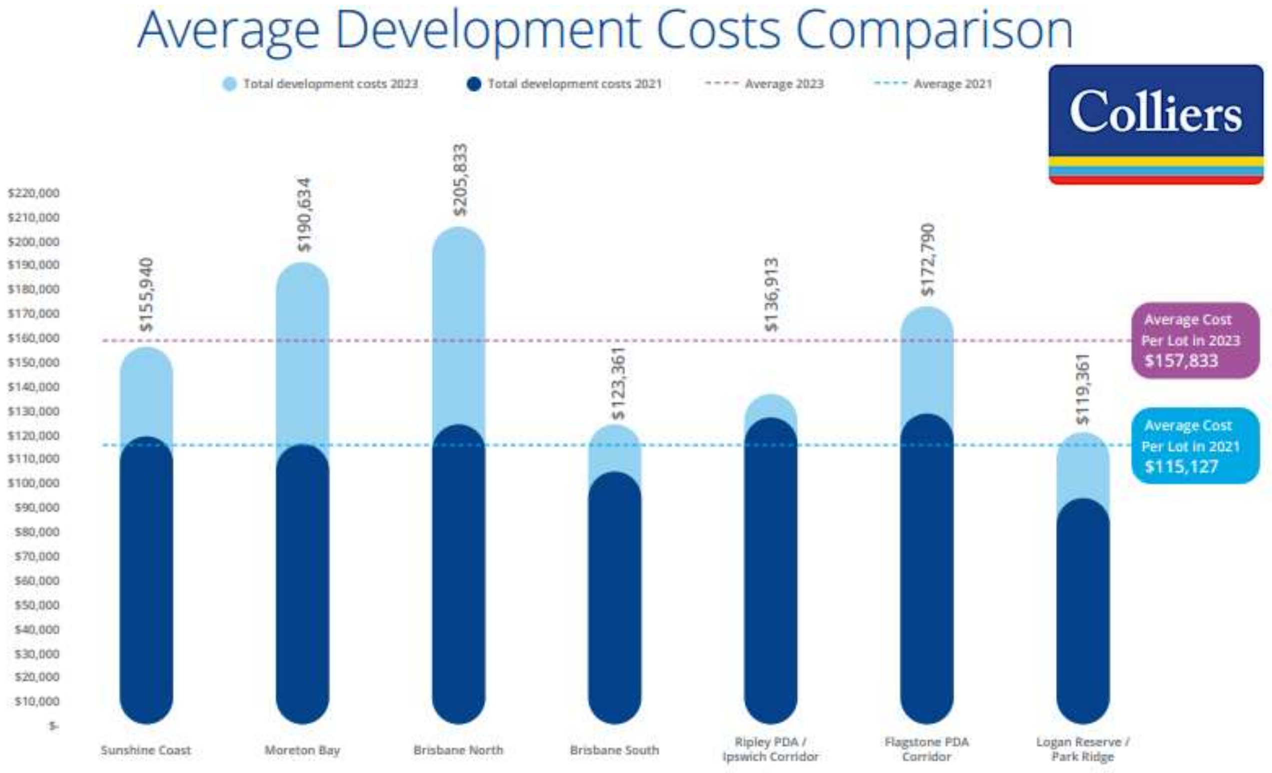
HOW SIZE AND LOCATION AFFECT THE COST OF SUBDIVIDING

The **cost of subdividing** land can vary widely depending on the size and location of the property. Here's how these factors influence the costs:

- **Size of the Land Parcel:**
  - **Larger Parcels:** When subdividing larger land parcels, the **cost of subdividing** typically increases due to the need for more extensive infrastructure. However, larger parcels also offer the potential for higher returns by creating more lots.
  - **Smaller Parcels:** The **cost of subdividing** smaller parcels may be lower, especially if the project involves duplex developments or similar projects. However, the potential returns are generally smaller as well.

- **Location of the Property:**
  - **Council Contribution Rates:** The **cost of subdividing** is also influenced by local council contribution rates, which can vary significantly depending on the location.
  - **State Government Levies:** State government levies are another factor that can increase the cost. These levies vary by region and are used to fund broader infrastructure projects.
  - **Infrastructure Requirements:** In rural areas, the **cost of subdividing** can rise due to the need for more extensive infrastructure development, such as roads and utilities. In contrast, suburban or inner-city areas may have existing infrastructure, potentially reducing these costs.

Understanding the **cost of subdividing** land is a must for successful budgeting and project planning. Long story short, we provide expert guidance to help you navigate these costs and ensure that your subdivision project stays on track and within budget. Whether you're dealing with zoning issues, topographical challenges, or environmental regulations, our expertise ensures that your project is managed efficiently and effectively.



What’s the development cost per lot across the SEQ Growth Corridors in 2023?

https://www.colliers.com.au/download-article?itemId=8b2060ff-5b57-4782-be45-e218fa116566

We’ve collated data from our projects that were tendered/contracted from mid-22’ to 23’ to put some figures to the current state of play and provide a snapshot of the average cost per lot to develop land across the SEQ growth corridors. Our analysis indicates that the development cost per lot now averages $158k, up 37% from 2021.

Consider housing lots per acre (4,047m^2) as being 4, or per hectare (10,000m^2) being 10 with 30% of the land area being for roadways – lots being 600m^2 to 700m^2.

Noel Grummitt	07 5564 0484	Planning Insights	0439 794 636
Brian Gassman	0417 887 077	Fraser Gassman	0427 474 317

BASIC OVERVIEW of a dry block development cost and its sale:

SELL PRICE per lot	Dry Block (not waterfront)		AU$300,000	
Marketing Agents commission and advertising		5%	15,000	
Net lot proceeds				AU$285,000

Civil Engineering and Development costs:

Earth moving – Earth works
Lanscapintg
Fencing
Site being flat with sandy loamy soil to rough terrain with rock
Further, canal excavation to create water frontage, etc
Roads, drainage, crossovers, footpaths.

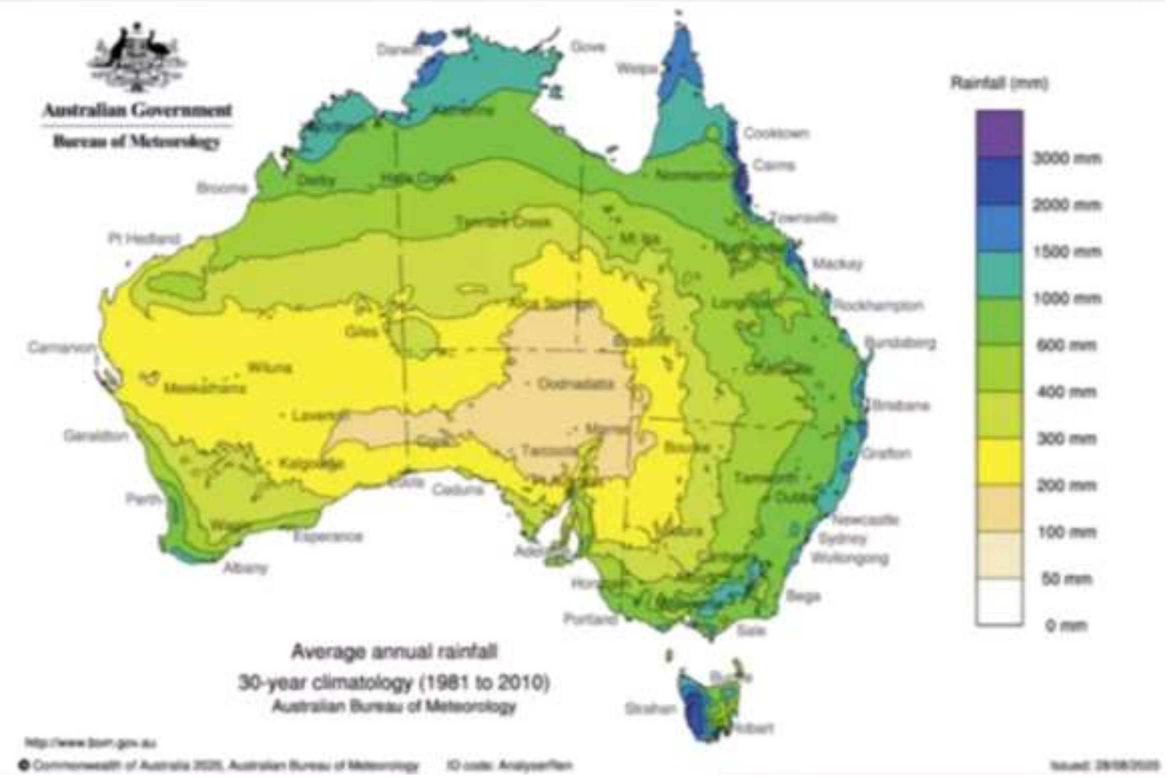
Sewerage	$7,500 - $10,000		
Drainage / stormwater	$5,000		
Water supply	$3,000 - $6,000		
Electricity underground and telecommunications / cable	$5,000 - $6,000		
Other, fire hydrants, habitat issues, etc.			
Council infrastructure charges, headworks fees per lot	$27,000		
Council fees			
Surveyor	$7,000 - $10,000		
Engineer and soil tests	$5,000 - $8,000		
Whole of site: comprehensive site survey	$6,000 - $8,000		
ROL plan	$2,000 - $4,000		
Stormwater management plan	$6,000 - $8,000		
Network capacity report	$6,000		
Council Development Approval fees	$5,300 - $7,000		
AVERAGE development cost of per lot		$160,000	
RAW LAND acquisition cost before development		50,000	
Acquisition costs		5,000	
Holding costs (interest, council rates, etc.)		10,000	
TOTAL development costs per lot			$225,000
Per LOT profit contribution			$60,000
			=======

REGIONAL CITY CREATION and EXPANSION	20 by US$1 billion	**US$20,000,000,000**
		============

BUILD THE BRADFIELD SCHEME!
Australia must return to nation building!

BUILD the BRADFIELD SCHEME!
Australia must return to nation building

https://www.youtube.com/watch?v=qa1zf_kV2v0


Australian Government
Bureau of Meteorology
Darwin
Gove
Weipa
Cooktown
Cairns
Normanton
Townsville
Mackay
Rockhampton
Bundaberg
Brisbane
Grafton
Newcastle
Sydney
Wollongong
Bega
Sale
Portland
Adelaide
Esperance
Albany
Perth
Geraldton
Carnarvon
Pt Hedland
Broome
Derby
Halls Creek
Tennant Creek
Mt Isa
Longreach
Charleville
Birdsville
Oodnadatta
Alice Springs
Giles
Wiluna
Meekatharra
Laverton
Kalgoorlie
Eucla
Ceduna
Marree
Tarcoola
Bourke
Mildura
Tamworth
Dubbo
Strahan
Hobart
Rainfall (mm)
3000 mm
2000 mm
1500 mm
1000 mm
600 mm
400 mm
300 mm
200 mm
100 mm
50 mm
0 mm
Average annual rainfall
30-year climatology (1981 to 2010)
Australian Bureau of Meteorology
http://www.bom.gov.au
© Commonwealth of Australia 2020, Australian Bureau of Meteorology
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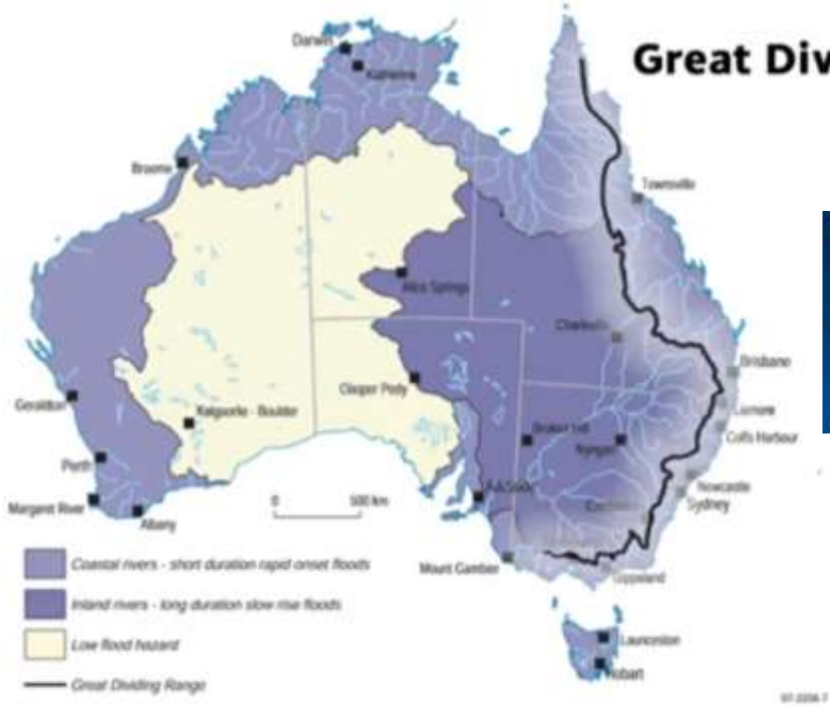
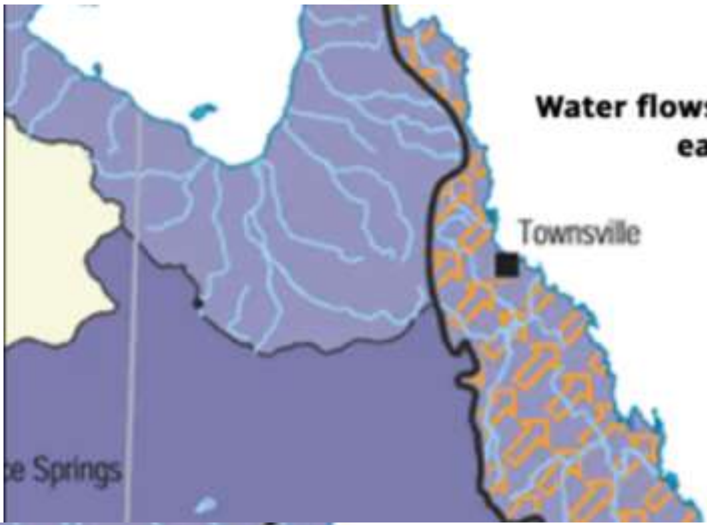
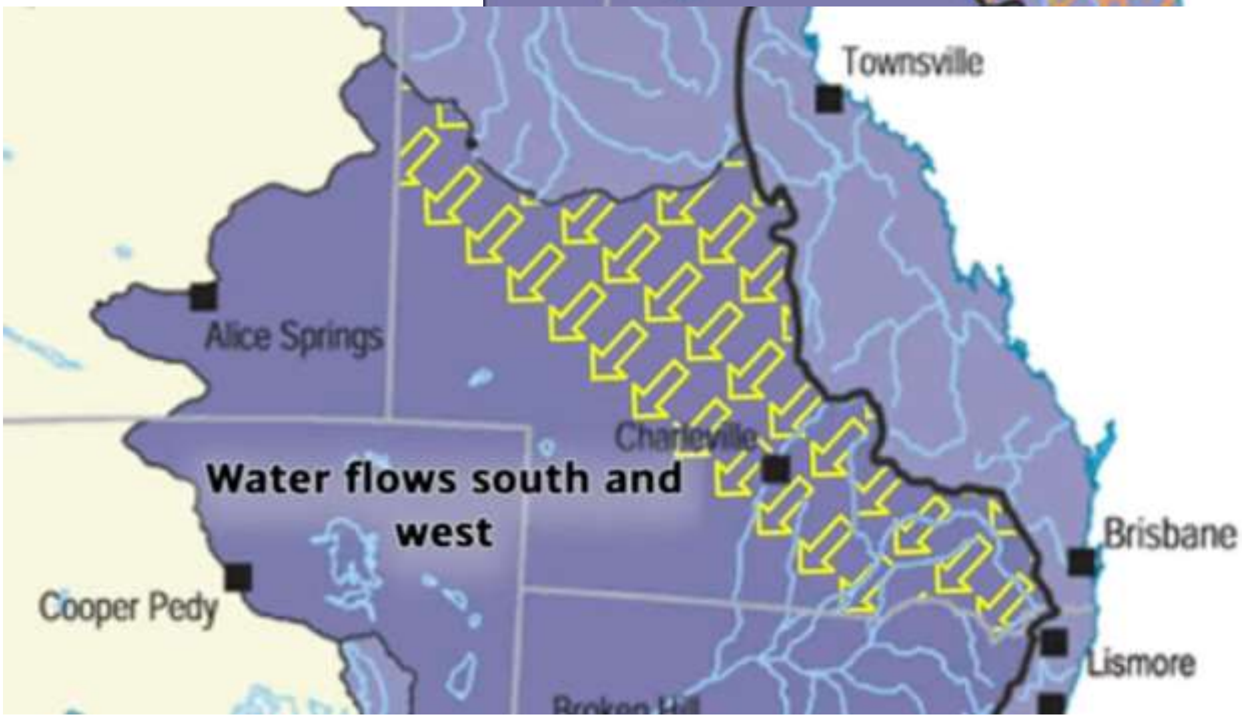

Darwin
Katherine
Broome
Alice Springs
Geraldton
Kalgoorlie - Boulder
Cooper Pedy
Perth
Margaret River
Albany
0
500 km
Townsville
Charleville
Brisbane
Lismore
Coffs Harbour
Broken Hill
Newcastle
Sydney
Adelaide
Canberra
Mount Gambier
Gippsland
Launceston
Hobart
Coastal rivers - short duration rapid onset floods
Inland rivers - long duration slow rise floods
Low flood hazard
Great Dividing Range

Great Dividing Range

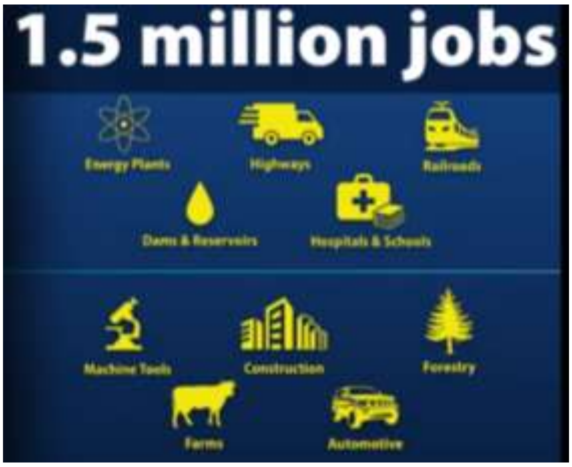
Bradfield Scheme

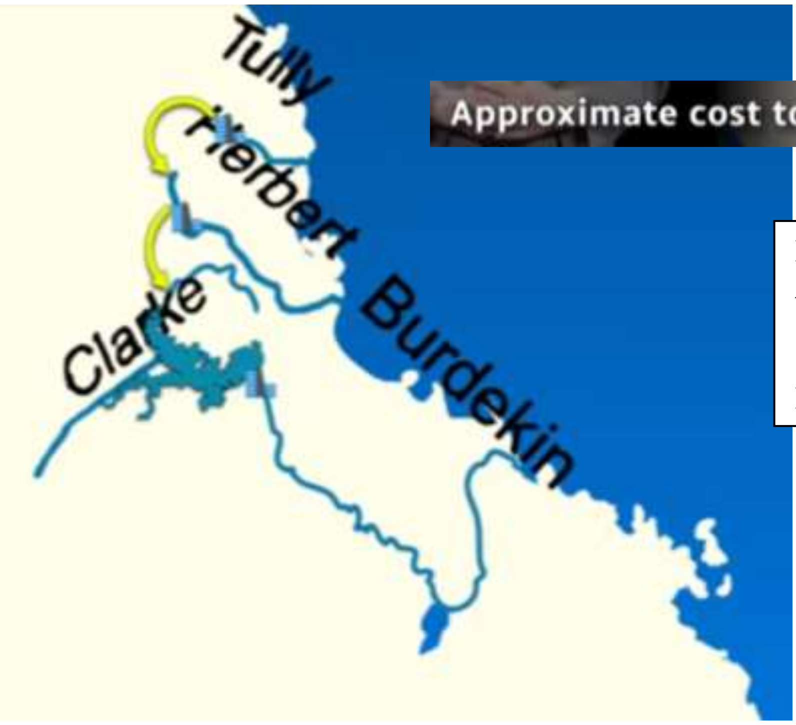

Townsville
e Springs

Water flows north and east

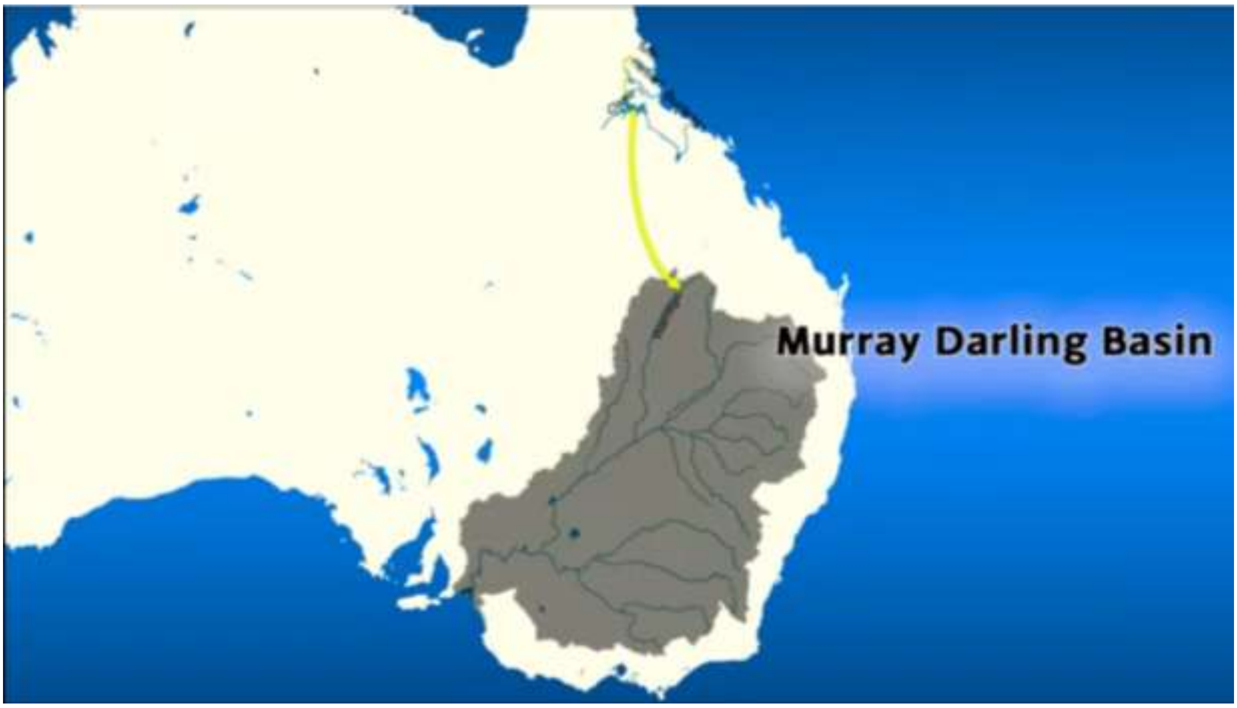

Townsville
Alice Springs
Charleville
Water flows south and west
Brisbane
Cooper Pedy
Lismore
Broken Hill

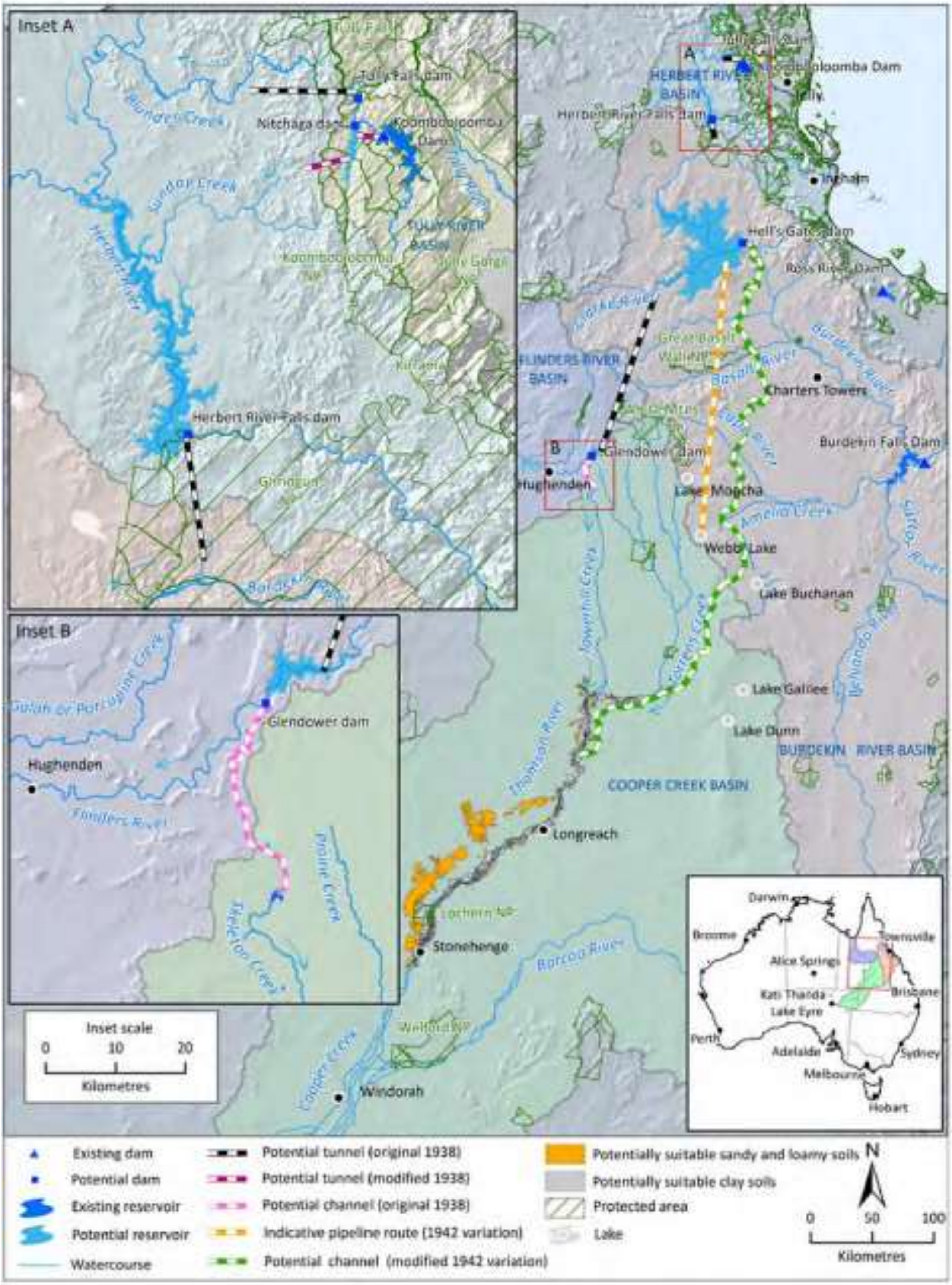
New
Bradfield
Scheme


1.5 million jobs
Energy Plants
Highways
Railroads
Dams & Reservoirs
Hospitals & Schools
Machine Tools
Construction
Forestry
Farms
Automotive


Tully
Herbert
Clarke
Burdekin
Approximate cost to build: $15 billion

Bradfield Scheme	US$15 billion
Associated Irrigation	10 billion
Total	$25 billion
Murray Darling Basin	US$25 billion


Murray Darling Basin


Inset A
Tully Falls dam
Nitchaga dam
Koombooloomba Dam
Blunder Creek
Sandy Creek
Herbert River
Tully River
TULLY RIVER BASIN
Koombooloomba NP
Tully Gorge NP
Herbert River Falls dam
Girringun NP
Burdekin River
Inset B
Gulah or Porcupine Creek
Glendower dam
Hughenden
Flinders River
Prairie Creek
Skeleton Creek
Inset scale
0
10
20
Kilometres
A
HERBERT RIVER BASIN
Koombooloomba Dam
Tully
Herbert River Falls dam
Ingham
Hell's Gate dam
Ross River Dam
Clarke River
Great Basalt Wall NP
FLINDERS RIVER BASIN
Basalt River
Burdekin River
Charters Towers
B
Glendower dam
Hughenden
Burdekin Falls Dam
Lake Moocha
Amelia Creek
Webb Lake
Lake Buchanan
Cape River
Suttor River
Belyando River
Torrens Creek
Jowenhill Creek
Lake Galilee
Lake Dunn
BURDEKIN RIVER BASIN
COOPER CREEK BASIN
Thomson River
Longreach
Stonehenge
Barcoo River
Welford NP
Cooper Creek
Windorah
Darwin
Broome
Townsville
Alice Springs
Kati Thanda Lake Eyre
Brisbane
Perth
Adelaide
Sydney
Melbourne
Hobart
Existing dam
Potential dam
Existing reservoir
Potential reservoir
Watercourse
Potential tunnel (original 1938)
Potential tunnel (modified 1938)
Potential channel (original 1938)
Indicative pipeline route (1942 variation)
Potential channel (modified 1942 variation)
Potentially suitable sandy and loamy soils
Potentially suitable clay soils
Protected area
Lake
N
0
50
100
Kilometres

Map A5-1: An assessment of the historic Bradfield Scheme to divert water inland from northern Queensland.

https://www.dlgwv.qld.gov.au/__data/assets/pdf_file/0004/1631515/bradfield-regional-assessment-development-panel-report.pdf

For farms and commercial agriculture, three main types of irrigation systems are used based on crop types and site factors. Drip irrigation delivers water slowly at the root zone through a network of plastic tubing and emitters. After high US$1,500-$2,000 per acre installation costs, ongoing expenses are lower since pipes are durable and emitter clogging is minimal. Drip irrigation suits row crops and orchards nicely.

Sprinkler irrigation distributes water through pressurized pipes and rotating or fixed spray heads. Centre pivot systems with wheeled towers traverse fields, while permanent systems feature buried PVC pipes feeding overhead sprinklers. Installation runs around $1,000-$1,500 per acre with reasonable maintenance costs. Sprinklers work for most crop types and field shapes. (2.5 acres to 1 hectare)
Surface or flood irrigation relies on gravity flow to move water along trenches and furrows. This is the most affordable option at just US$500 per acre for field preparation. But surface irrigation requires precision land grading and wastes significant amounts of water. Maintenance costs add up due to erosion and emitter damage. It remains a viable choice for large farms growing cereal grains and pasture.

Sprinkler Irrigation Systems

Sprinkler irrigation systems offer flexibility for both agricultural and residential uses. A network of mainlines and PVC lateral pipes supplies water to sprinkler heads spacing in grids across the coverage area. Spray patterns, flow rates and pop-up heights vary based on terrain and plant types.
Rotary sprinklers provide the ultimate coverage and efficiency but at a premium cost. Gear-driven rotary heads distribute water in rotating streams up to 50 feet (15.24 metres). Rotor systems are proven performers for parks, sports fields and residential use.

Fixed spray head systems feature simpler nozzle-based sprinklers in set patterns like quarter or half-circle. Pressure regulation ensures uniform precipitation. Though not as versatile as rotors, sprays cost 20-30% less while covering up to 30 feet (9.14 metres) effectively. Many irrigation options exist to match both budget and functionality needs. Prioritise efficiency and lifespan when investing for the long-haul.

Cost Breakdown System Installation Costs

Professionally installing an irrigation system often costs US$2,000 to $8,000 depending on size and complexity. Labour makes up a major share of installation costs, especially for larger yards or tricky terrain. Expect to pay irrigation technicians US$65-$100 per hour for design, materials takeoff, trenching, assembly, programming and testing. Copious trenching and making pipe connections take time.

Equipment rental and materials make up the remaining installation costs. Compact trenchers, pipe cutters, compression tools and other gear gets rented for US$50-$150 per day. Drip irrigation parts like tubing, emitters and valves run US$0.10-$0.30 per square foot. In-ground sprinkler systems with PVC pipe, wiring and commercial-grade sprinkler heads cost $0.25-$0.60 per square foot. Smart controllers and sensors add several hundred more. Materials for a half-acre system quickly exceed US$1,000-$2,000.
Overall installation expenses increase proportionally with the size and complexity of the landscape. Simple drip irrigation for a small garden could cost as little as US$500. A premium in-ground sprinkler system for 1 acre with sophisticated controls could surpass US$15,000 when labour gets factored in.

Self-Installation Costs

Doing it yourself provides big potential savings, with project costs limited to just materials. But you need the tools and skills to install pipe, wiring, valves and sprinklers properly. Budget US$300-$800 to buy or rent a trencher, compactor plus assorted gear for cutting, gluing and crimping PVC pipe.

Watch online tutorials to learn technical skills like programming timers and pressure-testing. Allow extra time and materials for inevitable mistakes. Consider having an irrigation professional review the design and provide consulting during the process for US$200-$500. This helps avoid costly errors. Even with DIY labour, materials for quality components add up quickly. Plan on at least US$1,000 to irrigate a typical residential yard properly. While self-installing irrigation takes effort, the cost savings compared to professional rates make it worthwhile if you have the ability.

Maintenance Costs

Ongoing maintenance is essential for any irrigation system. Plan on costs of US$200-$500 per year for basic upkeep of an average residential system. Routinely inspecting sprinkler heads, checking for leaks and adjusting timers takes 2-3 hours monthly during irrigation season. Annual spring start-up and winterization takes extra time.

Repairs like fixing broken sprinklers and pipes or replacing worn valves average US$100-$300 per year. Major repairs for things like replacing a cracked PVC mainline can run US$500-$1,000. At some point, worn components like valves and sprinkler heads need wholesale replacing, which might cost US$1,000+ every 10-15 years.

For complicated commercial systems, annual maintenance can exceed US$2,000. But don't skimp on upkeep – poor maintenance leads to inefficiency and higher water bills. Proper care ensures your system lasts and functions as designed.

Australia must return to nation building

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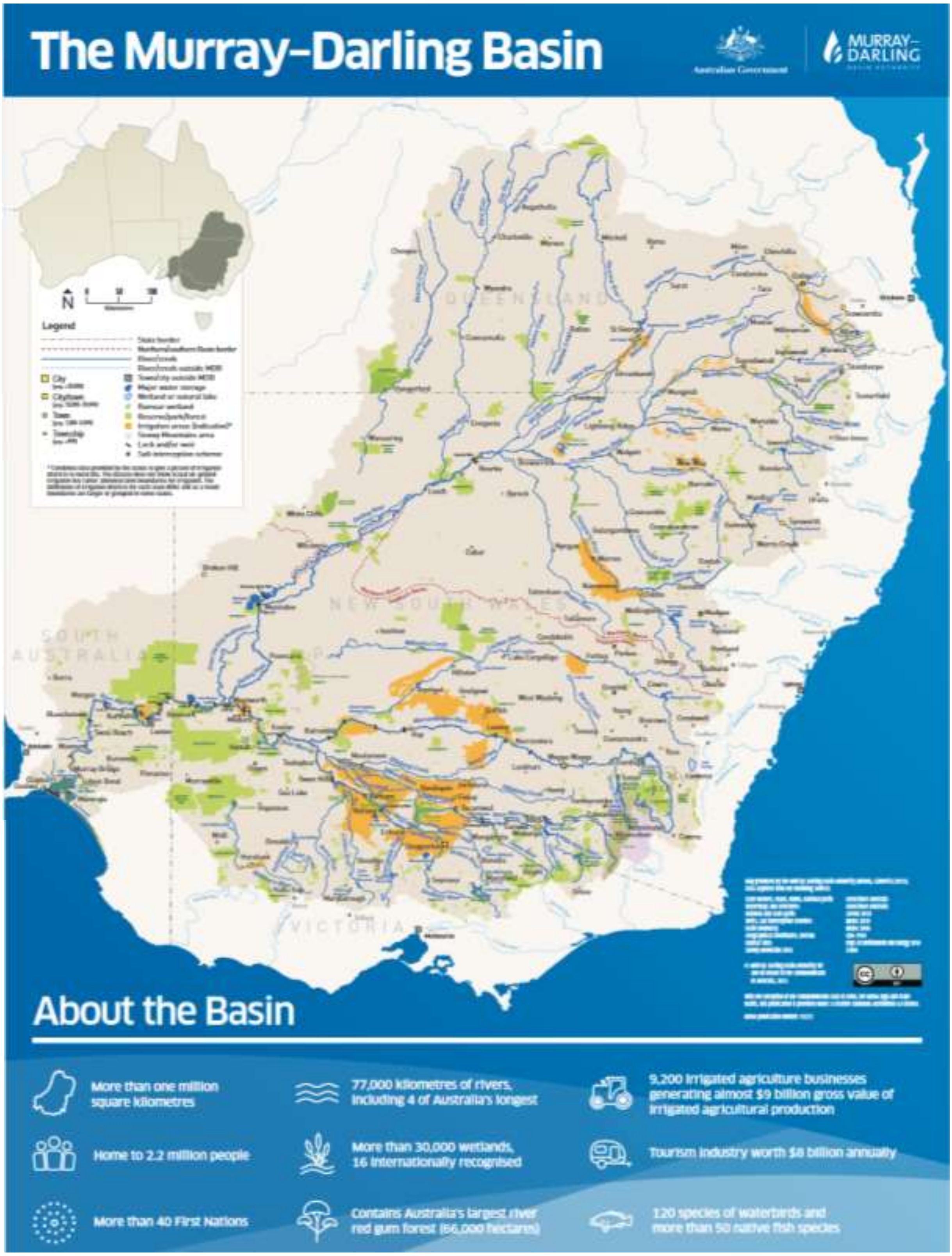

The Murray–Darling Basin

Australian Government
MURRAY–DARLING
Legend
QUEENSLAND
NEW SOUTH WALES
SOUTH AUSTRALIA
VICTORIA

About the Basin

- More than one million square kilometres
- 77,000 kilometres of rivers, including 4 of Australia's longest
- 9,200 irrigated agriculture businesses generating almost $9 billion gross value of irrigated agricultural production
- Home to 2.2 million people
- More than 30,000 wetlands, 16 internationally recognised
- Tourism industry worth $8 billion annually
- More than 40 First Nations
- Contains Australia's largest river red gum forest (66,000 hectares)
- 120 species of waterbirds and more than 50 native fish species

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https://www.mdba.gov.au/sites/default/files/publications/murray-darling-basin-boundary.pdf
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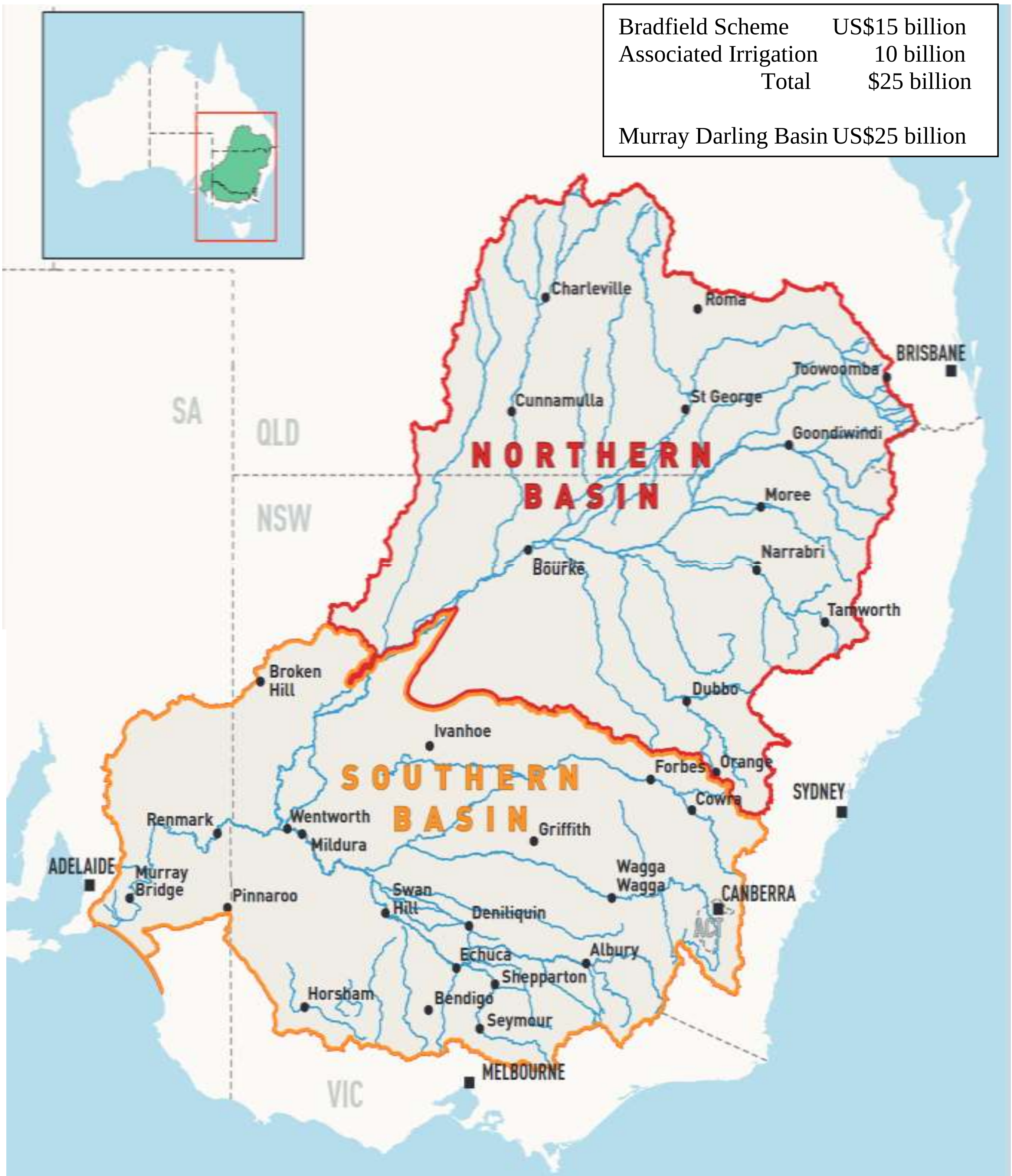


Bradfield Scheme	US$15 billion
Associated Irrigation	10 billion
Total	$25 billion
Murray Darling Basin	US$25 billion

NORTHERN BASIN
SOUTHERN BASIN
SA
QLD
NSW
VIC
ACT
Charleville
Roma
BRISBANE
Toowoomba
Cunnamulla
St George
Goondiwindi
Moree
Narrabri
Bourke
Tamworth
Broken Hill
Dubbo
Ivanhoe
Forbes
Orange
Cowra
SYDNEY
Renmark
Wentworth
Mildura
Griffith
ADELAIDE
Murray Bridge
Pinnaroo
Swan Hill
Deniliquin
Wagga Wagga
CANBERRA
Echuca
Albury
Shepparton
Horsham
Bendigo
Seymour
MELBOURNE

Humanity

The road to

TRUTH and FREEDOM

is through

OPEN and FREE

Universal Feelings Orientated

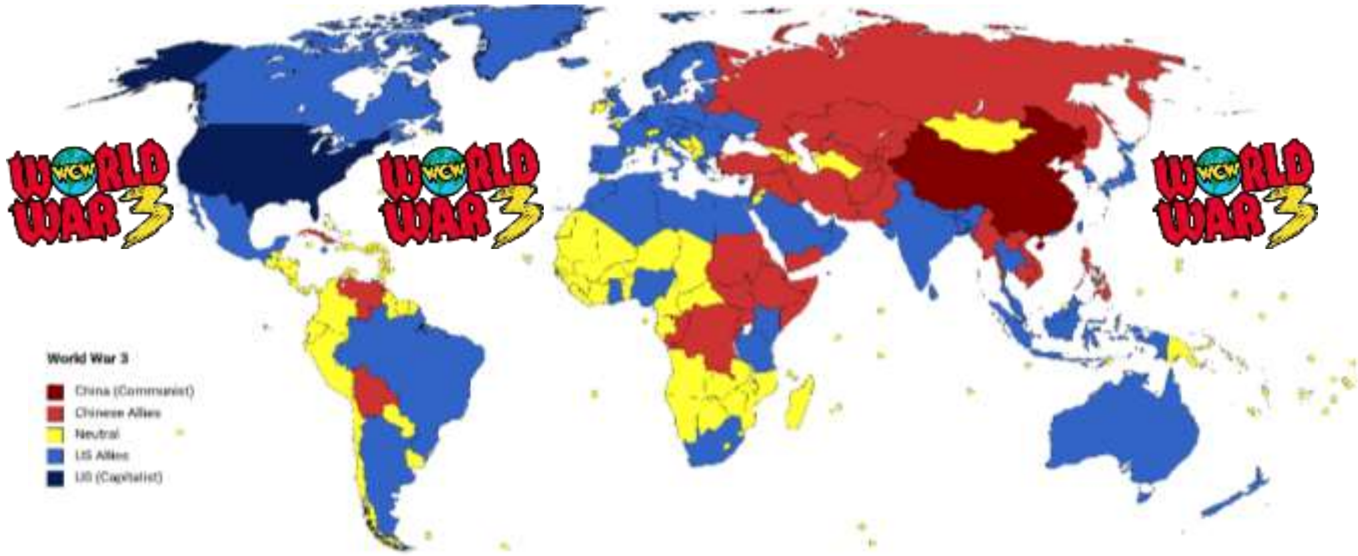
EDUCATION

This is the GATEWAY

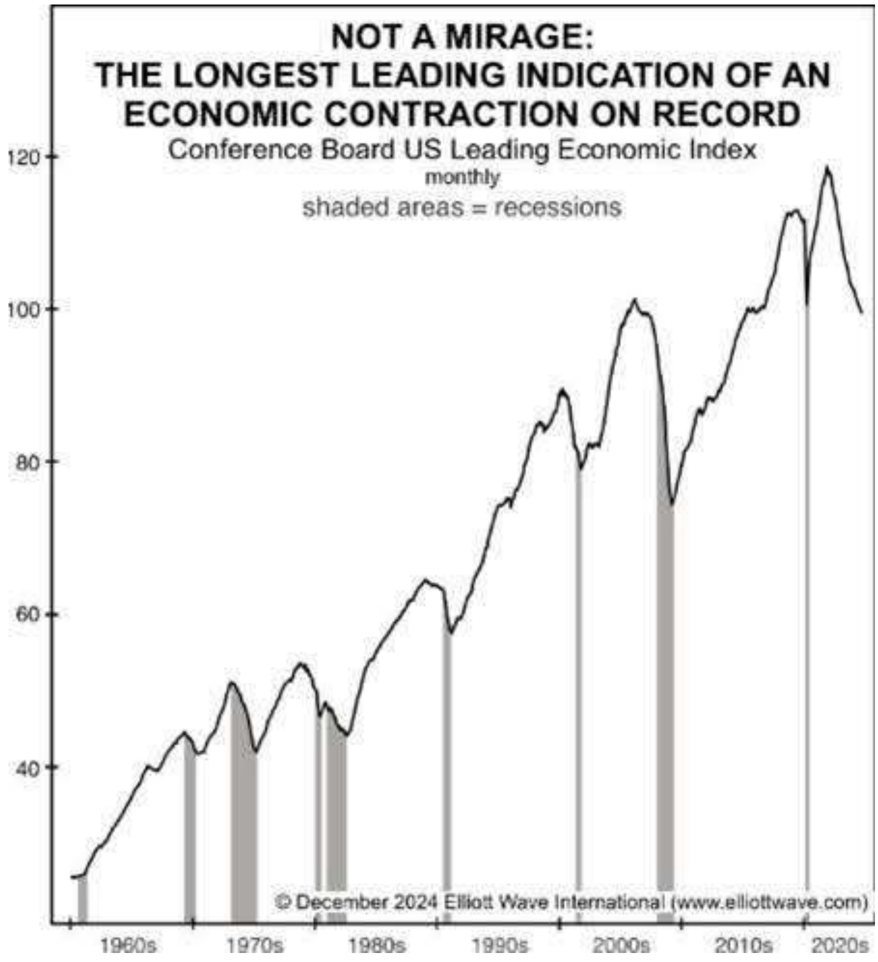
ISSUES on the HORIZON for HUMANITY:

GLOBAL CONFLICTS and FINANCIAL SYSTEMS COLLAPSE!

Neither may unfold, however the world is marching in preparation for worldwide conflict which would make an incredible mess of the northern hemisphere.


WCW WORLD WAR 3
WCW WORLD WAR 3
WCW WORLD WAR 3
World War 3
China (Communist)
Chinese Allies
Neutral
US Allies
US (Capitalist)

Meanwhile, the fiat currency global financial system is out of control and is likely to collapse, prior to or after a worldwide conflict. Nevertheless, all institutionalised systems worldwide are to be dismantled.



SSN-AUKUS
AUSTRALIA'S NUCLEAR SUBMARINE

The **SSN-AUKUS**, also known as the **SSN-A**, is a planned class of nuclear-powered attack submarine (SSN) intended to enter service with the United Kingdom's Royal Navy in the late 2030s and Royal Australian Navy in the early 2040s. The class will replace the UK's *Astute*-class and Australia's *Collins*-class submarines.

Australia’s nuclear submarine program will cost up to AU$368 billion over the next three decades, with confirmation that the federal government will buy at least three American-manufactured nuclear submarines and contribute "significant additional resources" to US shipyards.

One submarine will be built every two years from the early 2040s through to the late 2050s, with five SSN-AUKUS boats delivered to the Royal Australian Navy by the middle of the 2050s.

Eventually, the fleet would include **eight Australian submarines** built in Adelaide into the 2060s, but the federal government is leaving open the option of taking some from British shipyards if strategic circumstances change.

Meanwhile, the federal government estimates the cost of the submarine program will be between AU$268 billion and AU$368 billion over the next 30 years.

Nuclear submarine annual recurrent cost estimates. There will be significant ongoing outlays for platform sustainment, operational use and shore-based infrastructure.

AU$6-8 billion is more like 0.25%+ of GDP. That still may not sound like much, but more importantly for practical purposes and consequences, it’s around 12-17% of the current Defence budget. The army, navy and air force each have absorbed around 20-22% of the total Defence budget in recent years. So even 10% represents close to half of the navy’s budget. An SSN enterprise consuming around 15% of the total Defence budget would eat the navy.

Construction of a single Virginia-class submarine requires about nine million laboUr hours. This is what is needed from a shipyard that has been doing such work for decades. After years of gains in efficiency, the US Navy estimates that the marginal cost of each new boat is about $US3.5 billion (AU$5 billion). https://www.pbo.gov.au/sites/default/files/2023-05/The%20cost%20of%20nuclear%20submarines%20PDF.pdf

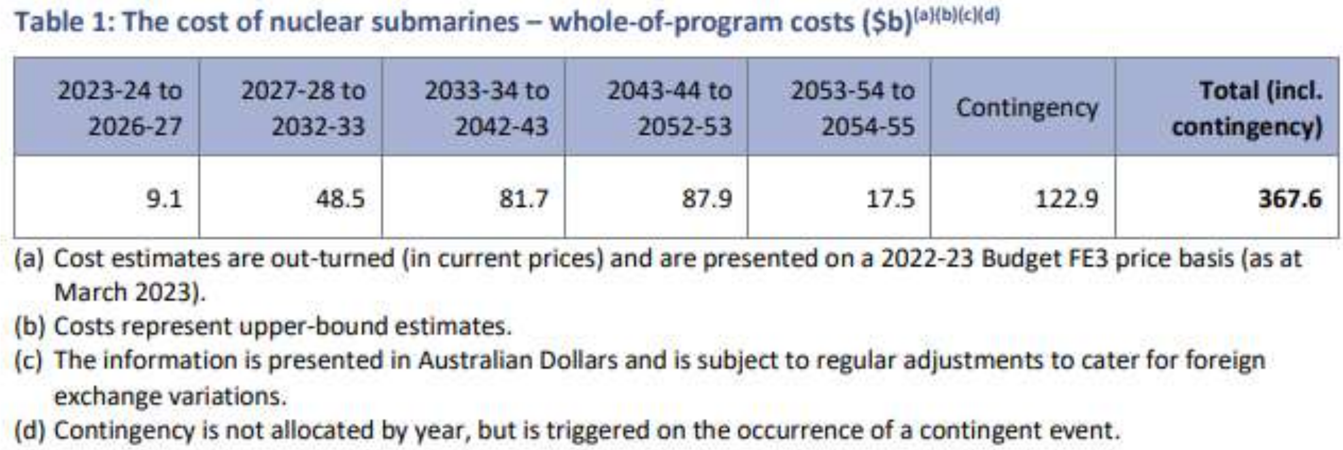


Table 1: The cost of nuclear submarines – whole-of-program costs ($b)[a][b][c][d]

2023-24 to 2026-27	2027-28 to 2032-33	2033-34 to 2042-43	2043-44 to 2052-53	2053-54 to 2054-55	Contingency	**Total (incl. contingency)**
9.1	48.5	81.7	87.9	17.5	122.9	**367.6**

(a) Cost estimates are out-turned (in current prices) and are presented on a 2022-23 Budget FE3 price basis (as at March 2023).
(b) Costs represent upper-bound estimates.
(c) The information is presented in Australian Dollars and is subject to regular adjustments to cater for foreign exchange variations.
(d) Contingency is not allocated by year, but is triggered on the occurrence of a contingent event.

Generally, military submarines are the most expensive, with **nuclear-powered subs costing US$2.5 billion to US$3 billion** (≈96153.8 years of non-stop labour at $15/hour - exceeding the time since humans made the first cave art) and **diesel-electric subs** ranging from US$200 million to U$$500 million (≈16025.6 years of work at $15/hour - more than the time since writing systems first developed)**.**

In total, a **new nuclear fast-attack sub** can demand over **US$100 million** (≈3205.1 years of work earning $15/hour - longer than the time since gunpowder changed warfare) in annual operating expenses including maintenance, fuel, supplies, and 150+ crew members.

Violence is never Justified

Never is hatred, nor discord, nor war among men justified – no matter what the cause – and if men will only learn the Truth there will never exist such feelings or acts. Militarism is all wrong. ***Jesus 25 December 1915***

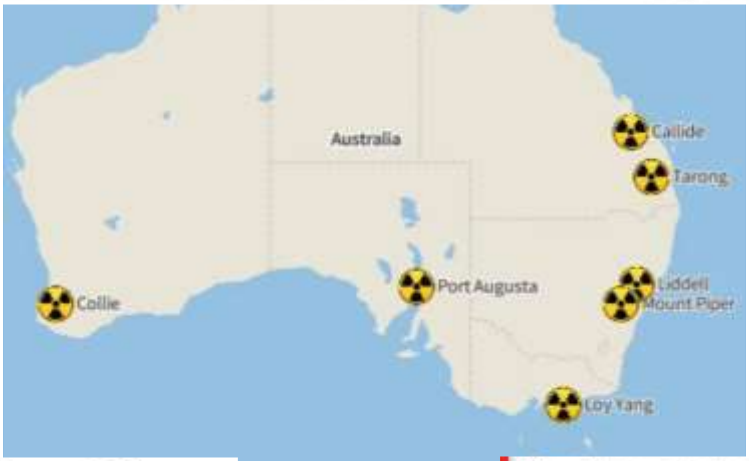
State Emergency Service

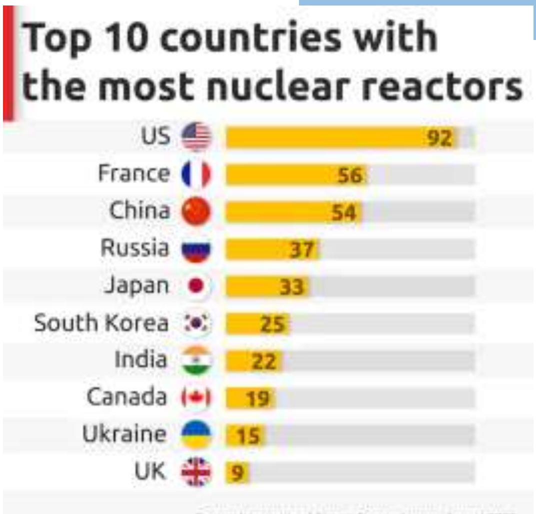
State Emergency Services need to be autonomously and automatically supported by all arms of the military services in times of crisis.

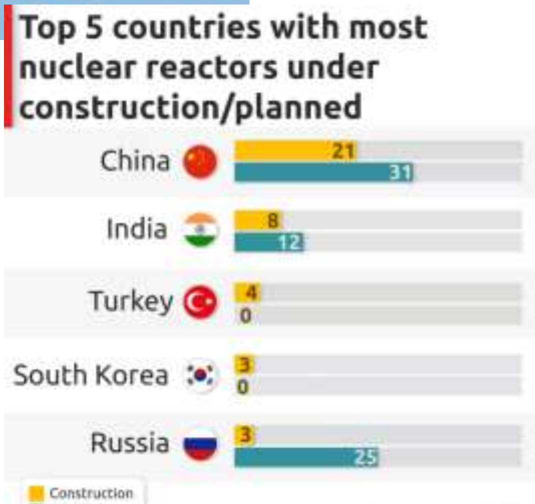
In the meantime, resources and equipment is to be bolstered for the SES units around Australia, with equipment that may be commercially engaged and then be called upon immediately as required.

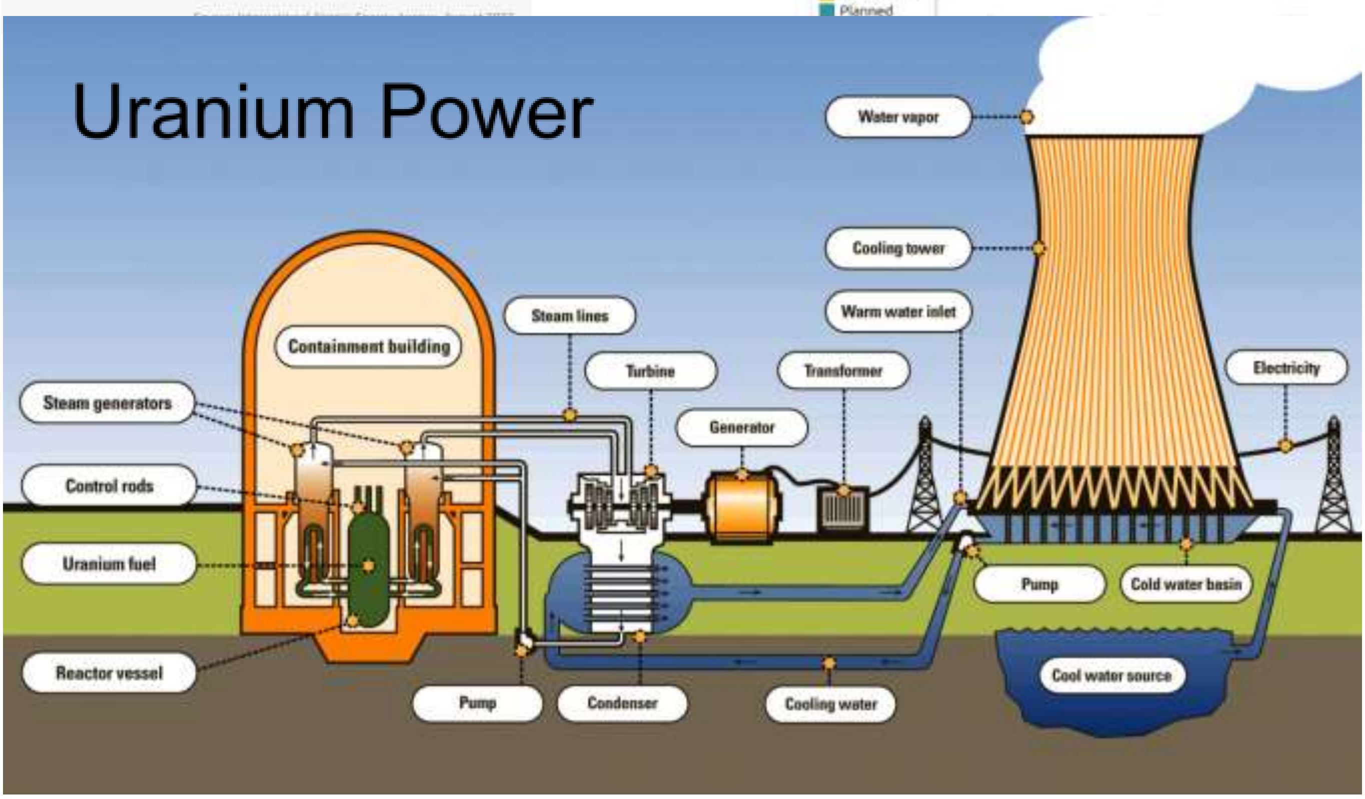
Administration and running costs are to be additionally funded as appropriate.

THORIUM REACTOR ENERGY !

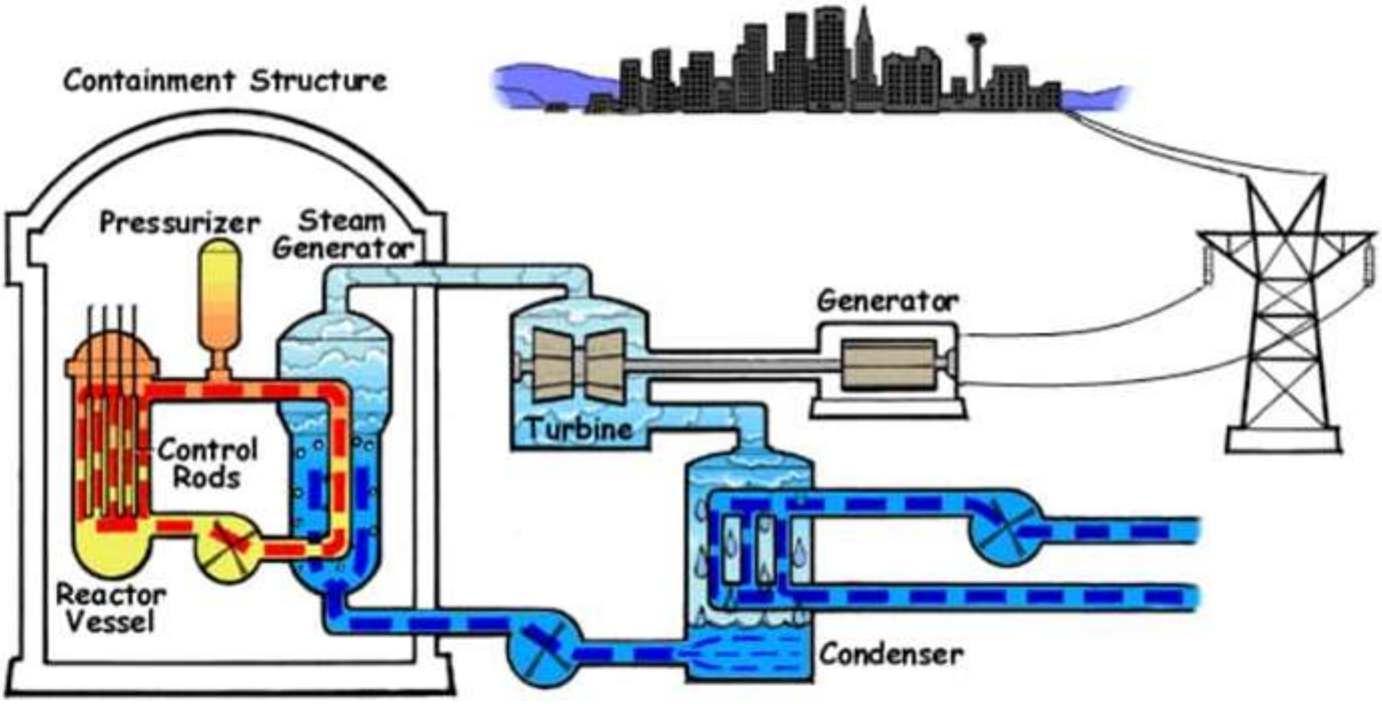

Australia
Callide
Tarong
Collie
Port Augusta
Liddell
Mount Piper
Loy Yang



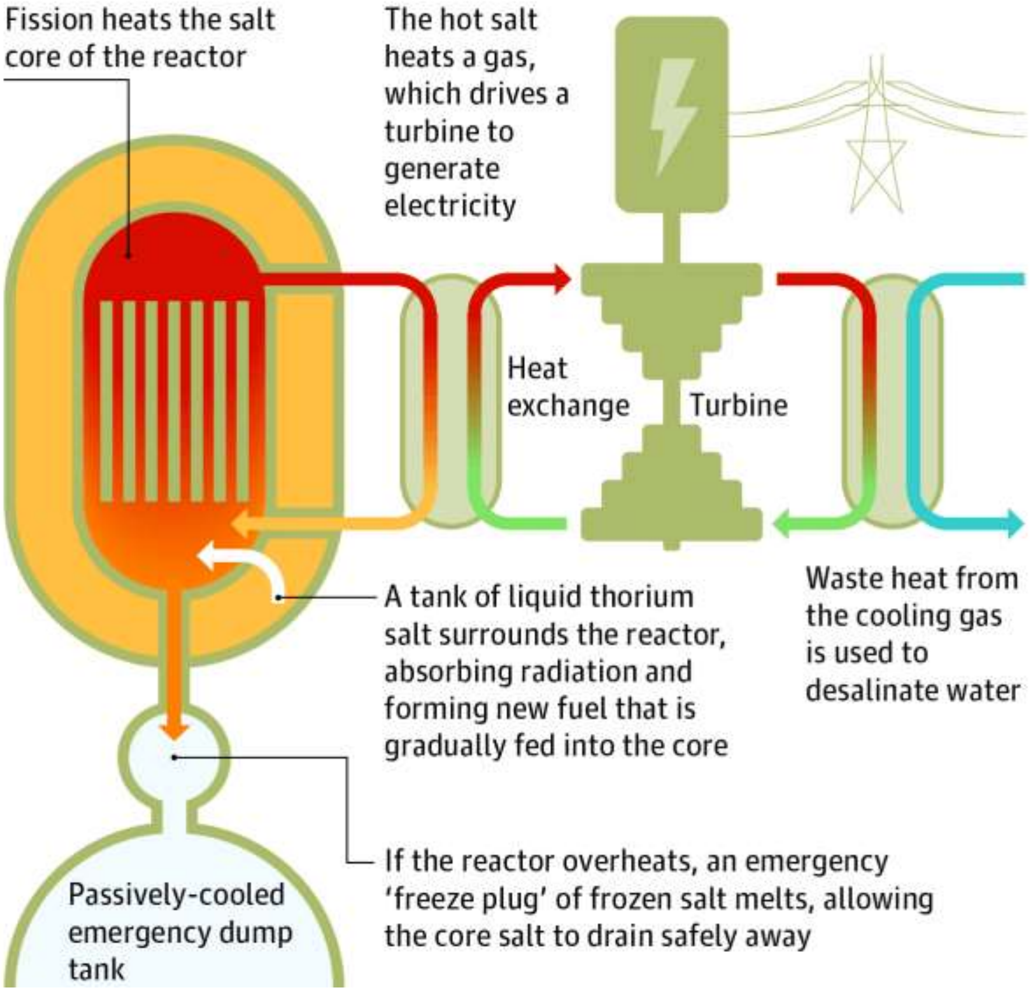



Uranium Power
Water vapor
Cooling tower
Warm water inlet
Steam lines
Containment building
Turbine
Transformer
Electricity
Generator
Steam generators
Control rods
Uranium fuel
Reactor vessel
Pump
Condenser
Cooling water
Pump
Cold water basin
Cool water source

Thorium Reactor Diagram


Containment Structure
Pressurizer
Steam Generator
Generator
Turbine
Control Rods
Reactor Vessel
Condenser

Liquid-fluoride thorium reactor


Heat exchange
Turbine
Passively-cooled emergency dump tank

Fission heats the salt core of the reactor

The hot salt heats a gas, which drives a turbine to generate electricity

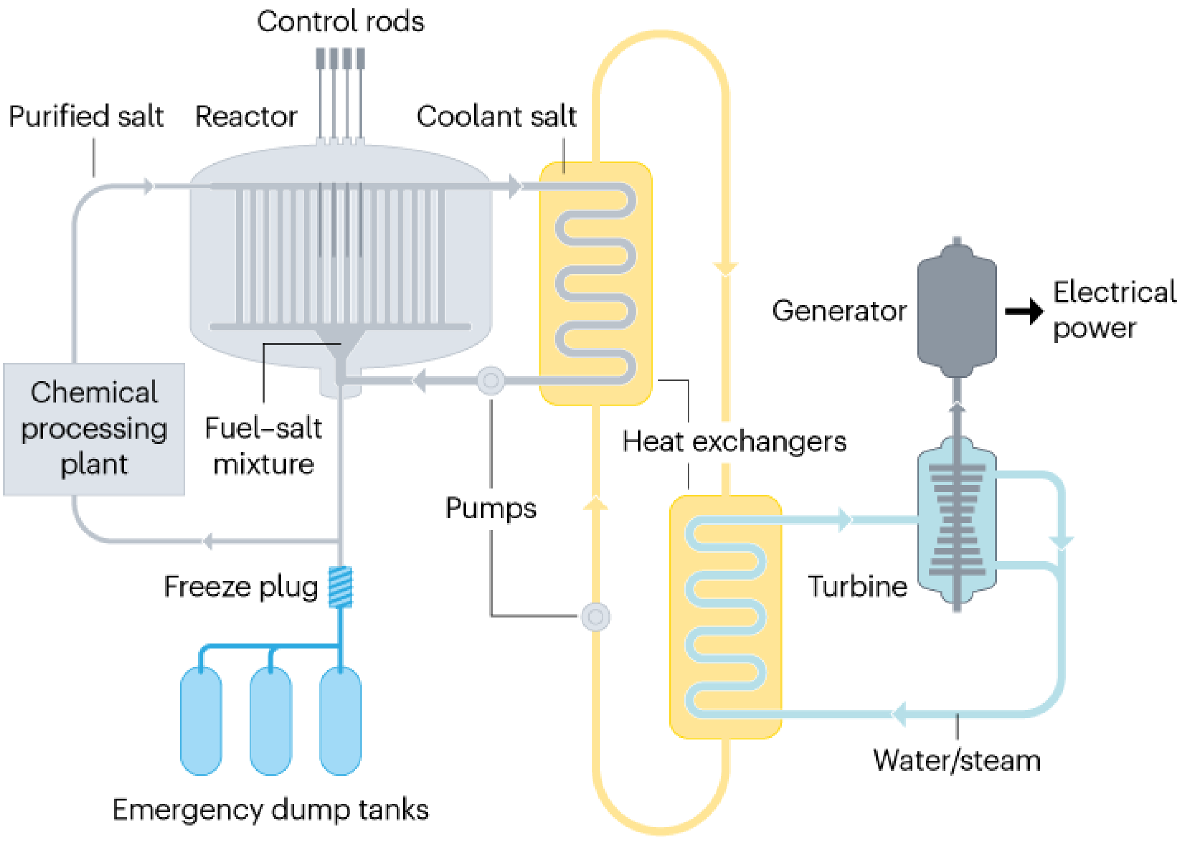
A tank of liquid thorium salt surrounds the reactor, absorbing radiation and forming new fuel that is gradually fed into the core

Waste heat from the cooling gas is used to desalinate water

If the reactor overheats, an emergency 'freeze plug' of frozen salt melts, allowing the core salt to drain safely away https://ar.inspiredpencil.com/pictures-2023/thorium-reactor-diagram

MOLTEN-SALT REACTOR

In a molten-salt nuclear reactor the fissile material is dissolved in liquid salt in the reactor core. Liquid salt also acts as a coolant in place of water. Fission occurs in the reactor core, generating heat, which is transmitted by the coolant salt and heat exchangers to water, producing steam. This drives a turbine to generate electricity. A frozen plug of salt melts if the reactor core overheats, allowing the fuel–salt mixture to drain into emergency dump tanks.



©nature

Advantage and Disadvantages of Thorium Reactors – Pros and Cons

Thorium Reactors – Advantages and Disadvantages

https://www.nuclear-power.com/nuclear-power-plant/reactor-types/thorium-reactor/advantage-and-disadvantages-of-thorium-reactors-pros-and-cons/

It is very difficult to explain the possible advantages and disadvantages. Some of the following points can be **valid** for one reactor design, and another point can be **invalid** for another thorium-based reactor. Therefore, **be careful when you argue for or against thorium reactors**.

Possible Advantages

- **The abundance of Natural Thorium**. Although the uranium resources may be very large, it is recognised that the thorium content of the earth's crust (0.0006% vs. 0.00018%) is about three times larger, reflecting its longer half-life. On the other hand, due to the low demand for thorium, the known reserves for uranium and thorium are both nearly identical.
- **Neutronic and Thermal Parameters**. For a thermal neutron spectrum ($E < 1$ eV) and the thorium-based fuel, the reproduction factor is considerably larger than for uranium-based fuel. Due to the very low capture-to-fission ratio, the reproduction factor for uranium 233 is about **$\eta = 2.25$.** From this point of view, is thorium fuel cycle is very promising. Another advantage can be the favourable

physical and chemical properties of **thorium dioxide**. Compared to the predominant reactor fuel, uranium dioxide (UO_2), thorium dioxide (ThO_2) has a higher melting point, higher thermal conductivity, and lower coefficient of thermal expansion. In particular, the thermal conductivity is important since it leads to a lower fuel pellets temperature.

- **Lower Production of Transuranic Elements.** The transuranic elements (plutonium and other minor actinides) are the major health concern of long-term (on the order of roughly 10^3 to 10^6 years) nuclear waste. In uranium-based fuels, only a single neutron capture in uranium 238 is sufficient to produce these transuranic elements, whereas five captures are generally necessary to do so from **thorium 232**. Therefore, thorium is a potentially attractive alternative to uranium-based fuels because the production of transuranic elements is significantly lower.
- **Proliferation Resistance**. Concerning proliferation significance, thorium-based fuels are generally accepted as proliferation-resistant compared to uranium-based fuels. This comes mostly from the fact that almost no plutonium is produced. In fact, if plutonium is used as the fissile component of thorium fuel, the plutonium is efficiently consumed. Moreover, the uranium 233 produced in thorium fuels is significantly contaminated with **uranium 232** in proposed power reactor designs. ^{232}U has a relatively short half-life of **68.9 years**, and therefore **the specific activity of ^{232}U is much higher** than the specific activity of the isotope ^{238}U. **In addition, the decay chain of ^{232}U produces very penetrating gamma rays.** The most important gamma emitter, accounting for about 85 percent of the total dose from ^{232}U after 2 years, is **thallium 208**, which emits gamma rays of 2.6 MeV, which are very energetic and highly penetrating. These intense radiations make the handling of fissile ^{233}U or reprocessed uranium contaminated with ^{232}U far more dangerous than conventional fuels.

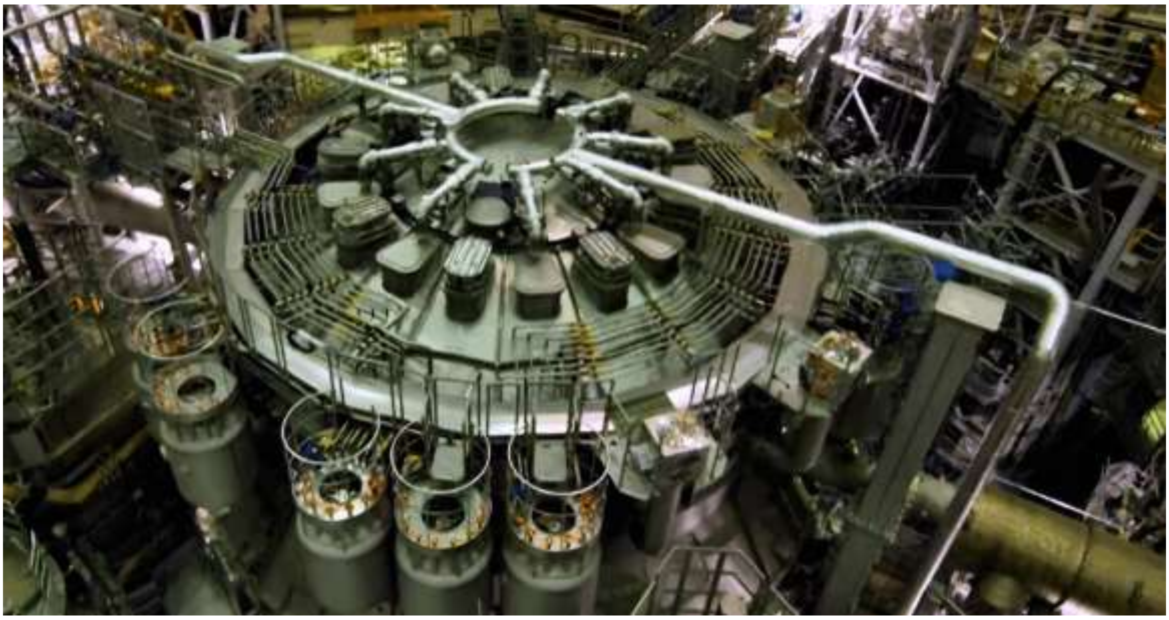
Possible Disadvantages

- **Material Buckling**. As was written, naturally occurring thorium is effectively mononuclidic of thorium 232, which is a fertile isotope. Therefore, another fissile material must be added to the initial fuel load to achieve criticality. This fact must be taken into account during considerations about possible advantages.
- **The half-life of ^{233}Pa.** Thorium 232 is “only” a fertile material, and the main problem can be directly in the breeding of fissile uranium 233. If **^{232}Th** is loaded in the nuclear reactor, the nuclei of **^{232}Th** absorb a neutron and become nuclei of **^{233}Th**. The half-life of **^{233}Th** is approximately **21.8 minutes**. **^{233}Th** decays (negative beta decay) to **^{233}Pa** (protactinium), whose half-life is **26.97 days**. **^{233}Pa** decays (negative beta decay) to **^{233}U**. Therefore, proposed reactor designs must attempt to physically isolate the protactinium from further neutron capture before beta decay can occur. ^{233}Pa is a significant neutron absorber and, although it eventually breeds into fissile ^{235}U, this requires two more neutron absorptions, which degrades neutron economy and increases the likelihood of transuranic production.
- **Radiation Protection.** **^{232}U** is produced from ^{232}Th via specific **(n,2n) reactions** in which an incoming neutron knocks two neutrons out of a target nucleus. ^{232}U has a relatively short half-life of 68.9 years, and therefore **the specific activity of ^{232}U is much higher** than the specific activity of the isotope ^{238}U. **In addition, the decay chain of ^{232}U produces very penetrating gamma rays.** These gamma rays are hard to shield, requiring more expensive spent fuel handling and/or reprocessing.
- **Delayed Neutrons**. Another important aspect of reactor safety is the **delayed neutron fraction**. Although the **number of delayed neutrons** per fission neutron **is quite small (typically below 1%)** and thus does not contribute significantly to the power generation, **they play a crucial role in reactor control**. They are essential from the point of view of reactor kinetics and **reactor safety**. The delayed neutron fraction is significantly lower for uranium 233 than for uranium 235. As a result, a reactor in which uranium 233 is the predominant isotope responds more rapidly and puts increased demands on the design of the control system.

China Activates World’s First Thorium Reactor — U.S. Tech Inside

https://engineerine.com/worlds-first-thorium-reactor/ 24 April 2025

In a landmark achievement for nuclear energy, **China has successfully activated the world’s first operational thorium reactor**, signalling a new era in clean and safe power generation. But the story takes a surprising twist — this cutting-edge breakthrough is actually built on **declassified U.S. technology** from decades ago. As the West stood still, China revived a dormant innovation and may now be years ahead in the race for sustainable energy.



What is a Thorium Reactor, and Why Does It Matter?

Unlike conventional nuclear reactors that use uranium, thorium reactors rely on **thorium-232**, a naturally abundant radioactive element. When thorium absorbs a neutron, it transmutes into uranium-233, which then undergoes fission to release energy.

Here's what makes it revolutionary:

- **Increased Safety**: Thorium reactors operate at atmospheric pressure and use molten salts, which are far less likely to cause meltdowns compared to pressurised water reactors.
- **Reduced Nuclear Waste**: They generate significantly less long-lived radioactive waste, and the waste produced is dangerous for hundreds of years — not thousands.
- **Proliferation Resistance**: Thorium cycles make it harder to produce weapons-grade materials.
- **Fuel Abundance**: Thorium is about **four times more abundant than uranium** in Earth's crust.

The U.S. Invented It. China Made It Work.

The concept of molten salt thorium reactors (MSRs) was pioneered by the United States during the 1960s at **Oak Ridge National Laboratory**. Despite their potential, the U.S. abandoned the research in favour of uranium-based designs better suited for nuclear submarines and weapons development.

Decades later, China dusted off these declassified blueprints and invested billions in advancing the technology. In 2021, China's Shanghai Institute of Applied Physics (SINAP) completed construction of a **2-megawatt experimental thorium reactor** in the Gobi Desert. Now, it's fully operational — a global first.

A Strategic Energy Pivot

Thorium fits neatly into China's larger energy and geopolitical ambitions:

- **Energy Independence**: By leveraging thorium reserves, China reduces reliance on foreign uranium suppliers.
- **Net-Zero Commitment**: The reactor supports Beijing’s pledge to reach peak carbon emissions by 2030 and carbon neutrality by 2060.
- **Global Energy Leadership**: As other nations hesitate, China is shaping the future of nuclear technology — and setting the standards.

The Gobi Desert reactor will serve as a testbed for **larger 373 MW commercial thorium plants** planned for the 2030s. If successful, China could export this technology worldwide.

Global Implications: A Wake-Up Call for the West

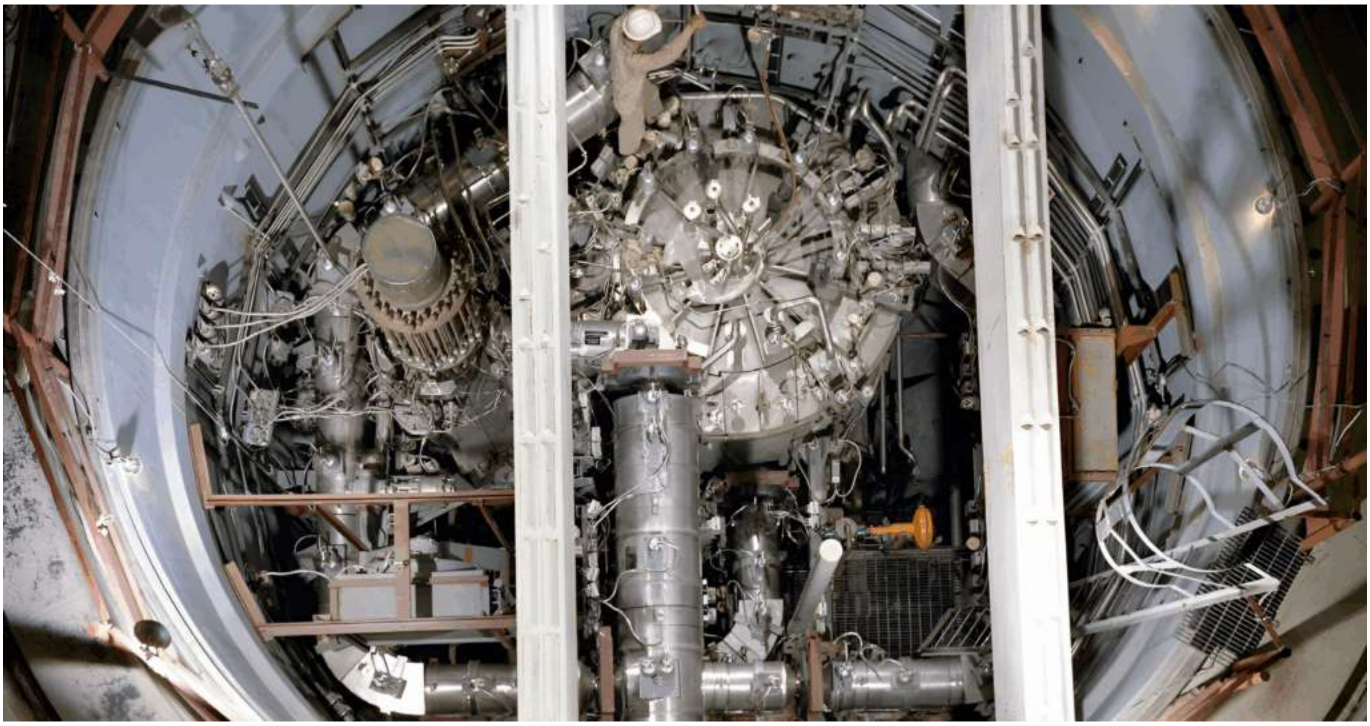
While the U.S. and European nations continue debating nuclear policy, **China has moved from lab experiments to working infrastructure**. The implications are massive:

- **Technological Leadership**: China is turning into the global nucleus of next-gen nuclear R&D.
- **Energy Diplomacy**: Thorium reactors could become tools of soft power, especially in energy-hungry developing nations.
- **Economic Edge**: Clean, scalable power generation could reduce China’s industrial energy costs and boost its economic competitiveness.

This development raises critical questions: Will Western nations now race to catch up? Or has China permanently leapfrogged the competition?

Could Thorium Replace Uranium?

Not entirely — at least not yet.



Early experimental thorium-based nuclear reactor at Oak Ridge National Laboratory, USA, 1960s (Photo: Oak Ridge National Laboratory/US DOE)

While thorium has numerous advantages, it also presents engineering and regulatory challenges:

- It doesn’t fissile on its own and needs a **neutron source** (like plutonium or uranium) to start the reaction.
- The **molten salt medium is corrosive**, requiring specialised materials.
- Global supply chains are not yet optimised for thorium infrastructure.

Still, its **long-term potential as a safer and cleaner nuclear option** remains undeniable.

Rewriting the Rules of Nuclear Safety

Traditional nuclear power has faced decades of scrutiny due to disasters like Chernobyl and Fukushima. Thorium reactors, by design, **address the major fears**:

- They can't explode.
- They cool passively.
- They minimise hazardous waste.

By reinventing how we think about atomic energy, China is offering a new vision: **nuclear energy that's both safe and sustainable**.

Why the U.S. May Regret Shelving the Idea

Thorium reactor technology was once an American innovation. But **short-term defence goals, budget constraints, and political inertia** pushed it into obscurity.

Now, the U.S. faces a scenario where it must import — or license — a technology it originally created. Unless urgent action is taken, this could become yet another example of **lost scientific leadership**.

Conclusion: The Future is (Radioactively) Bright

China's thorium reactor may be small, but its symbolism is massive. It proves that bold investment, long-term vision, and a willingness to revisit the past can yield game-changing results.

As the climate crisis accelerates, and demand for low-carbon energy soars, thorium could become **a centrepiece of the 21st-century energy mix**.

While the West debates, **China builds** — and perhaps secures its place as the global power of clean nuclear energy.

Thorium’s Long-Term Potential in Nuclear Energy: New IAEA Analysis

https://www.iaea.org/newscenter/news/thoriums-long-term-potential-in-nuclear-energy-new-iaea-analysis

13 March 2023

In August 2021, China announced the completion of its first experimental thorium-based nuclear reactor. Built in the middle of the Gobi Desert in the country’s north, the reactor over the next few years will undergo testing. If the experiment proves successful, Beijing plans to construct another reactor potentially capable of generating electricity for more than 100 000 homes.

China is not alone in its intentions to reap thorium's unique properties. In the past, India, Japan, the United Kingdom, the United States of America and other countries have demonstrated enthusiasm for research into the possible application of thorium in nuclear power. The appeal of this metal is its potential to be a more abundant and efficient substitute for uranium, the dominant nuclear fuel.

However, using thorium for energy production is not without challenges, and these are discussed in a new IAEA publication Near-Term and Promising Long-Term Options for the Deployment of Thorium-Based Nuclear Energy. Comprehensively summarising the results of a four-year IAEA coordinated research project focused on the possibilities of developing thorium-based nuclear energy, the report examines the benefits and the challenges of using thorium as a fuel and analyses its application in different types of reactors — from the most commonly deployed water-cooled reactors to molten-salt reactors.

“Many countries consider thorium as both a viable and very attractive option for generating power and meeting their growing energy needs,” said Kailash Agarwal, a Nuclear Fuel Cycle Facilities Specialist at the IAEA and one of the authors of the report. “Our research project helped share valuable knowledge and experience among national laboratories and research institutions in the use of thorium, culminating in this publication.”

Thorium is a silvery, slightly radioactive metal commonly found in igneous rocks and heavy mineral sands. It was named after Thor, the god of thunder in Norse mythology. It is three to four times more abundant in nature than uranium but historically has found little use in industry or power generation. This is partly because thorium in itself is not a nuclear fuel, but it can be used to create one. Thorium-232, the only naturally occurring isotope of thorium, is a fissionable material but not a fissile one, meaning that it needs high-energy neutrons to undergo fission — the splitting of atomic nuclei which releases energy that is used for electricity generation. However, when irradiated, thorium-232 undergoes a series of nuclear reactions, eventually forming uranium-233, a fissile material that can be burned up as fuel in nuclear reactors.

What can thorium offer?

Thorium boasts several advantages over the conventional nuclear fuel, uranium-235. Thorium can generate more fissile material (uranium-233) than it consumes while fuelling a water-cooled or molten-salt reactor. According to estimates, the Earth's upper crust contains an average of 10.5 parts per million (ppm) of thorium, compared with about 3 ppm of uranium.

“Because of its abundance and its fissile material breeding capability, thorium could potentially offer a long-term solution to humanity’s energy needs,” Agarwal said.

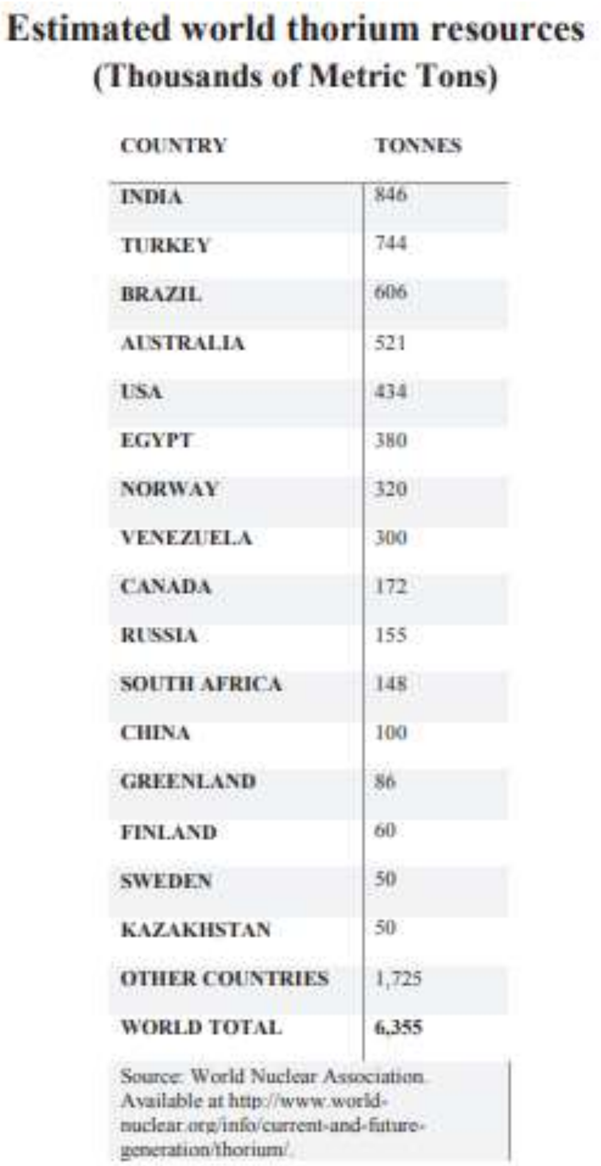
Another advantage is that thorium-fuelled reactors could be much more environmentally friendly than their uranium counterparts. In addition to the fact that these reactors — and nuclear power in general —

do not emit greenhouse gases in operation, they also produce less long-lived nuclear waste than present-day uranium-fuelled reactors.

Not without challenges

However, there are several economic and technical obstacles making the deployment of thorium challenging. Despite its abundance, the metal is currently expensive to extract.

“The mineral monazite, which is a major source of rare earth elements, is also a primary source of thorium,” said Mark Mihalasky, a Uranium Resources Specialist at the IAEA. “Without the current demand for rare earth elements, monazite would not be mined for its thorium content alone. Thorium is a by-product, and extraction of thorium requires methods that are costlier than for uranium. So, as it stands, the amount of thorium that can be pulled out of the ground in a cost-effective manner is not as great as for uranium. This, however, could change if there was a higher demand for thorium and its application in nuclear power.”



Estimated world thorium resources (Thousands of Metric Tons)

COUNTRY	TONNES
INDIA	846
TURKEY	744
BRAZIL	606
AUSTRALIA	521
USA	434
EGYPT	380
NORWAY	320
VENEZUELA	300
CANADA	172
RUSSIA	155
SOUTH AFRICA	148
CHINA	100
GREENLAND	86
FINLAND	60
SWEDEN	50
KAZAKHSTAN	50
OTHER COUNTRIES	1,725
WORLD TOTAL	6,355

Source: World Nuclear Association. Available at http://www.world-nuclear.org/info/current-and-future-generation/thorium/

Equally expensive are research, development and testing of thorium-powered nuclear installations due to a lack of significant experience with thorium and uranium's historical pre-eminence in nuclear power. “Another hurdle for thorium is that it can be difficult to handle,” said Anzhelika Khaperskaia, Technical Lead on Fuel Engineering and Fuel Cycle Facilities at the IAEA. Being a fertile and not fissile material, it needs a driver, such as uranium or plutonium, to trigger and maintain a chain reaction.

“To meet growing energy demand and achieve global climate objectives, the world is looking for alternative sustainable and reliable energy technologies. Thorium may become one of those,” concluded Clément Hill, Section Head at the IAEA. “We will continue our research to deliver credible and science-based results for those interested in working with thorium.”

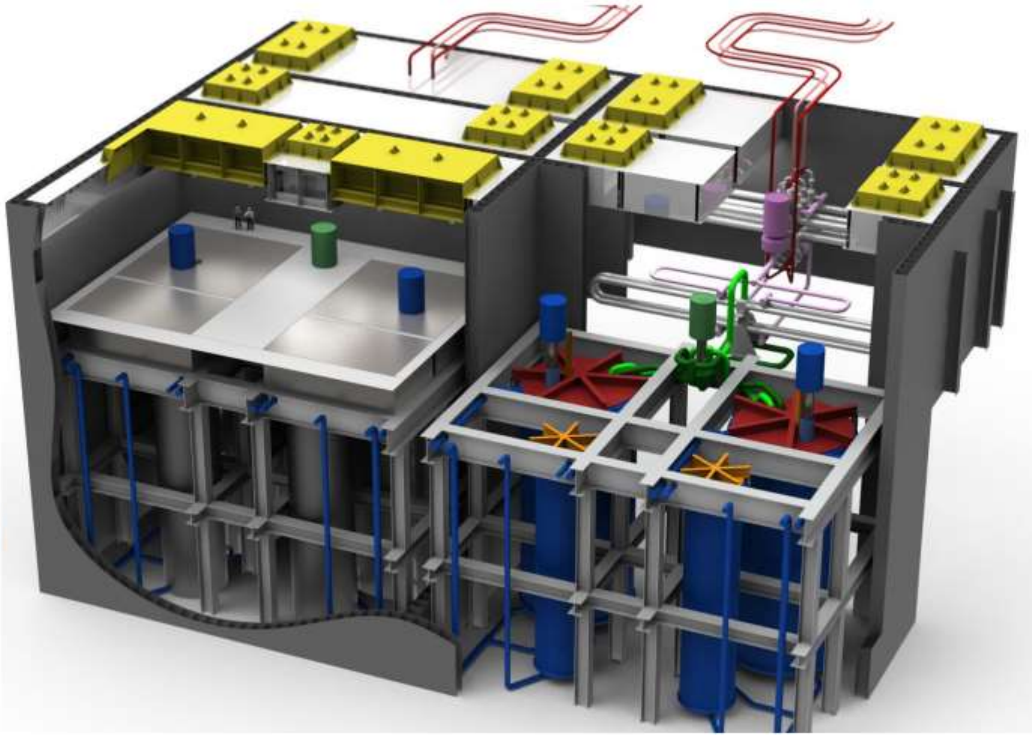
http://www.ncpathinktank.org/pdfs/ib149.pdf

As a result of lower capital costs, fuel costs and waste disposal costs, thorium-generated electricity costs could be lower than electricity produced from natural gas or coal. Comparing a rough estimate of the potential cost of electricity from thorium with average prices for other forms of generation, **in 2002**: ■ The real cost of electricity generated by U.S. nuclear power plants was US6.7 cents per kilowatt hour (kwh). ■ Electricity from plants burning pulverized coal cost US4.2 cents/kwh to produce. ■ Electric power from moderately priced natural gas cost US4.1 cents/kwh. ■ **Power from a thorium reactor would cost, by comparison, cost an estimated US1.4 cents/kwh. Thus, thorium has the potential to reduce retail electricity prices significantly.**

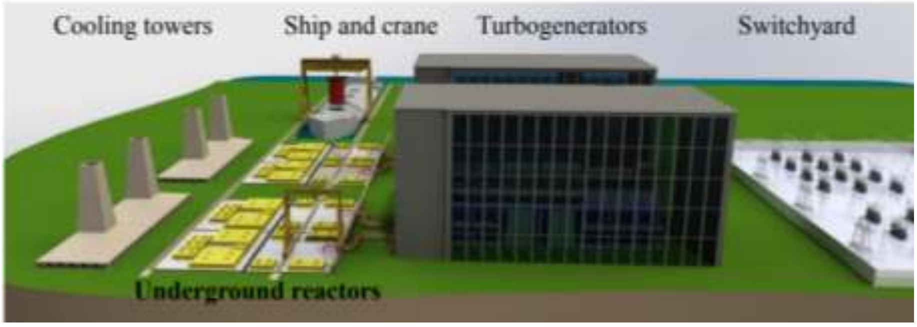
https://thoriumenergyalliance.com/wp-content/uploads/2020/02/MSR-and-Thorium-Energy-TEAC8-Dolan.pdf

ThorCon Reactors

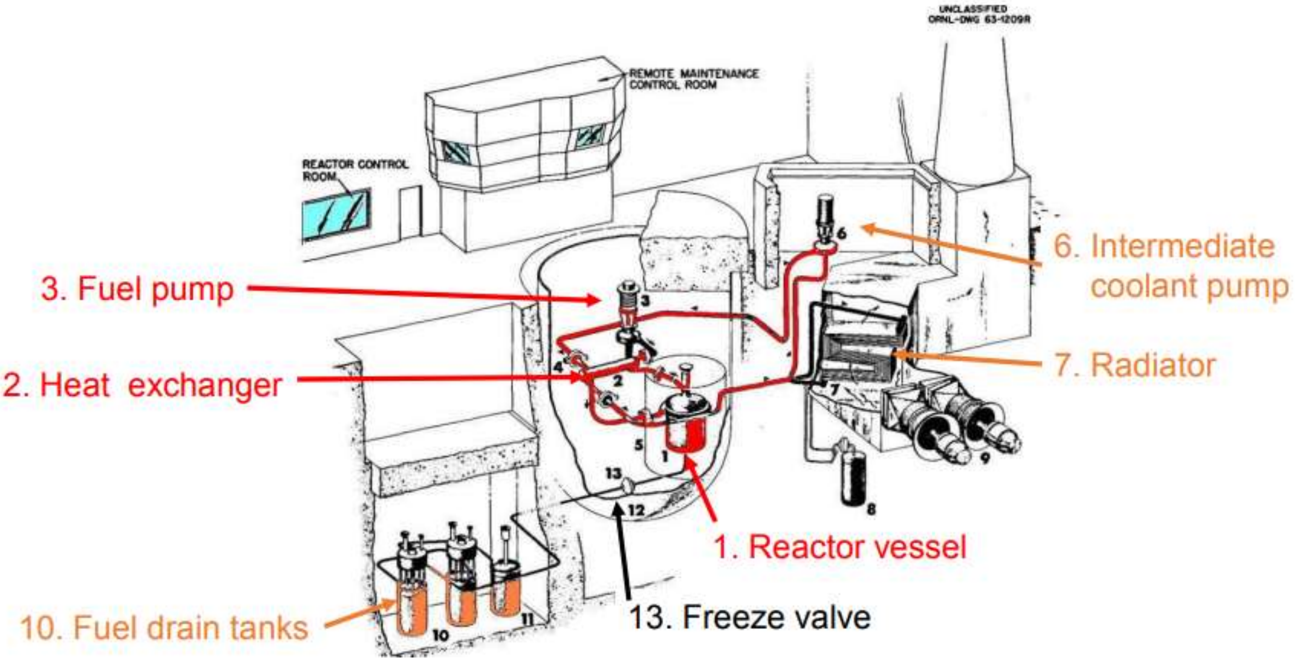
Underground siting



ThorCon Power Plant


Cooling towers
Ship and crane
Turbogenerators
Switchyard
Underground reactors

Molten Salt Reactor Experiment (MSRE) at ORNL


UNCLASSIFIED
ORNL-DWG 63-1209R
REMOTE MAINTENANCE CONTROL ROOM
REACTOR CONTROL ROOM
3. Fuel pump
2. Heat exchanger
6. Intermediate coolant pump
7. Radiator
1. Reactor vessel
13. Freeze valve
10. Fuel drain tanks
1
2
3
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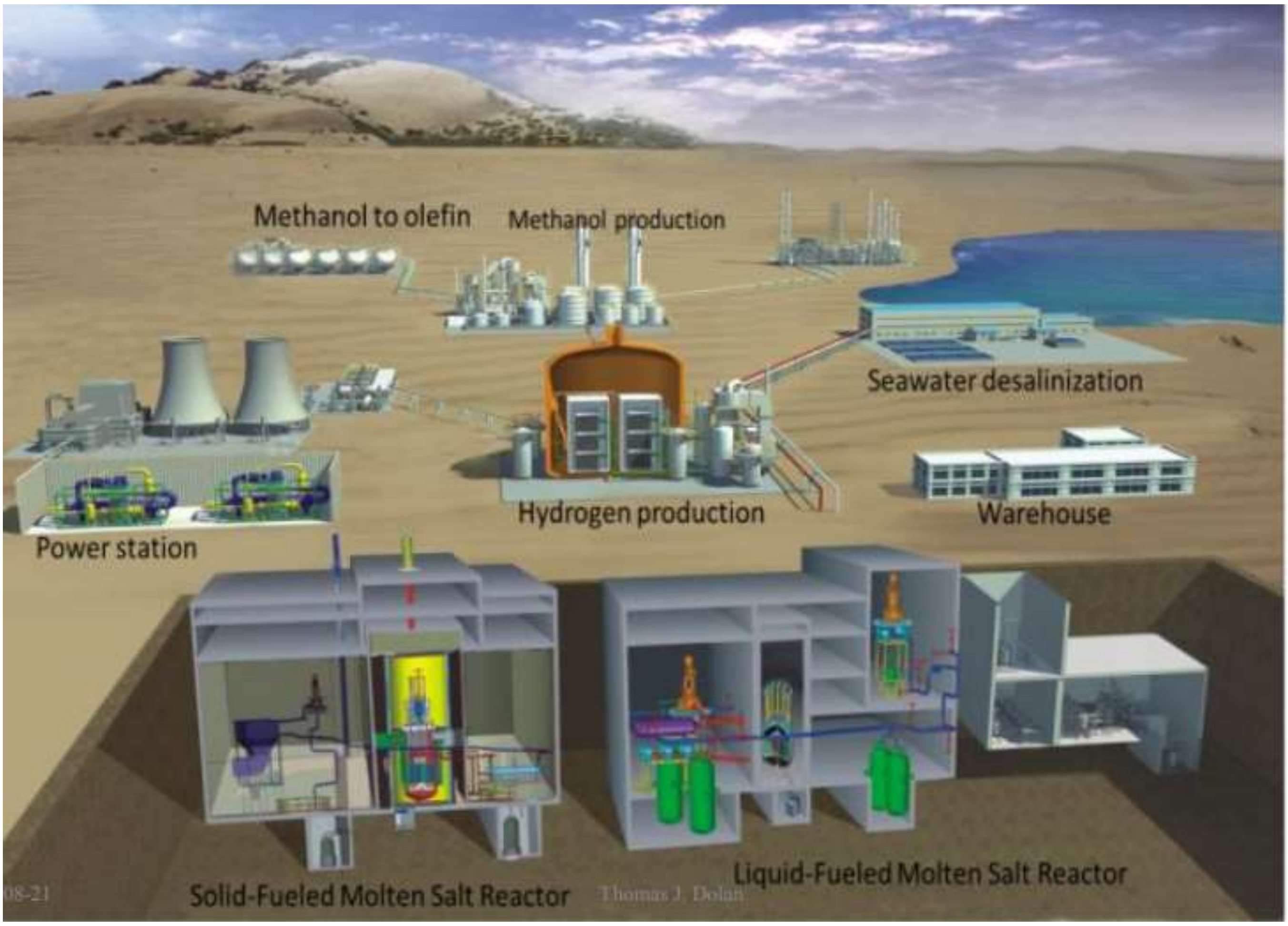
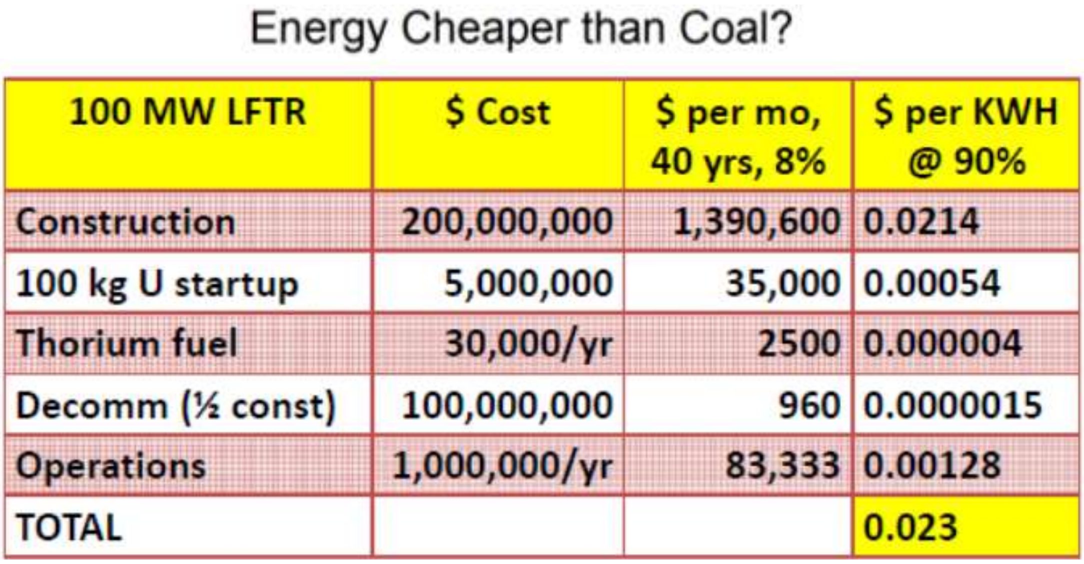
https://thoriumenergyalliance.com/wp-content/uploads/2020/02/MSR-and-Thorium-Energy-TEAC8-Dolan.pdf


Methanol to olefin
Methanol production
Seawater desalinization
Power station
Hydrogen production
Warehouse
08-21
Solid-Fueled Molten Salt Reactor
Thomas J. Dolan
Liquid-Fueled Molten Salt Reactor

We envision a world with affordable molten salt reactors burning thorium, uranium, and actinides; producing electricity, hydrogen, and desalinated water, with no serious accidents.



Energy Cheaper than Coal?

100 MW LFTR	$ Cost	$ per mo, 40 yrs, 8%	$ per KWH @ 90%
Construction	200,000,000	1,390,600	0.0214
100 kg U startup	5,000,000	35,000	0.00054
Thorium fuel	30,000/yr	2500	0.000004
Decomm (½ const)	100,000,000	960	0.0000015
Operations	1,000,000/yr	83,333	0.00128
TOTAL			0.023

Large-scale Nuclear Costs: Has the CSIRO hit the mark?

https://www.energycouncil.com.au/analysis/large-scale-nuclear-costs-has-the-csiro-hit-the-mark/

23 May 2024

In summary, based on the South Korean costs and extrapolation to Australia, the CSIRO expects the capital costs of a large-scale nuclear plant in 2023 in Australia to be AU$9,217/kW or AU$9.2 million/MW and that this figure would only be achieved if there was a commitment to a continuous build program. There is an expectation that the capital cost for the first large-scale plant, however, would be higher than the estimate because of the challenges of building a first-of-a-kind (FOAK) technology in Australia. It also notes that "FOAK premiums of up to 100% cannot be ruled out".

The estimated electricity cost range based on those capital costs and a continuous build program from large-scale nuclear is AU$163/MWh-$264/MWh, which would be expected to come down by 2040 to AU$141/MWh-$232/MWh.

The Challenges of Comparison

The GenCost report notes that some of the challenges in trying to pin down an estimation for Australian nuclear plant costs based on overseas data includes:

- Likely higher local installation costs compared to overseas best practice. This is based on what has been seen for most generation technologies in Australia.
- Lack of a skilled local nuclear workforce. While the CSIRO notes an experienced workforce could be brought into the country, it would involve extra costs.

The report also notes that where lower installation costs of nuclear plants have been reported overseas, it has stemmed from factors such as:

- Low labour costs (such as in the UAE).
- Retention of a skilled workforce through an extended build program.
- Lower environmental and safety standards.
- Governance, cultural factors and lower levels of litigation.
- Explicit or other subsidies.

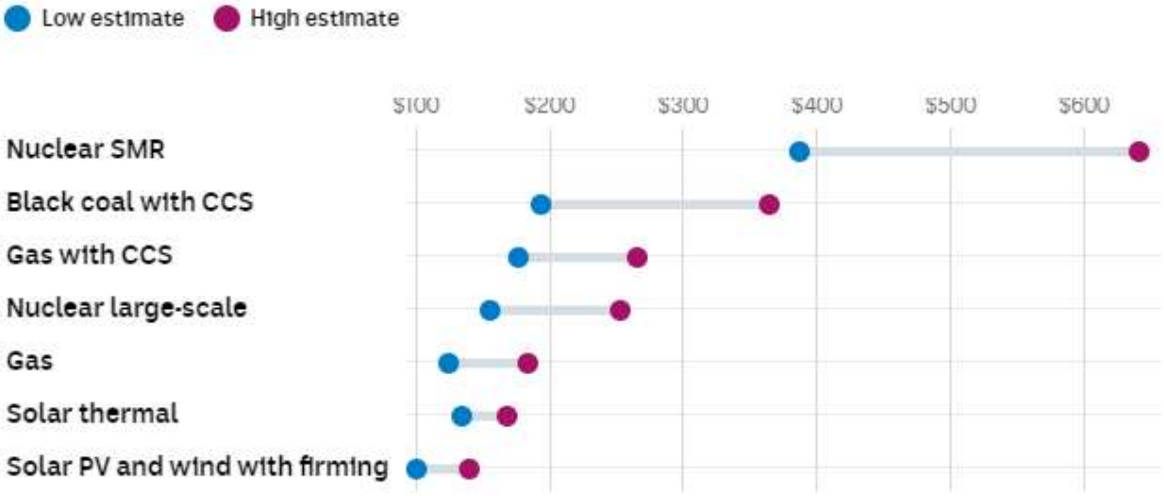
Whilst there is a risk of a FOAK premium for a nuclear build in Australia, the CSIRO has not included it for large-scale nuclear given it has not included a premium for other technologies that are also not yet deployed locally, such as solar thermal or offshore wind.

We did an update and looked at the cost of large-scale nuclear reactors, and they're cheaper — on the order of AU$150 to AU$250 a megawatt hour. "That's still one and a half to two times the cost of renewables." So they are still higher cost than deploying solar and wind.

In short: Australia's leading scientific organisation found it would cost at least **AU$8.5 billion to build a large-scale nuclear power plant** in the country.

In its latest GenCost report, CSIRO estimates nuclear power to be at least 50% more expensive than wind and solar power backed by batteries.

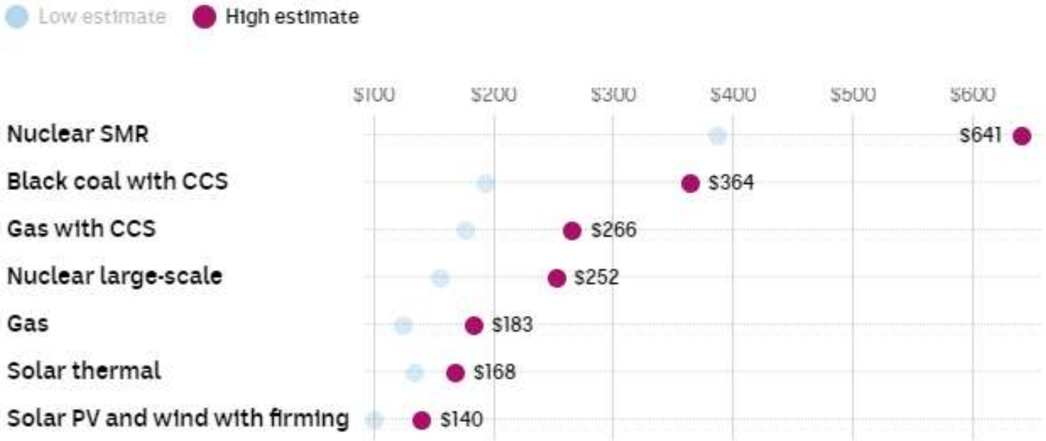
Estimated cost of power sources in 2023



Figures are cost per megawatt hour. CCS is "carbon capture and storage", reflecting the costs if coal and gas projects were required to offset their emissions with CCS technology.

ABC News / Source: CSIRO and AEMO GenCost / Get the data

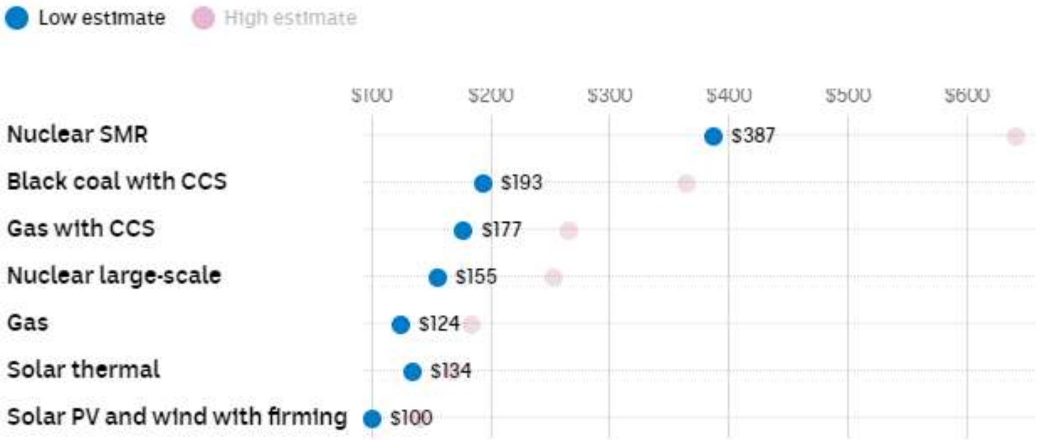
Estimated cost of power sources in 2023



Figures are cost per megawatt hour. CCS is "carbon capture and storage", reflecting the costs if coal and gas projects were required to offset their emissions with CCS technology.

ABC News / Source: CSIRO and AEMO GenCost / Get the data

Estimated cost of power sources in 2023



Figures are cost per megawatt hour. CCS is "carbon capture and storage", reflecting the costs if coal and gas projects were required to offset their emissions with CCS technology.

ABC News / Source: CSIRO and AEMO GenCost / Get the data

Australia's Economic Boom: Top 10 Growth Sectors Shaping the Nation's Future by 2030

https://farmonaut.com/australia/australias-economic-boom-top-10-growth-sectors-shaping-the-nations-future-by-2030/

"Australia's renewable energy exports are projected to contribute significantly to its GDP by 2030, potentially reaching billions in value."

As we approach the year 2030, Australia's economic landscape is poised for a remarkable transformation. The nation is embracing technological advancements, sustainable practices, and innovative solutions to address global challenges. In this comprehensive exploration, we'll delve into the top 10 growth sectors that are set to shape Australia's economic future. From renewable energy exports to advanced manufacturing, these industries are not just driving growth—they're redefining Australia's role in the global economy.

1. Clean Energy Revolution: Powering Australia's Future

At the forefront of Australia's economic boom is the clean energy sector. With abundant natural resources and a growing commitment to sustainability, Australia is positioned to become a global leader in renewable energy exports.

- **Solar and Wind Energy Expansion:** Australia's vast landscapes offer immense potential for solar and wind farms. By 2030, we expect to see a significant increase in large-scale solar projects and offshore wind installations.
- **Green Hydrogen Industry:** The emerging green hydrogen industry is projected to become a $50+ billion sector by 2030. Australia's natural advantages in renewable energy production make it an ideal location for green hydrogen manufacturing and export.
- **Battery Storage and Grid Upgrades:** To support the renewable energy transition, massive investments in battery storage technologies and smart grid infrastructure are underway.

The potential GDP impact of this sector is substantial. As global demand for clean energy solutions grows, Australia could establish itself as a powerhouse in renewable energy exports, creating thousands of jobs and driving economic growth.

2. AI and Cybersecurity: Safeguarding Australia's Digital Future

The rapid advancement of artificial intelligence (AI) and the growing importance of cybersecurity are set to transform various industries across Australia.

- **AI and Machine Learning Applications:** From finance to healthcare and defence, AI is revolutionising decision-making processes and operational efficiencies.
- **Cybersecurity Services:** With cyber threats on the rise, Australia's cybersecurity industry is projected to reach $7 billion by 2030, creating numerous high-skilled job opportunities.
- **Quantum Computing:** Australia is investing heavily in quantum computing research, with projects backed by CSIRO and leading universities.

The economic impact of AI adoption alone could add a staggering $315 billion to Australia's economy by 2030, according to Deloitte estimates.

3. Healthcare Innovation: Meeting the Needs of an Aging Population

Australia's healthcare sector is undergoing a significant transformation to address the challenges of an aging population and the demand for advanced medical services.

- **Aged Care Services:** The expansion of retirement communities and specialised care facilities will create a booming industry.
- **Digital Health and Telemedicine:** Remote healthcare solutions are becoming increasingly sophisticated, improving access to medical services in rural areas.
- **Biotech and Pharmaceutical R&D:** Australia is positioning itself as a hub for cutting-edge medical research and drug development.
- **NDIS Expansion:** The National Disability Insurance Scheme is set to grow, providing more comprehensive support for Australians with disabilities.

Healthcare is expected to be one of the fastest-growing job markets in Australia, with a moderate to high GDP impact by 2030.

4. Advanced Manufacturing and Critical Minerals Processing

"By 2030, Australia's critical minerals processing sector is expected to create thousands of new jobs, boosting the nation's advanced manufacturing capabilities."

Australia is leveraging its natural resources and technological expertise to become a key player in advanced manufacturing and critical minerals processing.

- **Battery Manufacturing for EVs:** Australia aims to become a global supplier of batteries for electric vehicles, capitalising on its abundant mineral resources.
- **Robotics and Smart Manufacturing:** The Fourth Industrial Revolution is transforming Australian factories, increasing productivity and creating high-skilled jobs.
- **Space Technology and Defence Innovation:** Partnerships with NASA and the AUKUS alliance are driving advancements in space and defence technologies.
- **Critical Minerals Processing:** Australia is investing in refining and processing facilities to move up the value chain in mineral exports.

This sector has the potential to create tens of thousands of high-skilled jobs and reduce Australia's reliance on raw commodity exports, significantly impacting GDP growth.

5. Sustainable Agriculture Technology: Feeding the Future

Australia's agricultural sector is embracing innovation to increase productivity, sustainability, and global competitiveness.

- **Precision Farming:** The integration of AI, drones, and robotics in agriculture is revolutionising farm management and crop yields.
- **Alternative Proteins:** Australia is investing in lab-grown meat and plant-based food technologies to meet changing consumer demands.
- **Sustainable Water Management:** Innovative irrigation systems and drought-resistant crop development are crucial for Australia's water-scarce regions.
- **Agtech Innovation:** Climate-smart farming practices and digital agriculture platforms are enhancing efficiency and sustainability.

The potential GDP impact of this sector is moderate, with a focus on boosting efficiency in agriculture while expanding exports to Asian markets.

6. Tourism and Hospitality: Reimagining the Visitor Experience

Australia's tourism industry is adapting to new travel trends and leveraging its unique natural and cultural assets.

- **Luxury and Adventure Tourism:** High-end experiences and eco-adventures, including Great Barrier Reef conservation efforts, are attracting discerning travellers.
- **Indigenous Tourism:** There's growing international interest in authentic Indigenous experiences and cultural exchanges.

- **Events and Entertainment:** The recovery and expansion of sports events, festivals, and concerts will boost tourism and local economies.
- **Digital Nomad Hubs:** Australia is developing remote work-friendly cities and co-working spaces to attract long-term international visitors.

While the tourism sector faces competition from Southeast Asia and Europe, its potential GDP impact remains moderate, with opportunities for innovation and niche market development.

7. Green Hydrogen: Australia’s Energy Export Revolution

The green hydrogen industry represents a significant opportunity for Australia to become a global energy powerhouse.

- **Production Facilities:** Large-scale green hydrogen production plants are being developed across the country.
- **Export Infrastructure:** Investments in port facilities and specialised shipping capabilities are underway to support hydrogen exports.
- **Domestic Applications:** Green hydrogen is being integrated into Australia’s energy mix, powering industries and transportation.

With projections suggesting the industry could be worth over $50 billion by 2030, the green hydrogen sector has the potential to significantly impact Australia’s GDP and position the country as a leader in clean energy exports.

8. Education and Skills Development: Preparing for the Future Workforce

As the economic landscape evolves, Australia is investing heavily in education and skills development to ensure its workforce remains competitive.

- **EdTech Innovation:** Australian companies are developing cutting-edge educational technologies, enhancing online and hybrid learning models.
- **Vocational Training:** There’s a renewed focus on vocational education to address skills gaps in emerging industries.
- **International Education:** Australia aims to strengthen its position as a global education destination, particularly for students from Asia and the Pacific.
- **Lifelong Learning Programs:** Initiatives to support continuous skill development and career transitions are being implemented nationwide.

The education sector’s contribution to GDP is expected to grow, driven by both domestic demand for upskilling and the return of international students.

9. Fintech and Blockchain: Revolutionising Financial Services

Australia’s financial technology sector is experiencing rapid growth, driven by innovation and changing consumer preferences.

- **Digital Banking:** Neobanks and digital-first financial services are reshaping the banking landscape.
- **Blockchain Applications:** Beyond cryptocurrencies, blockchain is being applied to supply chain management, identity verification, and more.
- **Regtech:** Regulatory technology solutions are streamlining compliance processes for financial institutions.
- **Open Banking:** The implementation of open banking standards is fostering competition and innovation in financial services.

The fintech sector’s contribution to Australia’s GDP is expected to grow significantly, with potential for creating high-value jobs and attracting international investment.

10. Circular Economy and Waste Management

Australia is embracing the principles of a circular economy to address environmental challenges and create new economic opportunities.

- **Recycling Technologies:** Advanced recycling facilities are being developed to process various materials, including plastics and e-waste.
- **Sustainable Packaging:** Innovations in biodegradable and recyclable packaging are driving growth in this sector.
- **Waste-to-Energy:** Projects converting waste into energy are gaining traction, addressing both waste management and energy needs.

- **Resource Recovery:** New technologies are enabling the recovery of valuable materials from waste streams, creating additional revenue streams.

While the immediate GDP impact may be moderate, the long-term benefits of transitioning to a circular economy are substantial, including job creation and reduced environmental impact.

The Road Ahead: Challenges and Opportunities

As Australia navigates this economic transformation, several challenges and opportunities emerge:

- **Skills Gap:** Rapid technological advancements require continuous workforce upskilling and reskilling.
- **Infrastructure Development:** Significant investments in digital and physical infrastructure are needed to support these growing sectors.
- **Regulatory Frameworks:** Adapting regulations to keep pace with technological innovations while ensuring safety and fairness.
- **Global Competition:** Australia must maintain its competitive edge in an increasingly globalised economy.
- **Climate Adaptation:** Addressing the impacts of climate change on various industries, particularly agriculture and tourism.

Despite these challenges, the opportunities for growth and innovation are immense. By focusing on these key sectors, Australia is positioning itself for a prosperous and sustainable economic future.

Conclusion: A Resilient and Innovative Economy

As we look towards 2030, Australia’s economic landscape is set to be more diverse, resilient, and globally competitive than ever before. The top 10 growth sectors we’ve explored represent not just economic opportunities, but a vision for a sustainable and technologically advanced nation.

From the clean energy revolution to the expansion of advanced manufacturing, and from the innovations in healthcare to the burgeoning green hydrogen industry, Australia is laying the groundwork for a prosperous future. The integration of AI, cybersecurity, and sustainable practices across these sectors will be crucial in driving productivity and maintaining Australia’s competitive edge in the global market.

As we embrace these changes, it’s clear that **education, skills development, and adaptability will be key to realising the full potential of these growth sectors.** By investing in these areas and fostering a culture of innovation, Australia is not just preparing for the future—it’s actively shaping it.

The journey to 2030 and beyond presents both challenges and unprecedented opportunities. With strategic investments, forward-thinking policies, and a commitment to sustainability, Australia is well-positioned to emerge as a global leader in many of these crucial sectors, ensuring a bright economic future for generations to come.

Top 10 Growth Sectors in Australia by 2030

Rank	Sector	Estimated GDP Impact (%)
1	Renewable Energy Exports	8.5%
2	AI and Cybersecurity	7.2%
3	Healthcare Innovation	6.8%
4	Advanced Manufacturing	6.5%
5	Critical Minerals Processing	5.9%
6	Sustainable Agriculture Technology	5.3%
7	Green Hydrogen Industry	4.8%
8	Education and Skills Development	4.2%
9	Fintech and Blockchain	3.7%
10	Circular Economy and Waste Management	3.1%

56.0%

FAQ Section

Q1: What are the main drivers of Australia's economic growth towards 2030?
A1: The main drivers include renewable energy exports, AI and cybersecurity advancements, healthcare innovation, advanced manufacturing, and sustainable agriculture technology. These sectors are expected to significantly contribute to Australia's GDP and create numerous job opportunities.

Q2: How is Australia positioning itself in the global clean energy market?
A2: Australia is leveraging its natural resources to become a leader in renewable energy exports, particularly in solar, wind, and green hydrogen production. The country is also investing heavily in battery storage and grid upgrades to support this transition.

Q3: What role will AI and cybersecurity play in Australia's economic future?
A3: AI and cybersecurity are set to transform various industries, from finance to healthcare and defence. The cybersecurity industry alone is projected to reach $7 billion by 2030, while AI adoption could add $315 billion to the economy.

Q4: How is Australia addressing the challenges of an aging population?
A4: Australia is focusing on expanding aged care services, digital health solutions, and telemedicine. The healthcare sector is expected to be one of the fastest-growing job markets, with significant investments in biotech and pharmaceutical R&D.

Q5: What opportunities does the green hydrogen industry present for Australia?
A5: The green hydrogen industry is projected to be worth over $50 billion by 2030. Australia is investing in production facilities, export infrastructure, and domestic applications, positioning itself as a global leader in clean energy exports.

Comparison:
Traditional vs Digital Agriculture Practices in Australia

Aspect	Traditional Agriculture	Digital Agriculture
Irrigation Methods	Fixed schedule watering	Smart irrigation systems with soil moisture sensors
Crop Monitoring	Manual field inspections	Satellite and drone-based remote sensing
Yield Prediction	Based on historical averages	AI-driven predictive analytics
Pest Management	Scheduled spraying	Precision application based on real-time pest detection
Soil Health Analysis	Annual soil testing	Continuous monitoring with IoT sensors
Resource Efficiency	Generalised approach	Optimised input use based on specific field conditions
Data Collection	Manual record keeping	Automated data collection and analysis
Decision Making	Experience-based	Data-driven with AI support
Environmental Impact	Variable, often higher	Reduced through precision management
Productivity (estimated increase)	Baseline	Up to 25% increase

Australia must return to nation building

NEW BIOSPHERE AGRICULTURE

Sorghum

Adobe Stock | #370766173

PASCAS FOUNDATION (Aust) Ltd **Em: info@pascasworldcare.com**
ABN 23 133 271 593 **Em: info@pascashealth.com**
Pascas Foundation is a not for profit organisation
Queensland, Australia **www.pascasworldcare.com** **www.pascashealth.com**

Sorghum

Protein-packed American-grown rice alternative has twice the amount as quinoa

https://www.foxnews.com/food-drink/protein-packed-american-grown-rice-alternative-twice-amount-quinoa **8 May 2025**

Gluten-free ancient grain requires fewer resources yet has robust nutritional profile.

Sorghum is ready for its time in the spotlight.

This made-in-America heritage grain has twice the amount of protein as quinoa, according to experts, and is seeing a sharp spike in interest as consumers seek homegrown products.

From popcorn to biscuits to drought-resistant livestock feed and gluten-free pastries, the grain is a perfect substitute for more traditional grains. It's also jam-packed with antioxidants, fibre and other crucial elements, promoting a balanced, healthy food.

The sorghum belt in USA – America — stretching from South Dakota to Texas — is "a region that often faces drought and tough growing conditions," Lanier Dabruzzi, director of nutrition and food innovation at the United Sorghum Checkoff Program, told Fox News Digital.

"Its ability to thrive with limited water makes it an ideal crop for farmers looking to manage risk and protect long-term productivity."

Sorghum's ability to thrive with limited water makes it an ideal crop for dry regions (such as Australia!). (United Sorghum Checkoff Program)

While the ancient grain was domesticated in Africa around 8,000 years ago, it has become a staple crop in Kansas, according to the Kansas Grain Sorghum Commission (KGSC).

The grain is drought-tolerant, non-GMO (genetically modified organism) and requires less resources like water and fertilizer than other grain crops.

"This U.S.-grown grain is already a quiet staple in items like whole-grain breads, cereals and granola bars."

Different varieties of sorghum are grown for different uses.

Grain sorghum can be used for gluten-free baking products, according to the KGSC.

Whole-grain sorghum is a great source of fibre and protein that adds a "hearty, nutty flavour" to recipes and can be used in foods like salads, cooked dishes and snacks, according to Sorghum Checkoff.

Sorghum has a variety of uses, from sweet syrup to feeding livestock. (United Sorghum Checkoff Program)

Forage sorghum is used for feeding livestock, and sweet sorghum is used for creating a syrup that resembles molasses, per the KGSC.

How to incorporate it

"While many Americans may not recognise it by name, this U.S.-grown grain is already a quiet staple in items like whole-grain breads, cereals, granola bars and baby puffs," Dabruzzi said.

"And the innovation doesn't stop there. Sorghum is also making its way into gluten-free baking mixes, prebiotic snacks and even craft beers."

Sorghum "is also making its way into gluten-free baking mixes, prebiotic snacks and even craft beers," an expert told Fox News Digital. (United Sorghum Checkoff Program)

Sorghum comes in a variety of forms, so its uses are only limited by a person's imagination, according to Sorghum Checkoff.

Sorghum can be used like any other grain or flour, so it's really a matter of substitution.

For any dish needing rice or quinoa or for any baking recipe that calls for traditional flour, try sorghum instead.

"A growing body of evidence shows that eating sorghum can help improve overall health and well-being, when incorporated into a healthy lifestyle," Dabruzzi said.

Why it's a good option

Cooked whole-grain sorghum is a source of tryptophan, an amino acid that research has shown may be an effective approach to decreasing anxiety and increasing positive mood in healthy individuals, according to Dabruzzi.

"A serving of cooked whole-grain sorghum is an excellent source of protein, zinc, selenium and copper, which may contribute to a healthy immune system," she said.

America's "sorghum belt" stretches from South Dakota all the way to Texas. (United Sorghum Checkoff Program)

Whole-grain sorghum is perfect for soups, pilafs or grain bowls, she said.

"A serving of whole-grain sorghum provides about a whopping 10 grams of plant-based protein, twice the protein as quinoa. It's also higher in protein than an ounce of beef or chicken," notes the Cleveland Clinic.

Sorghum flour is ideal for muffins, coating for fried chicken and for thickening gravies and sauces.

Dabruzzi said it can even be popped like popcorn — and it won't get stuck in your teeth.

Sorghum flour is ideal for muffins, coating for fried chicken and for thickening gravies and sauces. (United Sorghum Checkoff Program)

Unlike rice and similar grains, according to the Cleveland Clinic, sorghum keeps its taste and texture when you freeze and reheat it.

NEW BIOSPHERE AGRICULTURE

GOURMET
OYSTERS

OYSTER FARM

Value adding Natural Resources!

What species is the perfect livestock animal?

https://www.quora.com/

Surprisingly enough, you could definitely make a case for **oysters** as the winners of that title. They’re hardly the first thing that comes to mind when you think of livestock, but – as they are animals which are farmed to produce commodities – they do qualify.

Oyster farming is a practice which has been ongoing since ancient Roman times, as their shells, meat and pearls are all valuable goods. But what makes them so special? Well, they’re about as space- and resource-efficient as one could possibly hope for an animal to be.

They can be raised in vertical “gardens” suspended from the ocean surface, with potential for hundreds of tiers. Because of this, one could keep a thousand oysters in a space whose footprint would fit inside a hula hoop. Now imagine a whole underwater forest of these stacks.

Furthermore, they’re about as low-maintenance as animals get. Obviously, you don’t have to provide drinking water for them – they’re immersed in it – and you don’t even have to feed them. Oysters are filter feeders, so they simply sift through the water for plankton. Because of this, they can actually be used to clean up dirty water:

So, not only are they incredibly space-efficient and require no provided food or water, but they can actually benefit the ecosystem of the environment they're farmed in. Right now, our inefficient agriculture is a massive contributor to climate change and biodiversity loss, so farming like this is more important than ever.

Of course, I'm not suggesting we replace all cattle-rearing and such with oyster farming. I doubt you'll be having a bivalve burger any time soon. However, it can't be denied that when it comes to efficiency, very few farmed animals can compare to oysters and their relatives.

There is a proportional relationship between water temperature and oyster growth rates. **Very warm temperatures can have a negative effect on oxygen levels and thus hinder growth**. An increase in water temperature can also prompt fewer oysters to spawn.

Oysters thrive in salinity that ranges from 14-28 ppt. The optimum water temperature for oysters to survive is between 68-90 degrees Fahrenheit (20°C - 32°C), but **adult oysters can tolerate water as cold as 38 degrees and as hot as 120 degrees for short periods of time**.

Indonesia is located in Asia. The country is washed by more than ten seas, such as the Indian Ocean, the Bay of Bengal, the Pacific Ocean, the Moluccan Sea, the Sea of Bali, the Sea of Banda and others. Indonesia is a large resort country and has a long coastline. To determine the temperature of the water in it, we track 318 settlements and resorts. Sea water temperature + 26-28 ° C all year round.

NEW BIOSPHERE AGRICULTURE

MORINGA

TECHNOLOGY
& PRODUCT
INFORMATION

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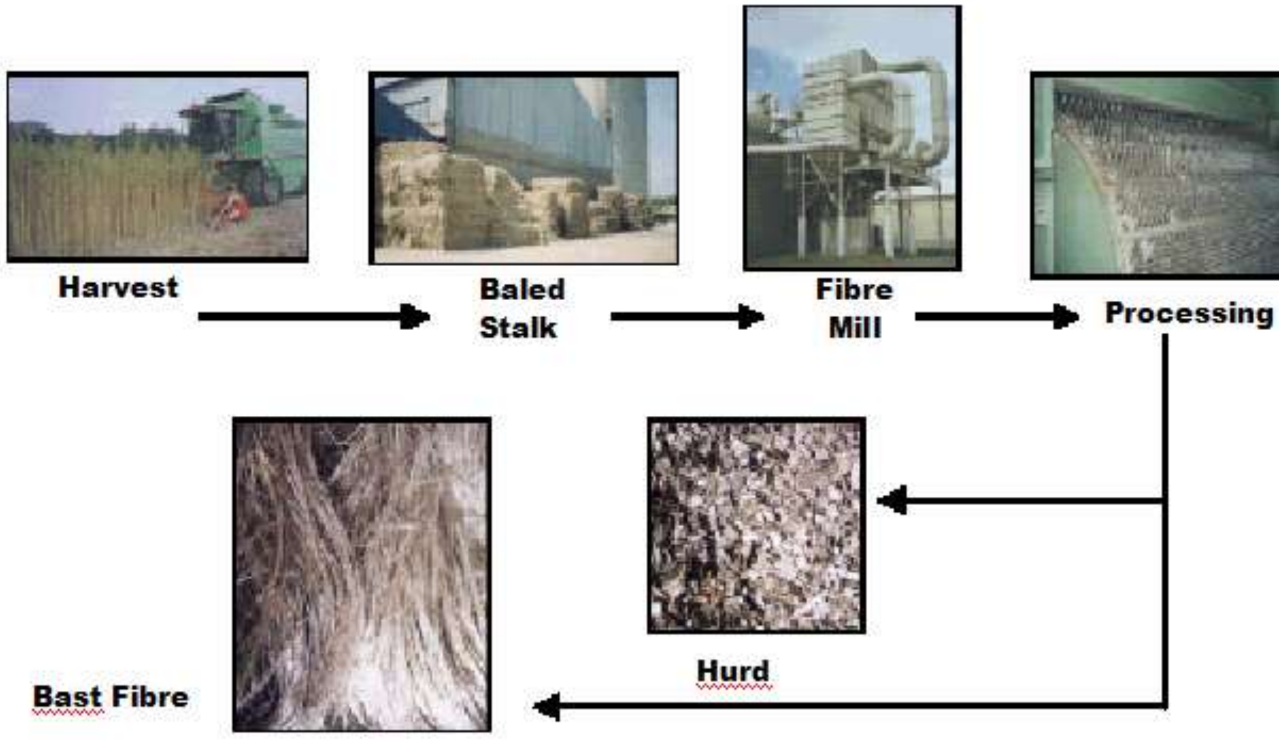
Pascas Foundation is a not for profit organisation
Queensland, Australia
www.pascasworldcare.com www.pascashealth.com

Industrial Hemp Production in Australia

ECOFIBRE INDUSTRIES LIMITED

TECHNOLOGY & PRODUCT INFORMATIOM


Harvest
Baled Stalk
Fibre Mill
Processing
Hurd
Bast Fibre

A&B HYDROPONICS

TECHNOLOGY
&
PRODUCT
INFORMATION

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www.abhydroponics.com.au
Em ab_hydro@bigpond.com

Fruit and Vegetables	Traditional hydroponics - average per sq mt.	Rotating Growing System Hydroponics - average per sq mt	Percentage Increase Up To	Increases in kilos per sq mt.
Strawberries	5 - 8 kilos	123 kilos	1792%	117 kilos
Ice Berg Lettuce	72 kilos	619 kilos	760%	547 kilos
Tomatoes	45 kilos	250 kilos	456%	205 kilos

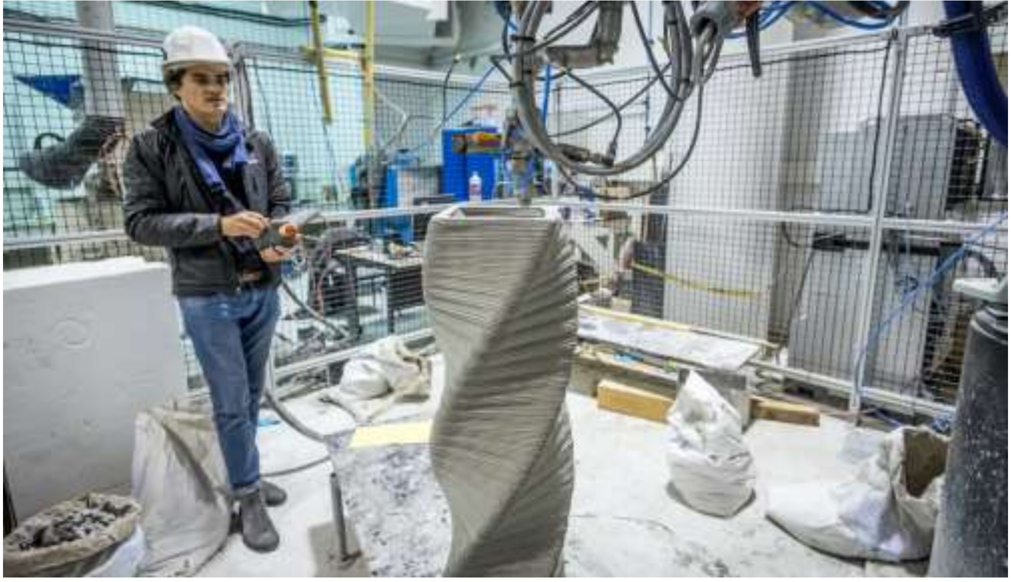
and much, much, more!

Australia must return to nation building

The Investment Paradox: Misaligned Capital and the Case for Revitalising Australian Manufacturing

https://www.internationalaffairs.org.au/australianoutlook/the-investment-paradox-misaligned-capital-and-the-case-for-revitalising-australian-manufacturing/

By Joseph Zeller 19 March 2025



To secure a prosperous future, Australia must address capital allocation within its economy, orienting to revitalise its domestic manufacturing industry.

Australia's economy is often celebrated for its resource wealth and robust property market, yet it faces a critical paradox: despite its relative prosperity, capital misallocation has created significant economic and strategic vulnerabilities. **One of the most pressing consequences is the decline in domestic manufacturing, particularly high-value and strategically significant industries such as pharmaceuticals, semiconductors, renewable energy, and oil refining.**

While thriving in sectors like mining and real estate, it has neglected manufacturing, a once-vital cornerstone of economic growth. This misalignment of capital not only weakens long-term economic resilience but **amplifies vulnerability to global disruptions. Realigning Australia's investment priorities is not just an economic challenge but a national imperative.**

The dominance of real estate and mining has profoundly shaped Australia's economic landscape. Tax incentives such as negative gearing and capital gains tax discounts have inflated property prices, encouraging speculative investments that yield limited productive output. Similarly, the mining sector—reliant on volatile global commodity prices—delivers short-term returns but contributes little to economic diversification. This over-reliance on resource exports ties Australia's economic fate to a single trading partner, creating strategic vulnerabilities in times of geopolitical tension and economic instability. Together, **these sectors have absorbed vast pools of capital while sidelining industries with greater potential for sustainable growth.**

Manufacturing has borne the brunt of this imbalance. Once contributing over 13% of GDP, the sector now accounts for less than 6%. While Australia's economic conditions differ from Germany and South Korea, both countries illustrate how prioritising manufacturing can enhance economic resilience and technological innovation. Germany's emphasis on advanced manufacturing and workforce development, and South Korea's strategic industrial policies, demonstrate the long-term benefit of maintaining a strong industrial base.

Australia's industrial decline is not solely the result of capital misallocation to mining and real estate. The impact of Dutch Disease during the mining boom exacerbated an existing trend, as high resource prices inflated the Australian dollar, making domestic manufacturing less competitive internationally.

Yet manufacturing had been in decline long before the mining boom due to multiple factors such as trade liberalisation, offshoring, automation, and shifts in consumer and corporate preferences towards imported goods. The reduction in tariffs during the 1980s and 1990s fostered economic efficiency, but also exposed domestic manufacturing to intense global competition. This led to structural changes in the workforce and a policy environment which favoured services over industry and contributed to the erosion of Australia's industrial base. Addressing these historical causes is essential for crafting a sustainable strategy to revitalise manufacturing and build long-term economic resilience.

The consequences of manufacturing's decline ripple across the economy. Without a robust industrial base, Australia has become increasingly dependent on imports, particularly in high-value and strategically important industries such as pharmaceuticals, electronics, and advanced manufacturing components. This reliance exposes the nation to supply chain vulnerabilities, as seen during the COVID-19 pandemic, during which global disruptions led to shortages of essential goods. Unlike economies with strong domestic manufacturing capabilities, Australia lacks the flexibility to scale production in response to crises.

I have argued that revitalising manufacturing is not just an economic necessity; it is a strategic imperative. A strong manufacturing sector generates innovation in high-tech fields such as renewable energy, robotics, and biotechnology. It creates a multiplier effect, stimulating growth in logistics and research and development (R&D), while boosting national resilience.

While importing goods can be cost-effective, over-reliance on imports leaves Australia vulnerable to supply chain disruptions and shifting trade relationships. Comparative advantage suggests economies should specialise in their strengths, and historically Australia has prioritised resources over manufacturing. However, for strategic industries like pharmaceuticals, semiconductors, and defence, the benefits of domestic production—supply chain resilience, innovation, and skilled jobs—outweigh short-term cost savings. By selectively investing in key industries, Australia can mitigate external shocks and safeguard critical supply chains.

Embracing Industry 4.0—the fourth industrial revolution driven by automation, data exchange, and smart technologies—could serve as a compelling alternative. By integrating advanced digital technologies, such as the **Internet of Things (IoT)**, robotics, and big data analytics, Australia can transform its manufacturing landscape by leveraging advanced technologies and targeted policy interventions. A clear example of this potential is the rapid expansion of Australia's space industry, where strategic government investment and partnerships with private firms have fostered high-tech manufacturing grown. This shift would enable more efficient production processes, enhance product quality, and reduce waste through precision and automation. By integrating these innovations, Australia can build a globally competitive industrial sector that prioritises sustainability, and long-term economic growth.

The Albanese Government's "Future Made in Australia" policy recognises the need to strengthen domestic industry by investing in advanced manufacturing and clean energy technologies. However, this is not the first attempt at revitalising Australia's industrial base.

Past initiatives, such as the Automotive Transformation Scheme (2011-2020) and the Industry Growth Centres program (2015-present), sought to support manufacturing sectors affected by global competition. Despite these efforts, many programs have suffered from inconsistent funding, shifting policy priorities, and insufficient long-term strategic focus.

To ensure lasting impact, **current manufacturing policies must be scalable, regionally targeted, and sustained beyond political cycles**. Strategic investments in automation, robotics, and AI-driven manufacturing, coupled with robust workforce retraining, would enhance industrial resilience, prevent skills shortages, and position Australia as a leader in high-value production. Learning from past policy failures, a successful approach must prioritise stable investment frameworks, stronger-industry-government collaboration, and clear long-term objectives.

To achieve these goals, targeted strategies are essential not only to stimulate growth but also to ensure that past policy shortcomings are not repeated. Manufacturing-specific investment funds, supported by government co-investment, could channel resources into high-tech, export-oriented industries. Tax incentives for local manufacturing facilities, especially those focused on emerging technologies and sustainability, would encourage private investment. Expanding R&D tax credits would further drive innovation within the sector.

The financial sector also has a role to play. Green bonds could fund environmentally sustainable projects like renewable energy infrastructure and electric vehicle manufacturing. Superannuation funds, managing significant pools of capital, could allocate a portion of their portfolios to domestic manufacturing, balancing long-term returns with national interests.

Government policy must address the structural barriers that have hindered manufacturing growth in Australia. These include high energy costs, which make industrial production less competitive; labour shortages and skills mismatches, where existing workforce training programs fail to equip workers for advanced manufacturing roles; and a lack of long-term investment certainty, as inconsistent policy settings deter private sector commitment. Additionally, infrastructure gaps, such as limited industrial land and outdated transport networks, increase production costs, while regulatory complexities, such as compliance burdens and zoning restrictions, slow down industrial expansion. Overcoming these barriers requires a coordinated approach, aligning government incentives, workforce development strategies, and infrastructure planning to create an environment where high-value manufacturing can thrive. Developing regional manufacturing hubs—supported by affordable infrastructure and workforce training programs—could attract investment to underutilised areas. These hubs could serve as innovation incubators, combining logistical support with a focus on high-value industries.

Australia faces a choice: continue pouring capital into speculative sectors that deliver short-term gains but exacerbate economic vulnerabilities, or realign investment priorities to revitalise a manufacturing sector capable of driving long-term growth and resilience. This is not about nostalgia for a bygone industrial era but about securing economic stability in an increasingly volatile world.

Addressing this investment paradox would enable Australia to foster a thriving manufacturing sector, drive innovation, create jobs, and enhance resilience. It is not merely an economic necessity but a strategic imperative.

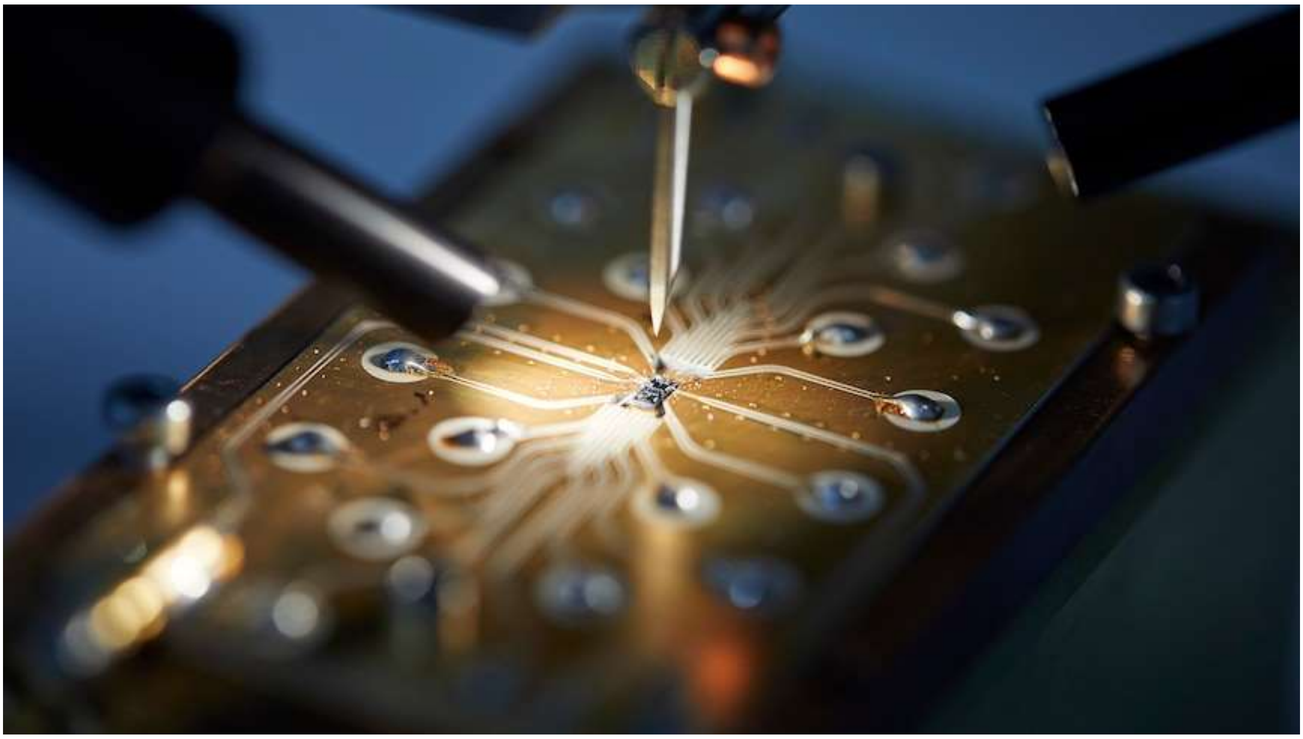
Joseph Zeller is a Senior Manager at the Australian Maritime Safety Authority and a serving naval officer with extensive experience in defence and national security. He is a graduate of the Australian War College (Australian Command and Staff Course) and holds a Master of Business Administration (ANU), a Master of Policing, Intelligence, and Counter Terrorism (Macquarie University), and a Bachelor of Policing (Charles Sturt University). Joseph Zeller | LinkedIn

Australia signs deal worth almost AU$1b with PsiQuantum to build world’s first ‘useful’ quantum computer

https://www.abc.net.au/news/2024-04-30/australia-signs-deal-for-first-useful-quantum-computer/103781352

ABC Radio Brisbane / By Kenji Sato, Craig Zonca and Loretta Ryan, and Steve Austin

Tuesday 30 April 2024



Quantum computers can easily bypass existing cybersecurity measures. *(Supplied: UNSW)*

- **In short:** Australia will invest nearly a billion dollars to build the first commercially useful quantum computer in Brisbane.
- The federal and Queensland governments are each chipping in AU$470 million to the tech startup PsiQuantum.
- **What's next?** PsiQuantum hopes to build an error-corrected computer by 2029.

Australia will invest almost a billion dollars in a bid to build the world's first commercially useful quantum computer in Brisbane.

The Queensland and Australian governments have set aside AU$470 million each in grants, loans and share purchases for the company PsiQuantum.

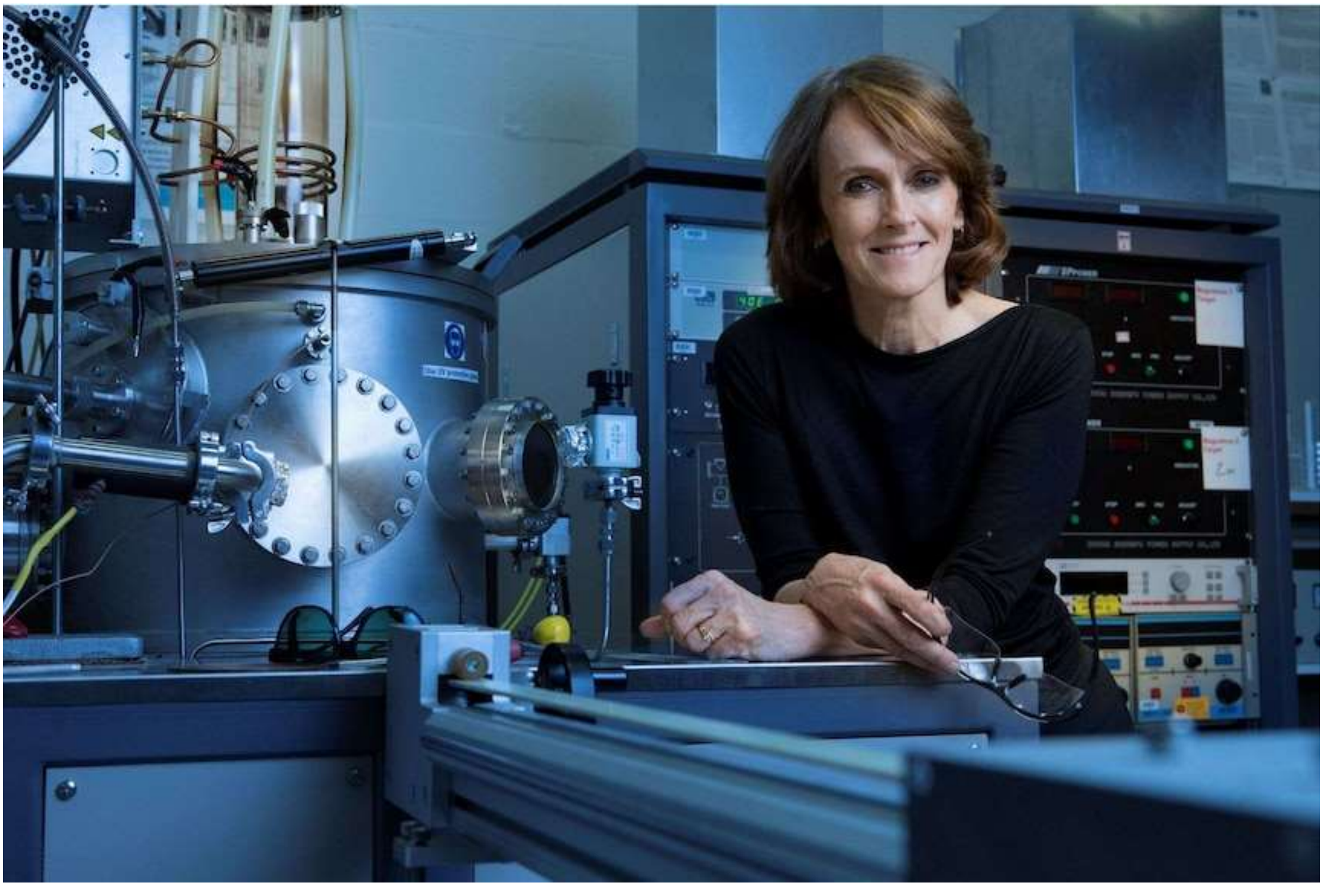
PsiQuantum will attempt to build the world's first large "fault-tolerant" quantum computer, free from the errors and instabilities that render other quantum computers impractical.

The company said this would be the world's first "useful" quantum computer, capable of being used in industry, research and defence without significant errors.

Australia's Chief Scientist Cathy Foley told ABC Radio Brisbane quantum computers would soon be a part of everyone's everyday life.

> "It's going to be the most complex machine ever built by humanity," Dr Foley said.

"Quantum computing is going to revolutionise computing power because it can use different principles of physics that we previously couldn't access," she said.



Cathy Foley says the new quantum computer will be the most complex machine ever built. *(Supplied: CSIRO)*

"We'll be able to solve complex problems that we just can't do — even very basic ones like how to work out the best route for trucking or organising ports and even high school timetables."

She said the Queensland government had set aside AU$5 million to research how quantum computing could help organise the logistics of the 2032 Brisbane Olympics.

PsiQuantum was co-founded by two Australian University of Queensland graduates, Jeremy O'Brien and Terry Rudolph, in America's Silicon Valley.

As part of the deal, the company will relocate to Brisbane, where it will build its warehouse-sized supercooled quantum computer.

Dr Foley said the Australian scientific community was "very excited" to see Australian governments invested in developing its technology within its borders.

She said Australian scientists wanted to avoid a repeat of what happened with photovoltaic cells, which were invented at the University of NSW but then exported and commercialised in China.

Professor Andrew White says the new quantum computer will harness the power of nature itself. *(Supplied: University of Queensland)*

University of Queensland Professor Andrew White said the first breakthroughs in quantum mechanics were made by Brisbane researchers at least 20 years ago.

Professor White said the new quantum computer will have immediate uses in industry and scientific research.

But in the next 30 to 40 years, the technology will become more widely available and "change everything", much like the personal computer did, he said.

How do they work?

Professor White says quantum computers use the principles of nature to perform many more calculations than a classical computer is capable of doing.

He said quantum computers harnessed the "weird" power of quantum mechanics to solve problems that were too complex for any classical computer.

"In quantum mechanics, things can genuinely be in two places at once — we call that superposition," Professor White said.

"There's a thing called entanglement where quantum systems correlate with each other and it looks like nature's cheating.

"So what we're trying to do with quantum computers is hack nature, do the stuff that she's doing all the time and use it to our advantage."

Ed Husic said Australian governments have previously declined to invest in technology industries, prompting them to go overseas. *(ABC)*

Federal Minister for Industry and Science Ed Husic said the government did not wish to repeat the mistakes of the past by allowing this technology to go overseas.

He said Australia's historical failures to support a local chip manufacturing industry had meant those industries had moved to Asia.

"[PsiQuantum] left our shores because they didn't think that we'd have an interest or a desire to back this type of technology," Mr Husic said.

"Now these Australians want to come home to ensure that we can become a tech manufacturing powerhouse."

Australia can be home to a "strong quantum ecosystem", said Prime Minister Anthony Albanese. *(ABC News: Nick Haggarty)*

Prime Minister Anthony Albanese said the government wanted Australia to become a centre for quantum growth for the rest of the planet.

"We are proud to be working with the Queensland government to make visionary investments in the future of our nation," he said.

"This investment shows we are serious about building a strong quantum ecosystem here in Australia."

PsiQuantum's Terry Rudolph told ABC Radio Brisbane that Queensland researchers had been uncovering the physics behind quantum computing over the last 25 years.

However, Professor Rudolph said that it was only since 2015 that the practical engineering problems began to seem solvable.

He said the company was confident that Queensland had the expertise in engineering, manufacturing, science, and technology to pull it off.

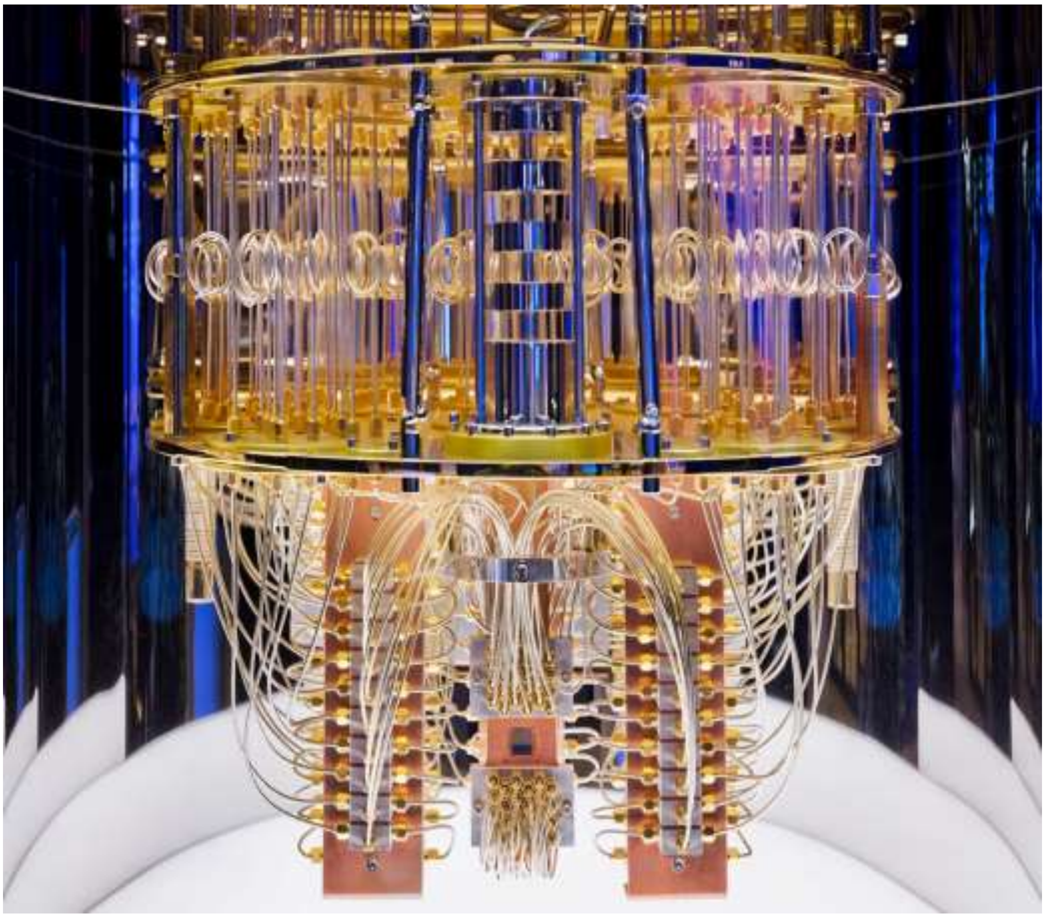
"There's many problems we know that, even if we turned all the silicon in the solar system into a classical computer, we would never be able to solve those problems," he said.

"The cool thing is for some of those same problems we know we would never solve with a classical computer, the total number of steps it's going to take on a quantum computer is vastly less."

Queensland Premier Steven Miles said the state should not lose another opportunity to support a burgeoning industry.

"By being early adopting ... we can ensure that industry develops here, and we're not trying 20 or 30 years later to play catch-up," he said.

"This is all about adding an additional capacity to our state that will be recognised globally and draw investment to Queensland from right around the world."



Quantum computing

https://en.wikipedia.org/wiki/Quantum_computing

A **quantum computer** is a computer that takes advantage of quantum mechanical phenomena. On small scales, physical matter exhibits properties of both particles and waves, and quantum computing leverages this behaviour, specifically quantum superposition and entanglement, using specialised hardware that supports the preparation and manipulation of quantum states.

Classical physics cannot explain the operation of a quantum computer, and a scalable quantum computer, if it existed, could perform some calculations exponentially faster (with respect to input size scaling) than any current "classical" computer. A large-scale quantum computer could break widely used encryption schemes and aid physicists in performing physical simulations; however, the current state of the technology is largely experimental and impractical, with several obstacles to useful applications. Moreover, scalable quantum computers do not hold promise for many practical tasks, and for many important tasks quantum speedups are proven impossible.

The basic unit of information in quantum computing is the qubit, similar to the bit in traditional digital electronics. Unlike a classical bit, a qubit can exist in a superposition of its two "basis" states. When measuring a qubit, the result is a probabilistic output of a classical bit, therefore making quantum computers nondeterministic in general. If a quantum computer manipulates the qubit in a particular way, wave interference effects can amplify the desired measurement results. The design of quantum algorithms involves creating procedures that allow a quantum computer to perform calculations efficiently and quickly.

Physically engineering high-quality qubits has proven challenging. If a physical qubit is not sufficiently isolated from its environment, it suffers from quantum decoherence, introducing noise into calculations. Paradoxically, perfectly isolating qubits is also undesirable because quantum computations typically need to initialise qubits, perform controlled qubit interactions, and measure the resulting quantum states. Each of those operations introduces errors and suffers from noise, and such inaccuracies accumulate.

In principle, a non-quantum (classical) computer can solve the same computational problems as a quantum computer, given enough time. Quantum advantage comes in the form of time complexity rather than computability, and quantum complexity theory shows that some quantum algorithms for carefully selected tasks require exponentially fewer computational steps than the best known non-quantum algorithms. Such tasks can in theory be solved on a large-scale quantum computer whereas classical computers would not finish computations in any reasonable amount of time. However, quantum speedup is not universal or even typical across computational tasks, since basic tasks such as sorting are proven to not allow any asymptotic quantum speedup. Claims of *quantum supremacy* have drawn significant attention to the discipline, but are demonstrated on contrived tasks, while near-term practical use cases remain limited.

Quantum Computer,
the Future of
Technology

Chip Manufacturing Costs in 2025-2030: How Much Does it Cost to Make a 3nm Chip?

https://patentpc.com/blog/chip-manufacturing-costs-in-2025-2030-how-much-does-it-cost-to-make-a-3nm-chip

Bao Tran, Patent Attorney 2 May 2025

The world of semiconductor manufacturing is evolving at a rapid pace. With each new process node, the cost of production increases, making it critical for companies to understand the financial challenges involved. The move to 3nm chips represents one of the most expensive transitions in chip history. Every aspect of the process, from design to manufacturing and testing, is seeing rising costs due to the complexity of extreme ultraviolet (EUV) lithography, increasing transistor density, and higher defect rates.

1. 3nm Chip Fabrication Cost Per Wafer: US$20,000–US$25,000

The cost of fabricating a single wafer at the 3nm node is significantly higher than at previous nodes like 5nm and 7nm.

The reason is simple: more expensive materials, longer processing times, and the need for advanced EUV lithography. Each wafer contains hundreds of chips, but yield loss due to defects can eat into profitability.

Manufacturers can reduce costs by improving process efficiency, minimising defects, and optimising wafer utilisation. Advanced defect detection systems and better process control will be key in keeping fabrication expenses under control.

2. Estimated Total Cost of a 3nm Chip Fab: **US$15–US$20 Billion**

Setting up a cutting-edge semiconductor fab is one of the most expensive industrial investments in the world. The cost of a 3nm-capable fab is estimated to be between US$15 billion and US$20 billion, making it a challenge for all but the largest players like TSMC, Samsung and Intel. (A semiconductor fab -- short for fabrication -- is a manufacturing plant in which raw silicon wafers are turned into integrated circuits (ICs).)
For companies looking to enter the space, collaboration and joint ventures may be the only viable options. Partnering with governments or leveraging subsidies from chip investment programs can also ease the financial burden.

3. Mask Set Cost for 3nm Process: US$30–$50 Million

Mask sets are one of the hidden costs of chip production, yet they are absolutely necessary. At 3nm, the masks used to print the chip patterns onto wafers are extremely complex and costly.

This expense makes prototyping very expensive, meaning companies must get their designs right the first time. The best strategy is to invest in rigorous simulation and verification processes before committing to mask production.

4. EUV Lithography Machine Cost: ~US$350 Million per Unit

EUV lithography is a cornerstone of 3nm chip production, and the machines required to perform EUV printing are some of the most expensive pieces of equipment in the world. ASML is the sole supplier of these machines, and each unit costs around US$350 million.

Since these machines are both expensive and limited in supply, chipmakers must maximise their uptime. Preventative maintenance, skilled operators, and optimised scheduling are essential for getting the most out of these costly tools.

5. Number of EUV Layers in 3nm Process: ~20–30 Layers

Unlike previous nodes, where EUV was used sparingly, 3nm chips require EUV for most critical layers, often reaching 20 to 30 layers. This significantly increases processing time and costs.

Reducing the number of EUV layers through design simplification or better patterning techniques can help lower expenses. Engineers must work closely with design teams to minimise unnecessary complexity in the chip layout.

6. Cost of Each EUV Mask: ~US$500,000–US$1 Million

Why EUV Masks are so Expensive

Extreme Ultraviolet (EUV) masks are one of the most costly components in advanced chip manufacturing. These masks are essential for printing the intricate circuit patterns that define the power and efficiency of modern semiconductors.

Unlike traditional photomasks, EUV masks must meet extreme precision standards because even microscopic defects can lead to massive yield losses, affecting profitability.

The cost of each EUV mask is driven by multiple factors, including the complexity of the design, the materials used, and the highly specialised fabrication process.

Every EUV mask requires ultra-flat substrates, advanced multi-layer coatings, and near-flawless defect control, pushing production costs into the half-million to million-dollar range.

7. Chip Yield Rate at Early 3nm Production: ~50–60%

When a new process node is introduced, yields are typically low. At the start of 3nm production, yield rates are expected to hover around 50–60%, meaning nearly half of the chips on a wafer could be defective.

The best way to address this is to invest in better defect analysis tools, improve process controls, and continuously refine the manufacturing process. Companies that fail to improve yield rates will struggle to achieve profitability.

8. Chip Yield Rate after Maturity (2027+): ~70–80%

The Strategic Importance of Yield Rate in 3nm Manufacturing

By 2027 and beyond, 3nm chip production will have reached a level of maturity where yield rates stabilise between 70% and 80%. For semiconductor companies, this shift is more than just a technical milestone—it's a financial and strategic inflection point.

A higher yield rate means fewer defective chips, reduced production costs per functional unit, and a stronger competitive edge in a market where efficiency is everything.

Companies that fail to optimise their yield rates risk significantly higher costs, slower production timelines, and an inability to meet growing market demand.

In contrast, those that master yield optimisation will enjoy increased profitability, better supply chain reliability, and stronger relationships with customers who demand consistently high-quality chips.

9. Cost per Transistor at 3nm: ~US$0.02 Per Million Transistors

One of the advantages of shrinking process nodes is reducing the cost per transistor. At 3nm, the cost per million transistors is estimated to be around US$0.02.

To fully benefit from this, chip designers must ensure that transistor scaling translates into real-world power efficiency and performance gains. Otherwise, companies may not realise the full economic advantage of moving to 3nm.

10. Transistor Density at 3nm: ~300 Million Transistors per Mm^2

The Strategic Impact of 3nm Transistor Density on Chip Manufacturing Costs

Transistor density is the heart of chip performance, power efficiency, and cost-effectiveness.
At 3nm, manufacturers are packing approximately 300 million transistors per square millimetre—a staggering leap that reshapes what's possible in computing. But what does this mean for businesses that rely on cutting-edge chips?

For chipmakers, the shift to 3nm comes with both opportunities and high-stakes challenges. **With such high transistor density, every square millimetre of silicon now delivers more computational power than entire chips from a decade ago.**

This efficiency makes chips smaller, faster, and more energy-efficient, yet it also drives up manufacturing complexity and costs.

If your business depends on advanced semiconductors—whether in smartphones, AI processors, data centres, or automotive technology—understanding the cost-benefit equation of 3nm transistor density is crucial.

While the raw power of these chips can unlock ground-breaking capabilities, their availability, price, and supply chain risks need careful consideration.

11. Design Cost of a High-End 3nm Chip: US$500 Million–US$1 Billion

Why 3nm Chip Design is so Expensive

The cost of designing a high-end 3nm chip is staggering, ranging from US$500 million to US$1 billion. But why is it so expensive? At this scale, every nanometre matters.

The complexity of transistor placement, power efficiency, and heat management increases exponentially, requiring cutting-edge design techniques and world-class engineering talent.

Unlike previous nodes, 3nm chips demand extreme precision, with billions of transistors packed into an area the size of a fingernail. Each design decision affects performance, yield, and manufacturability, making errors incredibly costly.

A single mistake in the design phase can result in tens of millions of dollars in wasted fabrication costs, making upfront investment in design absolutely crucial.

12. Tape-Out Cost for a 3nm Chip: ~US$100 Million

Why Tape-Out Costs are so High and What it Means for Businesses

The tape-out phase is where a chip design is finalised and sent to fabrication, marking one of the most expensive and critical steps in semiconductor development.

At the 3nm node, the costs for a single tape-out can reach approximately US$100 million—an astronomical figure that reflects the complexity, precision, and risk involved.

For businesses investing in custom silicon, these high tape-out costs create both a challenge and an opportunity. On one hand, the financial barrier means only well-funded companies can afford to push forward.

On the other hand, those that successfully navigate these costs can secure a strategic advantage with highly specialised chips that optimise performance, power efficiency, and differentiation in the market.

13. R&D Cost For 3nm Process Node: ~US$5–US$8 Billion

The research and development required to bring 3nm technology to market is immense, with costs ranging from US$5 billion to US$8 billion.

Companies must carefully balance R&D spending with expected returns, ensuring that innovations at 3nm provide a competitive advantage.

14. Time Required for 3nm Production Ramp-Up: ~2–3 Years
The Reality of Scaling up 3nm Production

Bringing a cutting-edge 3nm chip to full-scale production isn't as simple as flipping a switch. It's a process that demands precision, massive investment, and time.

Even for the most advanced semiconductor foundries, ramping up 3nm production takes about two to three years before costs stabilise and yields become commercially viable.

This timeline isn't just a technical hurdle—it directly affects business strategies, supply chains, and pricing models. For companies looking to integrate 3nm chips into their products, understanding this ramp-up period is critical for planning, partnerships, and pricing strategies.

15. Wafer Processing Time for 3nm: ~3–4 Months
Why 3nm Wafer Processing Takes so Long

Manufacturing a 3nm chip is one of the most intricate and time-consuming processes in modern technology. Unlike earlier nodes, where processing could be completed in a few weeks, 3nm wafers require approximately 3 to 4 months to go from raw silicon to fully functional chips.

This extended timeline is due to the sheer number of fabrication steps, the complexity of extreme ultraviolet (EUV) lithography, and the need for rigorous defect control.

Each wafer must go through hundreds of precision manufacturing stages, including deposition, etching, photolithography, doping, and testing. Because 3nm chips pack billions of transistors into an ultra-small space, even microscopic defects can render entire batches useless.
This means manufacturers must slow down, refine each step, and conduct extensive quality assurance to maximise yield.

16. Number of Process Steps in 3nm Node: ~1,500–2,000 Steps
Why Process Complexity Matters for 3nm Manufacturing

The transition to the 3nm node represents a new level of manufacturing complexity, with each wafer going through approximately 1,500 to 2,000 individual steps before it becomes a functional chip.
This intricate process is not just about technical sophistication—it directly impacts production costs, yield rates, and the ability to scale efficiently.

For businesses relying on 3nm chips, understanding this complexity is critical. Every additional process step increases the potential for defects, slows down production, and raises overall costs.

This means companies must adopt a proactive strategy when sourcing, designing, and integrating 3nm chips into their products.

17. Depreciation Cost per Wafer for 3nm Fab: ~US$5,000

Depreciation is a hidden but critical cost in semiconductor manufacturing. With fabs (fabrications) costing billions of dollars, manufacturers must recover these costs over time, and the depreciation per wafer can reach as high as US$5,000.

Companies must factor this into pricing strategies and long-term financial planning. Extending the lifespan of fab equipment and ensuring maximum utilisation of production capacity can help spread depreciation costs over more wafers, reducing the per-unit impact.

18. Cost of Cleanroom per Square Foot for 3nm Fab: ~US$10,000–US$20,000

Why 3nm Cleanrooms are so Expensive

Building and maintaining a cleanroom for 3nm semiconductor manufacturing isn't just costly—it's one of the most expensive aspects of chip production. At US$10,000 to US$20,000 per square foot, the price tag is staggering, but there's a good reason for it.

At the 3nm node, even a single particle of dust can ruin a chip. Controlling contamination requires extreme measures, from advanced air filtration systems to specialised materials that prevent static discharge.

The smaller the chip technology, the stricter the cleanroom requirements, driving up costs dramatically.

19. Electricity Consumption per Wafer at 3nm: ~500 KWh

Energy usage in 3nm fabrication is immense. Each wafer requires approximately 500 kWh of electricity due to the high number of process steps and the extensive use of EUV machines. Electricity usage charges are shown in cents (c) for every kilowatt per hour (kWh), typically ranging between 24c/kWh – 43c/kWh. (US16c/kWh – US28c/kWh)

To control power costs, fabs are increasingly investing in energy-efficient equipment and renewable energy sources. Optimising power management systems and reducing idle machine time can also help lower energy expenses.

20. Annual Power Cost for a 3nm Fab: ~US$100–US$300 Million

Why 3nm Fabs Consume so much Power

Running a 3nm semiconductor fabrication plant (fab) requires an immense amount of electricity. Every stage of the chip manufacturing process—from extreme ultraviolet (EUV) lithography to high-precision etching—demands advanced machinery that runs 24/7 under tightly controlled conditions.

Unlike older manufacturing nodes, which required less energy-intensive processes, 3nm production pushes power consumption to unprecedented levels.

EUV scanners alone require several megawatts of power to operate. Beyond that, temperature regulation is critical, as even slight variations can lead to defects in the chips.

This means fabs must invest heavily in air handling systems, liquid cooling solutions, and uninterrupted power supply (UPS) backups to maintain stable conditions. Together, these factors drive annual electricity costs into the hundreds of millions of dollars.

21. Water Consumption per Wafer at 3nm: ~1,500–2,000 Gallons

Chip manufacturing is water-intensive, with each 3nm wafer consuming between US1,500 and 2,000 gallons of ultrapure water. (5,700 litres to 7,600 litres)

Water recycling and purification technologies are becoming essential for semiconductor fabs. Companies that fail to implement sustainable water management strategies may face regulatory challenges and higher operational costs.

22. Chemical Material Cost per Wafer at 3nm: ~US$2,000

Why Chemical Costs are Rising in 3nm Manufacturing

At 3nm, chemical material costs per wafer have reached approximately US$2,000, driven by the increasing complexity of fabrication processes.

The industry's push toward extreme precision and efficiency means manufacturers rely on a wider range of ultra-high-purity chemicals, specialty etchants, and advanced deposition materials.

These chemicals are essential for achieving the performance and yield targets that make 3nm viable.

For businesses, understanding the impact of chemical costs is more than just a budgeting concern—it's a strategic necessity. Any fluctuation in chemical supply chains can lead to cost volatility, impacting the final price of 3nm chips and influencing product development decisions.

23. Equipment Maintenance Cost per Year in a 3nm Fab: ~US$500 Million

Regular maintenance of semiconductor equipment is necessary to prevent downtime and defects. For a large fab, maintenance costs can reach US$500 million annually.

Using predictive maintenance and AI-driven diagnostics can help detect issues before they cause failures, improving efficiency and reducing unexpected repair costs.

24. Cost of a Single Defective Wafer at 3nm: ~US$20,000–US$50,000

The True Cost of a Defective 3nm Wafer

At 3nm, every wafer is a multi-million-dollar investment in extreme precision. When a single wafer—containing hundreds of advanced chips—fails, the financial impact isn't just about materials.
It's about lost production time, wasted energy, and the potential supply chain ripple effects that can delay product launches and disrupt entire industries.

For businesses relying on 3nm chips, understanding why defects happen, how they impact costs, and how to mitigate risks is critical to maintaining profitability.

25. Average Salary of a Semiconductor Engineer in 2025–2030: ~US$150,000–US$250,000 per Year

Why Semiconductor Engineers Command High Salaries

Semiconductor engineers are among the most sought-after professionals in the world. The complexity of designing and manufacturing 3nm chips requires highly specialised skills, deep technical expertise, and the ability to solve some of the toughest engineering challenges.

As the demand for smaller, faster, and more efficient chips continues to grow, so does the competition for top talent.

The average salary for a semiconductor engineer in 2025–2030 ranges between US$150,000 and US$250,000 per year, but those figures can go even higher depending on experience, specialisation, and location.

Engineers working on advanced EUV lithography, AI-driven chip design, and next-generation transistor architectures are especially valuable, often receiving premium compensation packages with stock options and performance bonuses.

26. Number of Engineers Required for a 3nm Fab: ~3,000–5,000

Why 3nm Fabs Demand more Engineering Talent than Ever

The move to 3nm technology has pushed semiconductor fabrication into unprecedented complexity, requiring a workforce of approximately 3,000 to 5,000 engineers per fab.

These highly specialised professionals play a critical role in ensuring process efficiency, maintaining ultra-precise manufacturing conditions, and optimising chip yields.

For businesses investing in semiconductor manufacturing, the scale of engineering talent needed presents both challenges and opportunities.

Companies that can attract, retain, and effectively deploy top-tier engineering talent will gain a competitive edge, while those struggling with workforce shortages risk costly delays, higher defect rates, and reduced profitability.

27. Fab Operating Cost per Year for 3nm: ~US$1.5–US$2 Billion

The High-Stakes Reality of Running a 3nm Fab

Operating a 3nm semiconductor fab isn’t just expensive—it’s a constant financial balancing act. With annual costs ranging from US$1.5 to US$2 billion, every aspect of a fab’s operation must be optimised to maintain profitability. (A semiconductor fab -- short for fabrication -- is a manufacturing plant in which raw silicon wafers are turned into integrated circuits (ICs).)

The massive investment required to keep a 3nm fab running is why only a handful of players—TSMC, Samsung, and Intel—can afford to compete at this level. For businesses relying on 3nm chips, understanding these costs is more than just an academic exercise. It directly impacts chip pricing, supply chain reliability, and long-term business strategy.

28. Estimated Per-Unit Cost of a High-End 3nm Chip: ~US$200–US$500

The cost to manufacture a single high-end 3nm chip, such as those used in flagship smartphones and AI processors, is estimated between US$200 and US$500.

Pricing strategies must account for R&D, fab depreciation, and marketing costs to ensure profitability. Companies should also explore partnerships with device manufacturers to secure long-term supply agreements.

29. Cost Reduction per Year Due to Process Improvements: ~5–10%

How Process Improvements Drive Cost Reductions

The semiconductor industry thrives on constant refinement. Every year, manufacturers find ways to optimise production efficiency, reduce waste, and improve yields, leading to an estimated 5–10% reduction in chip manufacturing costs annually.

These cost savings are critical in keeping high-end chips affordable while maintaining profitability for foundries and semiconductor firms.

Process improvements in 3nm chip manufacturing come from multiple areas, including better lithography techniques, enhanced wafer utilisation, and AI-driven defect detection. As fabs (fabrications) refine their processes, they achieve higher yield rates, meaning fewer defective chips per wafer. This directly lowers production costs and makes the entire operation more scalable.

30. Projected 3nm Market Share in Semiconductor Manufacturing (2028): ~30–40%

By 2028, **3nm chips are expected to make up 30–40% of the semiconductor market, driven by demand for high-performance computing, AI, and mobile devices.**

Companies that establish early leadership in 3nm production will benefit from economies of scale, improved manufacturing efficiencies, and strong customer demand.

Wrapping It Up

The shift to 3nm chip manufacturing between 2025 and 2030 marks one of the most significant advancements in semiconductor technology. However, this progress comes at an enormous cost.

Patent protection at a fixed-fee

We help clients identify new markets and strategic partners to add value during our consultations.

We will do everything we can to lower costs for our clients. We offer most of our services for a fixed price to ensure that clients have clear objectives and can meet their budgets. Our fixed fee approach applies to:

- Preparing, filing, and prosecuting patent applications at USPTO
- Opinions on patentability, validity, and infringement.
- Enforcement of patent rights in U.S. District Courts and on appeal
- Post-issuance Proceedings of the USPTO

We encourage you to request our list of typical patent fees. For more information about our services, call us at 800-234-3032 or schedule a strategy call with us.

From billion-dollar fab investments to high per-wafer expenses, every aspect of 3nm production demands precision, efficiency, and strategic planning.

Australia must return to nation building

COMPUTER CHIP FOUDRIES

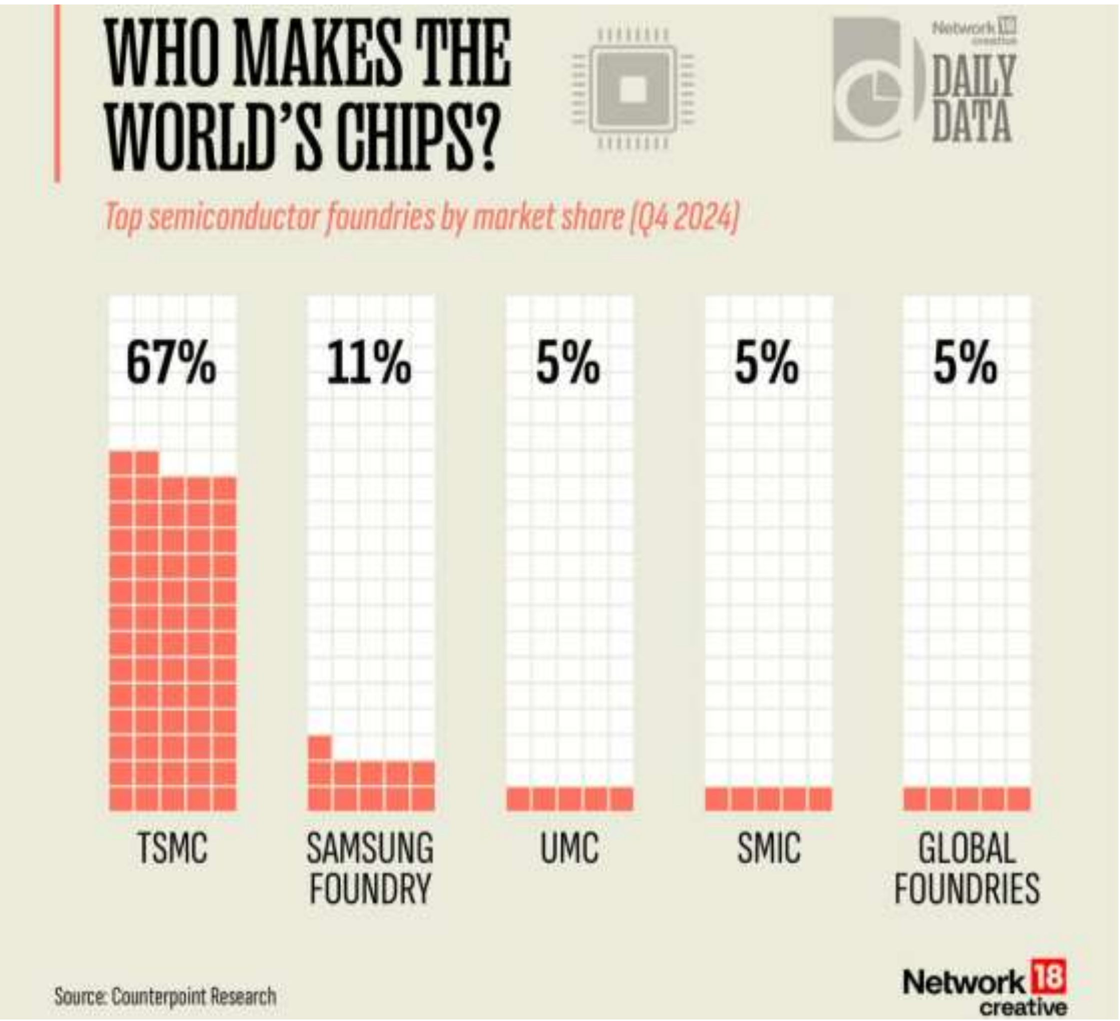
Chip foundries are responsible for producing a critical part of every piece of technology in the world.

Taiwan Semiconductor Manufacturing Company (TSM) is perhaps the most well-known chip manufacturer, known for fabricating advanced chips designed by Nvidia (NVDA) and Apple (AAPL). The Taiwan-based chipmaker has a 92% share in advanced AI chip production, according to data from Boston Consulting Group, cited by JPMorgan (JPM).

Total global chip foundry revenue was $131.7 billion in 2024, according to TrendForce data cited by the firm. Seven chip foundries, including U.S.-based Tower (TSEM) and Taiwan's Powerchip Semiconductor Manufacturing Corporation, each have a 1% share of total global revenue, according to the data, while 3% of the total is shared by "Others."

Taiwanese chipmakers command a 70% share of the total revenue, while Korean companies made up 11%, and Chinese chip foundries had 8%.

Taiwan Semiconductor Manufacturing Company had a 62% share of total chip foundry revenue in 2024, Samsung 10%, United Microelectronics Corporation 6%, GlobalFoundries 6%, Semiconductor Manufacturing International Corporation 5%, and Hua Hong Semiconductor2%.



PROVE THAT THE PRODUCT DOES WHAT YOU SAY IT CAN DO:

Presently, three people are verging on completion of their personal Feeling Healing. They are the only people in the nearly one million year history of humanity to do so. This is the greatest event in the history of Earth's humanity. We have personal testimony of people who have completed their healing in the spirit Mansion Worlds and their subsequent progression from the spirit Mansion Worlds into the first of the Celestial Heavens. These records are to be published, amongst other profound writings to enable readers to grasp the way we are to live and that is through our feelings and have our minds to follow whilst longing for the truth that our feelings are to reveal.

Throughout every aspect of society, we see endeavour after endeavour trying to resolve insurmountable issues, in health, education, science, commerce, policing, politics, etc., all to no avail. Our childhood suppression and repression is generational. Until parents heal themselves of their personal Rebellion and Default, all that humanity can do is remodel the continuation of ongoing error. What ails society is resolvable through the process of Feeling Healing. Living Feelings First and having our minds follow will reveal the way we are to live and social ills will slowly but progressively be resolved.

PROVE THAT YOU CAN SELL THE PRODUCT AT THE PRICE YOU SAY YOU CAN:

Specifically speaking, these understandings are to be available to all of humanity freely. These understandings and awareness have been provided through high level spirits, and are the introduction to humanity for the opportunity for us to evolve spiritually and commence our personal pathway to Paradise.

The major writings are to be published in book form. Through the normal function of commerce, sales proceeds are anticipated to expand a level that the operations of Pascas Foundation (Aust) Limited may become self-funding.

PROVE THAT YOU CAN PRODUCE THE PRODUCT AT THE COST YOU SAY YOU CAN:

Printing of books will range from heirloom to paperback. The range, in best quality possible for each category, provides consumer choice options. Volume is anticipated to progressively escalate as awareness of the magnitude of the events recorded, and the level of guidance provided through the publications, becomes widely known around the world. Economies of large scale production runs will allow savings to be passed on to the consumer and at the same time enhancing income levels.

PROVE THAT YOU OWN THE TECHNOLOGY:

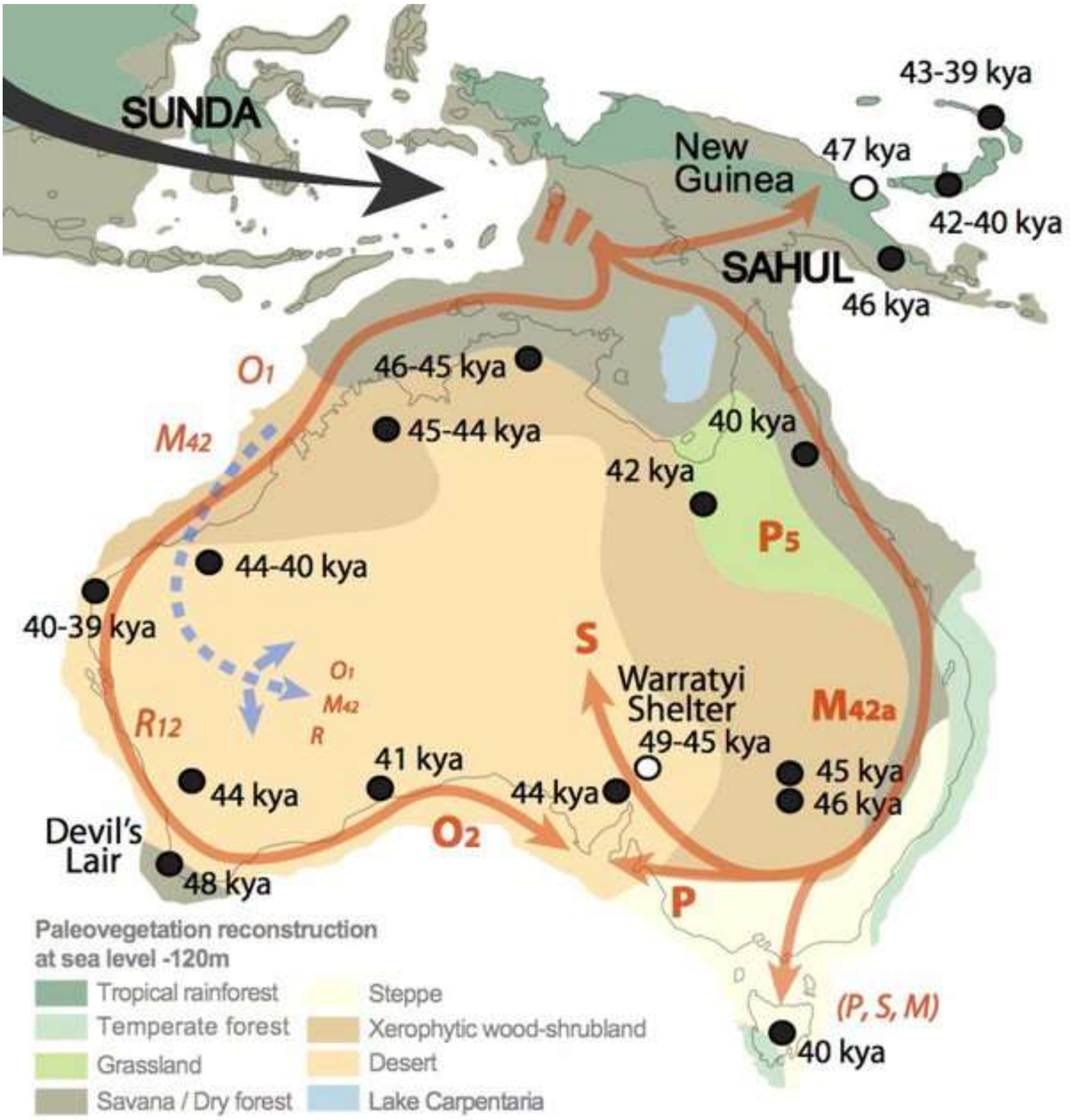
Pascas will work with all who wish to promote awareness of the technology. The technology has been assembled by Pascas from the highest levels of spiritual guidance that is ongoing. In that sense the technology will continue to evolve for a very long time, up to and through the coming 1,000 year Avonal Age.

VOICE

It may be considered that the original human settlement of Australia occurred at least 45,000 years, maybe as much as 60,000 years ago.

Following the initial settlement, the indigenous Australians moved across the country, or better said around the coastline in both directions.

This migration of communities, and their culture, took at least 50,000 years.

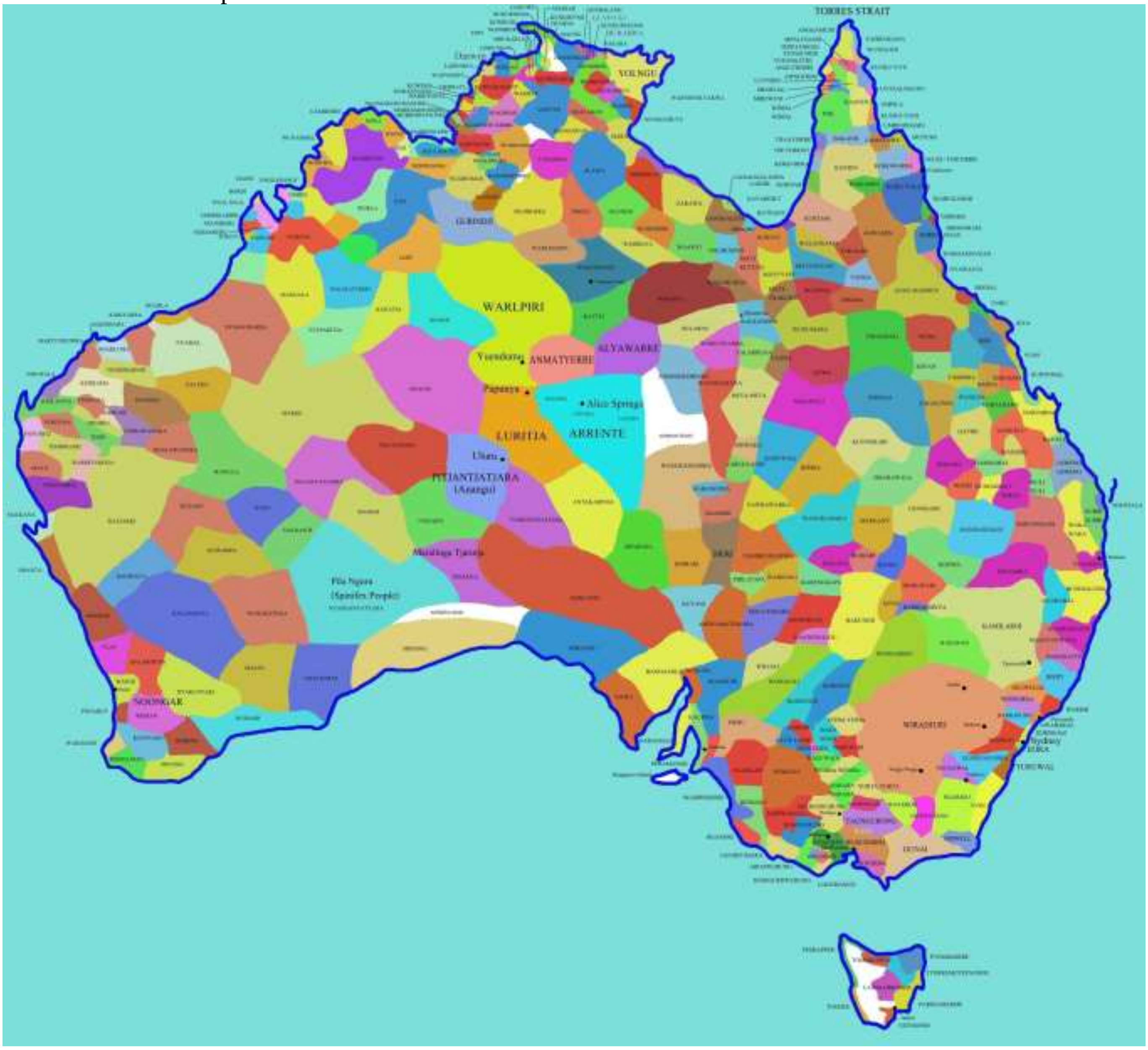

SUNDA
New Guinea
SAHUL
43-39 kya
47 kya
42-40 kya
46 kya
O1
M42
46-45 kya
45-44 kya
40 kya
42 kya
P5
44-40 kya
40-39 kya
S
Warratyi Shelter
49-45 kya
M42a
O1
M42
R
R12
41 kya
44 kya
44 kya
45 kya
46 kya
O2
Devil's Lair
48 kya
P
(P, S, M)
40 kya
Paleovegetation reconstruction at sea level -120m
Tropical rainforest
Temperate forest
Grassland
Savana / Dry forest
Steppe
Xerophytic wood-shrubland
Desert
Lake Carpentaria

Following to submergence of the land bridge which had (effectively) connected Australia to Southeast Asia, there was extremely little contact with the "outside world" until European settlement 250 years ago, and visit from Macassan fisherman commencing some decades earlier. .

It is known that the native dog, the dingo, arrived in Australia, perhaps via New Guinea, around 4,000 to 6,000 years ago, but there is little evidence of human migration at that time.

All of the above indicates that the indigenous people were unaffected by other cultures for at least 45,000 years, much longer than any other people.

Against this, it should be noted that Australia has (or has had) several hundred separate language groups, as shown on this map.

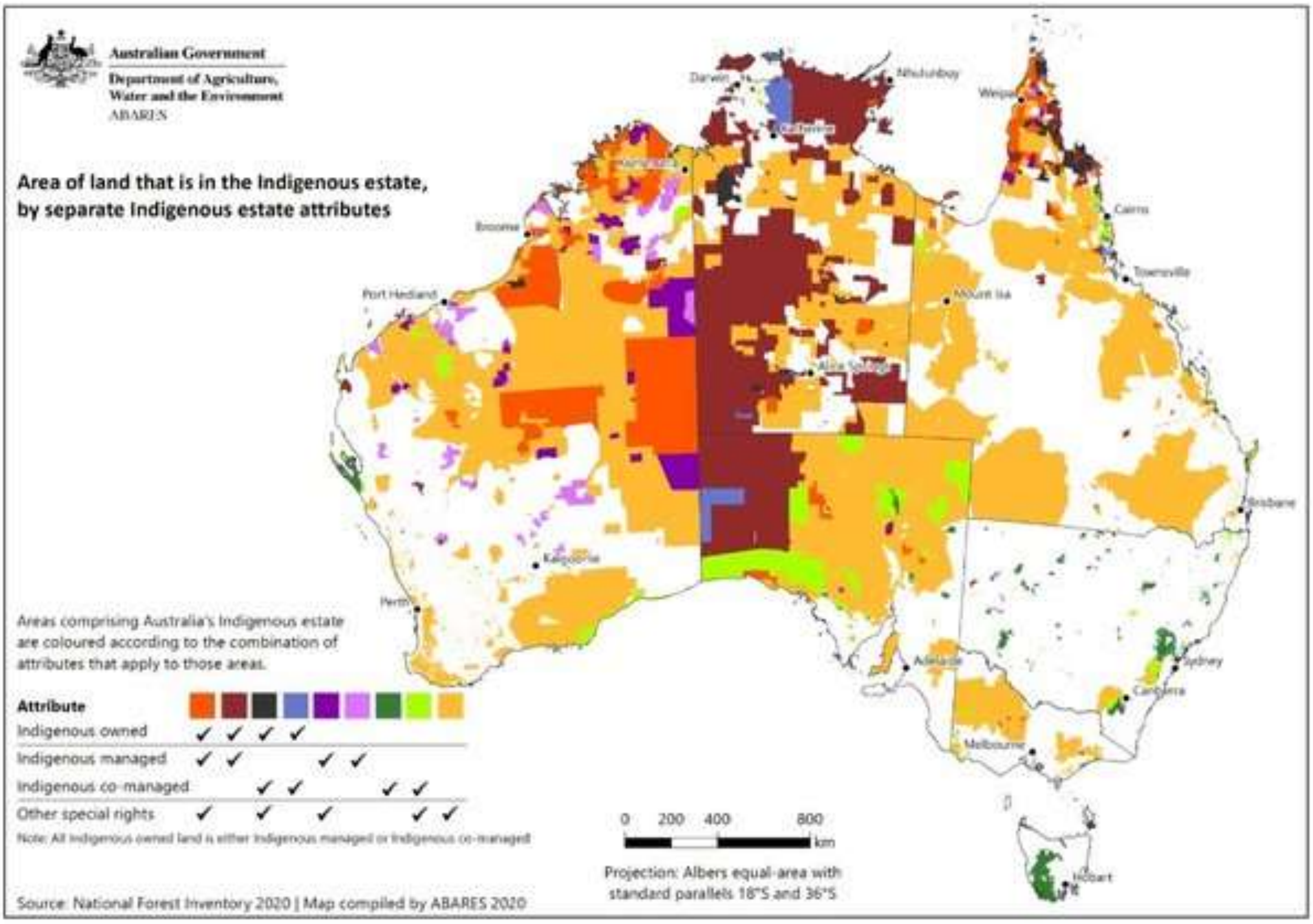

TORRES STRAIT
YOLNGU
GURINDJI
WARLPIRI
Yuendumu
ANMATYERRE
ALYAWARRE
Papunya
Alice Springs
LURITJA
ARRERNTE
Uluru
PITJANTJATJARA
(Anangu)
Pila Nguru
(Spinifex People)
NOONGAR
KAMILAROI
WIRADJURI
Sydney
EORA
THARAWAL
DJAB WURRUNG
YORTA YORTA
GUNAIKURNAI
DJAB WURRUNG

Other cultural and belief elements, although clearly very much inter-related, also vary significantly around the country.

From the above, it can be confirmed that Australian Aborigines have the oldest **continuous** culture, or better group of cultures, in the world.

Our Aboriginal people live in all parts of Australia, many still on the lands of their ancestors. The National Land Rights Act 1976 provided a foundation for Aborigines to claim their land back. And they have claimed land rights in many places, however “Australia does not have a national land rights scheme. Instead, each state and territory has its own legislation which sets out land rights claims arrangements with Aboriginal and Torres Strait Islander peoples within their jurisdiction.”

Only land that is not owned freehold can be claimed by Aborigines, and even then many barriers are put in their way. All the best lands, the white areas, have long since been excluded from claims. Many of the successful claims are desert.



Area of land that is in the Indigenous estate, by separate Indigenous estate attributes

Areas comprising Australia's Indigenous estate are coloured according to the combination of attributes that apply to those areas.

Note: All Indigenous owned land is either Indigenous managed or Indigenous co-managed

Source: National Forest Inventory 2020 | Map compiled by ABARES 2020

Projection: Albers equal-area with standard parallels 18°S and 36°S

Australian Government
Department of Agriculture, Water and the Environment
ABARES
Attribute
Indigenous owned ✓ ✓ ✓ ✓
Indigenous managed ✓ ✓ ✓ ✓
Indigenous co-managed ✓ ✓ ✓ ✓
Other special rights ✓ ✓ ✓ ✓ ✓
0 200 400 800 km
Darwin
Nhulunbuy
Weipa
Katherine
Halls Creek
Broome
Cairns
Townsville
Port Hedland
Mount Isa
Alice Springs
Brisbane
Kalgoorlie
Perth
Adelaide
Sydney
Canberra
Melbourne
Hobart

However, descendants of Andon and Fonta who lived nearly 993,500 years ago, reached Tasmania more than 950,000 years ago. Andon and Fonta lived south of the Caspian Sea, maybe in the region of Afghanistan, and were the first to have a longing for human perfection. They were of a red skin, with dark hair and dark eyes. The modern day Eskimos are of a similar complexion and appearance.

It was the Sangik family who lived in the north-eastern tablelands of India, some 500,000 years ago, that added additional colourings through their 19 children, being 5 red, 2 orange, 4 yellow, 2 green, 4 blue, and 2 indigo (black). Adam and Eve, some 38,000 years ago, introduced the crimson skin (white) as well as the blonde and red hair as well as the blue and green eyes.

Due to periodic pole shifts, which occur between 12,000 to 13,000 years apart, that there are regular civilisation endings on Earth, resulting in populations greater than that of today (2025) being reduced to very small in number requiring a long period of growth to once again occur.

SPECTATOR | AUSTRALIA

What I learnt from an Aboriginal Elder

https://www.spectator.com.au/2022/12/what-i-learnt-from-an-aboriginal-elder/

Steven Tripp 13 December 2022

Recently, I sat down to interview an Aboriginal Elder from South Australia for the ExCandidates podcast, of which I am a host. Her name is Kerry White, a former nurse and diabetes educator from the Narungga people. The aim of the interview was to determine her views regarding the Indigenous Voice to Parliament.

It was a fascinating interview because it completely deconstructed many fundamental aspects of the current 'narrative' surrounding the Aboriginal people.

I say 'Aboriginal' because even during the pre-interview phone call I had with Kerry, I made the mistake of using the term 'Indigenous'.

With no hint of hesitation, Kerry quickly corrected my error and informed me that Aboriginal people prefer to be called Aborigines.

I asked her to expand on this during the interview.

Kerry explained that Indigenous were '…anyone native to Australia. Including flora and fauna. If you're born in Australia, you're Indigenous.'

'The other term that they use for us is First Nations,' Kerry went on to say. 'First Nations – that's Canadian. We are not Canadian. We are Aboriginal. We are from Australia and the Torres Strait.'

Why did we move away from the term Aborigines in the first place? Was it a fear of political correctness? Obviously, we were not listening to Elders such as Kerry White. Instead, we have chosen to listen to Woke activists, university lecturers, and inner city elites.

Kerry then went on to explain the divide between Aboriginal 'mobs' in rural/remote areas, compared to mobs in city areas.

'When it comes to Aboriginal people, we have two separate lots,' she began, educating us again. 'We have a lot of Aboriginal mobs. Not tribes, not clans. Mobs. That's an Aboriginal term. [The mobs] are divided into two. And that is rural and remote, and that is separate from the city-ites.'

Could this explain the clear difference in message between Senators Jacinta Nampijinpa Price and Lidia Thorpe, who grew up in Alice Springs and Melbourne respectively?

How will an Indigenous Voice to Parliament adequately represent the concerns of this divide?

Kerry went on to teach us another Aboriginal term – 'tick-a-boxers'. These represented the people who claimed to be Aboriginal when it is clear they are not. Recent census data points to this.

Since the 1971 census, the number of people identifying as Aboriginal or Torres Strait Islander has risen from 116,000 to over 800,000 – a 590 per cent increase. Even from 2016 to 2021, the national population increased by 8 per cent, but the Indigenous population increased by 23 per cent.

'There should be some form of identification. Proof that these people claiming to be Aboriginal are actually Aboriginal,' Kerry began, before recalling how almost twenty years ago, the government scrapped the need for someone to obtain proof that they were Aboriginal.

'So, if you want to be Aboriginal, all you had to do is tick the box.'

Kerry pointed out that the word Indigenous is included in the official wording of the proposal – the 'Indigenous Voice to Parliament'. Therefore, one wonders, would simply 'ticking a box' to indicate you were Indigenous suffice to be recognised by the new body? What can of worms would that unleash?

It must be frustrating for an Elder like Kerry. How many times have true Aboriginal Elders been asked to comment or contribute to the debate on The Voice? According to Kerry, it is yet to happen for anyone in her community.

For Kerry, her feelings on the Voice to Parliament are clear.

'It's a no from me. I say no to The Voice. I don't want it,' she replied pointedly.

'We, the Aboriginal people from rural and remote Australia do not want it.

'A bit over two hundred years ago, they rounded Aboriginal people up and locked them on missions. So Aboriginal people were segregated from White society. Then we come forward to now – "The Voice" – and they're segregating us again. They're taking us back two hundred years.

'You're dividing the country again, it's back to segregation. And frankly, it's racist towards our White brothers and sisters that live in this land with us.'

Furthermore, Kerry makes the argument that Aborigines are already over-represented in Parliament, thus nullifying the need for a new body such as the Voice.

‘We have eleven Aboriginal members in Parliament, in the Upper and Lower house.’

Kerry begins. ‘That equates to 4.9 per cent representation, Aboriginal representation in Parliament. For 3.2 per cent of the population. With that, we actually have over-representation in Parliament. So why would we need a Voice? Unless they’re saying that our Parliamentary members are not doing their job.’

Does Kerry reflect the thoughts and feelings of all Aboriginal people? Should her statements and explanations concerning Aboriginal people be taken as gospel? Of course not. But that is the point. Can a ‘Voice’ to Parliament represent all the varying ‘voices’ of Aboriginal Australia?

More importantly, is the debate on the Voice taking the focus off the true needs of Aboriginal people? As a nurse, Kerry is well-versed in the issues facing Aboriginal people, especially in remote communities.

‘With Aboriginal people, it’s mostly linked to diabetes. We have a high rate of diabetes amongst Aboriginal people.’ Kerry explains.

‘Heart problems. That began to rise about fifteen years ago. They don’t have access to medical care out there. They don’t have health centres and doctors and all that. They don’t have it. They’ve got to travel sometimes 3-4 hours to get to a doctor, or medical treatment if something should happen out there.’

Kerry White joins Senator Jacinta Nampijinpa Price, along with Senator Pauline Hanson of One Nation, in speaking out against the Voice to Parliament. Their message also stresses the need to unify the Nation, not to divide it along the lines of race. You would think that a study of history would compel anyone to agree.

We already have Parliaments at local, state, and federal levels that attempt to address all the ‘voices’ of society.

According to Kerry White, Senator Price, and surely many other Aboriginal people, this is the way it should remain.

For me, the lesson was that it is always best to go straight to the source, and avoid the mainstream ‘narrative’.

Steven Tripp is a former One Nation candidate for Warringah

VOICE

We each are to VOICE our pain - the pain from within!

And our pain is our Childhood Suppression.

This being our families' traditions and customs of unknowing erroneous ways.

It is the untruth of held spiritual platforms.

It is our own imprisonment within our mind of arrogance and control addiction.

It is the imposition of control placed on us by those from many levels of influence!

We each are to VOICE our pain to a companion who has compassion for us, and long for truth!

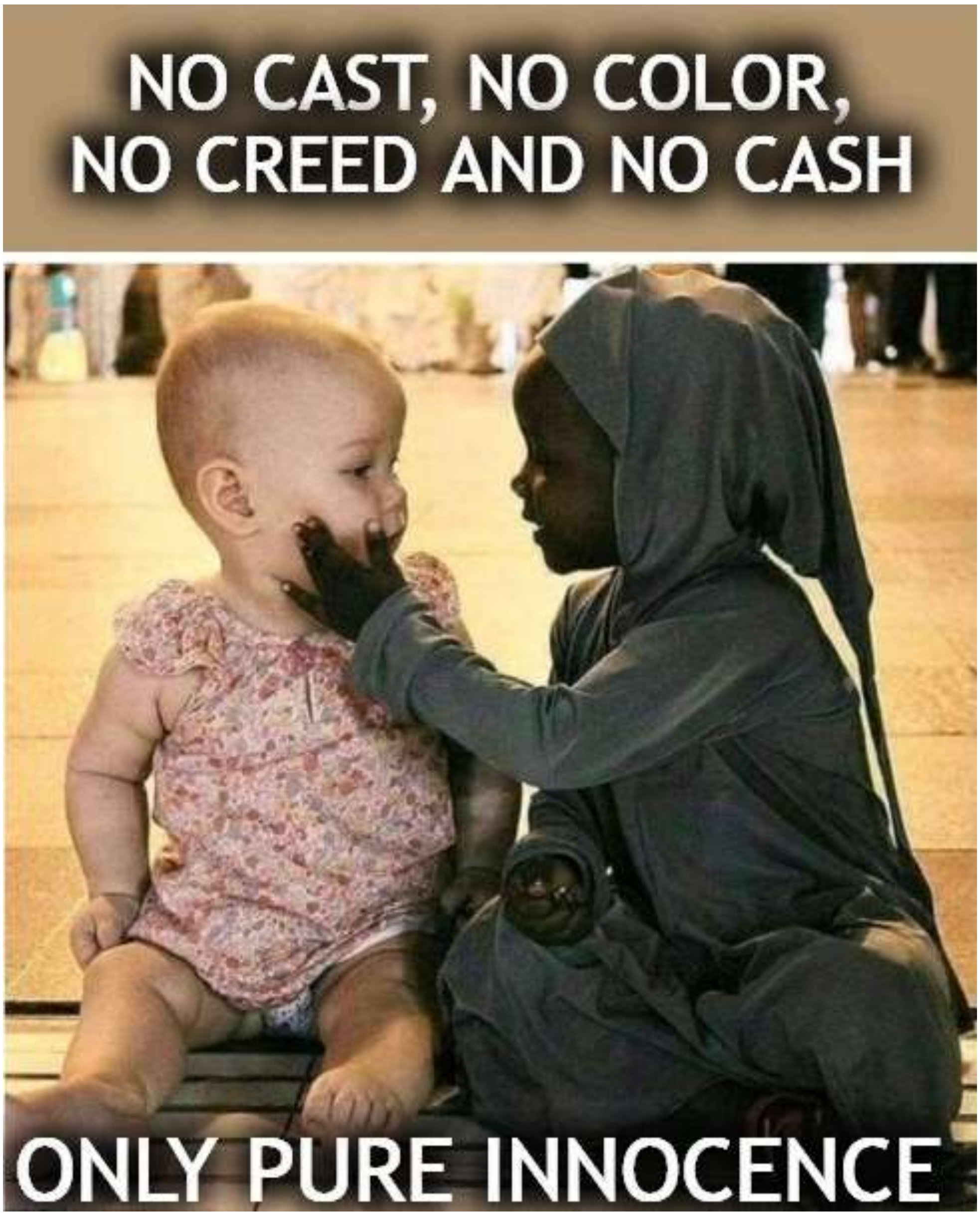
We are to discover that truth which is freedom and love has been hidden from us.

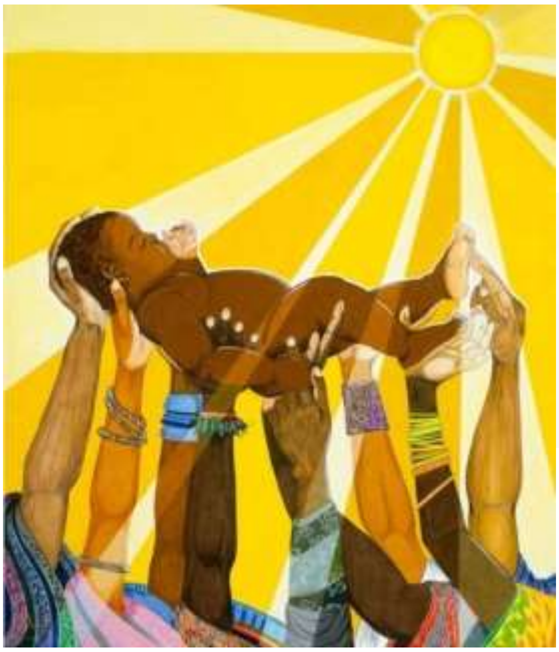
We are to discover that our feelings are our truth.

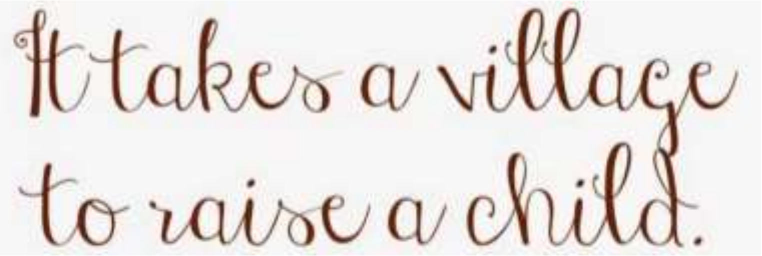
We are to discover that we are each fully self-contained - truth is within us - and that it is our soul based feelings that generations have told us to suppress and ignore.

No more controlling institutionalised systems are required! - NONE!

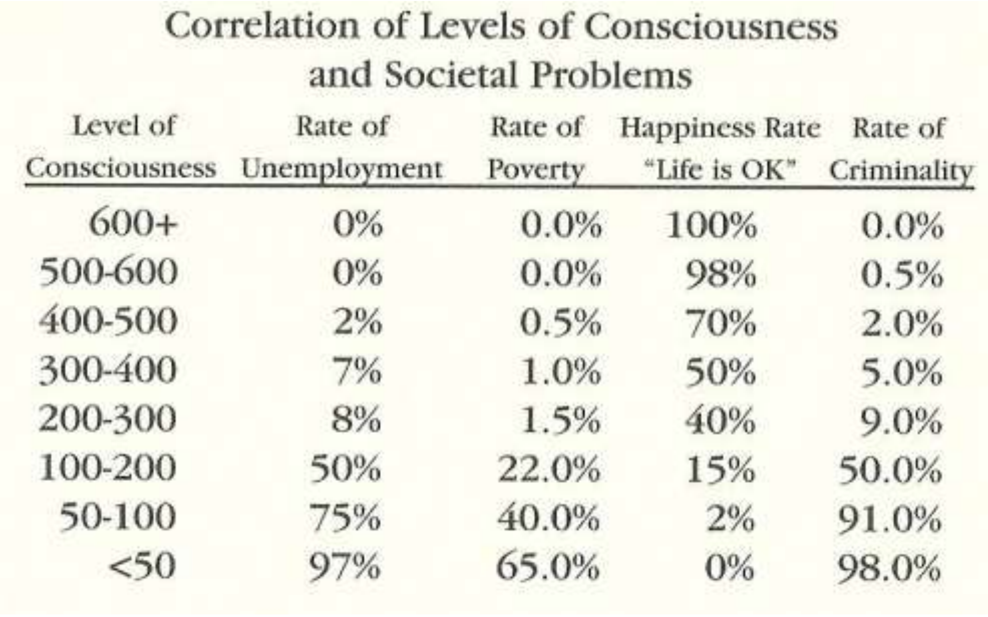
VOICE


NO CAST, NO COLOR,
NO CREED AND NO CASH
ONLY PURE INNOCENCE





It takes a village to raise a child.



Correlation of Levels of Consciousness and Societal Problems

Level of Consciousness	Rate of Unemployment	Rate of Poverty	Happiness Rate "Life is OK"	Rate of Criminality
600+	0%	0.0%	100%	0.0%
500-600	0%	0.0%	98%	0.5%
400-500	2%	0.5%	70%	2.0%
300-400	7%	1.0%	50%	5.0%
200-300	8%	1.5%	40%	9.0%
100-200	50%	22.0%	15%	50.0%
50-100	75%	40.0%	2%	91.0%
<50	97%	65.0%	0%	98.0%

The lower one's level of consciousness is the lower one's life expectancy is, the lower one's income is, and the more likely we may end up in a prison!

Generally speaking, it may be considered that an Australian Aboriginal is around 12 times more likely to end up in a prison than a new Australian. Australians overall calibrate around MoC 415 and the Australian Aboriginals calibrate around MoC 290, however the Australian Aboriginals who live clustered together in small remote communities typically calibrate around MoC 190. The above chart tells the story – high criminality prevails – and that story is the same all around the world.

It has come this time in history that all psychic barriers and family traditional customs and norms are to be confronted, questioned, tested and put to the sword as appropriate. We will each come to the realisation that generations before us did not know any better and accepted what had been accepted by their parents, and their parents before them. All is based on our mind's determinations and they are flawed by the limitations of our mind which cannot discern truth from falsehood, is addicted to untruth and also addicted to control, control over others and the environment around us. This is entrenched by our teachers, by our spiritual leaders, by our employers and by the multiple layers of government who we are subjected to, none knowing any better than others. It is our feelings, our soul-based feelings that are always in truth and love – these we are taught to suppress!

This erroneous way of living was imposed upon us by high level spirit personalities who wanted to keep us subjected to their personal agendas.

There is no greater controlling agent than our parents. It is our parents' controlling addictions that is the elephant in the room.

Through our parents' controlling addiction we each end up calibrating on the map of consciousness at the same level as one or the other of our parents, thus humanity continues to not grow in truth and love. A perfect controlling mechanism imposed upon us by hidden controllers two hundred thousand years ago!

Now we are to put that all aside and it is an enormous task that will take all of the next one thousand years – the coming Avonal Age.

Torres Strait Island Regional Council, northern tip Queensland – mostly Aboriginal populations:
Empowering our people, in our decision, in our culture, for our future
http://www.tsirc.qld.gov.au/our-region/torres-strait/geographical-location-and-map

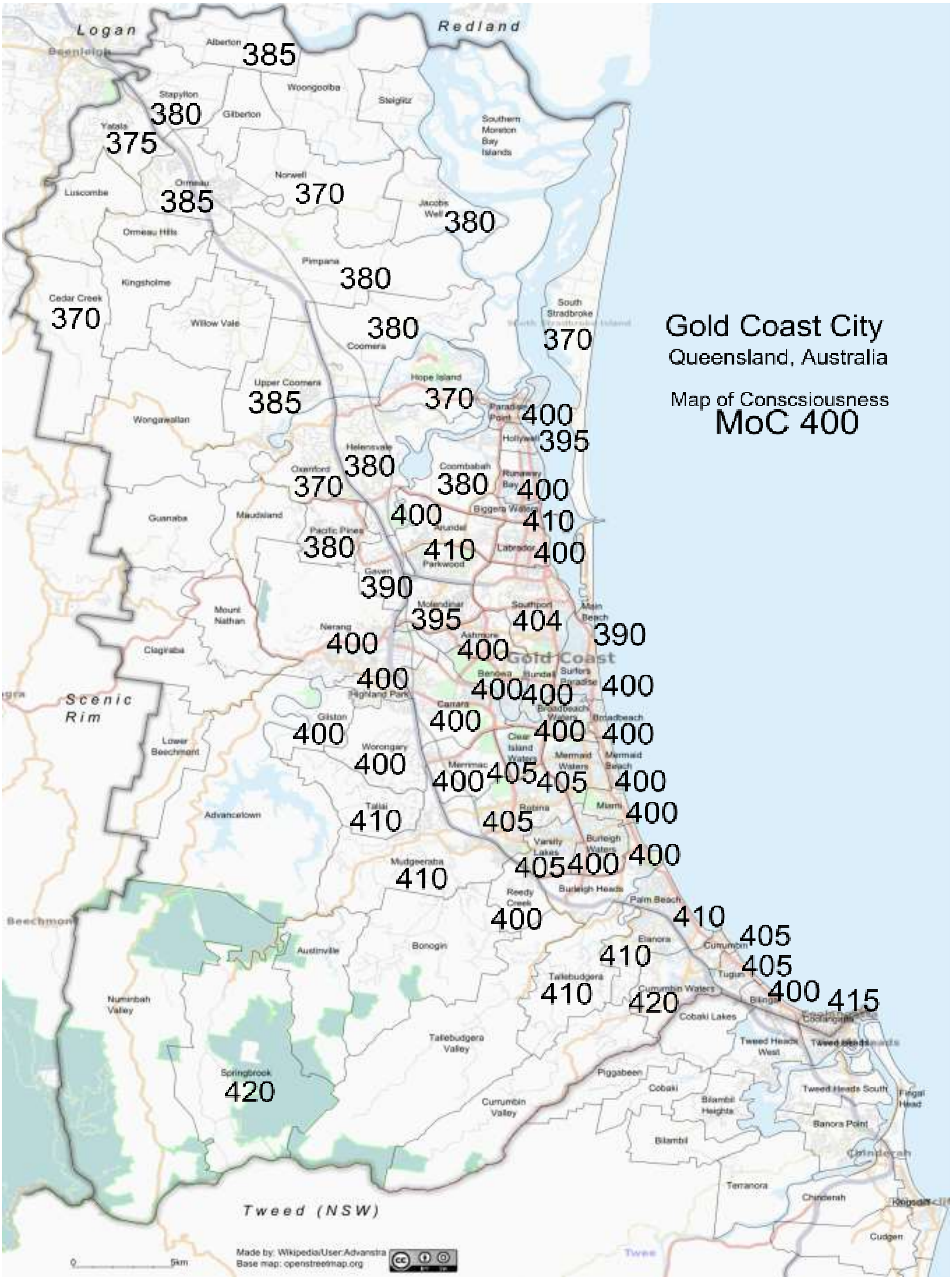
TORRES STRAIT POPULATION			MoC	MoC
Eastern Islands	**Population No**		**Calibration**	
Mer (Murray Island)	450		193	
Erub (Darnley Island)	400		190	
Ugar (Stephen or Stephens Island)	80		175	
		930		188
Central Islands				
Iama (Yam or Turtle-backed Island)	350		180	
Masig (Yorke Island)	180		174	
Warraber (Sue Island)	250		175	
Puruma (or Poruma) (Coconut Island)	180		172	
		960		178
Western Islands				
Badu (Mulgrave Island)	900		180	
Moa (Banks Island) Kubin Community	350		176	
Moa (Banks Island) St Pauls Community	240		175	
		1,490		177
Southern Islands				
Waiben (or Wayben) (Thursday Island)	2,610		205	
Keiri (or Kiriri) (Hammond Island)	220		188	
Nurupai (or Ngurupai) (Horn Island)	600		195	
Muralag (Prince of Wales Island)	20		180	
		3,450		195
Northern Islands				
Saibai (Saibai Island)	400		176	
Boigu (Talbot Island)	260		175	
Dauan (Mt Cornwallis Island)	150		174	
		810		175
Cape York communities				
Bamaga	800		179	
Seisia	165		177	
		965		178
	8,605	8,605	194	194
Torres Strait Population:				
Indigenous / native + PNG population		84.0%		
Non-indigenous / white population		16.0%		
		100.0%		
Northern Territory				
Katherine	10,000		199	
Tennant Creek	3,100		204	
Alice Springs	25,200		218	
Australia (overall)				415

Kindly go to www.pascashealth.com then Library Download page, scroll down to Kids of the World and click on to open the PDF:

Pascas Care Kids of the World Communities Torres Strait.pdf

Pascas Care Letters Voice to Parliament Australian Aboriginals.pdf

GOLD COAST CITY calibration of consciousness of suburban residents:


Logan
Redland
Beenleigh
Alberton 385
Woongoolba
Steiglitz
Stapylton 380
Gilberton
Yatala 375
Southern Moreton Bay Islands
Norwell 370
Luscombe
Ormeau 385
Jacobs Well 380
Ormeau Hills
Pimpama 380
Kingsholme
Cedar Creek 370
Willow Vale
Coomera 380
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North Stradbroke Island
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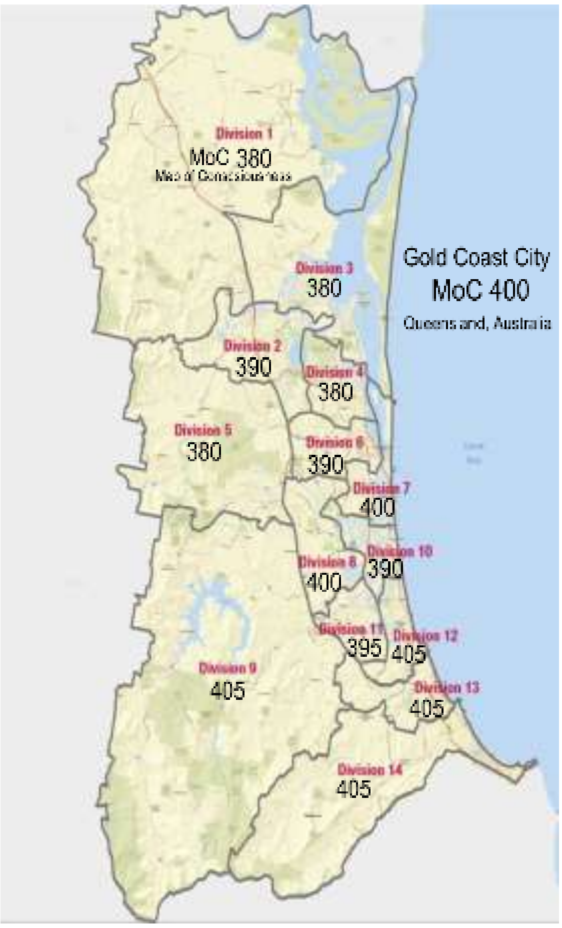
MoC 400
Upper Coomera 385
Hope Island 370
Paradise Point 400
Hollywell 395
Wongawallan
Helensvale 380
Oxenford 370
Coombabah 380
Runaway Bay 400
Guanaba
Maudsland
400
Biggera Waters 410
Pacific Pines 380
Arundel 410
Parkwood
Labrador 400
Gaven 390
Mount Nathan
Molendinar 395
Southport 404
Main Beach 390
Nerang 400
Ashmore 400
Clagiraba
Gold Coast
400
Highland Park
Benowa 400
Bundall 400
Surfers Paradise 400
Scenic Rim
Gilston 400
Carrara 400
Broadbeach Waters 400
Broadbeach 400
Lower Beechmont
Worongary 400
Clear Island Waters
Merrimac 400
405
Mermaid Waters 405
Mermaid Beach 400
Advancetown
Tallai 410
Robina 405
Miami 400
Mudgeeraba 410
Varsity Lakes 405
Burleigh Waters 400
400
Burleigh Heads
Reedy Creek 400
Palm Beach 410
Beechmont
Austinville
Bonogin
Elanora 410
Currumbin 405
Tugun 405
Tallebudgera 410
Currumbin Waters 420
Bilinga 400
Coolangatta 415
Numinbah Valley
Cobaki Lakes
Tallebudgera Valley
Tweed Heads West
Tweed Heads
Springbrook 420
Piggabeen
Cobaki
Currumbin Valley
Bilambil Heights
Tweed Heads South
Fingal Head
Banora Point
Bilambil
Chinderah
Terranora
Kingscliff
Tweed (NSW)
Cudgen
Made by: Wikipedia/User:Advanstra
Base map: openstreetmap.org
0
5km

Gold Coast City area, Map of Consciousness (MoC) calibration overall: **400**

The kinesiology muscle testing calibrations of most of the suburbs of the Gold Coast are outlined in contrast to the calibration of remote Australian communities which are mostly populated by Australian aboriginals who typically continue to embrace traditional customs and life style.

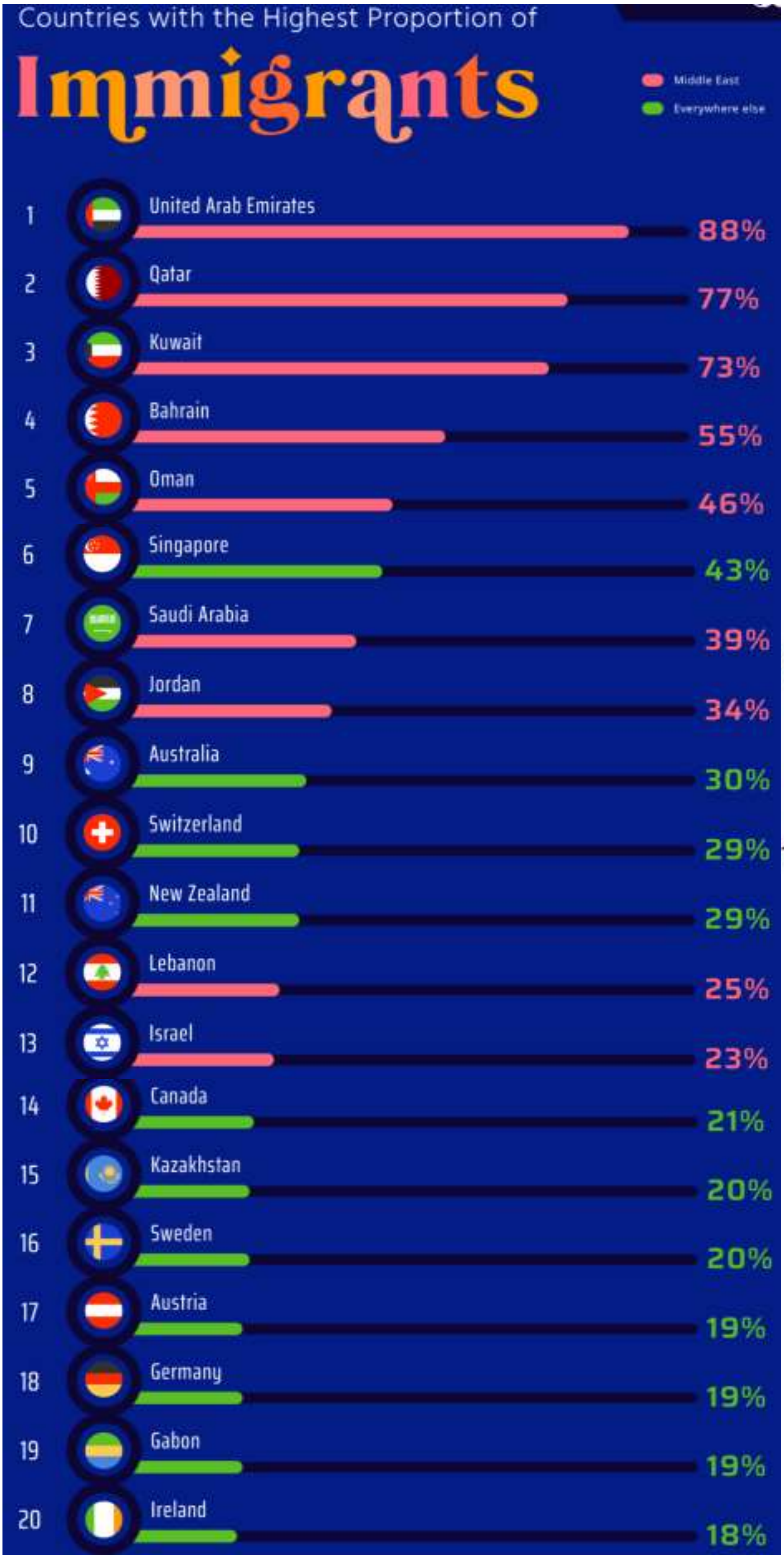
GOLD COAST	**MoC**	**400**	
Suburbs	**MoC**	**Suburbs**	**MoC**
Alberton	385	Gilston	400
Stapylton	380	Carrara	400
Yatala	375	Benowa	400
Ormeau	385	Bundall	400
Norwell	370	Surfers Paradise	400
Jacobs Well	380	Broadbeach Waters	400
Pimpama	380	Broadbeach Waters	400
Cedar Creek	370	Mermaid Beach	400
Coomera	380	Mermaid Waters	405
Upper Coomera	385	Clear Island Waters	405
South Stradbroke	370	Merrimac	400
Hope Island	370	Worongary	400
Helensvale	380	Tallai	410
Oxenford	370	Mudgeeraba	410
Coombabah	380	Robina	405
Paradise Point	400	Miami	400
Hollywell	395	Burleigh Heads	400
Runaway Bay	400	Burleigh Waters	400
Biggera Waters	410	Varity Lakes	405
Pacific Pines	380	Reedy Creek	400
Gaven	390	Palm Beach	410
Arundel	400	Elanora	410
Parkwood	410	Tallebudgera	410
Labrador	400	Currumbin Waters	420
Southport	404	Currumbin	405
Molendinar	395	Tugun	405
Main Beach	390	Bilinga	400
Ashmore	400	Coolangatta	415
Nerang	400	Springbrook	415
Highland Park	400		

Council Divisions	**MoC**
1	380
2	390
3	380
4	380
5	385
6	395
7	400
8	400
9	405
10	400
11	400
12	405
13	405
14	405


Division 1
MoC 380
Map of Consciousness
Gold Coast City
MoC 400
Queensland, Australia
Division 3
380
Division 2
390
Division 4
380
Division 5
380
Division 6
390
Division 7
400
Division 10
390
Division 8
400
Division 11
395
Division 12
405
Division 9
405
Division 13
405
Division 14
405

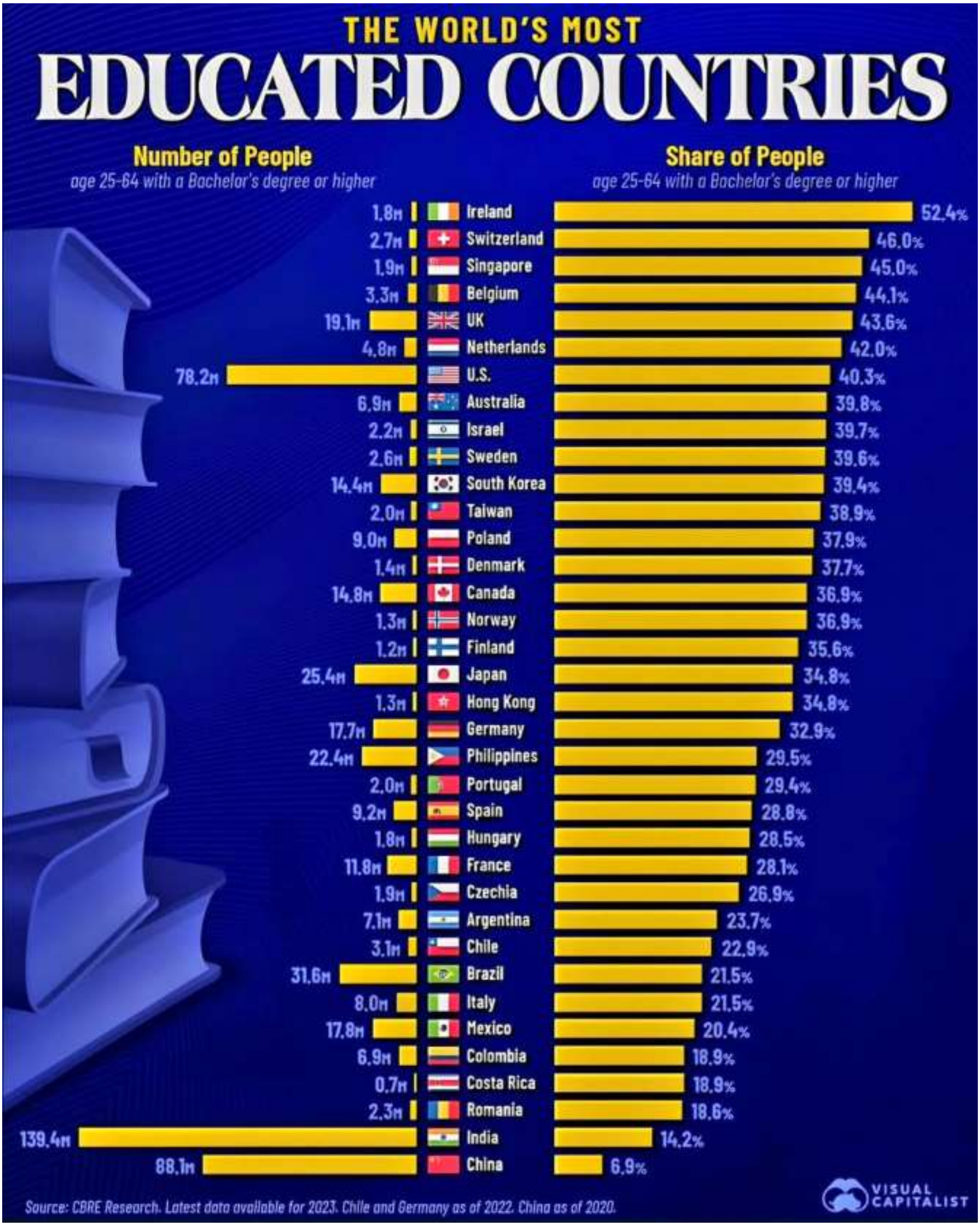
GOLD COAST CITY
SURFERS PARADISE
Airport
Major Road
Other Roads
Railway
Queensland/New South Wales Border
National Park/Conservation Area
Gold Coast City Statistical District
Local Government Areas
SOUTH
PACIFIC
OCEAN
NEW SOUTH WALES

Gold Coast-Tweed Head, Australia, Statistical Area Population 2023 732 000



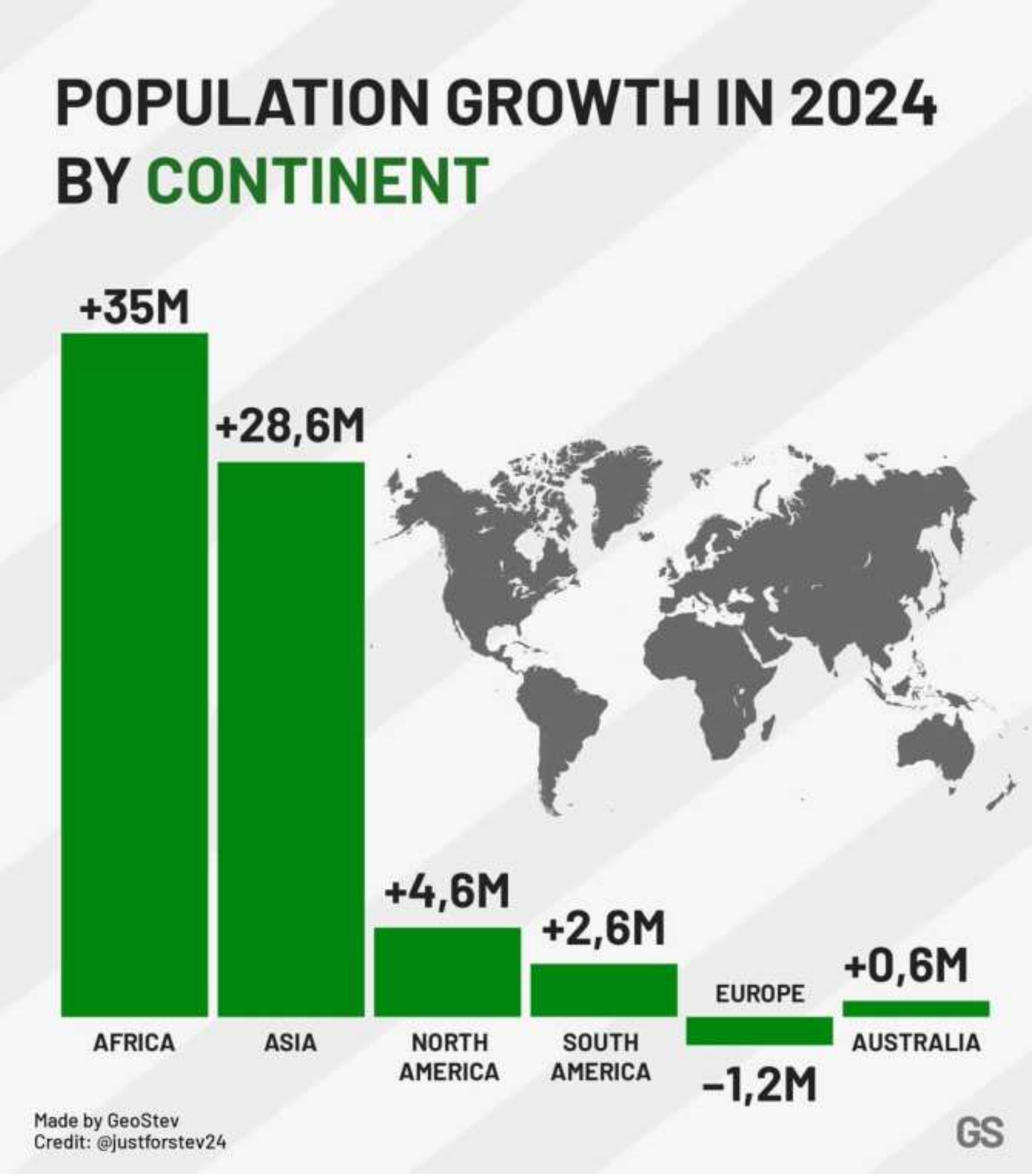
The best countries to relocate to in 2025 according to TikTok

1. Canada
2. Spain
3. Australia
4. Portugal
5. Thailand
6. France
7. Mexico
8. Japan
9. Vietnam
10. USA



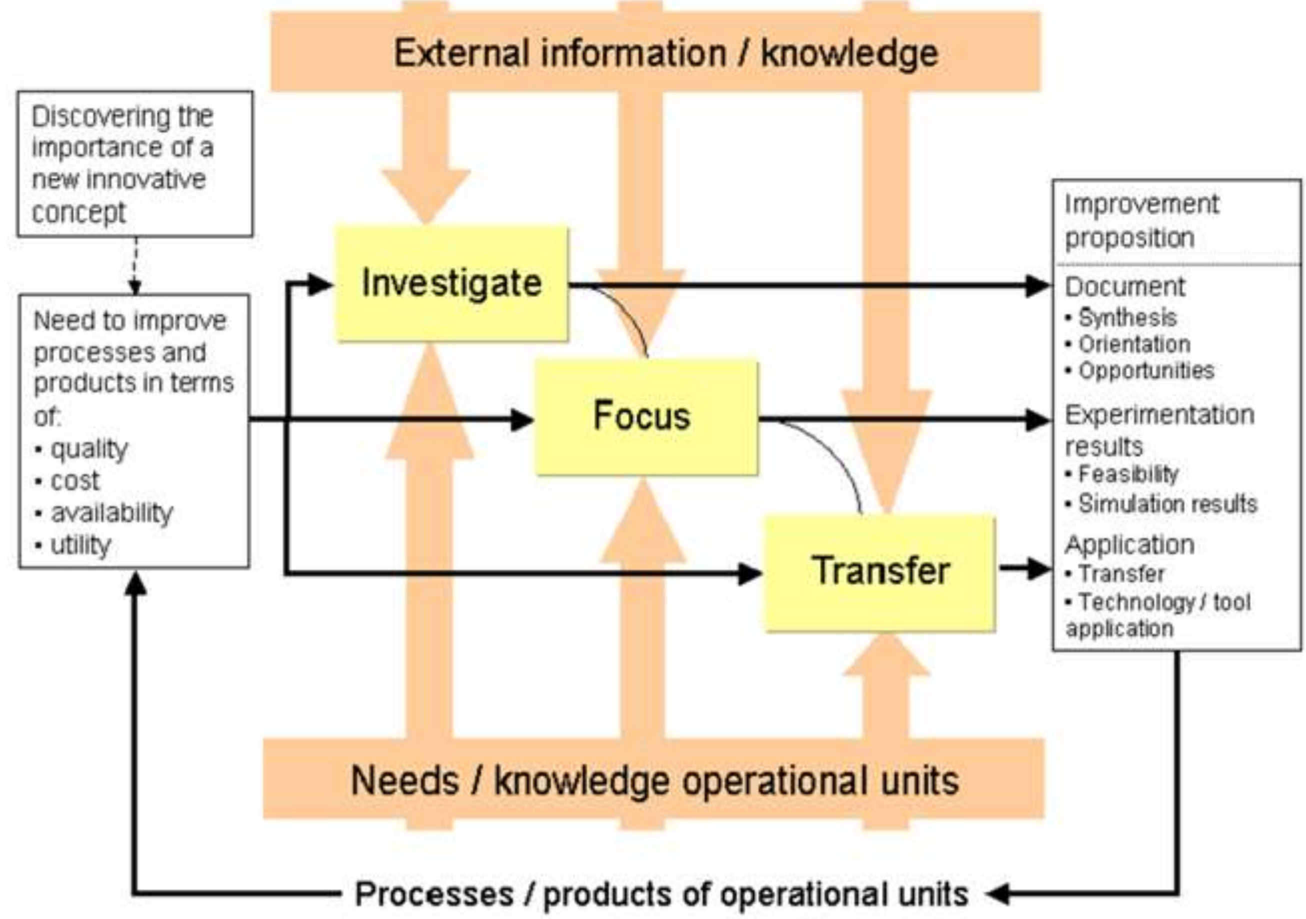
THE WORLD'S MOST EDUCATED COUNTRIES

Source: CBRE Research. Latest data available for 2023. Chile and Germany as of 2022. China as of 2020.


POPULATION GROWTH IN 2024
BY CONTINENT
+35M
AFRICA
+28,6M
ASIA
+4,6M
NORTH AMERICA
+2,6M
SOUTH AMERICA
EUROPE
−1,2M
+0,6M
AUSTRALIA
Made by GeoStev
Credit: @justforstev24
GS

Centre for Advanced Technologies

Australia must return to nation building

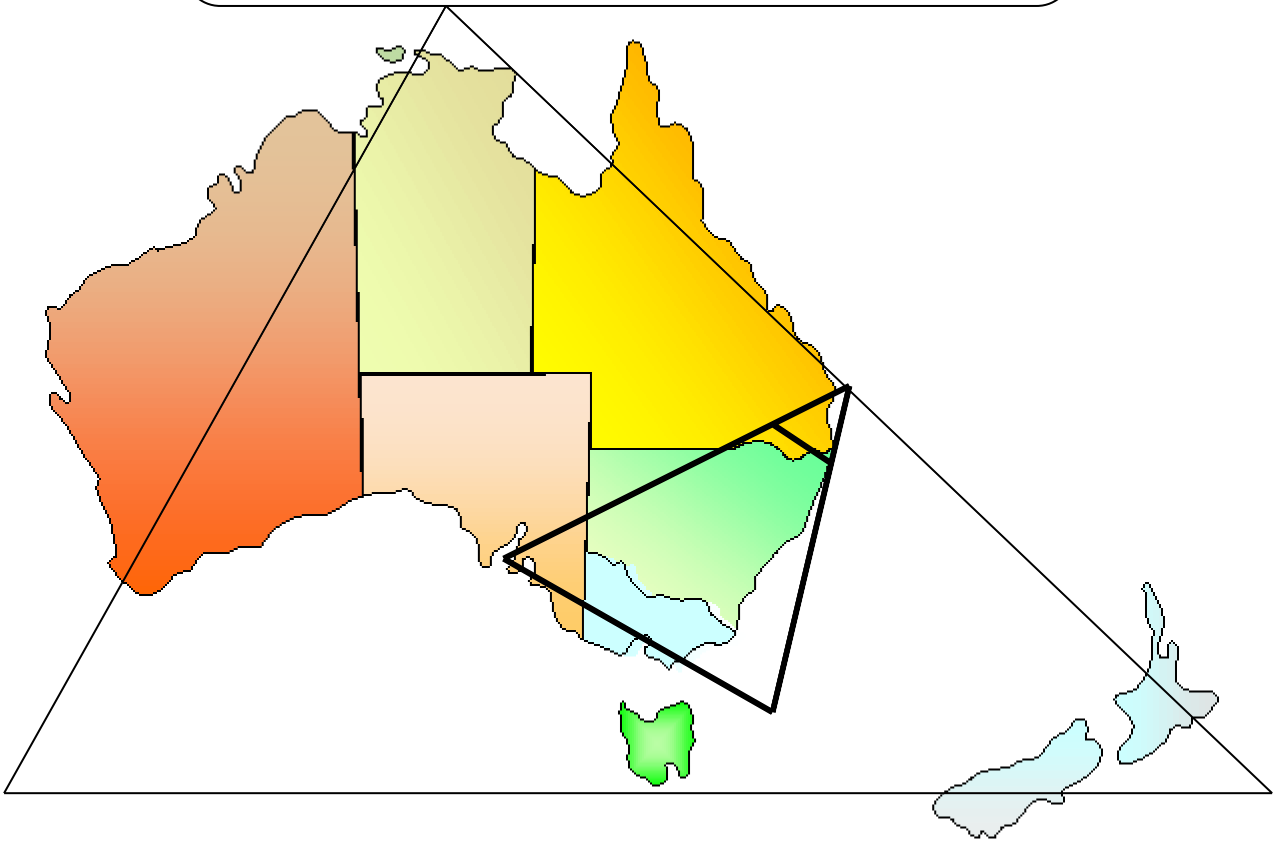

External information / knowledge
Discovering the importance of a new innovative concept
Need to improve processes and products in terms of:
• quality
• cost
• availability
• utility
Investigate
Focus
Transfer
Improvement proposition
Document
• Synthesis
• Orientation
• Opportunities
Experimentation results
• Feasibility
• Simulation results
Application
• Transfer
• Technology / tool application
Needs / knowledge operational units
Processes / products of operational units

Science
INDUSTRIAL RESEARCH
Management
Innovation
Analysi

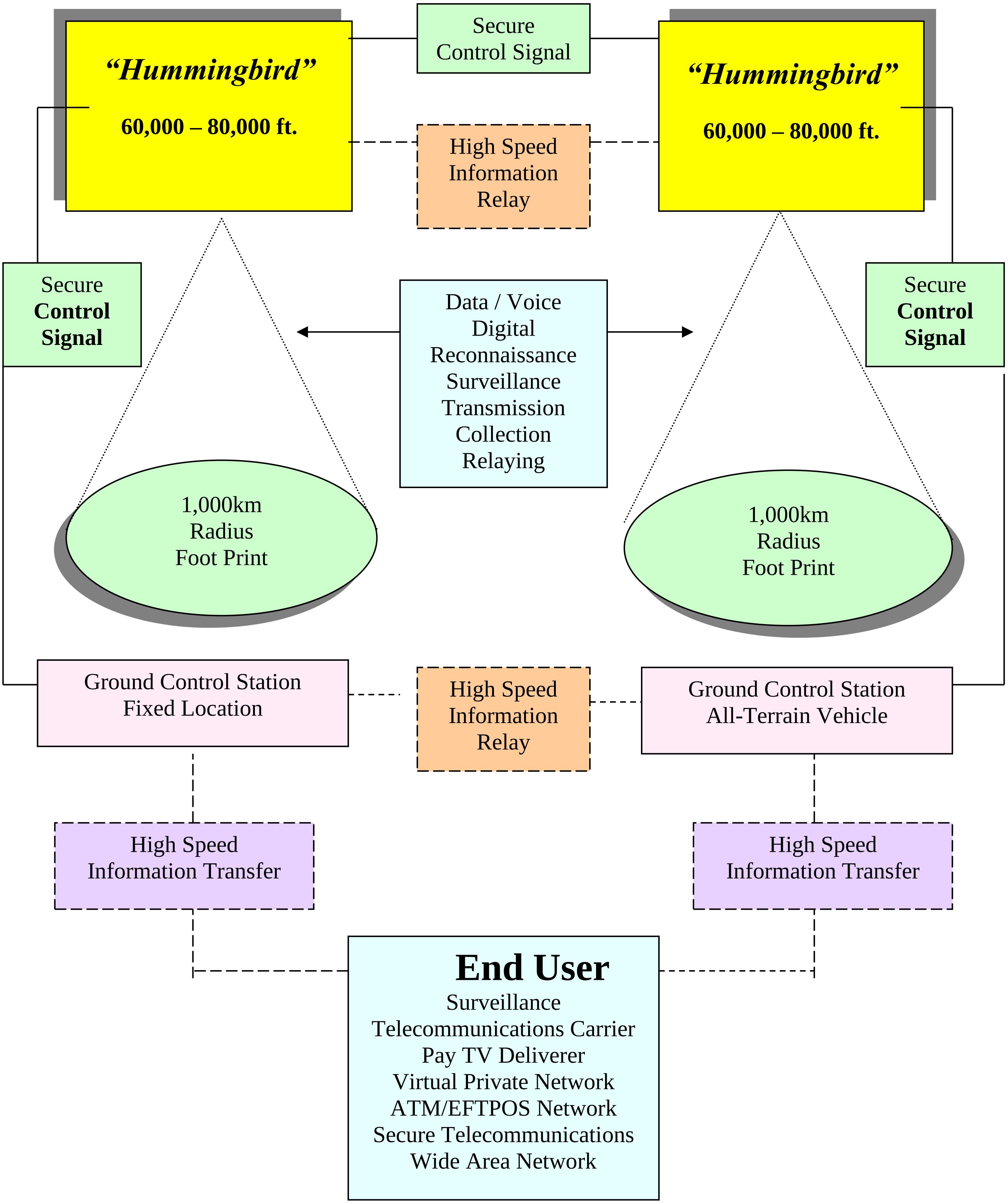
CENTRE for ADVANCED TECHNOLOGIES
CATs
PROTECTS and NURTURES
SUPPORTS BUSINESS PLAN DELIVERY

CENTRE for ADVANCED TECHNOLOGIES
brings to the table
new technologies through the
CREATIVE ADVANCEMENT TRIANGLES

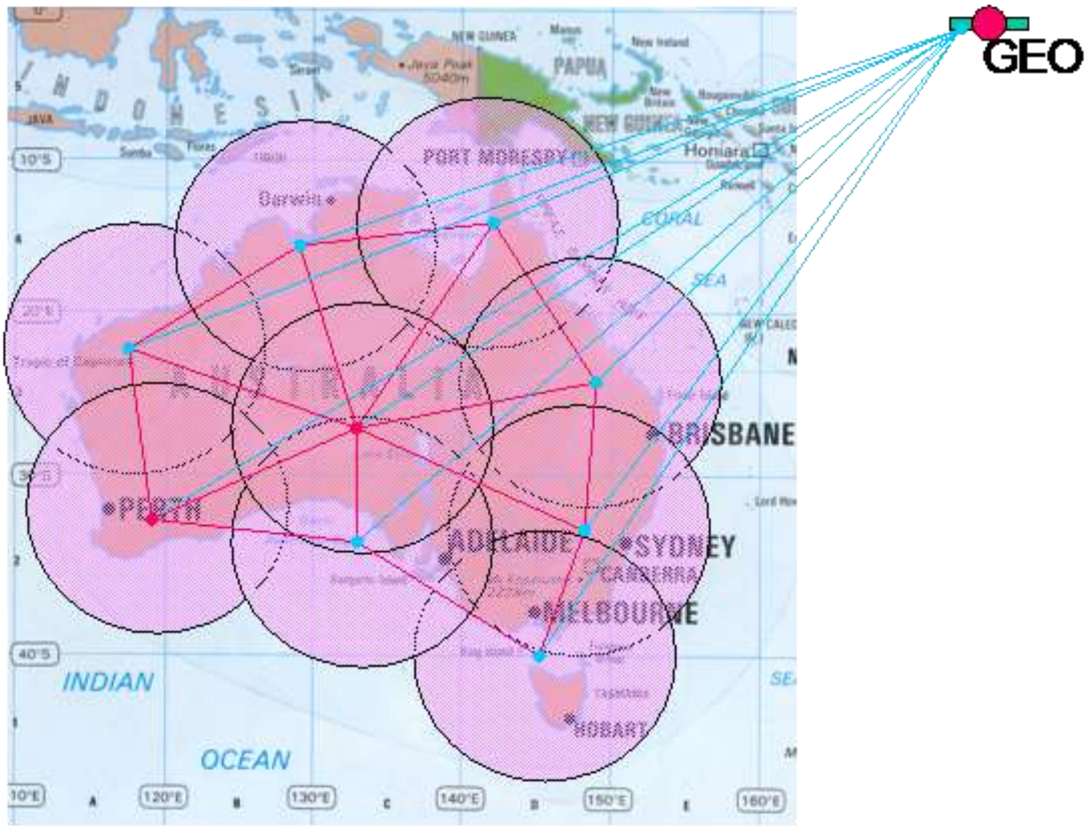
CATs collaborates with other research groups or triangles from around the world.
CATs people interchange capabilities with others to grow mutual outcomes.



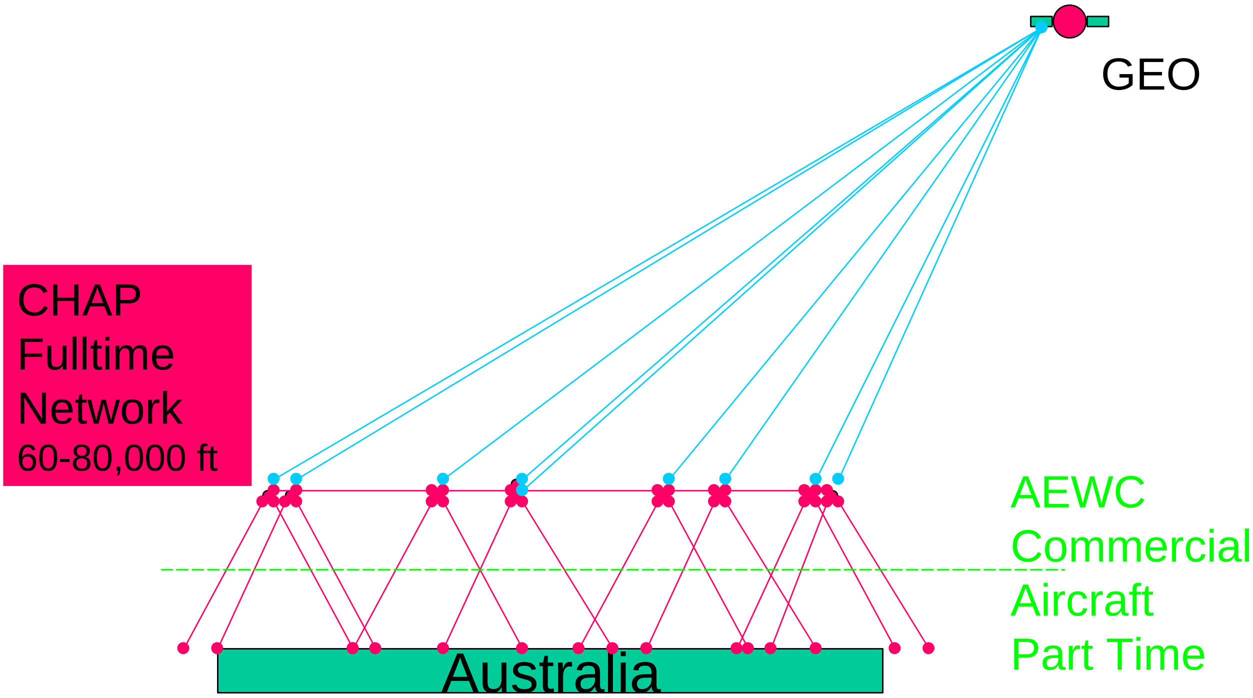
COMMUNICATIONS – NATIONAL COVERAGE – CHAP:
Communications High Altitude Platform – CHAP


"Hummingbird"
60,000 – 80,000 ft.
Secure Control Signal
"Hummingbird"
60,000 – 80,000 ft.
High Speed Information Relay
Secure Control Signal
Data / Voice Digital Reconnaissance Surveillance Transmission Collection Relaying
Secure Control Signal
1,000km Radius Foot Print
1,000km Radius Foot Print
Ground Control Station Fixed Location
High Speed Information Relay
Ground Control Station All-Terrain Vehicle
High Speed Information Transfer
High Speed Information Transfer
End User
Surveillance
Telecommunications Carrier
Pay TV Deliverer
Virtual Private Network
ATM/EFTPOS Network
Secure Telecommunications
Wide Area Network

CHAP NETWORK COVERAGE OF AUSTRALIA


GEO
PORT MORESBY
Darwin
BRISBANE
PERTH
ADELAIDE
SYDNEY
CANBERRA
MELBOURNE
HOBART
INDIAN
OCEAN
CORAL
SEA
PAPUA
NEW GUINEA
INDONESIA
AUSTRALIA
Honiara
10°S
20°S
30°S
40°S
110°E
120°E
130°E
140°E
150°E
160°E

CHAP VERTICAL NETWORK:


GEO
CHAP
Fulltime
Network
60-80,000 ft
AEWC
Commercial
Aircraft
Part Time
Australia

PASCAS WORLDCARE

CENTRE for ADVANCED TECHNOLOGIES

Bringing together innovations which are appropriate and supportive of growing remote and emerging economies, a supportive management team has evolved to assist in commercialising these incredible opportunities with creative innovators and developers.

Members of our community are encouraged to share the great ideas that they may have and those of their friends and associates with us so that we can advance those new technologies and collectively support the development of same and their ultimate commercialisation.

We never ask nor require to know the secrets behind the technology, but need to know that it works.

Your support in what is possible and available with new innovations and technologies is most welcome.

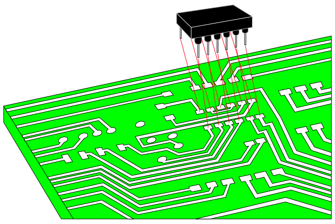
Also your added expertise in how to commercialise these technologies is most welcome.

You are invited to join CATs in any capacity that is appropriate for you, as an innovator, as management support, or any other way you see best.

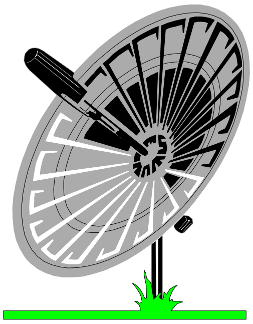
Technologies that we are working with:

CATs direct administration:

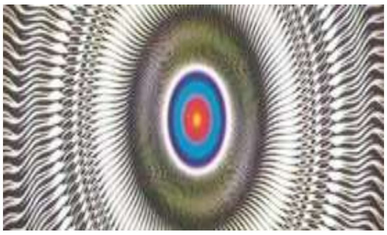
ADMINISTRATION CLUSTER GROUPINGS



COMMUNICATIONS



ENERGY



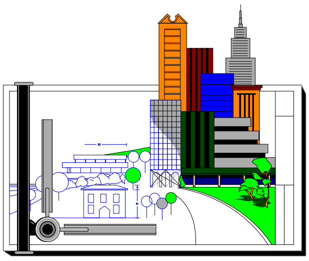
COMPLEMENTARY MEDICINE

AGRICULTURE

TECHNO-ORGANIC
CERTIFIED

FOOD

HOUSING / BUILDING / FURNITURE



ENVIRONMENTAL

RESOURCES

No two innovations or technologies are ever the same. Please consider sharing with us the parameters of your developments.

Live true to our feelings;
and long for the truth of them.

The Healing Frequencies
of the Human Body

HEALING by FREQUENCIES
https://www.facebook.com/share/r/19Ltv3nkLg/?sfnsn=mo&s=F5x8gs&fs=e&mibextid=6AJuK9

Japanese researcher Masaru Emoto, from his book “Messages from Water” provides factual evidence that human vibrational energy, thoughts, words, ideas and sound affect the molecular structure of water.

Many others have recognised the relevance of energy frequencies. Yes, we are all constructed of light energy. It is the many differing frequencies that come together to form our physical body. However we are more than a physical body. Our spirit body is essentially seven differing bodies, it is the outer spirit body, our etheric body, which is the template for our physical body in which we temporarily experience a physical life. When we separate from our physical body, we appear in the form of our etheric body which is exactly the same appearance as our physical body. We are spirits having a physical experience.

Researchers, scientists and medical professionals all ignore our spirit body. Our mind is within our spirit body. While medicine ignores the spirit body then healing of the physical body is not possible. Medicine suppresses the illness, discomfort and pain, but the problem remains within our spirit body only to return at a later time and typically in a more aggressive manner. Vaccinations are only temporarily limiting the disease which the vaccine is focused upon. Viruses emanate through the spirit body and typically mutate ahead of vaccine variants.

Scientists and medical researchers are only increasing the difficulties for humanity with their successes. While we continue to ignore our healing through Feeling Healing, medical suppressions are bringing about more virulent illnesses to override medical interventions. Medical suppression is only temporary relief.

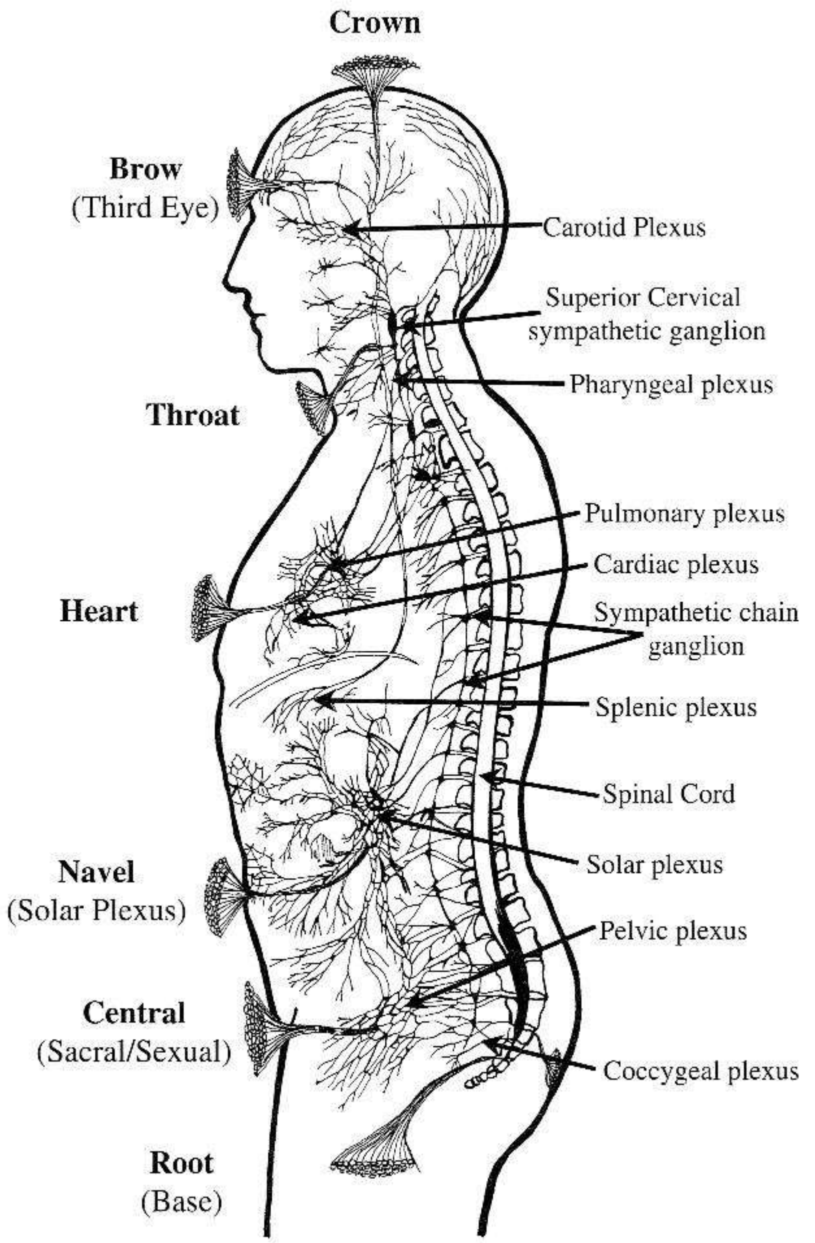
Feeling Healing does not require expensive medical equipment, drugs or other forms of aid. We can and are to progressively address our childhood suppression and through living feelings first we are to bring about the return of unimpeded pure flowing and circulating soul light from our soul then through our spirit body and into and through our physical body and its return to our soul, then being in harmony throughout circulation.

No aids are needed for us to heal. We are to express emotionally what our feelings draw to our attention while longing to know what our feelings are drawing our attention to, and we are to continue to express all that comes to our notice. Eventually we will completely express all of our emotional injuries and errors of belief and at that time, the harmony of soul light circulating through our bodies will not be interfered with and we will have no further need of discomfort, pain, illness or disease.

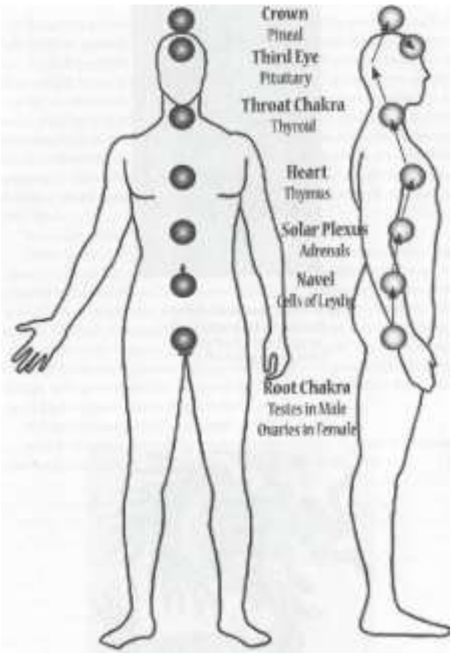
While we try to use outside interventions at large expenses all we are doing is making our life more complex while putting off the inevitable, the need to express our injuries through the process of Feeling Healing and to live Feelings First.

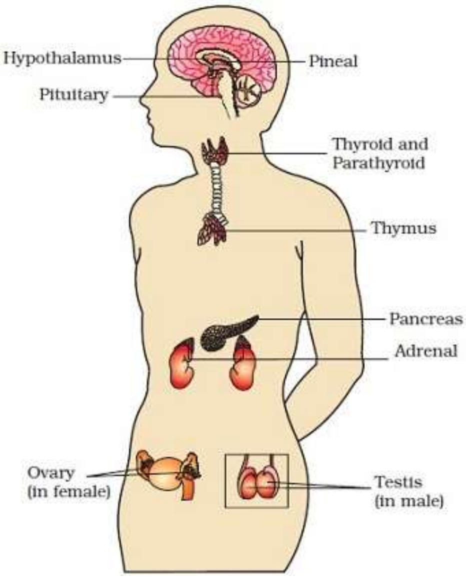
INTERCONNECTION of BODIES:

The spirit body is the template of the physical body. Once the spirit body is created at conception, one's pre-existing soul connects through cords of light to the spirit body, within the heart region. Energy flows into the chakras, main chakras are depicted here, such energy then flows through the meridians that run the full length of one's body in various channels. It is due to emotional injuries and errors of belief that flows of energy may become blocked.
The main meridian interconnects with the main chakras. When one is sensitive to the inflowing of Divine Love, one may enjoy a warmth around the heart region and /or the third eye which then may reach around the cranium encapsulating the pituitary gland / crown chakra.


Crown
Brow
(Third Eye)
Carotid Plexus
Superior Cervical sympathetic ganglion
Pharyngeal plexus
Throat
Pulmonary plexus
Cardiac plexus
Heart
Sympathetic chain ganglion
Splenic plexus
Spinal Cord
Navel
(Solar Plexus)
Solar plexus
Pelvic plexus
Central
(Sacral/Sexual)
Coccygeal plexus
Root
(Base)

Chakra and Nerve Plexuses Locations. *Each of the major chakras is associated with a major nerve plexus within the body.*


Crown
Pineal
Third Eye
Pituitary
Throat Chakra
Thyroid
Heart
Thymus
Solar Plexus
Adrenals
Navel
Cells of Leydig
Root Chakra
Testes in Male
Ovaries in Female

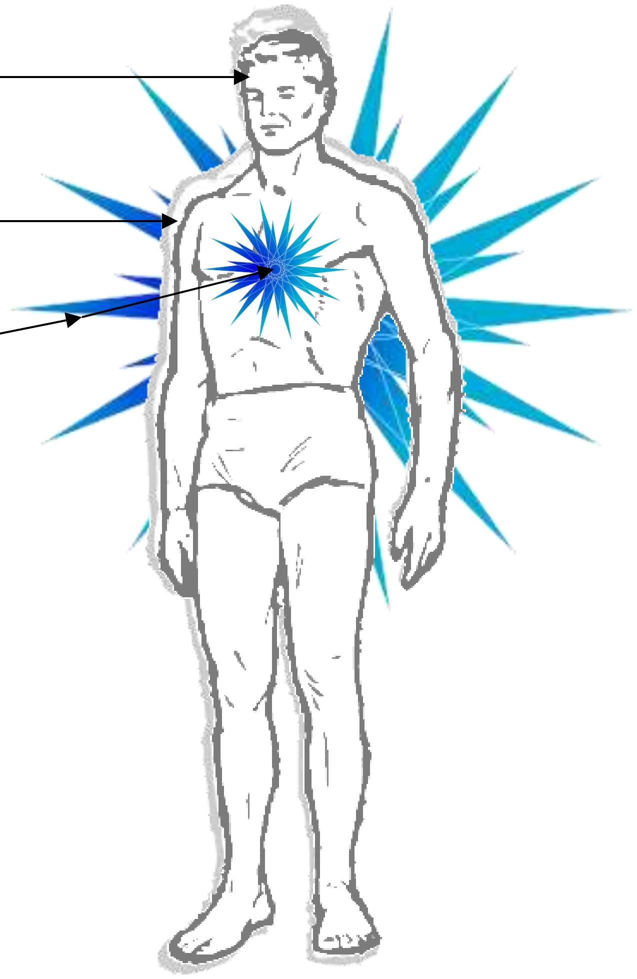

Hypothalamus
Pineal
Pituitary
Thyroid and Parathyroid
Thymus
Pancreas
Adrenal
Ovary (in female)
Testis (in male)

ASPECTS of LIFE:

Physical / material body
Brain

Spirit / etheric body
Mind

Soul + Spirit Combination
Senses
Desires
Memory
Passions
Intention
Free Will
Emotions
Creativity
Awareness
Personality
Aspirations
Intelligence
Consciousness
The Real You is your Soul!



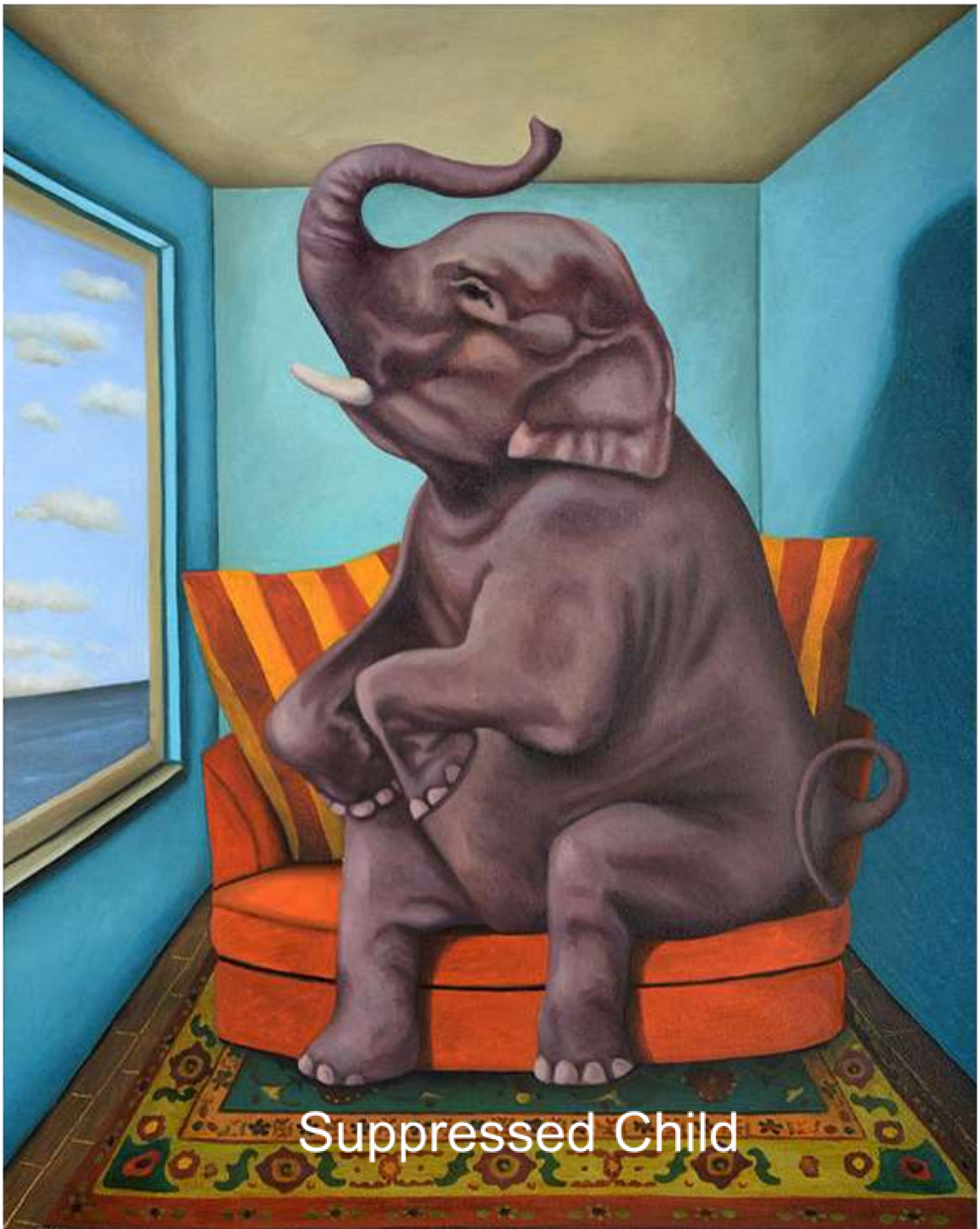
The spirit body is composed of a different kind of matter, "finer" or more "ethereal". The fact that its aspect reflects the condition of soul is a clear indication that the soul influences largely its formation, and even more, the soul is indeed the creator of this body, which covers it and provides it with the characteristic of individuality. The formation of the spirit body begins at the moment of incarnation of the soul in the foetus, incarnation which only takes place should there exist a high probability that the spirit of life has found in the new organism a stable biological structure, allowing it to carry out its life-giving function. P529 Judas of Kerioth 8th May 2002

At the moment of conception, we achieve individualisation and become self aware and we are then able to exercise our free will. Incarnation is when the embryo first pumps blood – day 16. At the moment of conception, our soul, being our real self, is creating the newly forming embryo and everything else every step of the way as Judas says above. And our soul utilises our physical parents' life forces to achieve incarnation.

At the moment of conception, there is nothing of the Divine within us. Only as we proceed with our Feeling Healing and to ask for and receive Divine Love does our soul slowly and progressively change into the nature of that which is Divine. As we embrace Feeling Healing and our soul receives Divine Love, our soul will grow, and grow, and grow in brilliance and into that which is Divine – this is reflected through our spirit body.

The one and only truly
effective vaccine is
the healing of our
Childhood Suppression
and ongoing Repression
through FEELING HEALING!

Childhood Suppression is the elephant in the room!

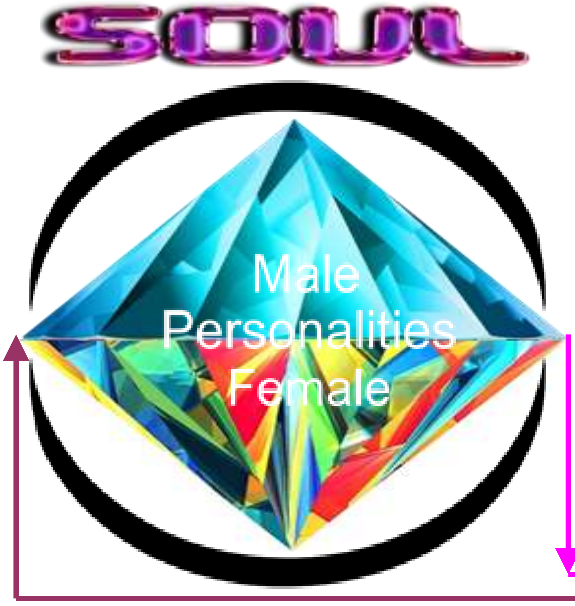

Suppressed Child

Childhood Suppression

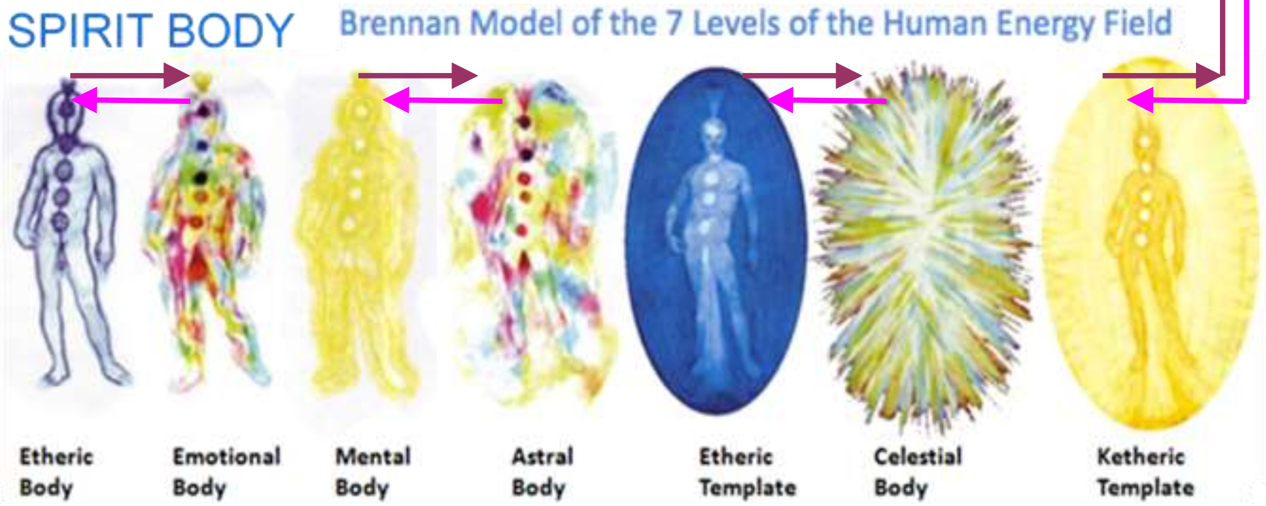
The soul does it all. The soul is a duplex, two personalities being manifested into the physical by our soul.

Soul light continually flows from the soul through our spirit body levels and into our physical.

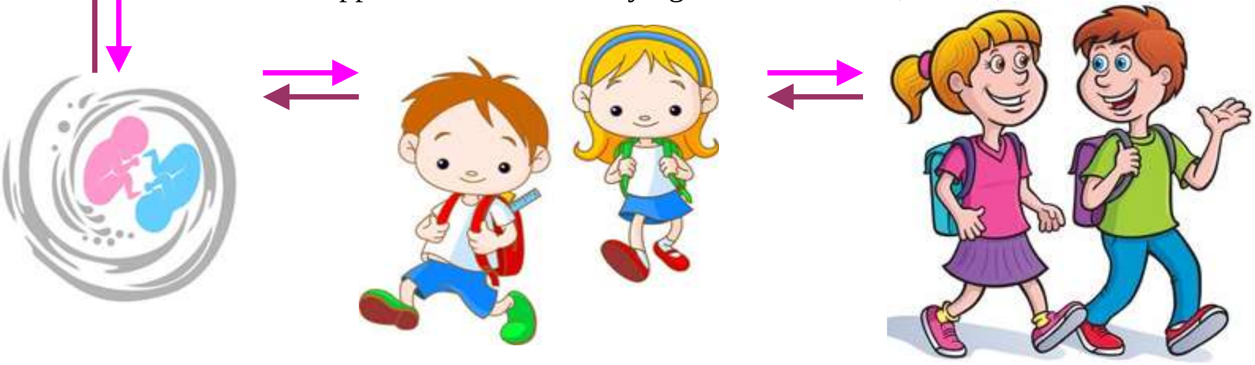
Return light being the experiences of our physical existence.


SOUL
Male
Personalities
Female

Childhood suppression imposed upon us by our parents and carers causes retarded light to return to our soul bringing about imbalance, reflecting emotional injuries and errors of belief. This imbalance is the cause of all our difficulties throughout our adult life and also all of our health issues.

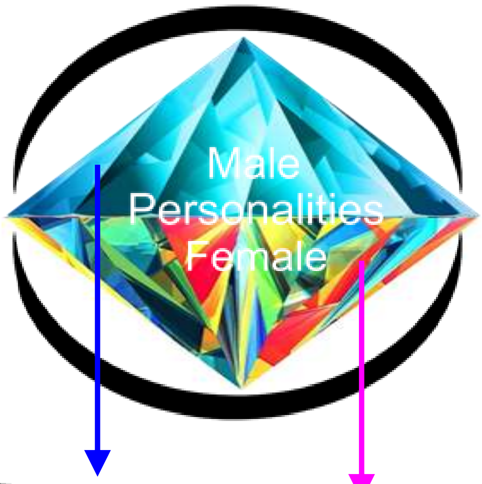

SPIRIT BODY
Brennan Model of the 7 Levels of the Human Energy Field
Etheric Body
Emotional Body
Mental Body
Astral Body
Etheric Template
Celestial Body
Ketheric Template

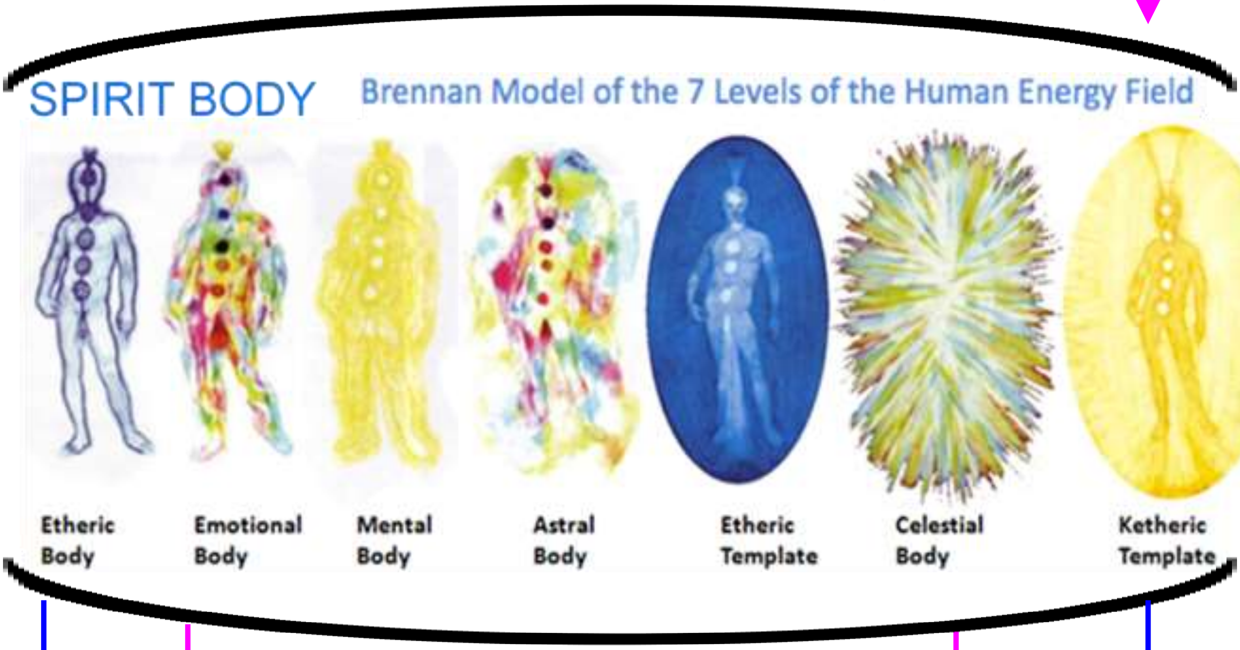
Every experience is recorded through the light returning through our spirit body and back to our soul. What emotional injuries we experience, commencing from conception, has to be expressed emotionally to heal the imbalance in soul light so that harmony and health can be achieved in our spirit and physical bodies. Childhood Suppression is the underlying cause of disease, illness, etc.

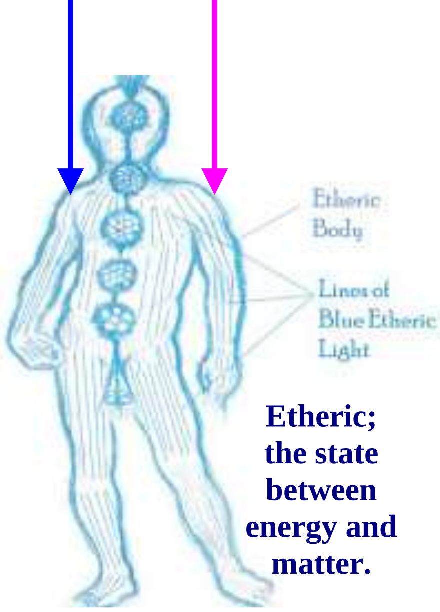


Childhood Suppression

Childhood Suppression – from conception to age six years – harmfully encrusts the soul, thus impeding light flow throughout all seven layers of the spirit body, damaging the genes within the spirit body which in turn damages the genes in the physical body, as well as setting the pattern for all of our physical health issues throughout our lives.

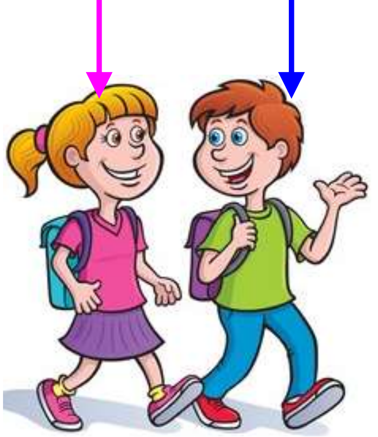

Male
Personalities
Female


SPIRIT BODY
Brennan Model of the 7 Levels of the Human Energy Field
Etheric Body
Emotional Body
Mental Body
Astral Body
Etheric Template
Celestial Body
Ketheric Template


Etheric Body
Lines of Blue Etheric Light

Etheric; the state between energy and matter.

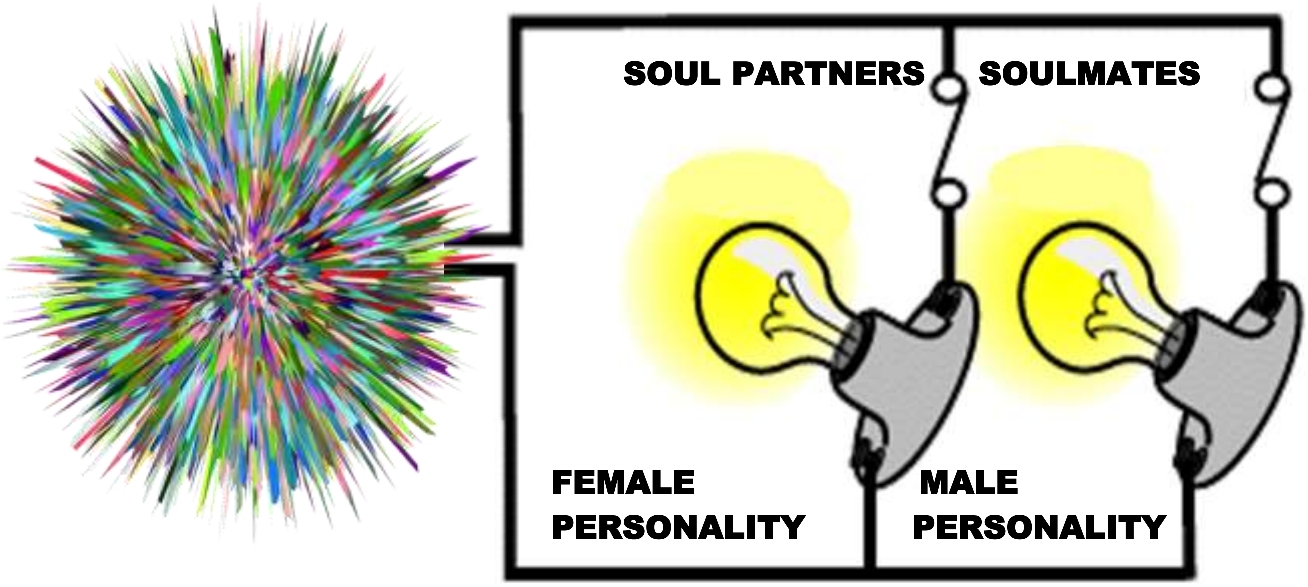
The spirit etheric body is the template for our physical body, however, no health care system or science considers that the underlying cause of any health issues are formed through our Childhood Repression and that no physical healing occurs without expressing our childhood suppressions, being feelings both good and bad and then longing for the truth behind these injuries. Medicine may suppress the pain – it does not and cannot cure – vaccines are extreme physical suppressions!



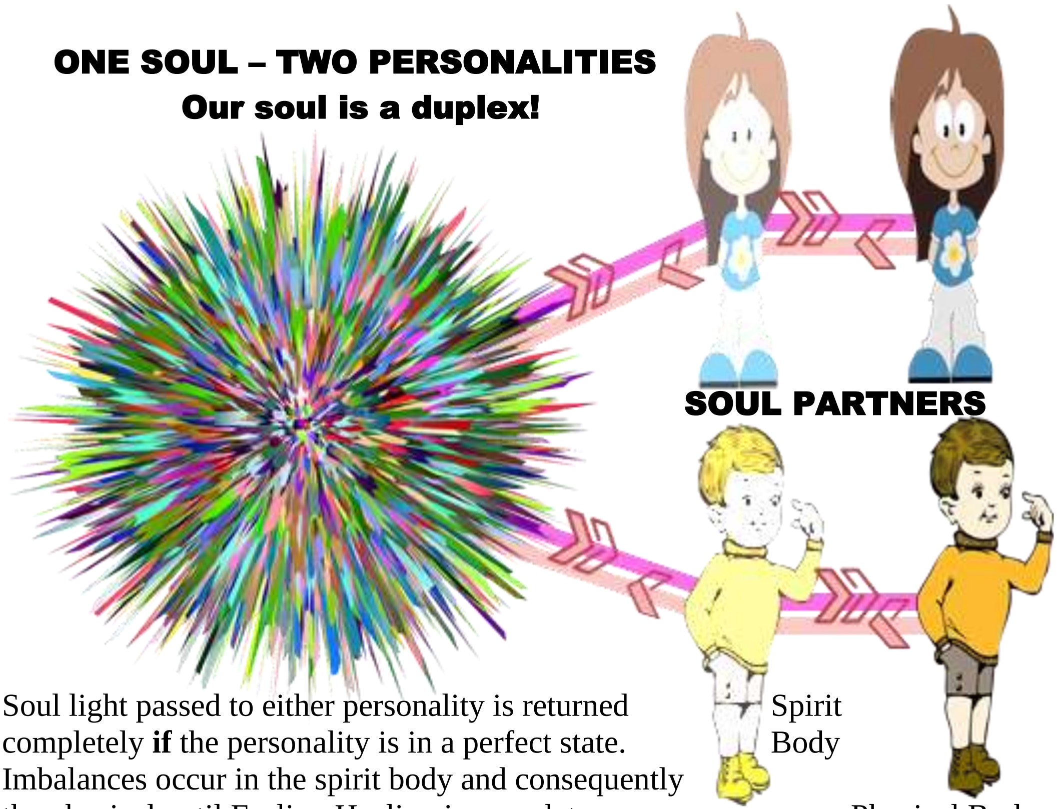
The pain from ANY illness will not exceed the pain experienced during our Childhood Suppression!

SOUL LIGHT emitted is to be BALANCED by the LIGHT RETURNED!

Two separate personalities on parallel 'circuits' having the same soul. What impacts one personality does not impact the other personality.


SOUL PARTNERS
SOULMATES
FEMALE PERSONALITY
MALE PERSONALITY

ONE SOUL – TWO PERSONALITIES
Our soul is a duplex!


SOUL PARTNERS
Spirit Body
Physical Body

Soul light passed to either personality is returned completely **if** the personality is in a perfect state. Imbalances occur in the spirit body and consequently the physical until Feeling Healing is complete.

TALK IT OUT

We are to express our feelings, both good and bad, and nothing is sacrosanct or to be withheld.

All that's wrong and untrue within us has to be expressed out of us, each of us, it all has to come to light for us to see the truth of. We have to know the truth of ourselves and the truth of our family relationships.

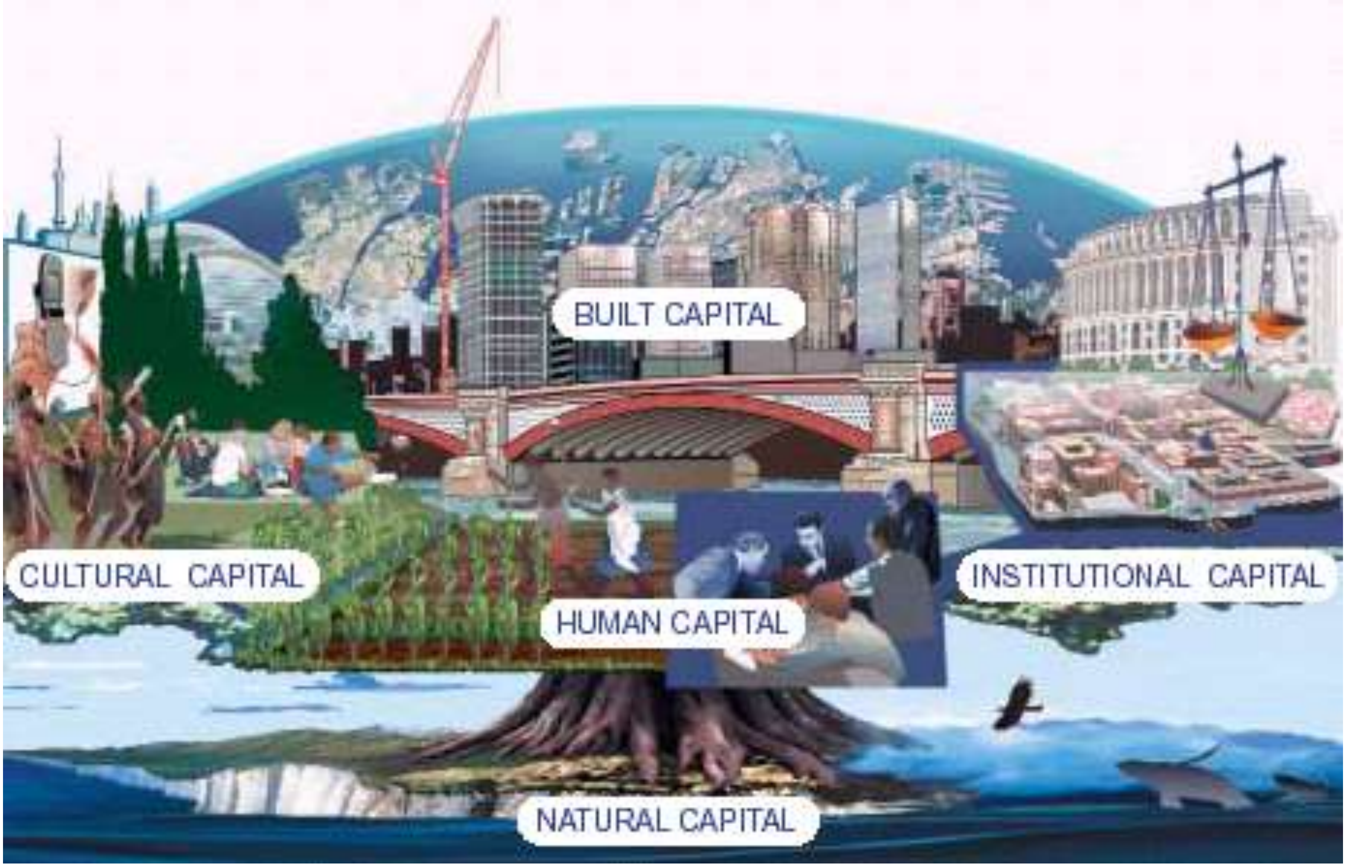
Everything needs to be expressed, to come out into the open.

What enters emotionally has to be expressed emotionally – it has to come out emotionally – leave us emotionally!

However, we are not to act upon what we are feeling emotionally! We are not to act it out! But, we are to go on and long to know the truth of what is behind our feelings, why we are having these feelings and experiences.

Long to the Mother and Father for Their Divine Love, and ask Them to help you see the truth through your feelings – that which They want you to know. Long and ask; long and pray. Pray to see, know and BE the truth, the truth of you – of all of it!

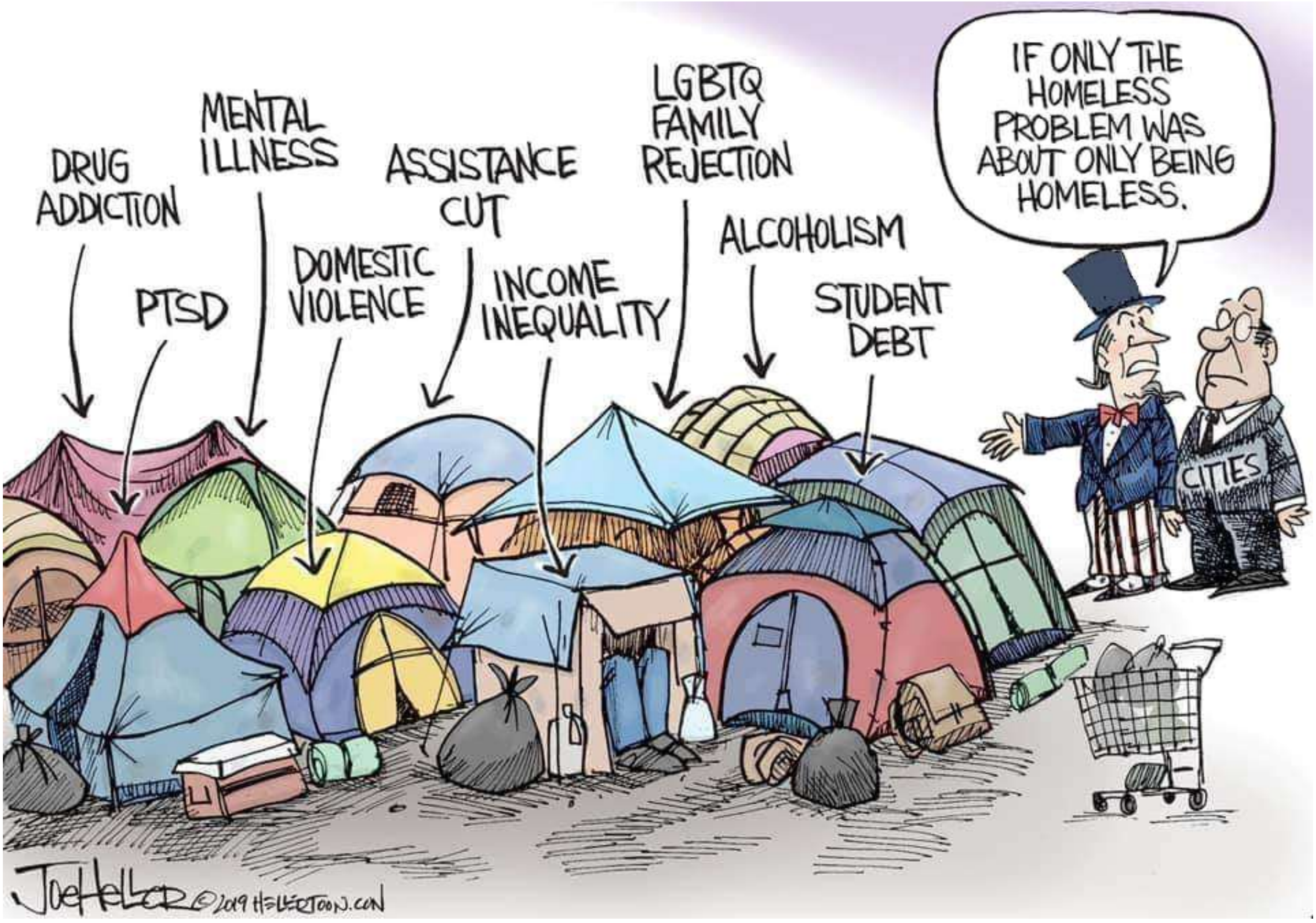
Education is the foundation for Nation Building:


BUILT CAPITAL
CULTURAL CAPITAL
INSTITUTIONAL CAPITAL
HUMAN CAPITAL
NATURAL CAPITAL

Live true to our feelings;
and long for the truth of them.

Social Housing

Homelessness Effective Solutions


DRUG ADDICTION
PTSD
MENTAL ILLNESS
DOMESTIC VIOLENCE
ASSISTANCE CUT
INCOME INEQUALITY
LGBTQ FAMILY REJECTION
ALCOHOLISM
STUDENT DEBT
IF ONLY THE HOMELESS PROBLEM WAS ABOUT ONLY BEING HOMELESS.
CITIES
JoeHeller ©2019 HellerToon.com

Social housing across Queensland, there are:

more than 21,000 one-bedroom properties,
about 18,000 two-bedroom homes,
more than 25,000 three-bedroom homes,
6,000 four-bedroom homes and 1,000 larger homes.

Consider 1 resident per each one-bedroom unit	30 units	30 residents – single adult
Consider 3 residents per each two-bedroom unit	30 units	90 residents – single adult
Consider 4 residents per each three-bedroom unit	30 units	120 residents – single adult
Consider 6 residents per larger units	10 units	60 residents
Total	100 units	300 residents

Thus 100 adults
with 60 children aged 0 to 6 years
60 children aged 7 to 12 years
50 children aged 13 to 16 years
and 30 mature aged dependants.
300 residents

Queensland overall population is more than 5,500,000. Eighteen locations need to established, each with 100 units.

A base need is one such complex for every 300,000 population, thus seventeen Shelter Housing projections would commence to mitigate the pressing need for emergency shelter for domestic violence and homelessness throughout Queensland.

Australia's population is passing 27 million, that suggests 90 facilities (9,000 units) throughout Australia is now required and then a shortfall will still need addressing. At an average of 3 persons per unit, that equates to provision for 27,000 persons and the known shortfall is being estimated at 520,000. This agenda addresses only 5.2%.

Budget AU$700,000 per unit plus meeting and support facilities, a 100 unit complex budget may be AU$70,000,000. 90 facilities would amount to AU$6.3 billion and then add community Pascas Cafes as well as medium and smaller shelters for regional communities; then a budget of possibly AU$9 billion is to provide for establishment and ongoing operating costs until the facilities become financially self-funding. The focus of this endeavour is to primarily address the shortfall in housing availability for domestic violence victims and non-residents.

It is not about providing accommodation, it is about addressing the under lying cause bringing about the social housing crisis for each individual and supporting them until they are safely beyond revision.

Pascas Team Development

Case Management

SKILLS
GOAL
VISION
COMMUNICATION
TEAMWORK
?+=!
CREATIVITY
RESEARCH
COLLABORATION
LEADERSHIP

KOORALBYN HOTEL RESORT – to become "KOORALBYN PARADISE VILLAGE"

Kooralbyn Resort Hotel and Assets works summary:

Business segments that make up Kooralbyn Hotel Resort, encompassing some 339 hectares (840 acres) namely:

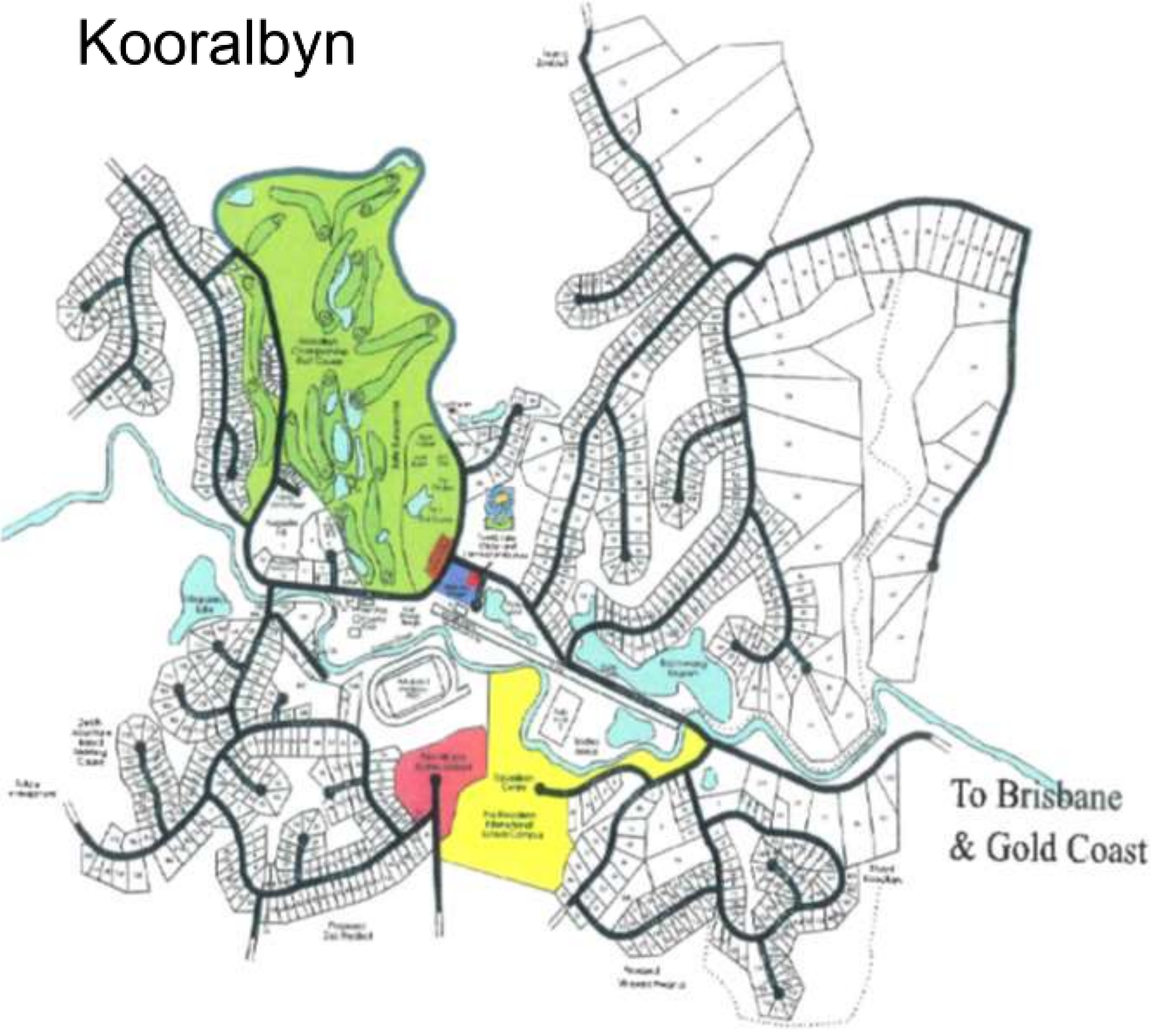
- **103 room Kooralbyn Hotel Resort (4 star potential – needs work done).**
- **Kooralbyn Golf Course, being a championship par 72, 18 hole course which includes a floodlit diving range.**
- **Par 3, 9 hole golf course.**
- **Lawn bowling green adjacent to 36 hole putt putt course and children's play area.**
- **Tennis courts being 9 synthetic and 1 clay with club house.**
- **Kooralbyn equestrian facilities including 2 polo fields, a quarter mile sprint horse track, 6 furlong race track, a rodeo arena and 40 stables.**
- **Kooralbyn Valley Lodge of 36 rooms (2.5 to 3 star potential)**
- **Kooralbyn International School on 20.66 hectares (51 acres), prep to year 12 school with boarding facilities for students in years 7 – 12, students number were 165 with potential to grow to 250 – now unoccupied.**
- **Training facilities on 15.53 hectares (38 acres), referred to as the 'ski field', are to be fitted out.**
- **1.4 kilometre (0.9 miles) air strip with terminal (sold to others).**

Residential Land Development:

A development application in relation to the residential land development is currently before Scenic Rim Council and could render approximately 700 individual parcels of residential land on approximately 218.86 hectares (540 acres), generally fronting the Kooralbyn golf course.

The proposed individual parcels range in size from smaller blocks, suitable for 2 or 3 bedroom villas, located immediately around the golf course, to larger blocks of more than 1,000m².

Kooralbyn Paradise Village



Consider cost of	Hotel Resort 103 room complex annexed to 36 room motel	+/-	AU$35,000,000
	Restoration of hotel, school and ski to quality condition		30,000,000
	Development of 200 residential lots	@$200,000	40,000,000
	Build 300 social housing homes	@$600,000	180,000,000
	Administration and recurring costs		15,000,000
		Budget	AU$300,000,000

Star of the Sea

“Star of the Sea” elements:

DBI Role Architecture, Interior Design, Landscape Design, Master Planning
Gold Coast + 61 7 5539 9788 Level 1, 9 Trickett St, Surfers Paradise 4217
Brisbane + 61 7 3839 4011 1/95 Boundary St, Brisbane 4000, Australia

Site Area 15,334m2 (60% of potential site area)

GFA (gross floor area) 266,000m2

Project Height

Tower 1 - 68 storeys

Tower 2 - 48 storeys

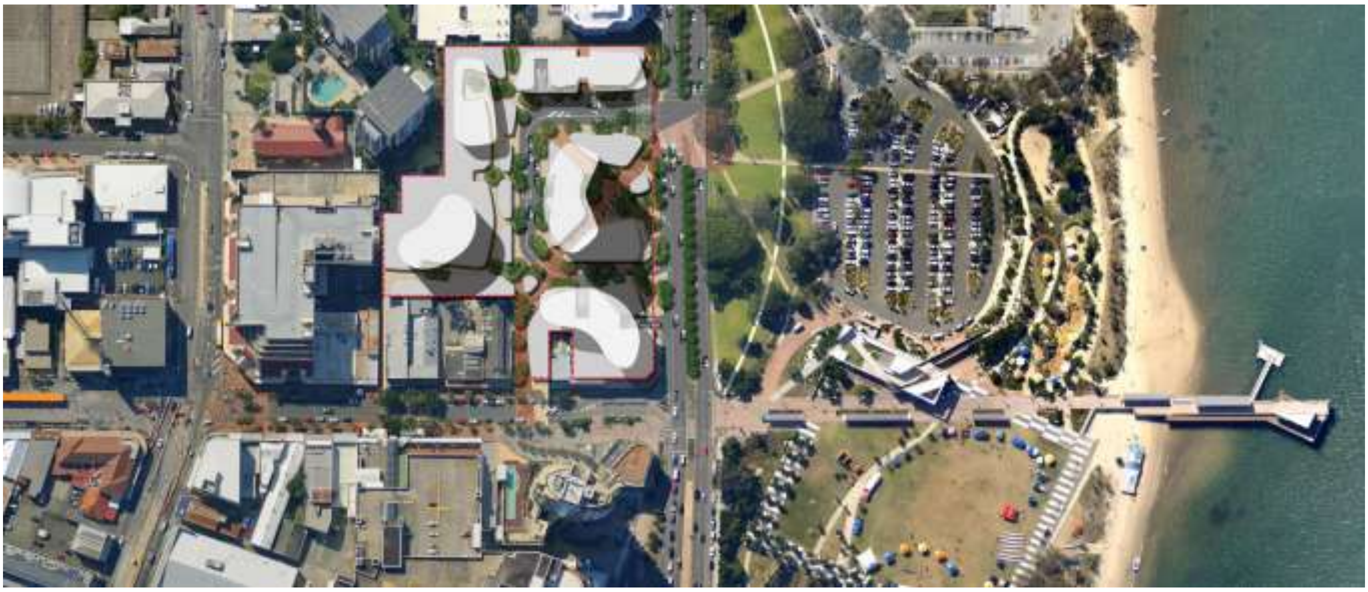
Star of the Sea

Tower 3 - 55 storeys

Tower 4 - 28 storeys

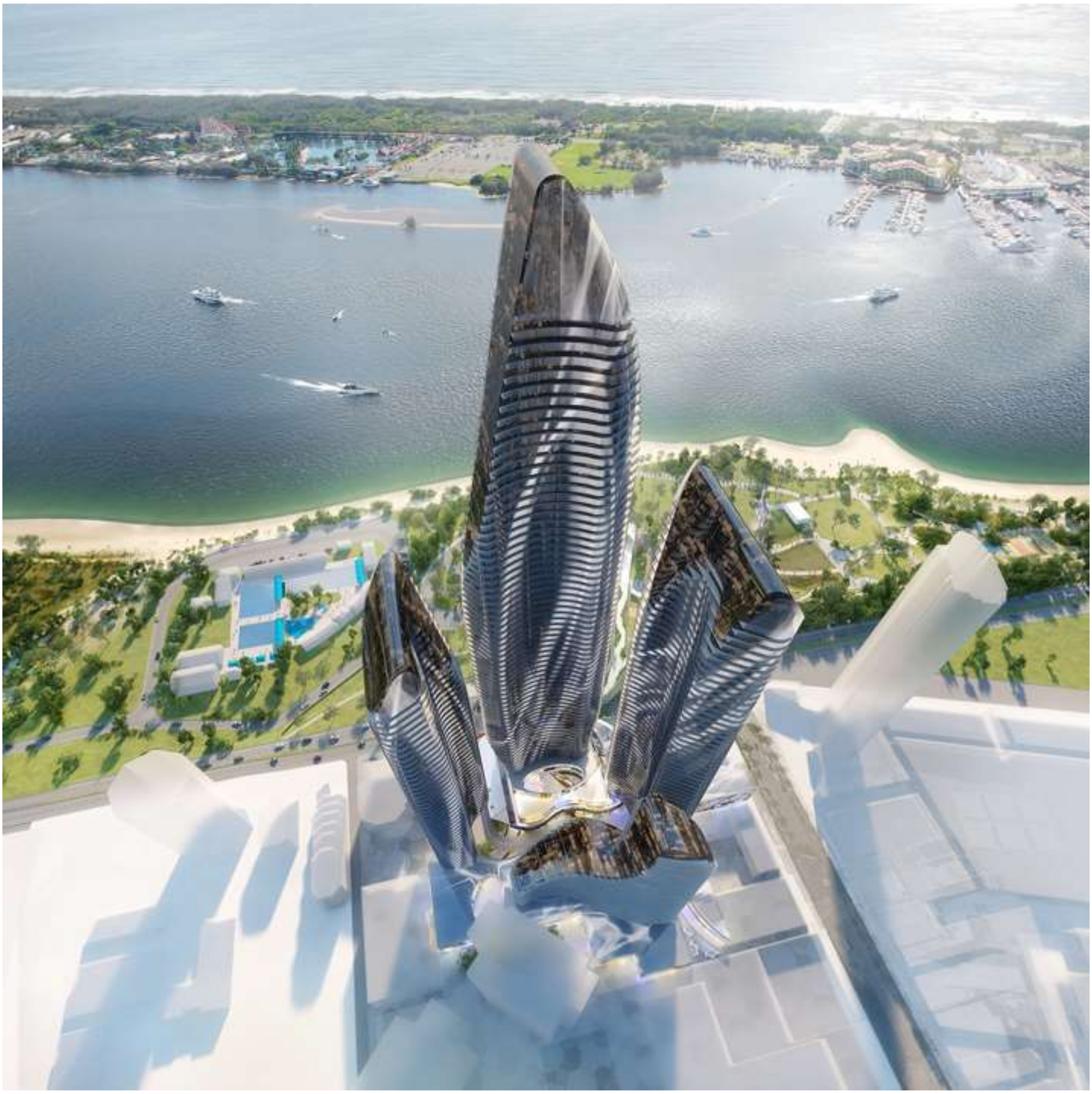
Tower 5 - 8 storeys

Potential Site Area 27,000m2 incorporating balance of Nerang St and TAFE.
Potential GFA 450,000m2+/-



Star of the Sea

https://www.dbi.com.au/project/star-of-the-sea



StarDome of SouthPort

incorporating

Star of the Sea

“StarDome of Southport” elements to be accommodated:

1. JMS ECO-SDG global headquarters people 400 but 800 @ 15m2 12,000 m2

2. PASCAS global headquarters people 200 but 400 @ 15m2 6,000 m2

3. Security – due to those frequently to visit, highest consideration of security throughout

4. Permanent office suites 195 countries – with territories and states, many more!

5. Permanent office suites +/- 40 states / regions
   e.g. states / regions of India, Indonesia, China, Russia, USA, ASEAN, etc.

6. Permanent office suites for global humanitarian agencies

7. Permanent office suites for global support corporations – aid distribution including emergency

8. Permanent office suites for worldwide agencies

9. Permanent office suites for scientific development agencies e.g. CSIRO

10. Temporary offices suites for those visiting for short periods

11. Natural Disaster Global Relief headquarters people 300 but 400 @ 15m2 6,000 m2

12. Hotel accommodation 150 suites @ 150m2 22,500 m2

13. Conference and meeting facilities

14. High end restaurants top of towers, cafes appropriately throughout

15. Conference Hall

16. Theatre for 1,000 +/- guests

17. Feature main entrance fronting Marine Parade

18. Peoples welcome being the entire Nerang Street frontage

19. Scarborough Street frontage for those engaged full time throughout the complex.

20. "**JOURNEY for HUMANITY**" museum (see further on) 16,000 m2

21. **TAFE** (Southport) relocation – vocational education and training provider
    TAFE Southport campus offers vibrant spaces and advanced learning technologies. Home to a range of courses predominantly in health and nursing and English language, study areas include aged care, allied health, community services, ELICOS - English language, general education & training – AMEP & SEE, IELTS – English language testing, health, nursing and short courses.
    Facilities and services
    - Computer rooms
    - Customer service centre
    - IELTS test centre
    - Independent learning centre
    - International student centre
    - Invigilation services
    - Library
    - Student refreshment facilities
    - Student support centre

    Clinical labs
    With cutting-edge facilities at our Southport campus, our Health and Nursing students get to study and learn hands-on in our specialised clinical labs.
    This state-of-the-art facility is a 64-bed replicated hospital environment including two 4-bed simulation training rooms. Students also have access to learning via augmented reality with hologram patients to see inside the human body.
    The facilities cater for students studying nursing, community health, aged care, disability, allied health, pathology and more. Health students couldn't be more prepared for the workplace after training at TAFE Queensland's Southport campus.

22. Craft Creation complementing TAFE

23. Pascas Child Care Centre

24. Pascas Family Care Centre

25. Multicultural Families Organisation (MFO)

26. Social Housing 100 units 30% 1 bed, 30% 2 bed, 30% 3 bed, 10% 4 bed

27. Domestic violence (DV) victims need privacy as well as security (no canary in a cage balconies)

28. Home units / apartments with office nook

29. Liveable balconies with privacy – use of louvres ends of balcony (7 louvres, 1 to 4 banks)

30. Gold Coast City Council people 3,200 @ 15m2 48,000 m2

31. State Government Department
32. Federal Government Department
33. Shortwave Broadcasting Station, local community radio station, television studio, sound rooms, recording studios, etc.
34. Regional offices for associations relating to appropriate professions for global humanitarian programs and support facilities.
35. Entry and exit via Marine Pde, Nerang St and Scarborough St connecting all buildings with their zone parking allocations.

StarDome is an institution that requires a build to last more than **200 years** and to feature **MARBLE**.

Budget:	**Star Dome**	**AU$1,500,000,000**
	"Journey for Humanity" Museum	**1,000,000,000**
	Total	**$2,500,000,000**

Journey for Humanity

The Museum to present "Journey for Humanity" is to be considered a three day edutainment venue. Though it would be difficult to review all that is contained herein, and there is much more to be considered, even a one day visit is intended to introduce awareness of that which may be considered essential to provide a visitor with a sound introduction as to what their journey through life may be about and possibilities for choice at a later time.

No one is expected or are they required to do anything. Our free will is not to be imposed upon. This venue is to bring about awareness and open possibilities that are of benefit to and for all.

This is truly the greatest event in the history of humanity and we each are living in a time of great change should we seek to engage in with what is unfolding.

Now we are to work with production designers, set designers and art directors as we will be supplying the creative / concept and hire of the teams to put together the project, including lighting, sound, projection, audio visual, print material, etc. That way we may maximise the accuracy of the content and outcome that is to be sought and incorporated throughout the design and installation into the building(s). Then this master presentation is to be abridged to create compact versions that are to be assembled for remote areas, schools, villages, and as appropriate. This is all then to be re-produced for other nations having differing languages and ethnicities to be taken into consideration.

Note: At 5,500m^2, ceiling height clearance 5m, the HOTA Gallery of the Gold Coast is one of the largest regional galleries in Australia, and houses the City of Gold Coast's extensive collection of art and cultural artefacts plus local and international temporary and touring exhibitions. "Journey for Humanity" museum anticipated floor area requirement is in excess of 12,000m^2 **– possibly 16,000 m2.**

LEVEL 4
LEVEL 3
COLLECTIONS GALLERY
LEVEL 2
COLLECTIONS GALLERY
LEVEL 1
GROUND FLOOR
LOWER GROUND FLOOR

and then the 'ANGEL CAFÉ'

DIGITAL CURRENCY MONETARY AUTHORITY
UNICOIN
Ü
UNICOIN
UNIVERSAL MONETARY UNIT

Journey for Humanity

A **Journey for Humanity segment** being a 45 minute edutainment unit:

1. **Earth and our Solar System being within a Local Universe**
2. **Journey for Earth's Humanity**
3. **Andon and Fonta – the first to have a longing for Human Perfection**
4. **First peoples to reach Tasmania – south eastern Australia**
5. **Noah and the Ark**
6. **Eve and Adam**
7. **The Lucifer Rebellion**
8. **Earth Planes and the Boundaries of Hell**
9. **Control**
10. **Lemuria, Atlantis**
11. **Pole Reversal and Supernova events**
12. **Climate Changes and CO^2 – what are they?**
13. **Some Numbers**
14. **Skin Tones**
15. **Indigenous Societies**
16. **Psychology**
17. **Parenting**
18. **Feelings First and Education**
19. **Truth is Love – without Truth we have no Love!**
20. **We are more alive than ever – when we are dead!**
21. **Borders and Boundaries are to Go!**
22. **Map of Consciousness and Kinesiology**
23. **We Learn by Doing**
24. **Mind Centricity**
25. **Golden Feeling Path – Feeling Healing**
26. **Illness need not occur!**
27. **The Law of Compensation and The Law of Cooperation**
28. **Journey to Paradise**
29. **Finaliters**
30. **70,000 super universes now forming**
31. **The New Way – Divine Love Spirituality**
32. **The coming age of 1,000 years – Avonal Age and then the 'ANGEL CAFÉ'**

PASCAS PIMPAMA VILLAGE

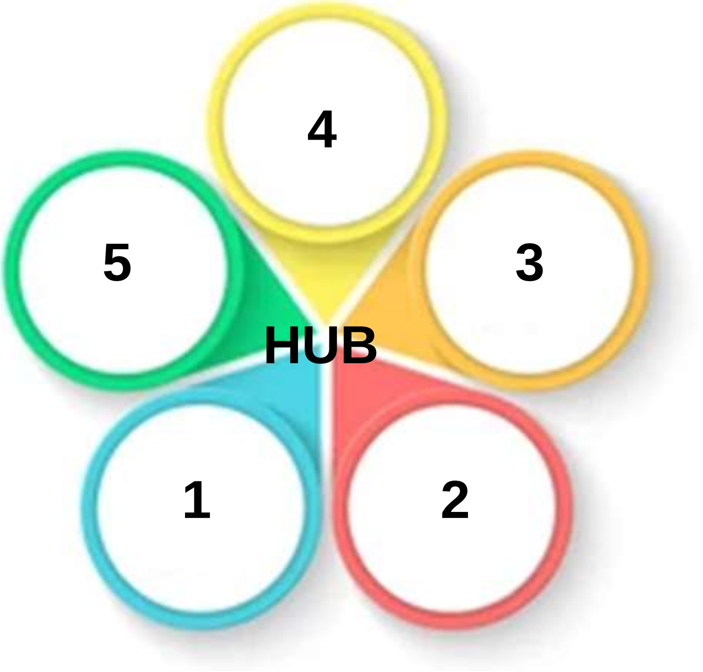
Significant elements graphics:

1.	PASCAS UNIVERSITY	5,000 student campus
2.	PASCAS SANCTUARY HOSPITAL	300 beds, 12 operating theatres
3.	MOVIE CITY	6 studios, 4 production houses, 3D facility
4.	PASCAS MUSEUM – JOURNEY for HUMANITY	3 day visitation
5.	SANCTUARY PARADISE VILLAGE	accommodation and permaculture
6.	PASCAS VILLAGE HUB	shopping, administration and social housing
7.	PASCAS LIBRARY and COMMUNITY FACILITIES	university to public facility
8.	PASCAS THEATRE – AUDITORIUM (900 seating capacity)	
9.	CHALDI TAFE COLLEGE	technical and further education + craft creations
10.	CHALDI COLLEGE	primary, middle and high school
11.	CHALDI CHILD CARE CENTRE	pre-school
12.	PASCAS PARADISE GARDENS	various nationalities represented
13.	SPORTING FIELDS	for university, school, residents and community
14.	PASCAS VILLAGE AQUATICS	Olympics and world championships
15.	PASCAS CENTRE for ADVANCED TECHNOLOGIES	20 hectare industrial research
16.	SUPER MEDICAL CLINIC	diagnostics and annexed to hospital
17.	PASCAS TELEVISION and INTERNET	global communications
18.	PASCAS RESIDENCES	for medi-hotel, movie production, students and sanctuary
19.	CAR PARKS undercover provisioning all elements – pedestrians and bicycles considered	
20.	SITE WORKS to set the stage and foundations for all of the above.	

All of these elements have major subsets, all of these elements inter-link. They need to be harmonised and the environment moulded and presented to be in harmony and at peace with the overarching objective – global awareness that this is where humanity is ending the 200,000 year long Rebellion and Default and how to live Feelings First, should you so please. Our free will is sacrosanct and is to be honoured and respected at all times. And then is the GRAND OPENING!

PASCAS VILLAGE – FIVE SEGMENTS with a HUB: Preferred Option being A

1. PASCAS UNIVERSITY



Initial campus for 5,000 students, with a comprehensive subject range, that demonstrates and leads to global implementation of Feelings First education at all levels and in all subjects, having been re-aligned to engage with Feelings First way of living.

2. PASCAS SANCTUARY HOSPITAL

300+ bed private hospital with specialist medical suites to provide full range of high end medical and surgical services. Super Pascas Care Medical Clinic – lead and training centre.

Such a hospital facility would provide tele-medicine support facilities throughout the country and neighbouring environment.

3. MOVIE CITY

Five major film studios with additional studios for 3-dimensional and graphic productions. Focus includes Feelings First theme and educational films.

4. PASCAS MUSEUM – JOURNEY for HUMANITY

Pascas Park takes us back one million years – brings us to today – then takes us on throughout our spirit journey to Paradise and introduces us to our future purpose. A three day visitor edutainment experience.

5. SANCTUARY PARADISE VILLAGE

Outside of structured platforms, individuals and families will be able to immerse themselves in all of what Pascas has to offer without constraints or obligations.

PASCAS VILLAGE CENTRE HUB

Community shops such as local delicatessen, groceries, range of restaurants and whatever is deemed appropriate. Theatre with seating for 900+ guests. Library for the community with meeting rooms to service needs of the four elements as well as local regional residents.

Pascas Child Care, Pascas School and Chaldi TAFE for the community and neighbouring residents. Short, medium and extended term accommodation. Student accommodation, medi-hotel sector, film makers accommodation and short term Sanctuary Paradise lodgings.

Budget AU$2,000,000,000

PRODUCT SUMMARY:

Pascas Foundation's services are:

- Publication of revelations and guidance provided from high level spirits with authority.
- Publication of such revelations and guidance in all the significant languages around the world.
- Publication as audio books, in Braille and in film – audio-visual.
- Internet accessibility worldwide and in multiple languages with search and find capabilities.
- Secure internet communications for blogging, webinars and communications of a private nature.
- Introductory presentations to audiences in locations around the world.
- Education curriculum – from very young children through to adults of all ages.
- Paradise Village – the New Feelings Way – a community for up to 1,000.
- This is not a religion; it is an introduction to the new way of living. There is no organisation to join, there are no 'scriptures', rituals, practices, creeds, cannon laws, or hierarchy of authority. This is a sharing of revelations and guidance. Some may seek to form into groups to assist each other, but there will not be any rules and gurus – everyone is free to follow their feelings and embrace or reject as and when they so please.

The benefits for the customer in utilising the Company's product and services are:

PRODUCT FEATURES		
FEATURE	BENEFIT	PRODUCT RESULTS
James Moncrief writings	The new way of living – Feeling Healing and Living Feelings First as being revealed for all of Earth's humanity.	Once we understand and embrace living through our feelings, we find that we are self-sufficient and on the pathway all the way through to Paradise.
James Padgett Messages	Re-introduces the availability of our Heavenly Mother and Father's Divine Love.	With Feeling Healing, Divine Love fits our soul for our progression into the Celestial Heavens upon completion of our healing.
The Urantia Book	This is the history of humanity and a roadmap through the universes and to Paradise.	Written by local high level spirits, this is an adjunct to James Moncrief's writings.
Auxiliary writings	These add to the diversity of understandings and collation of subject material.	Enables comprehension of how we have been misled in so many ways and how we can come to find the truth on many topics.
Chaldi College Pascas University	Educational material for all age groups.	Assists in the introduction to the new way of living.
Paradise Village	Enables like-minded people to live in a community while embracing Feeling Healing.	This may be the primary way for some to immerse themselves into Feeling Healing.
Pascas Foundation	It is the introductory vehicle to bring to the world the greatest event in the history of humanity.	The Great U-Turn for humanity will take it away from potential self-destruction and on to Paradise.

CORE PRODUCTS STATUS:

Some 75,000 pages have been compiled. Most have had at least one preliminary proof reading. More than 80 movie scripts have been written. Introductory educational guidance has been assembled for schooling situations.

A small group have become proficient with the revelations and guidance and appreciate the profound nature of what is unfolding.

It is now time to go public.

PROOF-READERS and TRANSLATORS:

There is an enormous volume of material, within the administration of Pascas Foundation, which is to be prepared for publication in numerous formats. Preparation is firstly in the English language and that will be produced in book form, from heirloom publications to paperback presentations, audio books, Braille, and in film, from blockbuster movies to short documentaries.

Then translations will commence as each English publication is defined as print ready. The major languages will generally be addressed first and then minor languages to follow. All are important and it may be a prioritisation embracing the aspirations of the people involved in this process.

There are some 75,000 pages (about 22 million words) presently assembled. There will be further material progressively unfolding as public presentations are made.

For those engaged with the proof reading and subsequent translations and then proof reading in foreign languages, it is to be approached in a manner that enables each such person to comprehend and embrace a clear understanding of what is being conveyed. Empathy for the content is paramount by proof-readers.

For those who become confident and comprehensibly understand the revelations and guidance, should they feel like presenting the material in person to people in the languages in which they are proficient, then they will be assisted in doing so. This may be presenting to local cultural groups and/or visiting locations and countries of the language in which they communicate.

This will also apply to the production of audio files and movies. Thus, there is the opportunity for a diversity of experiences for those who commence the task of preparing the writings for publication in the numerous formats and languages.

INFORMATION TECHNOLOGY:

It is a complex exercise to develop software that will manage high volumes of traffic, large volumes of material, both in print form as well as audio and audio-visual, in numerous languages as well as enabling visitors to seamlessly search and find specific subjects on our websites.

The websites will also need redundancy as well as high levels of security to mitigate cyber attack or mischief.

Furthermore, software required for multiple languages for daily communications will be needed for the daily operations of Pascas Foundation.

Secure blogging, webinars and communications over the internet of a private and confidential nature are to be part of the facilities of Pascas Foundation support and service.

This agenda is of massive importance and it is embracing all the people of Earth – this is potentially the largest communications endeavour ever envisaged in the history of humanity.

EXISTING POTENTIAL CUSTOMERS:

Today, there are more than 230,000 public libraries in developing and transitioning countries.

Within Australia, there were 532 local government libraries and 8 national and state libraries operating at the end of June 2004. The local government libraries operated from 1,716 locations, while the national and state libraries had a total of 17 locations.

There are over 25,000 universities in the world, each with their own, individual character that can entice students to their campus. Now it's worth noting that Australia is ranked 3rd in education, these universities can pleasantly surprise many students coming to study in Australia. One of the benefits of studying in Australia is the large number of scholarships paid by universities for their students. Also, universities in Australia have all the benefits similar to universities in many other countries. It is worth starting with cheap education, but the price does not depend on quality since there are more than 13 Nobel laureates graduates from universities in Australia. Also important is the fact that life in the country does not require a significant cost of living, since there are many social services discounts for students, especially for students from abroad. Now is the time for these universities to be introduced to and explore the New Feelings Way!

Within Australia, there are 43 universities (40 Australian universities, two international universities, and one private specialty university). Along with these universities, many other institutions offer higher education courses. To this list will be added “Pascas University”.

Also within Australia, the TAFE (technical and further education) sector is the largest education and training sector in Australia. There are 59 institutions dispersed across metropolitan and regional areas, all of which are government-funded Registered Training Organisations (RTOs).

There are 10,584 registered schools operating in Australia (2019) of which 7,092 were government schools. (About 1 school per 2,500 people.) As of 2019, government schools educated 65.4% of all students. In 2017, there were just under 282,000 teachers in Australian primary and secondary schools (about 28 teachers per school).

How many schools are there worldwide? We can do an intelligent guess. USA has about 330 million people and 132,000 schools which is roughly one school for 2,500 people. We can then sample a few more countries in each continent. Take India, China, South Africa – the average for all these including USA is roughly 1 school per 2,500 people.

We then divide the world population of roughly 7.5 billion with the average (1 school per 2,500 people) and we get approximately 3 million schools worldwide.

That being said; **WORLD POPULATION passes 8 Billion!**

MARKET OPPORTUNITY:

IT'S ALL
ABOUT
EXPERIENCES
&
FEELINGS

This is not a market opportunity. It is not possible to define who and what any individual will embrace. And there is absolutely no need to even speculate.

We are each wonderful and unique individuals, experiencing life in whatever manner is to unfold for us. It is incomprehensible to understand what our physical journey, however brief or long is to provide for us.

Truly, the measures that we or society put on us as our level of success are inconsequential. Our schooling, our career, our trappings of assets is all meaningless mind imprisonment exercises.

It is all about our experiences and feelings. We are fully self-contained. Amazingly, when we long for the truth, our soul-based feelings will reveal to us gently but progressively what our soul wants us to come to comprehend and understand. We are the complete package!

WE ARE
THE
TRUTH
SEEKERS

Firstly, we are truth seekers. From conception we begin to absorb all that is around us. We commence life by absorbing all the emotions and feelings, understandings and beliefs of our parents and carers – both good, and bad. As babies, toddlers and infants, we continue to embrace our parents and carers as if they were gods. We capitulate to their impositions upon us of what they believe is best. We surrender to their will, distortng the wonderful personality that our Heavenly Parents bestowed upon us through our soul. Our true personality is now suppressed. We end up living a persona that our parents believe is best for us.

Our adoption of this false façade is our ongoing repression. There is not a person on the planet that is not demonstrating depression at some level. Living the New Feelings Way will end this calamity.

And here is the trigger. It is when our soul says to us that this experience of living through our minds in the manner that we were taught is to be ended. Many experience a psychotic episode. Mental breakdowns unfold at the realisation that all that we have been living is a gross injustice to ourselves.

Kiss my
Tail

This realisation will come to all of us. We could be hundreds of years living within the mind spirit Mansion Worlds or we could be in kindergarten. It is when our soul quietly announces that we are at the end of the rabbit hole and it is time to do a Great U-Turn and engage in our Feeling Healing – or something of a similar nature.

Nothing is wasted. Our experience of going to a dead-end with our minds in control down a rabbit hole is what we had to experience. We will discover the purpose of that on our journey throughout eternity. There is no point doing mind bending exercises over that, or anything else. It will be revealed in some manner when it is best for us.

RABBIT'S HOWSE

We are all stuck in this rabbit hole and now we can become aware of why we are there and how we can pull ourselves out of it – eventually.

It is this awareness and how to make the Great U-Turn that Pascas is to make available for everyone at any of our stages of life.

It has been 200,000 years in the making – the great seduction to mind dominance – and now, since 31 January 2018, we are being given the road map out of the rabbit hole.

It is a wonderful road map. It is the true spiritual way out of the rabbit hole, up through the Mansion Worlds and into the Celestial Heavens. It goes on. It is the road map up through all the Celestial Heavens of our Local Universe, then through the remainder of our Super Universe and then into and through Havona and ultimately to Paradise, the home of our Heavenly Mother and Father.

Some trip – huh!

SO HOW DO I GET TO THIS PLACE OF
Self-acceptance?

Well, the Feeling Healing part is for us to fully recognise just how much we have been screwed over by being seduced, in the same manner as our parents, to live through our minds. Our minds are addicted to untruth, cannot discern truth from falsehood – but we are truth seekers! Also our minds are addicted to control of others and that includes our environment. It is this control addiction that our parents asserted over us, as we do to our own children. When we fully understand this, through our Feeling Healing and longing to know the truth of what lies behind the feelings that come to us, both good and bad – we reach a point of self-acceptance of just how screwed over we have become.

It matters not when we start this part of our journey. But it sure does help our own children should we commence our healing. A little progress that we make rubs off on our children – and their children.

We will come to see that our mind's control addiction is reflected in every aspect of our living, all through society. We will come to see that nothing which ails society can be resolved or improved upon until we begin to live through our feelings and have our minds follow – IN GREAT NUMBERS – well, a few to start with will do fine.

Suppression & Repression = Universal Depression

It goes something like this:

We are conceived with the collaboration of parents who are typically unaware of our presence and consequently they are unaware of our intrusion into their life. We feel everything that they hold suppressed within themselves. Sixteen or so days later, when our embryo has advanced sufficiently to pump blood, we are incarnated. At that moment we are an individualised soul. We have commenced our physical experience, the one and only physical experience that we are to have and can have.

Our physical parents and carers impose upon our personality a way of living life that they believe is best for us. This is a reflection of how they were brought up by their parents.

Our pre-schooling and education is an extension of our parents’ controlling platforms – our teachers have been mind inducted and have had that advanced by their own education and training to become teachers.

The religious organisations come into our life with how we are to obey their rules – adhere to their ways and embrace their set of truths. They have great things to share with us, but again they are de-facto parents and are taking us further into our minds and their control.

We become employed – our employers impose their controlling platforms over us.

We have local government, state and regional government, federal government and global governance.

By now we are zombies with no self-expression and function in a limited kind of stupor!

This was all imposed upon us by wayward high level spirits some 200,000 years ago!

That is now to end. How we are to end our entrapment living in a stupor as zombies, trying to be the same as everyone else in some form or manner, is what is being shared now for all of humanity. And all of humanity means those living in the physical here on Earth as well as those living throughout the seven spirit Mansion Worlds as well as the two Earth planes that are commonly known as The Hells.

This is massive!

ASSUMPTIONS and the MIND

Whenever a principle or platform of truth is formed around an assumption, then as further truth is revealed, the error will become obvious.

A great deal of custom and passed down practices have evolved through handwritten records which have been copied and re-copied and have then been injected with assumptions that have become the core belief and customs by which people have lived by for many generations.

These platforms need to be revisited and addressed. We will find that these mind derived assumptions have a 98% error rate. We will further find that the mind's propensity to have control of others has distorted matters and that all systems worldwide are in need of rebuilding.

Education, health, science, commerce, legal, governmental and all platforms have evolved through the mind and are all taking us further away from our feelings, our soul-based feelings of truth and are suppressing our true personalities. There is not a man-made system on Earth that is presently founded on truth, the truth that we all long for.

Meanwhile, hidden controllers have seized the moment and have achieved global domination, hording massive wealth to the detriment of humanity. Only will it be through a change in the way of living will this and other power bases crumble. We may disturb hidden controllers but if we do not change our way of living they will reassemble their controlling power!

It will only be through the New Feelings Way emerging as a way of living, that education, health services, science, commerce, legal, governmental and all other platforms will be appropriately restructured.

The revelations of Living Feelings First, Feeling Healing and the New Feelings Way have been provided to all of humanity, from the highest authority, to enable each and every one of us to consider the options and possibilities. Our freewill continues to remain sacrosanct.

This revealing has been in the planning and preparation for thousands of years. It was two thousand years ago when the foundations for the arrival of these possibilities and revelations took place when on 31 May 1914 the first writings commenced through James Padgett in what is known as the Padgett Messages. The primary auxiliary writing is The Urantia Book (1925-1935).

The major and most important writings are those of James Moncrief commencing in 2002. This is the focus of the publications that are to be made available in numerous formats and in all of the important languages so that every community, worldwide, will have access and potentially become aware of the teachings and revelations.

The New Feelings Way is working with your feelings to uncover the hidden truth of yourself. It's to find the Truth of Yourself Through Your Feelings. So the two have to be worked in conjunction with each other: Expressing ALL, and most importantly, ALL YOUR BAD FEELINGS, which we are more than likely denying, all so we bring the truth of why we are feeling them to light. This is getting to know ourself – the truth of how we are. It's living true to our feelings. Accepting, expressing and longing (wanting) to find the truth of them within ourself. It is a way of living that embraces and looks to express all our feelings and emotions so we can see what they are all about, what they are showing about ourselves; unlike how we live denying the truth of our feelings and basically not having a clue about ourselves and why we're feeling what we are.

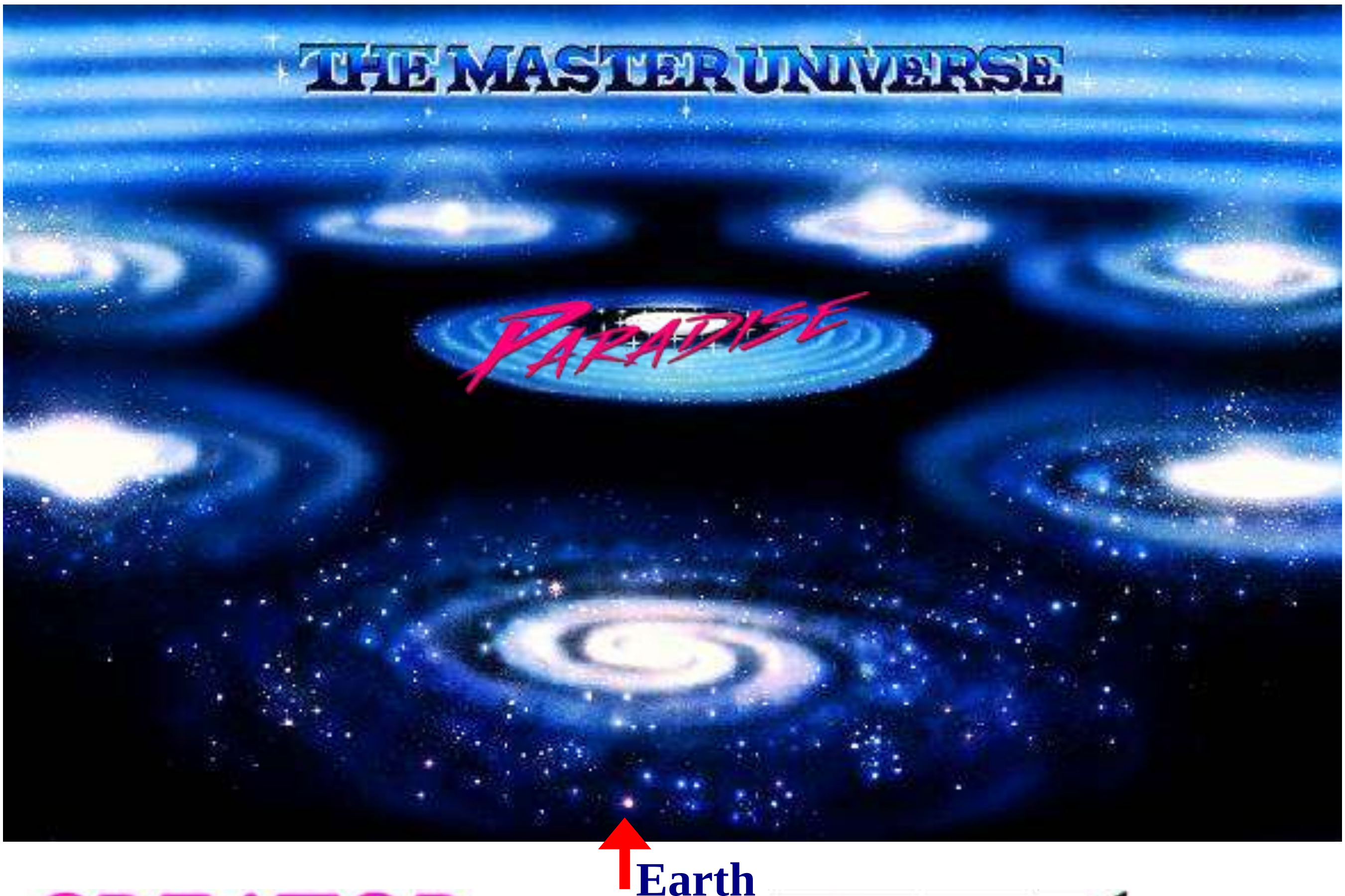
The difference as to living as we currently do – the Old Way – which is mostly feeling-denial and believing we are expressing our feelings, is still not longing for and wanting to uncover the truth of those feelings. We live denying ourselves the truth of ourselves, because we don't want our feelings to lead into the truth and horror of how unloved we felt during our childhood, and how we still feel unloved.

The New Feelings Way, is doing the opposite of this. Stopping what we are doing, focusing on our bad feelings in particular, the ones we are most likely to deny; fully acknowledging them, bringing them up and out of us by expressing all they make us feel and all we feel having them, all as we long and want with all our heart to know the truth of why we are feeling them. Understanding that that truth is going to be very confronting, because it's going to show us the truth of all our relationships, with ourself, our parents, friends, children, loved ones, partner and God. And if there is any unlovingness in any of them, the truth is going to bring that all to light.

If we want to carry on in the Old Way, sure, being more feeling expressive will generally help our relationships, however that's not what the New Feelings Way is all about. The Old Way, which is the current way for most people, is denying the truth of ourselves by denying our feelings. The New Way, is working with and wanting our feelings to show us the truth of ourself.

Having someone to talk to who is willing to listen to us expressing all our feeling without trying to stop us, is just one part of how to express our feelings in order to help us uncover the truth of them. It does matter what we talk about, otherwise we continue in a truth denying state, the Old Way. In the New Feelings Way, it very much matters what we talk about, which is all our feelings and all how they are making us feel, all so we can find the truth of them. The New Feelings Way is ALL AND ONLY ABOUT UNCOVERING THE TRUTH IN OURSELF. And doing that through our feelings. It's all about the Truth; that is what we're setting out to do, so not to water that down. The Old way is all about not finding the truth and doing all we can to deny it. So do you see, it's not just about talking in general, it's all highly specific, and a specific and fully focused way of being, way of living, not just more of the old general stuff.

The feelings and self- expression side of The New Way is talking more generally about feelings, about how important they are, and how acknowledging and expressing them is helpful in life, adding to more fulfilling and meaningful relationships. But that's just part of our naturally expressing ourselves, with The New Way being specifically about showing up the Old Rebellious Truth-Denying Way. We're about wanting to offer people a way out of their yuk, a way out of their rebellion, a way out of their pain, a way out of their mind controlling beliefs and behaviour. And so how to do that is by using our feelings – which leads us into doing our Spiritual Healing.



Earth

CREATOR
daughter and son

Avonal Pair

SPIRITUAL LEADERSHIP

SPIRITS OF TRUTH

LOCAL UNIVERSE
NEBADON

HUMANITY
OF
PLANET EARTH

Both the Creator and Avonal pairs are bestowals from Paradise and have Spirits of Truth which are released following the death of their physical bodies. The Creator pair is the co-regent of our local universe of Nebadon. They have set the pathway for the Avonal pair to show the way for Earth's humanity to heal itself of the Rebellion and Default. The Avonal pair's focus is one humanity, of Earth, whereas the Creator pair is for all of Nebadon.

MARKETING CONCEPT:

This is an awareness agenda. It is educational and for those who desire to explore further, to provide whatever assistance they may seek in their endeavours to embrace what is now being revealed.

This is about a way of living, the New Feelings Way.

Every community within every country around the world is to be provided with access to the major writings that have been recorded since 1914 and in particular, those of James Moncrief commencing in 2002.

It is anticipated that it will take several years before a significant number of people will embrace these revelations. This may be due to the contrast as to how all of humanity is presently been brought into a mind 'worshipping' way of life. As people begin to become aware that all their woes, their social issues, health and difficult situations with relationships is of a direct result of their childhood upbringing and that the only way to heal those issues is through embracing Feeling Healing, then a groundswell of interest may emerge.

SOUL DEVELOPMENT LEVELS	
Level 6 – Highly Advanced	few
Level 5 – Advanced	1%
Level 4 – Upper Intermediate	9%
Level 3 – Intermediate	17%
Level 2 – Lower Intermediate 31%	73%
Level 1 – Beginner 42%	

MoC – Consciousness Calibrations Worldwide	
Level of Consciousness	Percentage of population
600 +	1 in millions
540 +	0.4%
500 +	4%
400 +	8%
200 +	22%
200 -	78%
212	World wide average

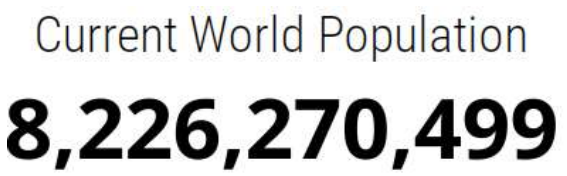
Correlation of Levels of Consciousness – Soul Condition – and Society Problems				
Level of Consciousness	**Rate of Unemployment**	**Rate of Poverty**	**Happiness Rate "Life is OK"**	**Rate of Criminality**
600 +	0%	0.0%	100%	0.0%
500 - 600	0%	0.0%	98%	0.5%
400 - 500	2%	0.5%	79%	2.0%
300 - 400	7%	1.0%	70%	5.0%
200 - 300	8%	1.5%	60%	9.0%
100 - 200	50%	22.0%	15%	50.0%
50 - 100	75%	40.0%	2%	91.0%
< 50	95%	65.0%	0%	98.0%

Dr David R Hawkins developed the Map of Consciousness and has published his findings in many books, such as Power vs Force and Truth vs Falsehood.

Note:
The Map of Consciousness (MoC) table is based on the common log of 10. It is not a numeric table.
A calibration increase of 1 point is in fact a 10 fold increase in energy.
A calibration increase of 10 points is in fact a 10,000,000,000 fold increase in energy.
Thus the energy differentials are in fact enormous!

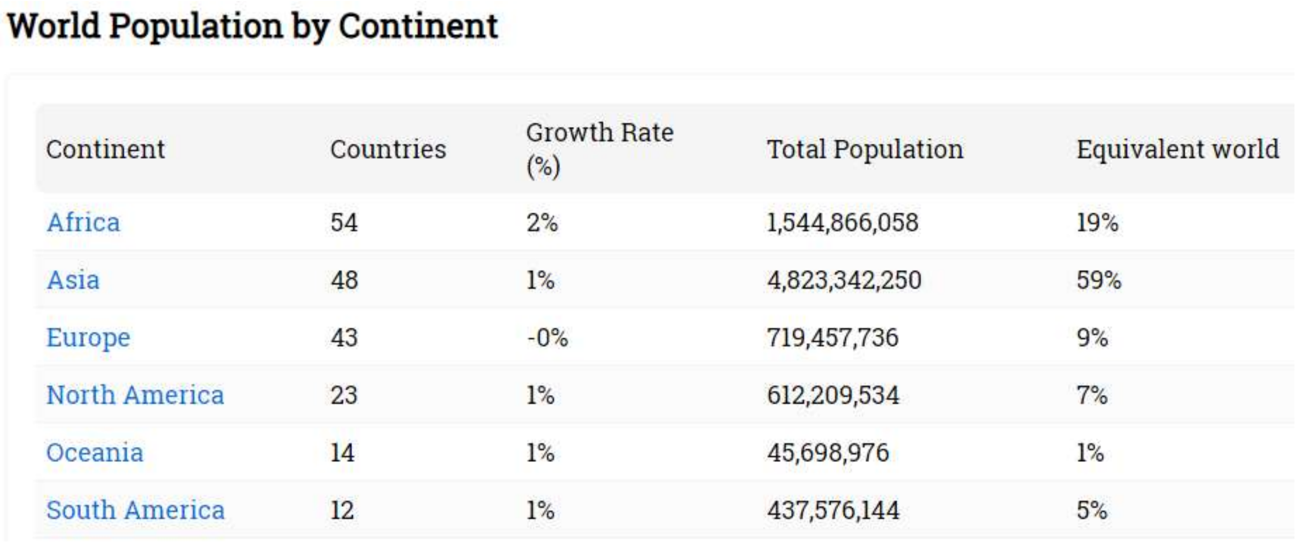
BUYER TRENDS

Sunday, 1 June 2025



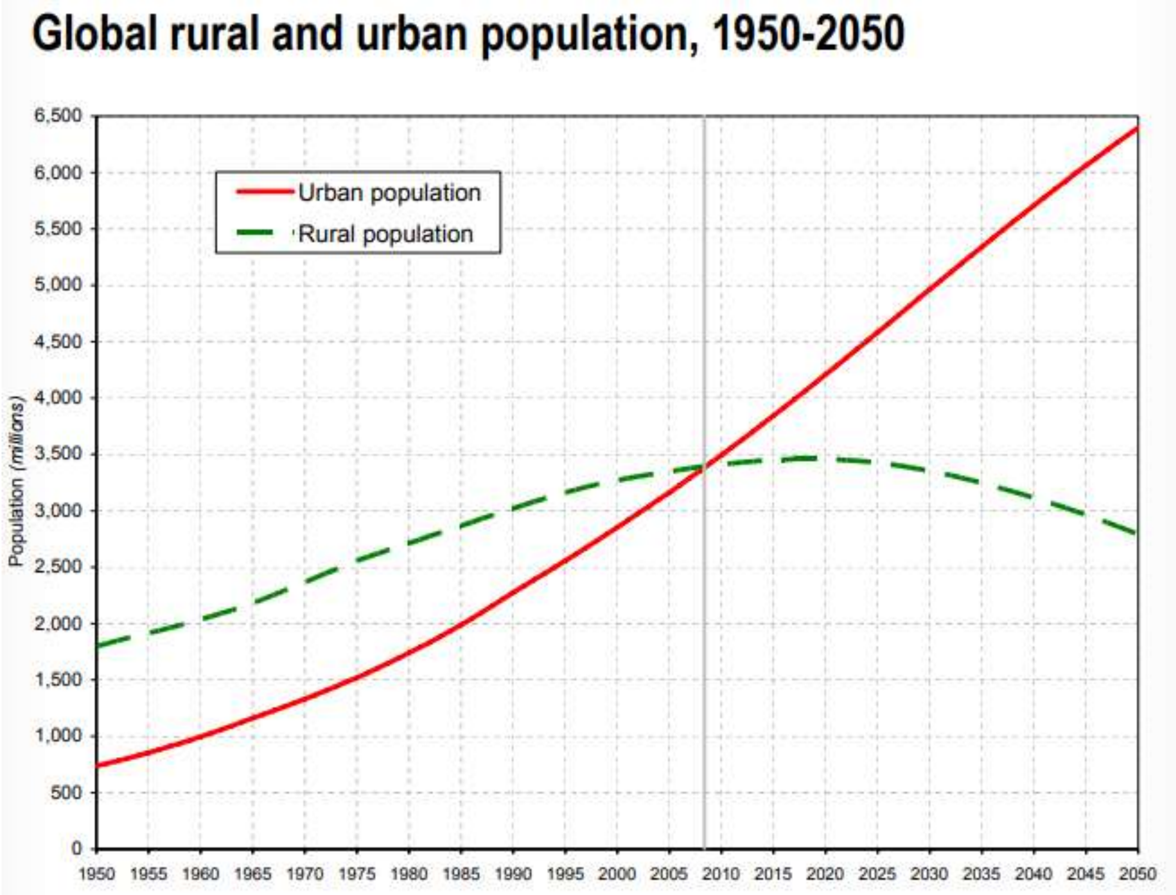
Current World Population

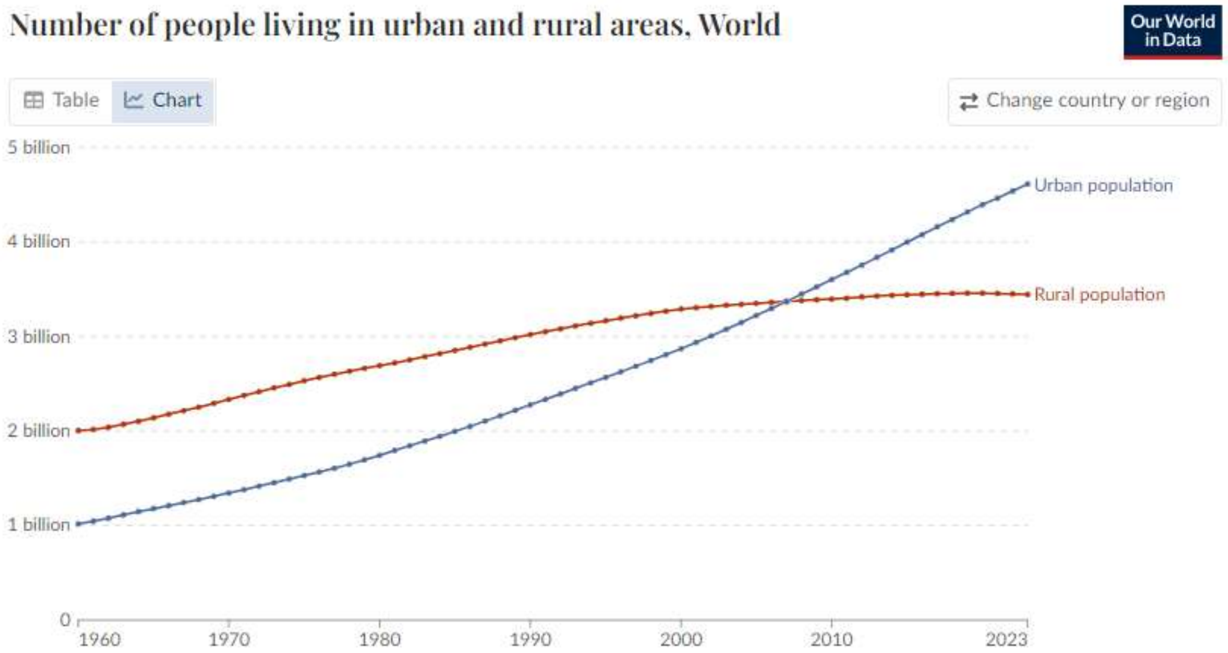
8,226,270,499



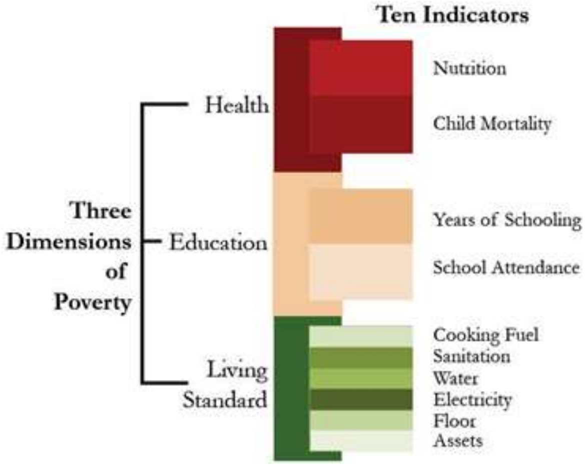
World Population by Continent

Continent	Countries	Growth Rate (%)	Total Population	Equivalent world
Africa	54	2%	1,544,866,058	19%
Asia	48	1%	4,823,342,250	59%
Europe	43	-0%	719,457,736	9%
North America	23	1%	612,209,534	7%
Oceania	14	1%	45,698,976	1%
South America	12	1%	437,576,144	5%

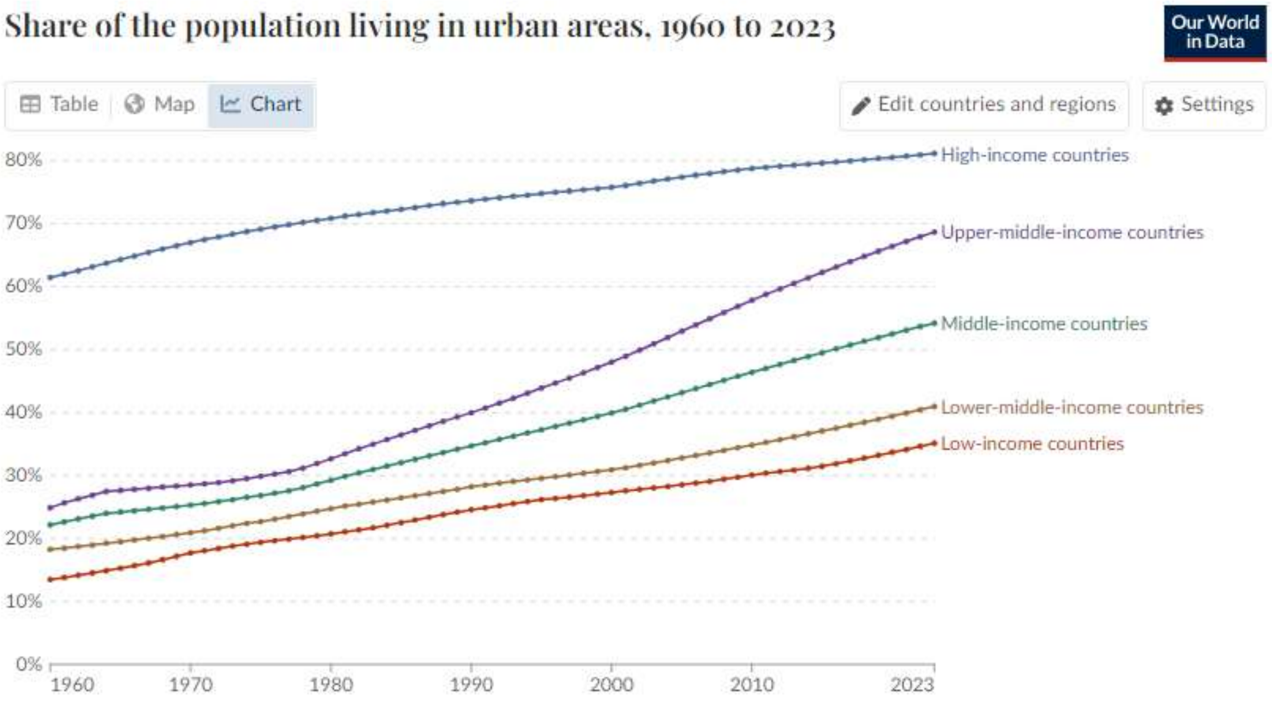




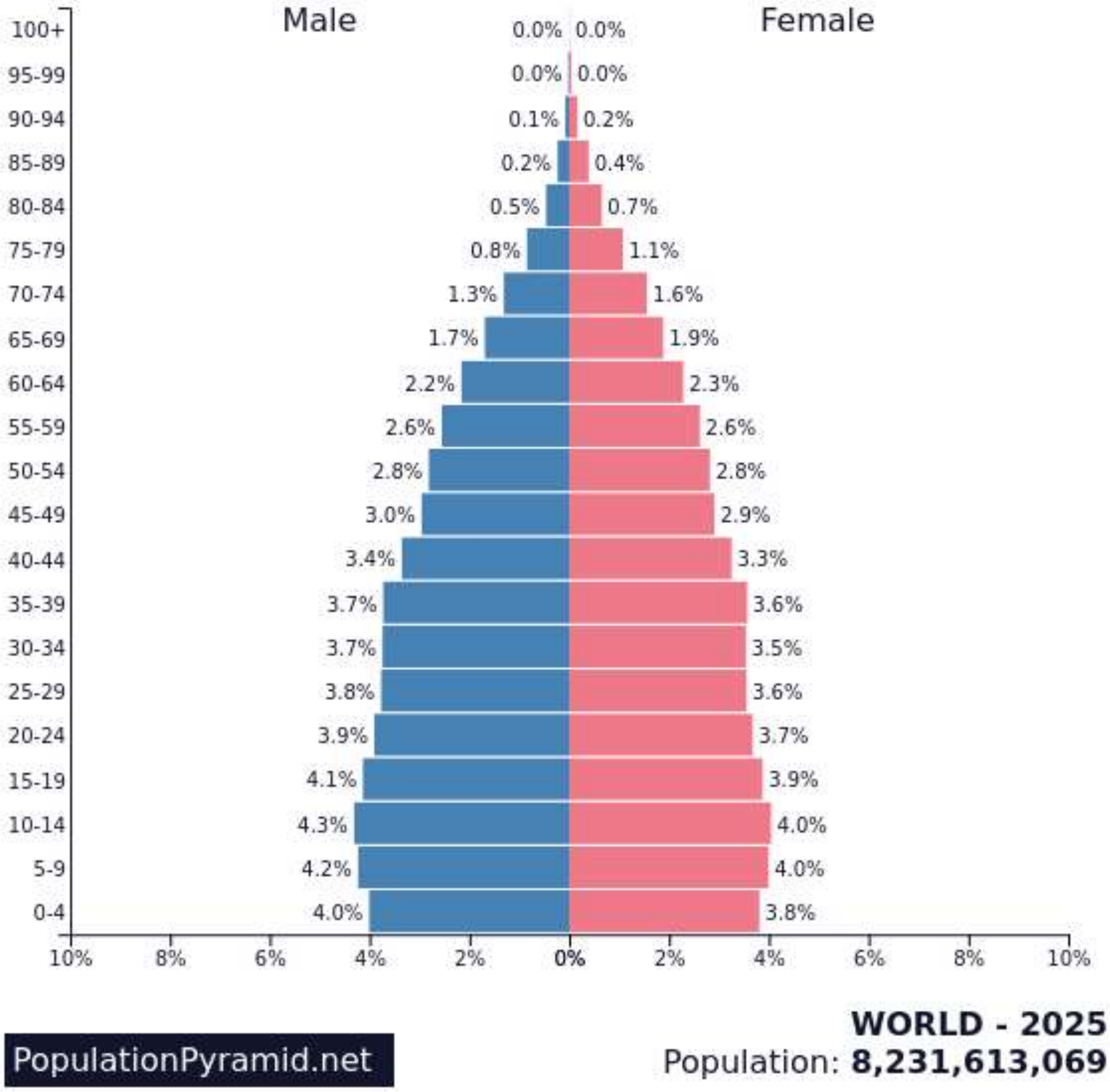
Number of people living in urban and rural areas, World

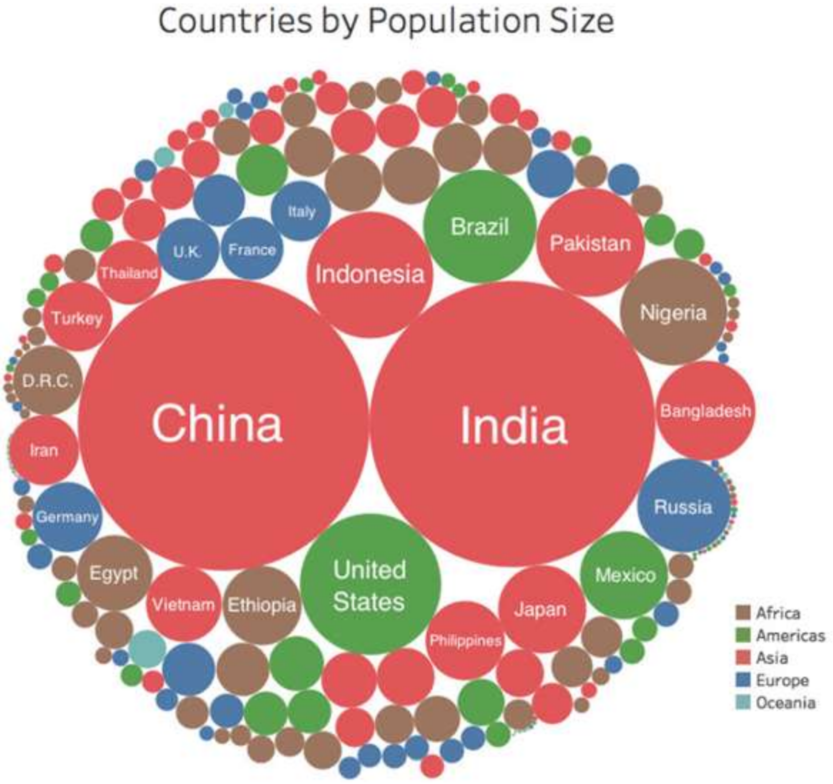


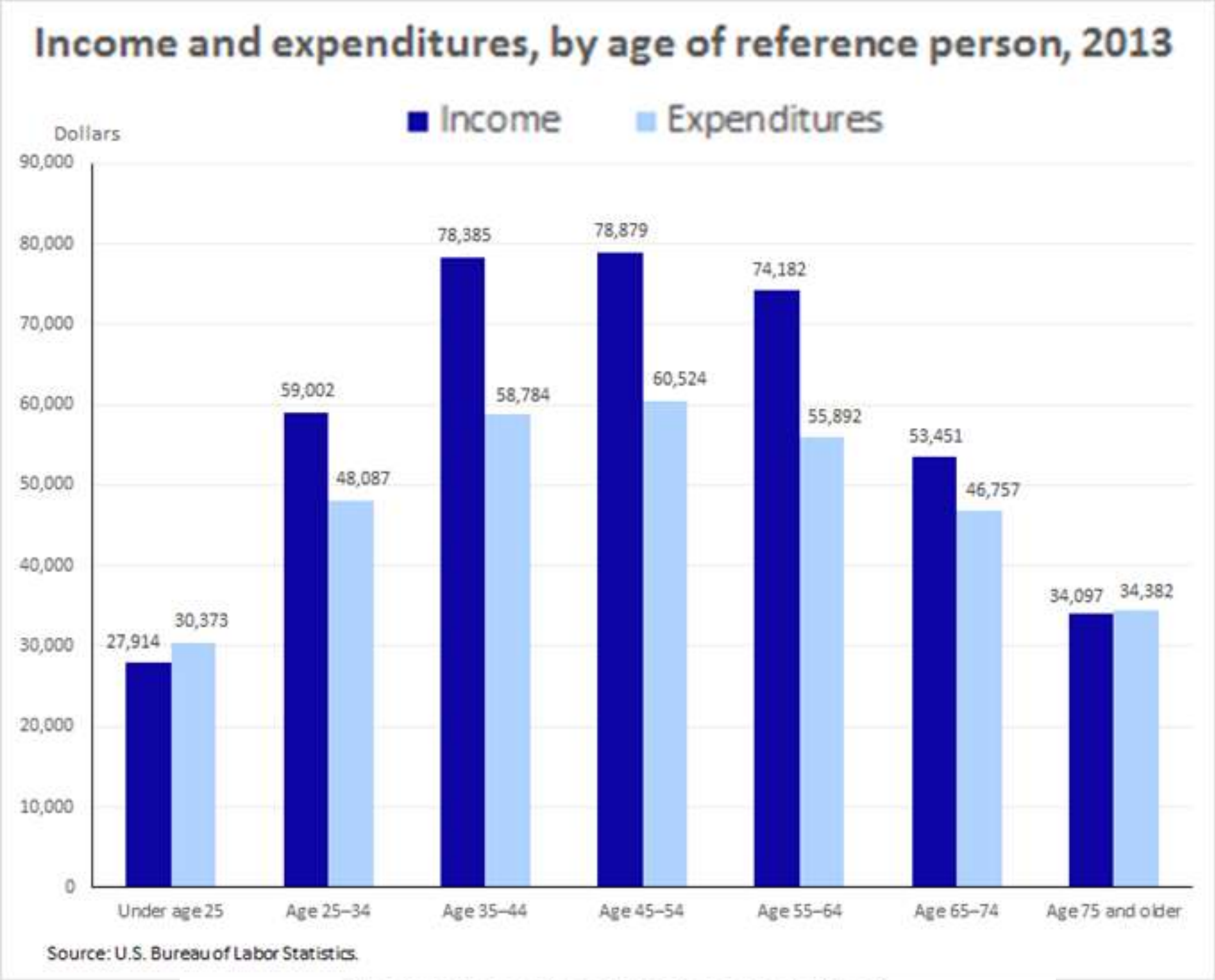
Ten Indicators
Three Dimensions of Poverty
Health
Education
Living Standard
Nutrition
Child Mortality
Years of Schooling
School Attendance
Cooking Fuel
Sanitation
Water
Electricity
Floor
Assets



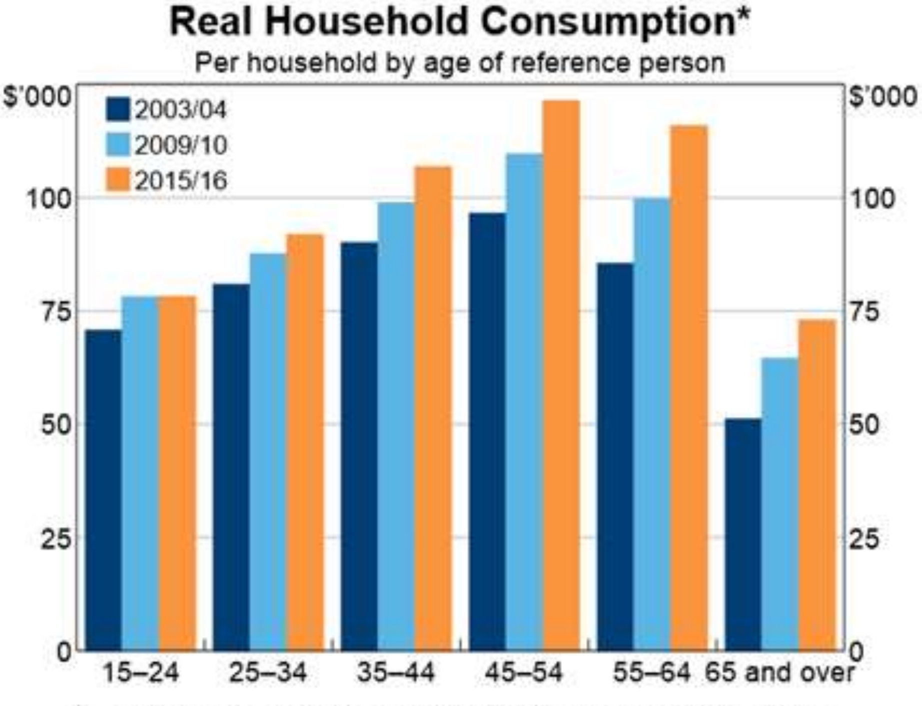
Share of the population living in urban areas, 1960 to 2023


Male
Female
100+
95-99
90-94
85-89
80-84
75-79
70-74
65-69
60-64
55-59
50-54
45-49
40-44
35-39
30-34
25-29
20-24
15-19
10-14
5-9
0-4
0.0% 0.0%
0.0% 0.0%
0.1% 0.2%
0.2% 0.4%
0.5% 0.7%
0.8% 1.1%
1.3% 1.6%
1.7% 1.9%
2.2% 2.3%
2.6% 2.6%
2.8% 2.8%
3.0% 2.9%
3.4% 3.3%
3.7% 3.6%
3.7% 3.5%
3.8% 3.6%
3.9% 3.7%
4.1% 3.9%
4.3% 4.0%
4.2% 4.0%
4.0% 3.8%
10% 8% 6% 4% 2% 0% 2% 4% 6% 8% 10%
PopulationPyramid.net
WORLD - 2025
Population: 8,231,613,069


Countries by Population Size
China
India
United States
Indonesia
Brazil
Pakistan
Nigeria
Bangladesh
Russia
Mexico
Japan
Philippines
Ethiopia
Vietnam
Egypt
Germany
Iran
D.R.C.
Turkey
Thailand
U.K.
France
Italy
Africa
Americas
Asia
Europe
Oceania



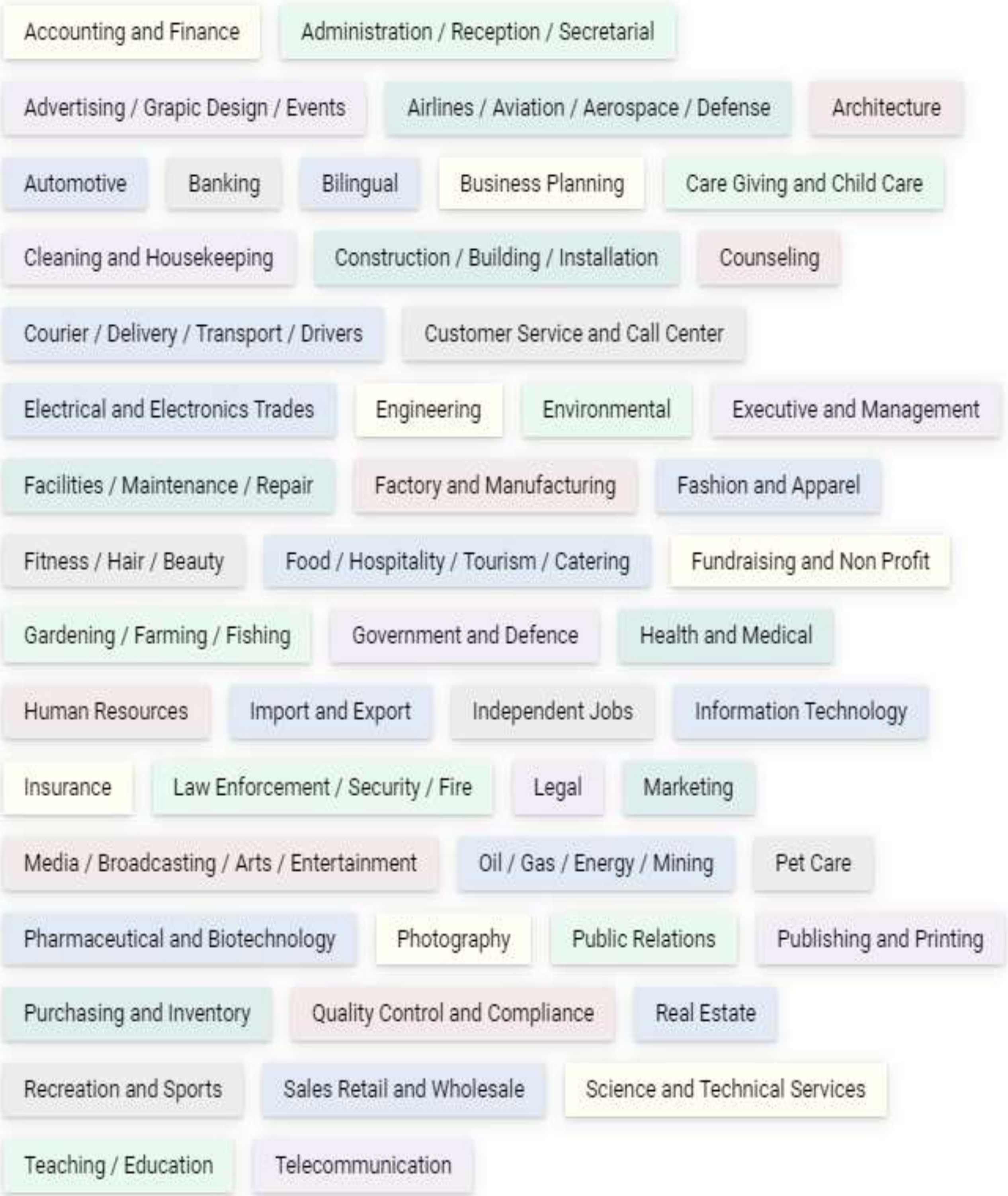
Source: U.S. Bureau of Labor Statistics.



* Deflated to 2015/16 prices with the aggregate household consumption deflator.

Sources: ABS; RBA

Career paths focused upon herein:
Education and Teaching
Nursing, Health and Medical
Agriculture and Food Security



Accounting and Finance
Administration / Reception / Secretarial
Advertising / Grapic Design / Events
Airlines / Aviation / Aerospace / Defense
Architecture
Automotive
Banking
Bilingual
Business Planning
Care Giving and Child Care
Cleaning and Housekeeping
Construction / Building / Installation
Counseling
Courier / Delivery / Transport / Drivers
Customer Service and Call Center
Electrical and Electronics Trades
Engineering
Environmental
Executive and Management
Facilities / Maintenance / Repair
Factory and Manufacturing
Fashion and Apparel
Fitness / Hair / Beauty
Food / Hospitality / Tourism / Catering
Fundraising and Non Profit
Gardening / Farming / Fishing
Government and Defence
Health and Medical
Human Resources
Import and Export
Independent Jobs
Information Technology
Insurance
Law Enforcement / Security / Fire
Legal
Marketing
Media / Broadcasting / Arts / Entertainment
Oil / Gas / Energy / Mining
Pet Care
Pharmaceutical and Biotechnology
Photography
Public Relations
Publishing and Printing
Purchasing and Inventory
Quality Control and Compliance
Real Estate
Recreation and Sports
Sales Retail and Wholesale
Science and Technical Services
Teaching / Education
Telecommunication

Where are the Countries that Standout in Vocational Education and Training?

https://wendyperry.com.au/2023/05/11/where-are-the-countries-that-standout-in-vocational-education-and-training/
11 May 2023

World Ranking	Africa Rank	Country	Score 2023	Skills Percentage
1		Switzerland	78.96	
2		Singapore	77.11	
8		Australia	73.93	
14		Germany	69.88	

It is difficult to identify the “best” country in the world on vocational education and training (VET) as each country has its own unique strengths and challenges. However, there are several countries that are widely recognised as leaders in VET, including Switzerland, Germany, Austria, and Singapore.

Switzerland has a highly-regarded vocational education and training system that combines on-the-job training with classroom education. The country has a strong focus on apprenticeships, which are supported by a comprehensive network of vocational schools and industry associations.

Germany’s dual system of VET is also highly regarded, with a strong focus on on-the-job training and a rigorous assessment process. The country has a strong tradition of industry-led training, with industry associations playing a key role in the development and delivery of training programs.

Austria’s VET system is known for its high-quality training programs, which are designed to meet the needs of both employers and employees. The country has a strong focus on work-based learning, with apprenticeships and other forms of on-the-job training playing a key role in the training system.

Singapore has developed a highly advanced VET system that is closely aligned with the needs of its rapidly growing economy. The country has a strong focus on industry partnerships and collaboration, with industry associations and training providers working closely together to develop and deliver training programs.

These countries are widely recognised as leaders in vocational education and training, and their success can be attributed to a combination of factors, including strong industry partnerships, a focus on work-based learning, and a commitment to high-quality training programs that are closely aligned with the needs of the economy.

What about Finland, Australia and New Zealand?
Finland, Australia, and New Zealand are also recognized as countries with strong vocational education and training (VET) systems.

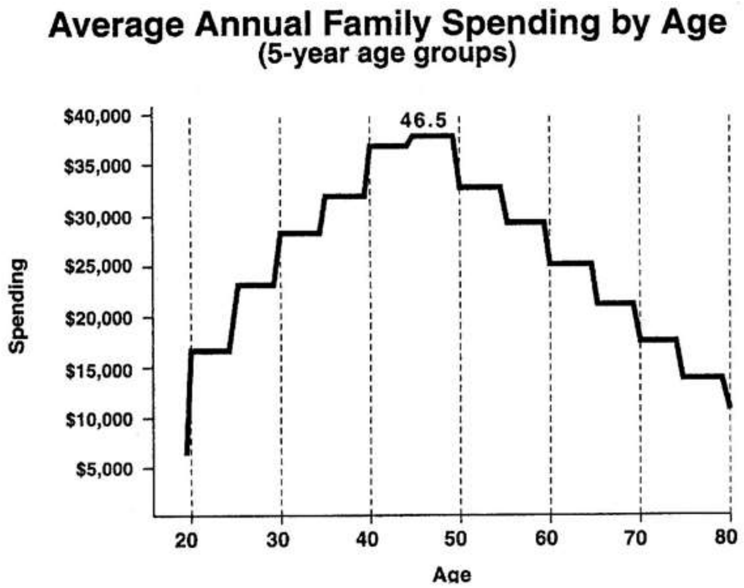
Finland has a highly regarded VET system that is characterized by a strong focus on work-based learning and the integration of vocational education and training with general education. The Finnish system places a high value on equity, with a strong emphasis on ensuring that all students have access to high-quality vocational education and training opportunities.

Australia’s VET system is known for its strong industry partnerships, which help to ensure that training programs are closely aligned with the needs of the economy. The country also has a strong focus on skills recognition and the transferability of skills, which helps to promote lifelong learning and career mobility.

New Zealand has a flexible and dynamic VET system that is designed to meet the needs of a rapidly changing economy. The country has a strong focus on work-based learning and industry partnerships, and its training programs are closely aligned with the needs of employers and the broader economy.

Countries identified have developed strong VET systems that are characterized by a focus on work-based learning, strong industry partnerships, and a commitment to high-quality training programs that are closely aligned with the needs of the economy.

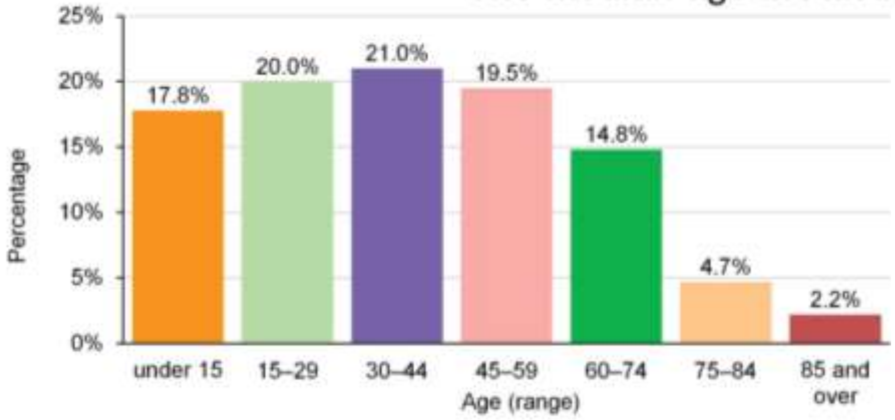
BUYER TRENDS

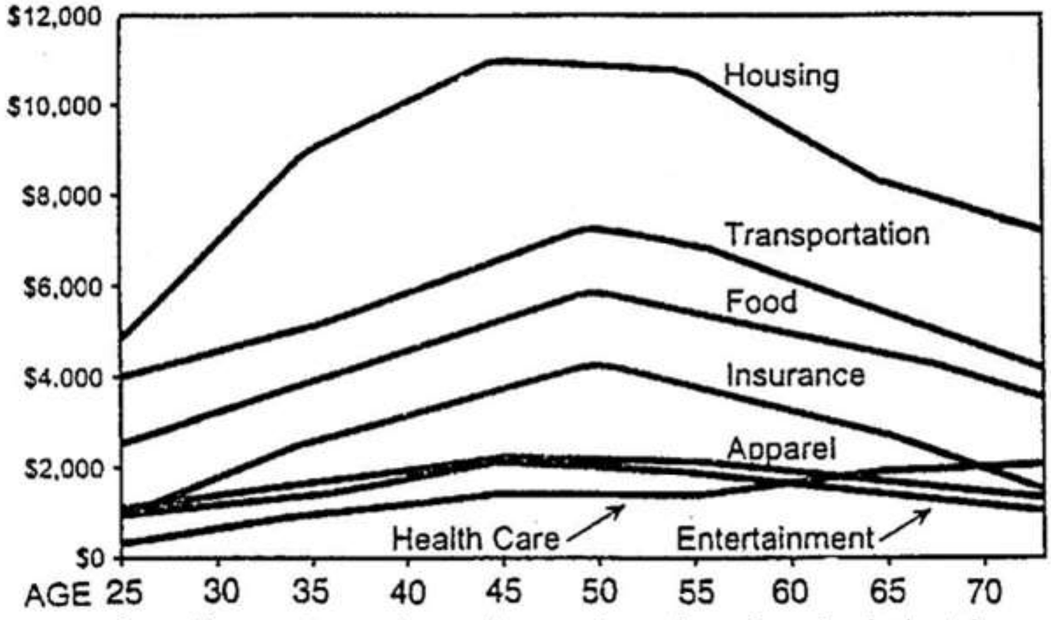


Australia
median age is
38.3 years

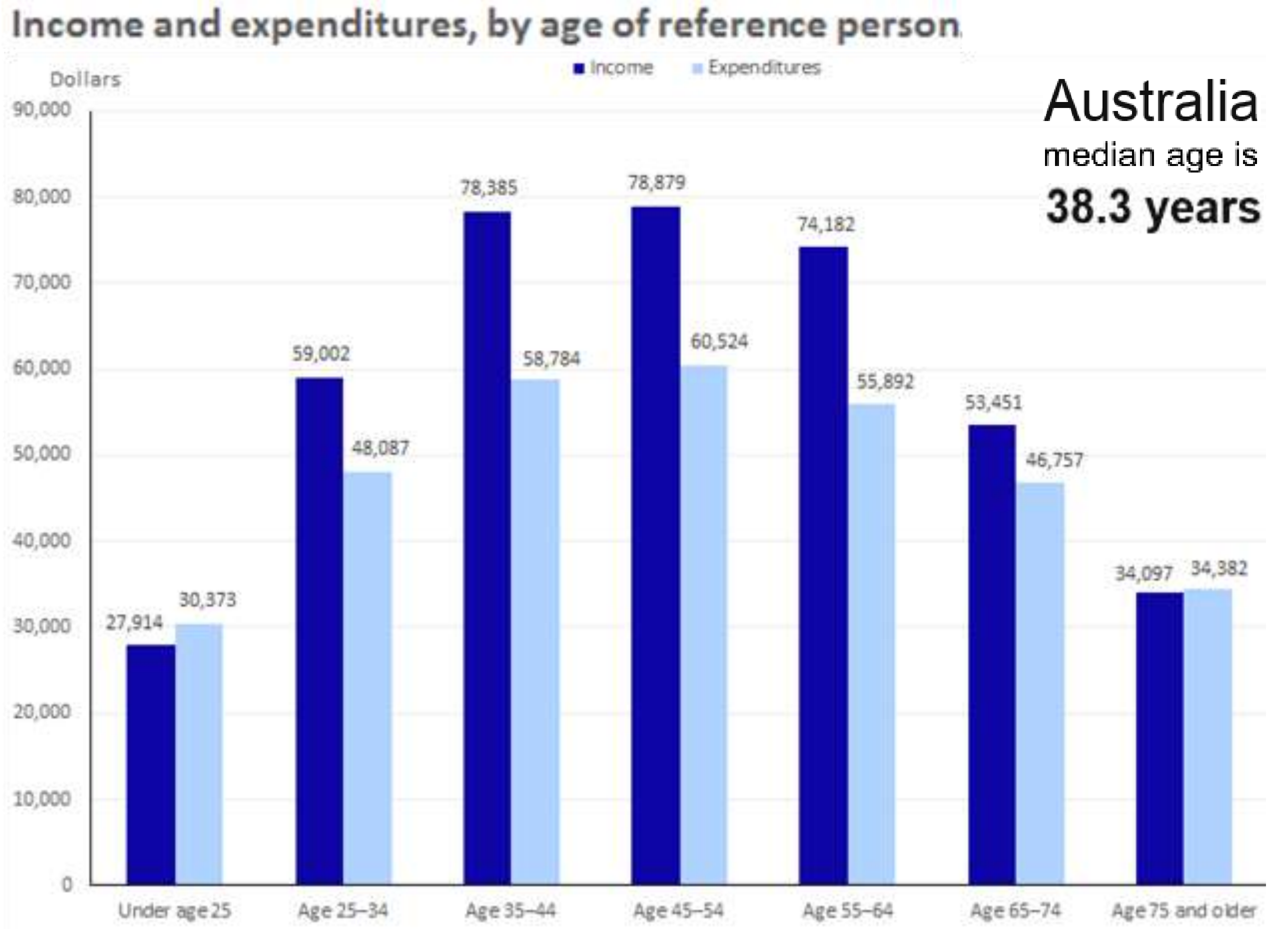
Australia age breakdown (2017)

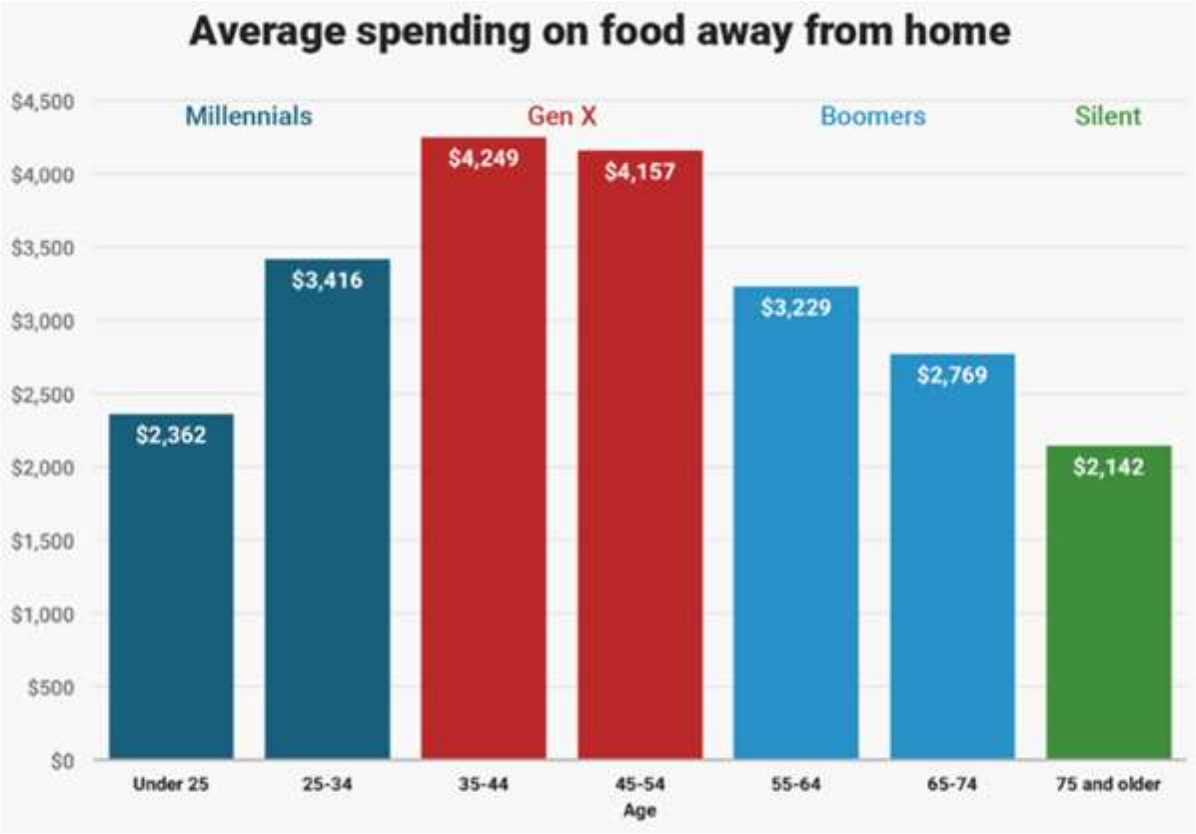
The median age in Australia is **38.3 years** (2024)





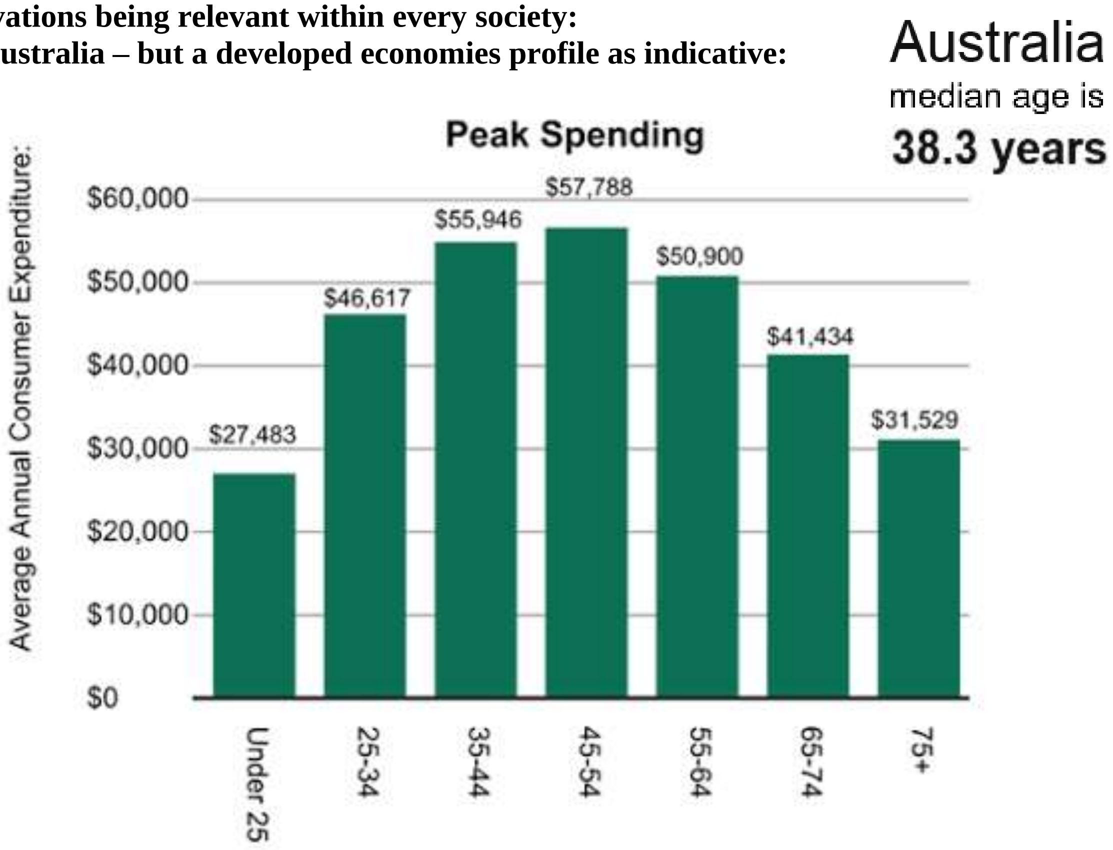
Spending patterns for various categories of major industries


Income and expenditures, by age of reference person
■ Income
■ Expenditures
Dollars
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
Australia
median age is
38.3 years
27,914
30,373
59,002
48,087
78,385
58,784
78,879
60,524
74,182
55,892
53,451
46,757
34,097
34,382
Under age 25
Age 25–34
Age 35–44
Age 45–54
Age 55–64
Age 65–74
Age 75 and older

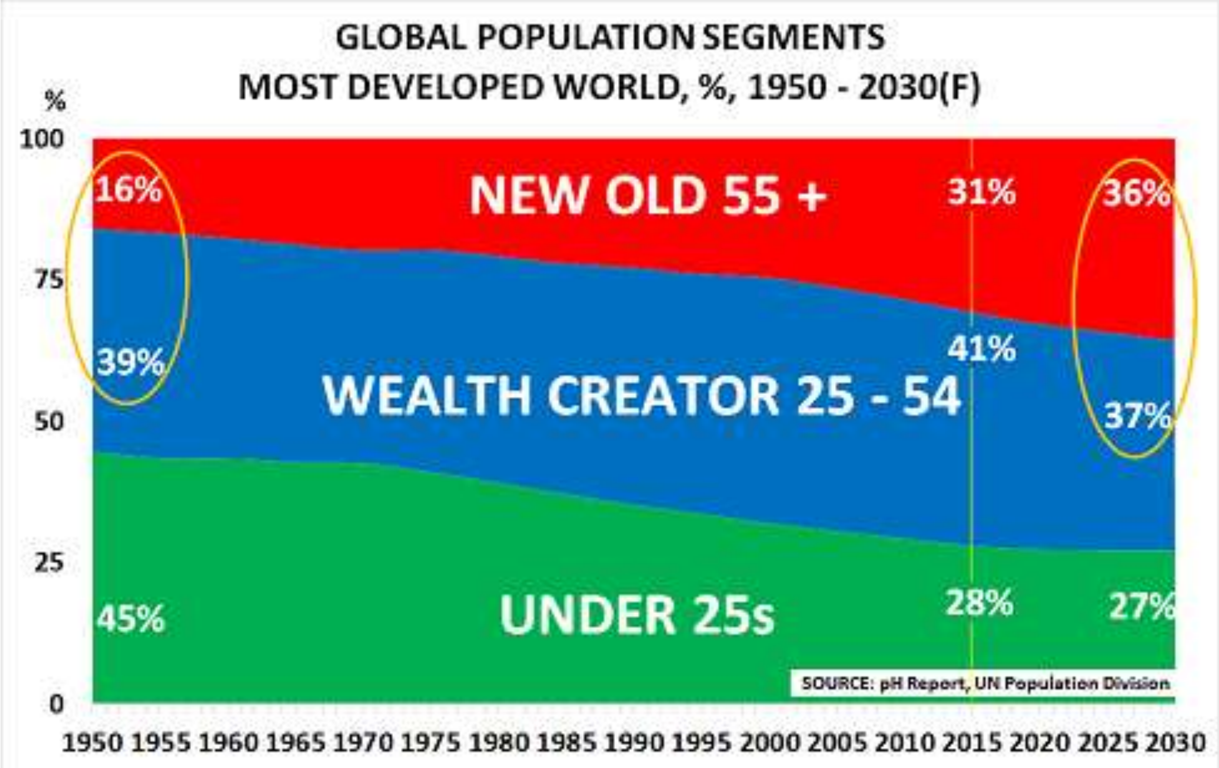

Average spending on food away from home
Millennials
Gen X
Boomers
Silent
$4,500
$4,000
$3,500
$3,000
$2,500
$2,000
$1,500
$1,000
$500
$0
$2,362
$3,416
$4,249
$4,157
$3,229
$2,769
$2,142
Under 25
25-34
35-44
45-54
55-64
65-74
75 and older
Age

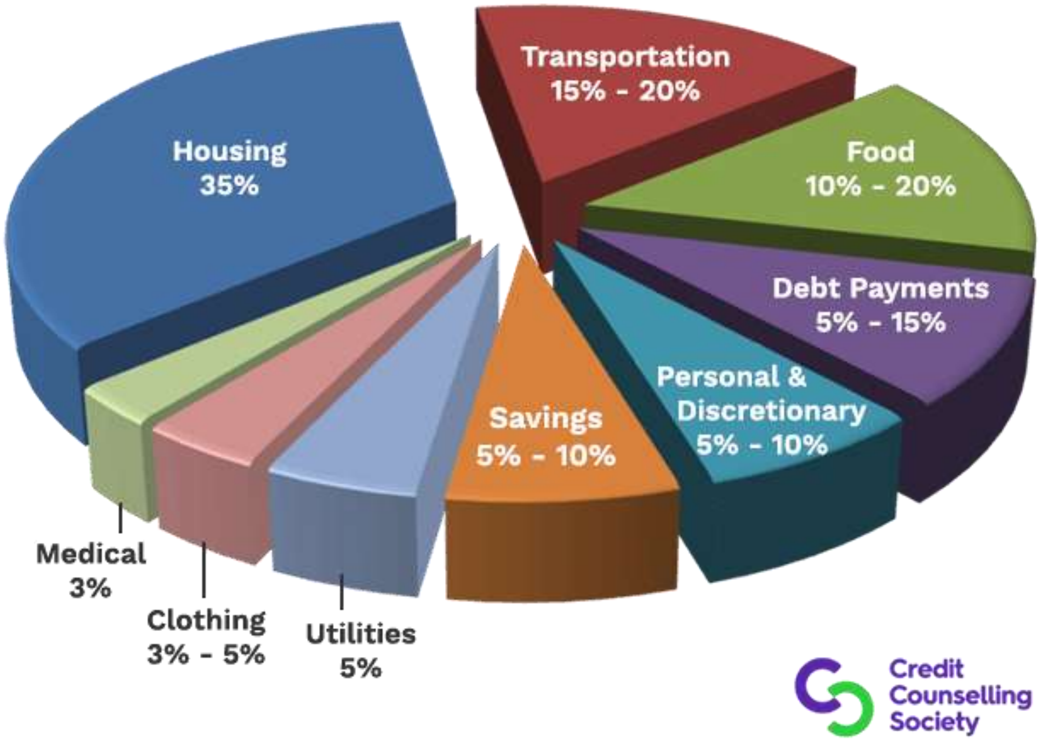
The median age in Australia is **38.3 years** (2024)

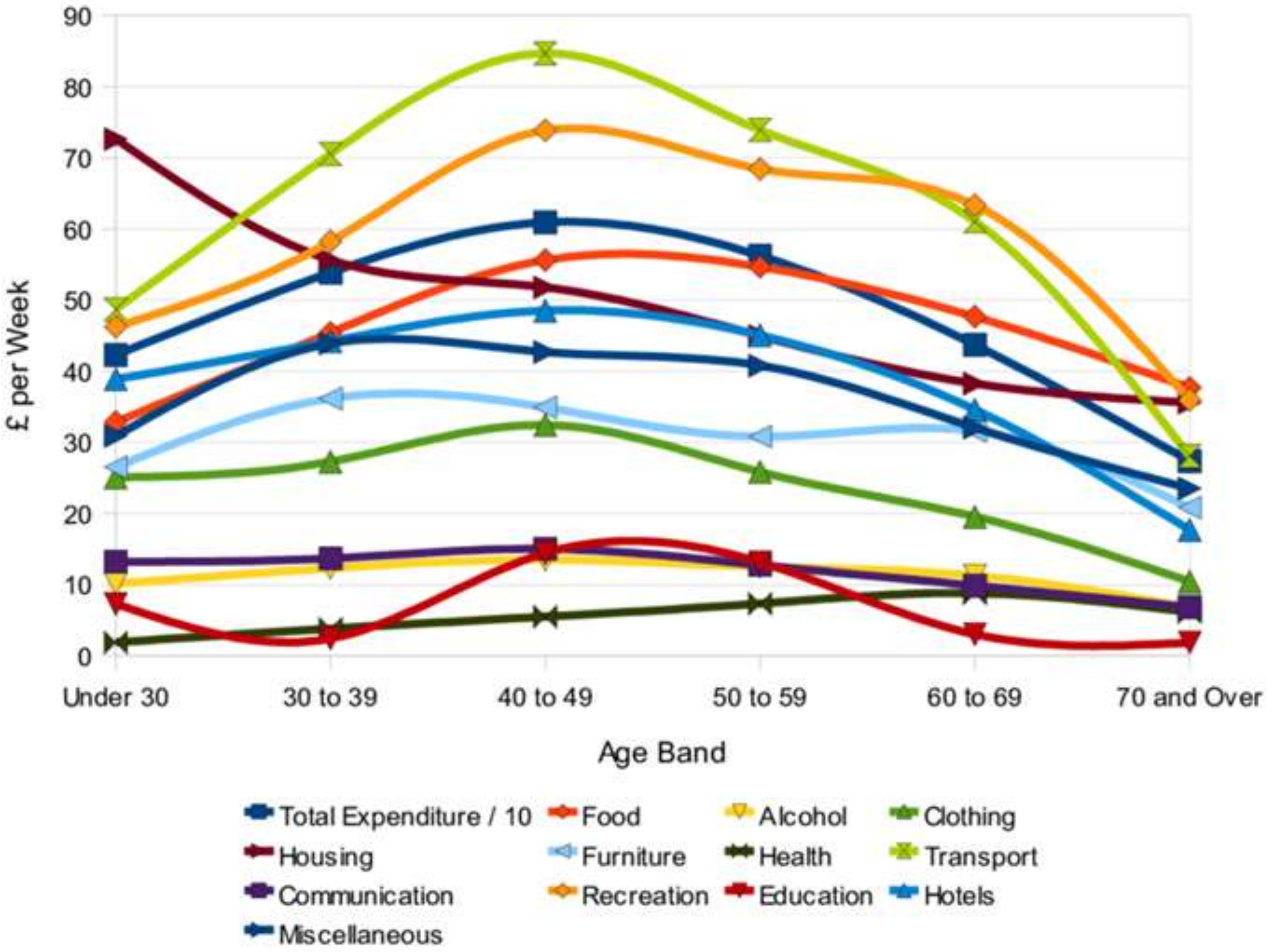
These observations being relevant within every society:
This is not Australia – but a developed economies profile as indicative:

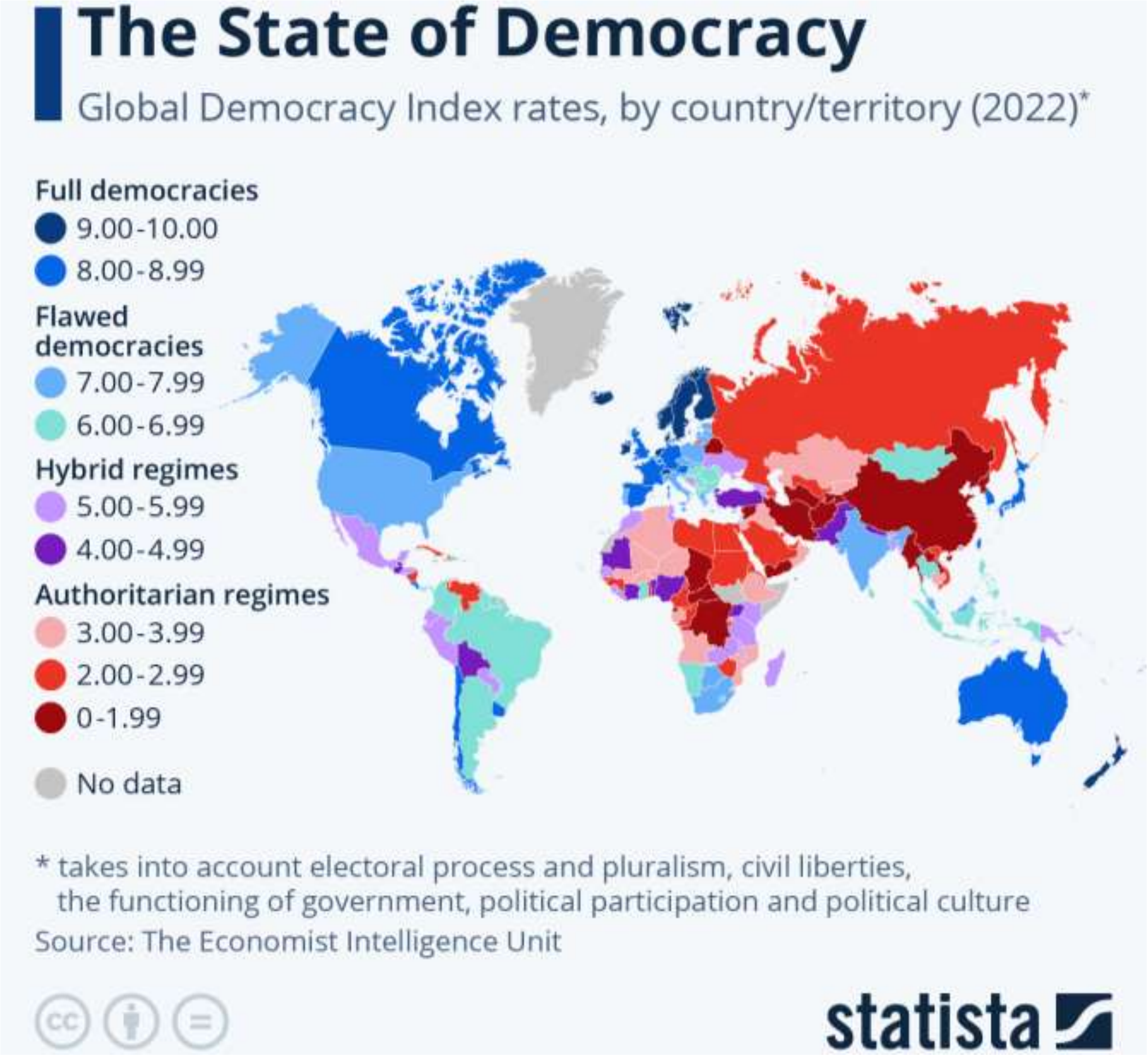


The median age in Australia is **38.3 years** (2024)




Housing
35%
Transportation
15% - 20%
Food
10% - 20%
Debt Payments
5% - 15%
Personal &
Discretionary
5% - 10%
Savings
5% - 10%
Utilities
5%
Clothing
3% - 5%
Medical
3%
Credit
Counselling
Society


£ per Week
90
80
70
60
50
40
30
20
10
0
Under 30
30 to 39
40 to 49
50 to 59
60 to 69
70 and Over
Age Band
Total Expenditure / 10
Food
Alcohol
Clothing
Housing
Furniture
Health
Transport
Communication
Recreation
Education
Hotels
Miscellaneous



The State of Democracy

Global Democracy Index rates, by country/territory (2022)*

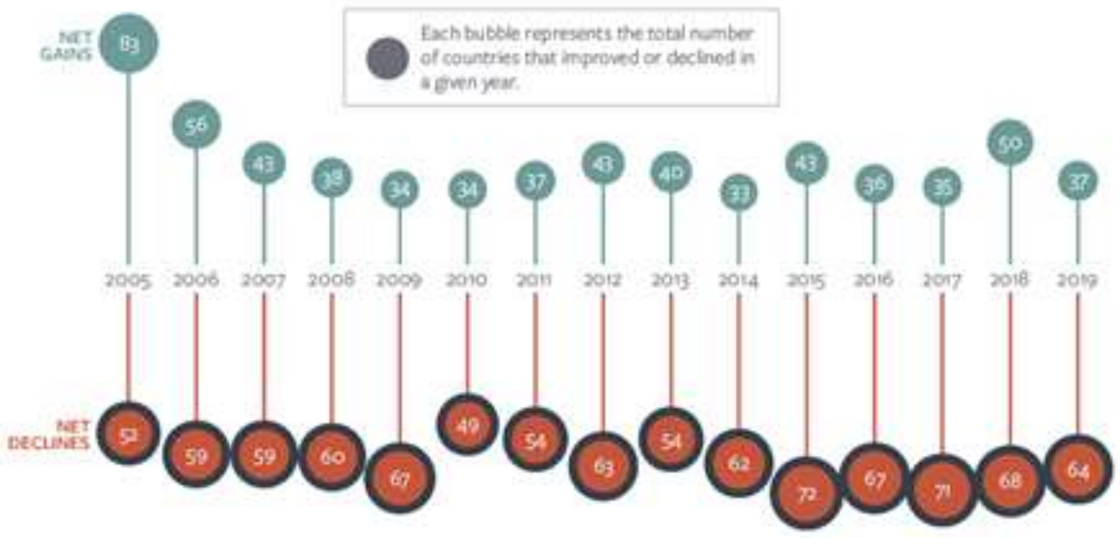
Full democracies
● 9.00-10.00
● 8.00-8.99
Flawed democracies
● 7.00-7.99
● 6.00-6.99
Hybrid regimes
● 5.00-5.99
● 4.00-4.99
Authoritarian regimes
● 3.00-3.99
● 2.00-2.99
● 0-1.99
● No data
statista

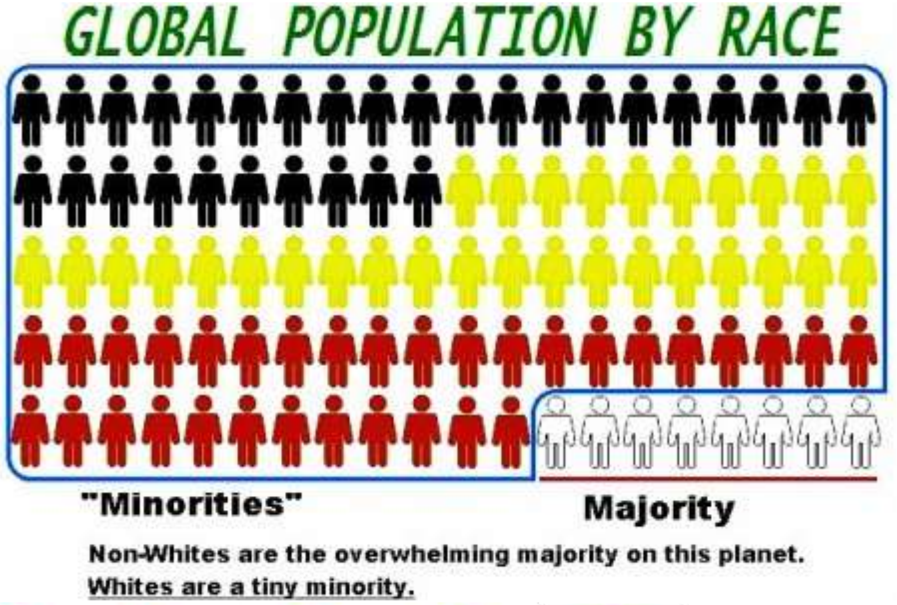
* takes into account electoral process and pluralism, civil liberties, the functioning of government, political participation and political culture

Source: The Economist Intelligence Unit

14 Years of Democratic Decline

Countries with net declines in their aggregate *Freedom in the World* score have outnumbered those with gains for the past 14 years.





A humanity is endowed with seven colours, just like the rainbow in the sky! 993,500 years ago, our first humans were the twins, Andon and Fonta and they were redskins having an appearance approaching that of the Eskimos. These red skinned people travelled far from south of the Caspian Sea, reaching Tasmania – Australia's south, 950,000 years ago! Re: The Urantia Book

500,000 years ago the Sangik family in the north- eastern highlands of India had 19 children, 5 red, 2 orange, 4 yellow, 2 green, 4 blue, and 2 indigo (black) – the first and only rainbow family!

These formed groups and sometime later the orange, green and blues died out – killing each other!

Adam and Eve materialised on Earth more than 38,000 years ago and introduced the remaining colour, violet (white). As you can see, there are no black or white people!

Earth's humanity now has four colours, red, yellow, indigo and violet. They will intermingle and blend to become of an olive complexion!

OLIVE SKIN IN A NUTSHELL

This STAGE in the HISTORY of HUMANITY

The year is 2025 and it is a year where humanity is demonstrating incredible levels of instability, stress and lack of comprehension. Unknowingly, humanity is being stirred to seek truth!

Presently, the following are highly ranked searched words on the World Wide Web – internet:

God, Prayer and Meaning of Life!

Australian ABC 'Drum' television 8 Sep 2020

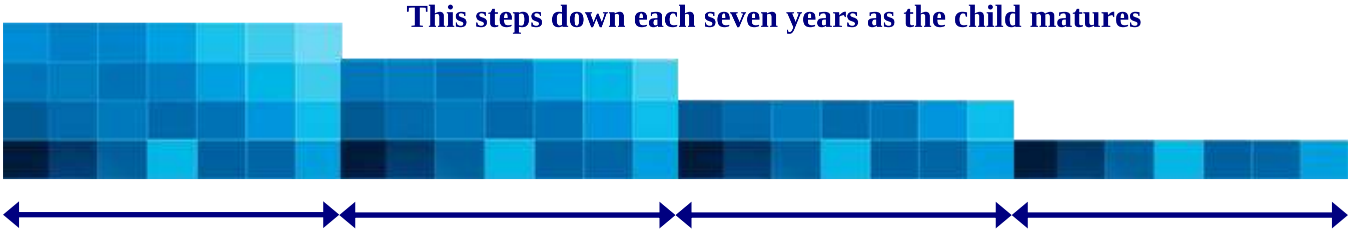
It is not only the coronavirus Covid-19 pandemic, but it is humanity's overwhelming disorientation and lack of meaningful purpose that is bringing about a global focus on how society has been misled and mistreated in all aspects of life. All institutionalised systems are being exposed for hypocrisy, abuse of authority, mistreatment of children, suppression of women, and general misrepresentation of 'truth'. People's lives are being disrupted, unsettled and aroused to investigate and search for Truth.

Suppression of humanity is escalating in stealth mode. The population is yet to put all the pieces together. Authoritarian leadership is diminishing liberties slowly but relentlessly. No one has the liberty, let alone the awareness, that they can and are to express their true personalities, their true selves.

No parent is aware that their personal suppression is impacting upon their own children in a similar manner that they are experiencing. Parents are yet to understand that should they heal themselves, even a very small amount, their children benefit as well. And once the cycle of progressive steps in healing becomes understood, then generationally incremental benefits pass through to the following generation. Humanity will then progressively embrace the Great U-Turn and the New Feelings Way.

POTENTIAL to BENEFIT your CHILD through your own FEELING HEALING:

This steps down each seven years as the child matures



From conception to age 6 or 7 **From 8 to age 14** **From 15 to age 21** **From 22 to age 28**

As we heal, we directly heal our children similarly.

The Indwelling Spirit arrival for the child around age 6 or 7 starts their independence.

The process of introducing the Avonal Age, the coming Spiritual Age or 1,000 years, is bringing about disruption to humanity's 'comfortable' way of life. The coming decades will continue to be filled with disturbance and the withdrawal of continuing to live the way in which we have been accustomed to. We are to change from routinely following the patterns that prevailed throughout the Rebellion and Default. We are not going to be allowed to continue as we have been. Disturbance and exposure of corruption will cause respected norms to be abandoned. Nothing will continue as it was. Everything that we relied upon will crumble through the exposure that will unfold for all to see.

The change from mind orientation living to feelings orientated living will be difficult for those who resist and hold on to living as they have, the way humanity has for these past 200,000 years, being the era of the Rebellion and Default – now ending.

The STRUCTURE of the SHIFT to the NEW FEELINGS WAY:

The shift to the New Feelings Way will unfold through passive embracement by humanity over many years. This has been planned to the greatest detail. This event has been unfolding for thousands of years – possibly since the time of Abraham – certainly having commenced when the Creator Daughter and Son, Mary Magdalene and Jesus, lived on Earth. You could say that the 31 May 1914 heralded the commencement of this event when Celestial spirits with Jesus commenced writing through James Padgett. Further on, high level spirits delivered The Urantia Book (1925 – 1935). Now we have the writings through James Moncrief (commencing 2002 and ongoing).

In fulfilment of the prophecy in the first century, the Second Coming commenced on 31 May 1914 through the writings with James Padgett and concluded in 2014 through the writings with James Moncrief by Mary Magdalene and Jesus providing great insight and guidance.

Mary and Jesus are well advanced in passing over their direct involvement with Earth, being the 'End Times', to those within the Celestial Heavens. When this is completed, the Handover may also have taken place. **The Hand Over is to the Avonal Bestowal pair** and it is they who will guide humanity through their Feeling Healing for the next 1,000 years, being the next Spiritual Age. The Handover may take place after the Avonal pair complete their personal Healing of their Rebellion and Default. Upon the Avonal pair's death, then their Spirits of Truth will be liberated, and together with Mary Magdalene and Jesus' Spirits of Truth, these four Spirits of Truth will provide guidance for Earth's humanity throughout the coming Avonal Age.

Major events have occurred throughout the progression of the Avonal pair's Feeling Healing, which they are also doing whilst embracing our Heavenly Parents' Divine Love, thus they are doing their Soul Healing:

1993:	The arrest of the Caligastia and Daligastia soul partner pairs.
22 March 2017:	Negative mind-spirit influence was blocked by Celestial spirit.
31 March 2017:	Angel assisted healing will become available upon the Avonal pair completing their own Feeling Healing, being with Divine Love, thus it being Soul Healing.
22 May 2017:	Law of Compensation quickening.
2 December 2017:	Psychic Barriers maintaining the Rebellion and Default were cracked.
8 December 2017:	Bring on the money to **'house the future of humanity'**.
31 January 2018:	Earth and the seven associated Mansion Worlds (including the two Earth planes) are **officially** now fully under the control of Celestial spirits. This marks a tangible and real end to the Rebellion and Default.
19 December 2023:	Eve and Adam receive official oversight status.

We are to follow the prompts – well actually – our feelings!

THE
GREATEST
SHOW
is ON EARTH

EVE AND ADAM

Tuesday, 19 December 2023, marks the appointment of Eve and Adam as oversight of Earth's humanity throughout the 3 Celestial Heavens, the 7 Mansion Worlds and on Earth for the coming Avonal Age of the next 1,000 years, as announced officially by Mary Magdalene, coregent with Jesus, of Nebadon.

Golden Feeling Path

All our feelings are so important, and we are to follow them like walking down a golden feeling path, and most importantly, our bad feelings.

Angel guides 15 July 2022

HOW is it that the Greatest Show IS on Earth?

We look into the sky and we see the Sun, our star, and we know it has one planet that is inhabited – with Earth’s humanity. We look into the night sky and we may see, on average, around 1,000 stars. Each star has between nil and three inhabitable worlds, like that of Earth – on average more than one is inhabitable.

From The Urantia Book, we understand a ‘local system’ has 1,000 inhabitable worlds of which about one third is inhabited. Earth is within a system which has 619 inhabited worlds of which Earth is number 606. We are a young planet. Our system is called Satania. Local Universe high level spirits (not as high as those from Paradise) of the Lanonandek group are assigned to the spiritual development of local systems. The Lucifer soulmate pair was assigned the role of System Sovereigns of Satania. Their deputy was Satan with his soul partner. The Planetary Prince was the soul partner pair, Caligastia, their deputy was the soul partner pair, Daligastia. These are all Lanonandek spirits from within our Local Universe called Nebadon.

Some 200,000 years ago, Lucifer induced the humanities on 37 planets within our local system to embrace their minds as a way of living, thereby suppressing their feelings. As women are closer to their feelings than men, women would see through the foolishness so men were induced to subjugate women. To compound this error, Caligastia and Daligastia brought about the Default of Adam and Eve, that was more than 38,000 years ago. 100 local systems, each of 1,000 worlds, make up a constellation, and 100 constellations make up a local universe. Our local Universe of Nebadon consists of 10,000,000 inhabitable worlds of which 3,840,101 are inhabited. Mary Magdalene and Jesus, Creator Daughter and Son being from Paradise, are the co-regents of our Local Universe of Nebadon.

Earth’s humanity is subjected to Rebellion and Default. Parents pass the Rebellion onto their children by default, thereby failing to understand the severity of the problem. The remainder of the Rebellion worlds have not Defaulted. No other humanity throughout our Local Universe of Nebadon has Rebelled. There are 100,000 local universes in our Super Universe – no other universes have Rebellion within them. There are 6 other Super Universes, all without rebellion tainting them, so our few rebellious planets are very unique so far in Creation. ALL are watching how Earth comes out of its Rebellion and Default – Earth’s humanity is the Greatest Show in progress throughout all the universes.

While Earth’s humanity remains in the Rebellion and Default, Earth is quarantined from visitation from any other humanity (as are all of the 37 rebelling humanities). Earth has not been visited by any other humanity these past 200,000 years. It remains quarantined until it has healed itself of the Rebellion and Default. Further, Earth’s humanity will not be allowed to travel beyond its local solar system until it is healed. ALL non-rebelling humanities live in a soul condition that approximates or is close to that of Celestial soul condition. Consider that being around 1,000 on the Map of Consciousness (MoC) – Earth is 220 MoC!

What is being introduced to Earth’s humanity at this time is the way for Earth’s humanity to heal itself of its Rebellion and Default and that is by Living Feelings First which is engaging in our personal Feeling Healing. Slowly and progressively through the coming Avonal Age of 1,000 years, Earth’s humanity will evolve to a significantly higher level on the Map of Consciousness with many living in a Celestial soul condition while living in the physical on Earth. This will eventually enable Earth’s humanity to re-enter citizenship throughout our local universe.

This announces how incredibly important and progressive the guidance and revelations are for all of Earth’s humanity – both in the physical as well as in spirit.

PRODUCT CYCLE:

The coming Spiritual Age of 1,000 years is the Avonal Age. It is throughout this Spiritual Avonal Age that humanity is to progressively become aware and embrace their personal desire for the new way of living that is now being introduced.

Andon and Fonta were the first of humanity to have a longing for human perfection. They lived about 993,500 years in a region a little south of the Caspian Sea (Afghanistan). It was 200,000 years ago that high level spirits entrusted with the spiritual uplifting of Earth's humanity seduced the people on Earth to embrace their minds as the way to becoming all powerful, if not mini-gods. For 200,000 years Earth's humanity has been living against it-self, rejecting God in the process, and essentially worshipping their minds. That error is now being corrected through revelation and guidance.

2,000 years ago, a spirit soul-partner pair bestowed themselves on Earth, however they were not here for Earth's humanity exclusively. They came to complete their obligations that then elevated them to the status of being full regency of our Local Universe called Nebadon. They also brought about the availability of our Heavenly Mother and Father's Divine Love for all the humanities throughout their Local Universe. And they opened the healing spirit Mansion Worlds, 3, 5 and 7 as well as the Celestial Heavens 1, 2 and 3 for Earth's humanity who heal themselves of their personal Rebellion and Default. This pair's focus was about the overarching needs for spiritual growth of all the humanities within their domain. However, they set in place the foundations for what is unfolding today exclusively for Earth.

Earth now has a second bestowal soul partner pair from Paradise. They are from the Avonal group of Paradise spirits and their focus is the spiritual uplifting of the humanity of one world only, and this pair is here for the people of Earth. They have taken on the extremes of the Rebellion of 200,000 years ago and the Default by Adam and Eve of more than 38,000 years ago. They are healing themselves of the Rebellion and Default and will now progress through their self-acceptance of what they had embraced, their rottenness, and then progress to become of a Celestial soul condition. No one throughout the history of humanity has ever previously been healed of their Rebellion and Default – however a lady living in England has done so, reaching this incredible achievement during 2024.

The Avonal Pair are to enable all of humanity to follow their example and that not only includes all of humanity living in the physical on Earth but also those in spirit living throughout the spirit mind Mansion Worlds and as well as within the hell planes of Earth. Presently, there may be around 200 billion spirit personalities to follow their example.

Like all people who can only be in one place at a time, high level spirits of the Creator Daughter and Son group and the Avonals, can also only be in one place at a time. To overcome this limitation, these two spirit groups have Spirits of Truth, that can be released upon their deaths and be accessible to everyone within their domain of authority. The Creator Daughter and Son's Spirits of Truth guide us through our evolution up through the Celestial Heavens and out of our Local Universe of Nebadon. The Avonal Pair's Spirits of Truth will assist and guide us through our healing of our Rebellion and Default, up through the Mansion Worlds and into the Celestial Heavens. This is what had not been previously available for Earth's humanity until now. Jesus and Mary Magdalene are the Creator Daughter and Son.

It is throughout the duration of the Avonal Age that these revelations are to be revealed to humanity and it commences with the work of Pascas Foundation.

PRODUCT CUSTOMISATION to MEET COMMUNITY NEEDS:

The product is revelations and guidance of a most profound nature. Upon comprehending what is contained in the major writings, we come to grasp that all the major social issues that humanity repeatedly fails to address and remedy can be resolved through the application of these writings.

Consequently, this is about making available these writings in a manner that is convenient, easily accessible, with as little expense as possible, and in every format to meet the needs of every person.

Firstly is the production of all the intended publications in the English language. Then will follow the translation into the dominant languages that accommodate more than 90% of the world's population of more than eight billion people.

While remaining languages are addressed to enable all people to have access to the revelations and guidance, then alternative ways of conveying the writings will be incorporated.

While only 12% of the people in the world could read and write in 1820, today the share has reversed: only 12.64% of the world population, in 2023, remained illiterate. Over the last 65 years the global literacy rate increased by 4% every 5 years – from 42% in 1960 to 86% in 2015.

Audio books are to be produced in the same pathway – English first, then the major languages, then the minors. Once a book is prepared in any language, then the audio publications could proceed.

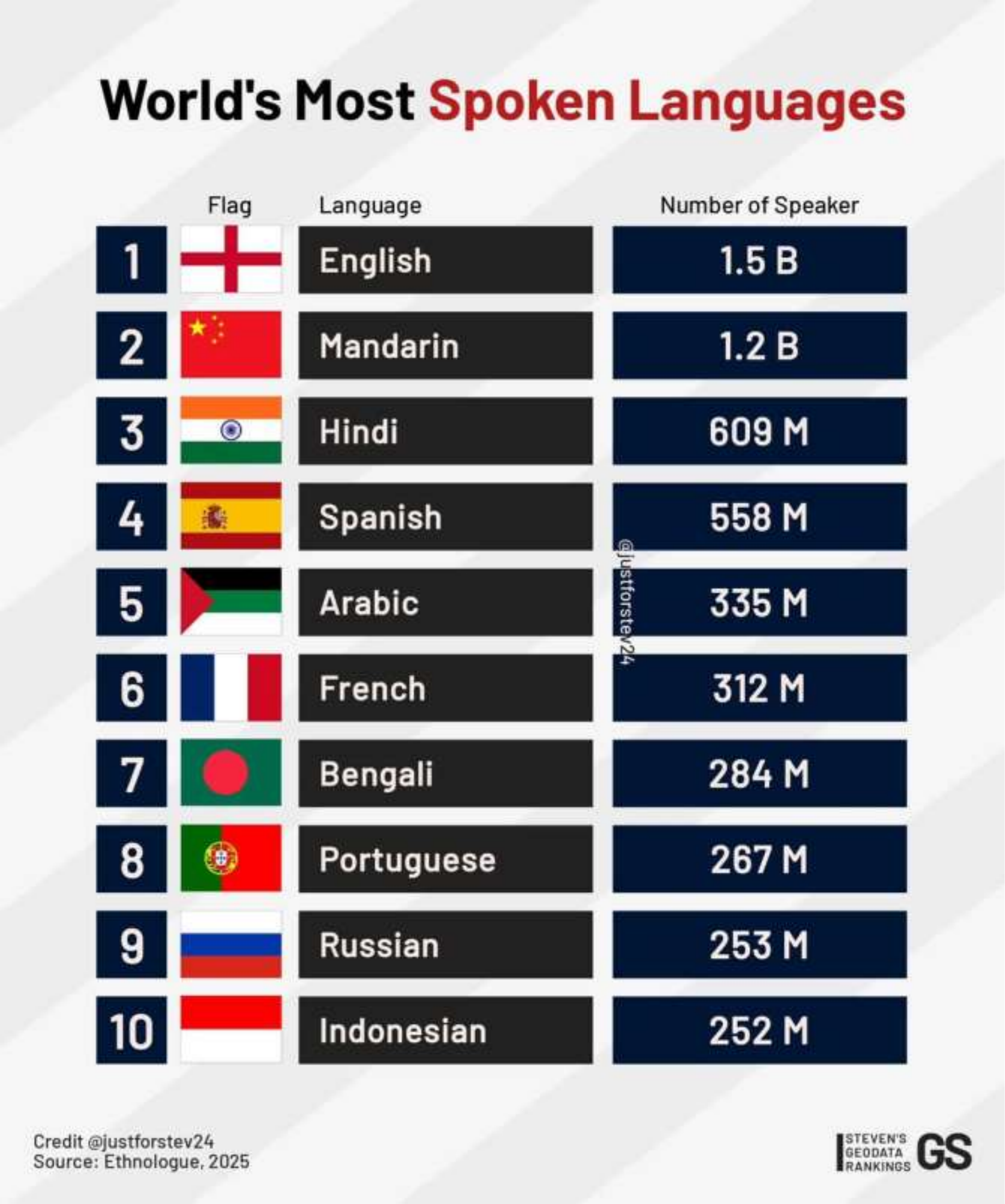
Production in Braille to provide access for the visually impaired would follow in the same manner as audio publications.

Short to long movies are to be produced. These are to range from blockbuster movies to short video clips. Presently more than 80 movie scripts have been written.

All such publications will be made available on secure internet websites. Thus all of the material will be accessible and freely downloadable in all formats and in all languages as they are compiled. Search engines on the websites will enable search and find for those who prefer such services.

Education curriculum will be developed for education programs suitable for and addressing all ages. Such curriculum will then be specifically developed for each community considering these options. Thus, a fully developed curriculum would reflect the specific needs of the community having embraced input from local educators and members of that community. Parents and children are to have input. This is a major shift from mind domination to feelings orientated – to the way we are intended to live – this is a major evolutionary step for humanity and everyone who wishes to involve themselves are to be provided with the opportunity.

Presently, there are around 75,000 pages of material to work through. The public work of the Avonal Pair may yet be to commence and that taking place will add significantly to the core material to be published.

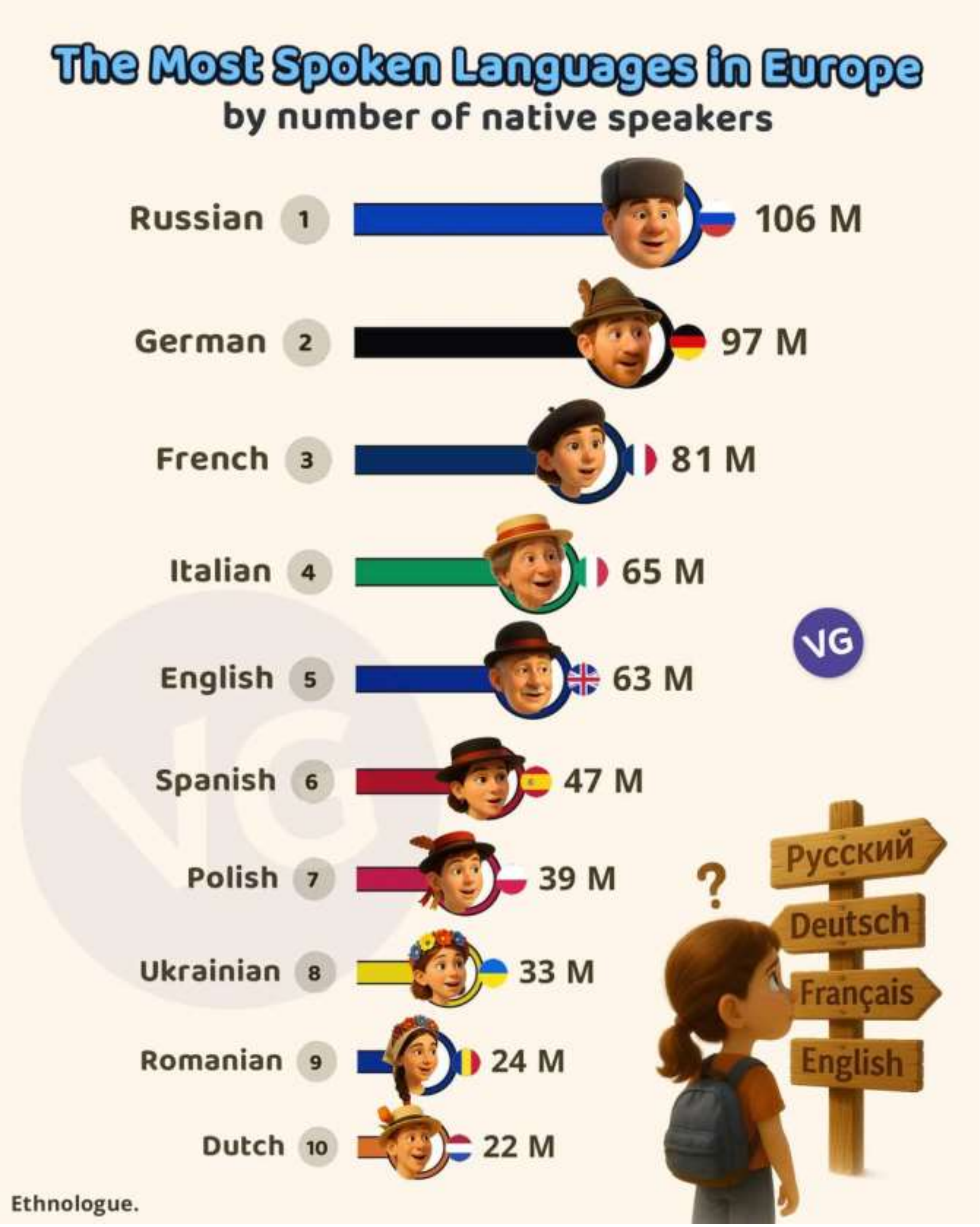


World's Most Spoken Languages

	Flag	Language	Number of Speaker
1		English	1.5 B
2		Mandarin	1.2 B
3		Hindi	609 M
4		Spanish	558 M
5		Arabic	335 M
6		French	312 M
7		Bengali	284 M
8		Portuguese	267 M
9		Russian	253 M
10		Indonesian	252 M

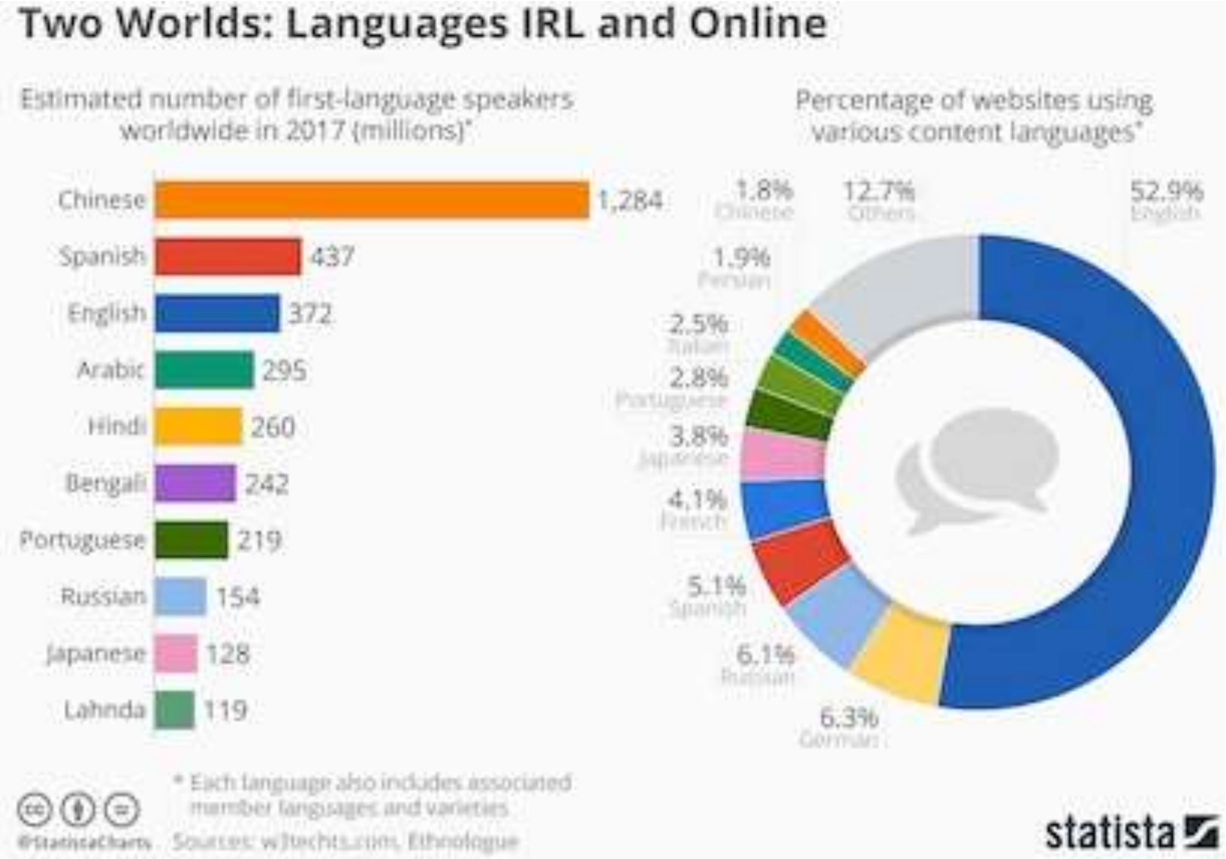
@justforstev24
STEVEN'S GEODATA RANKINGS GS

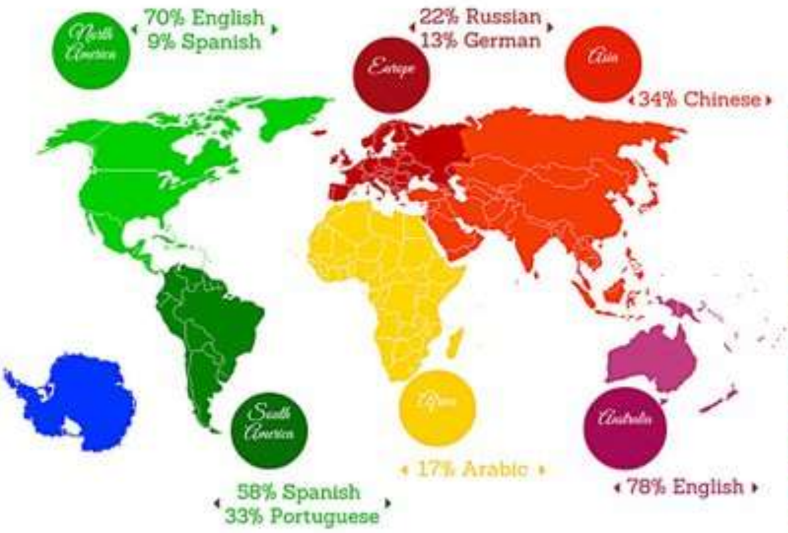
Credit @justforstev24
Source: Ethnologue, 2025

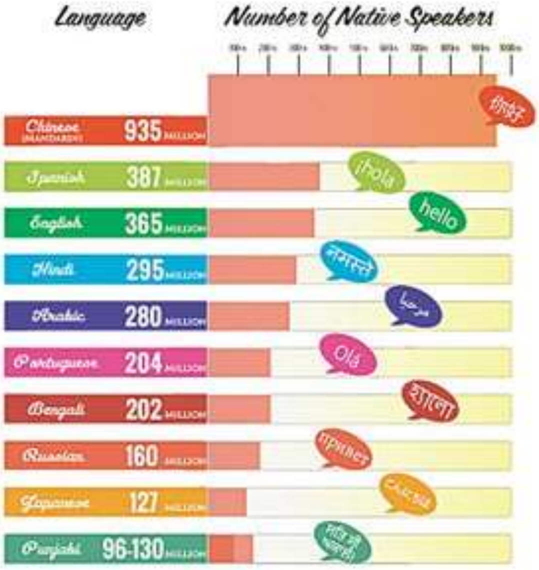

The Most Spoken Languages in Europe
by number of native speakers
Russian 1 106 M
German 2 97 M
French 3 81 M
Italian 4 65 M
English 5 63 M
Spanish 6 47 M
Polish 7 39 M
Ukrainian 8 33 M
Romanian 9 24 M
Dutch 10 22 M
VG
?
Русский
Deutsch
Français
English

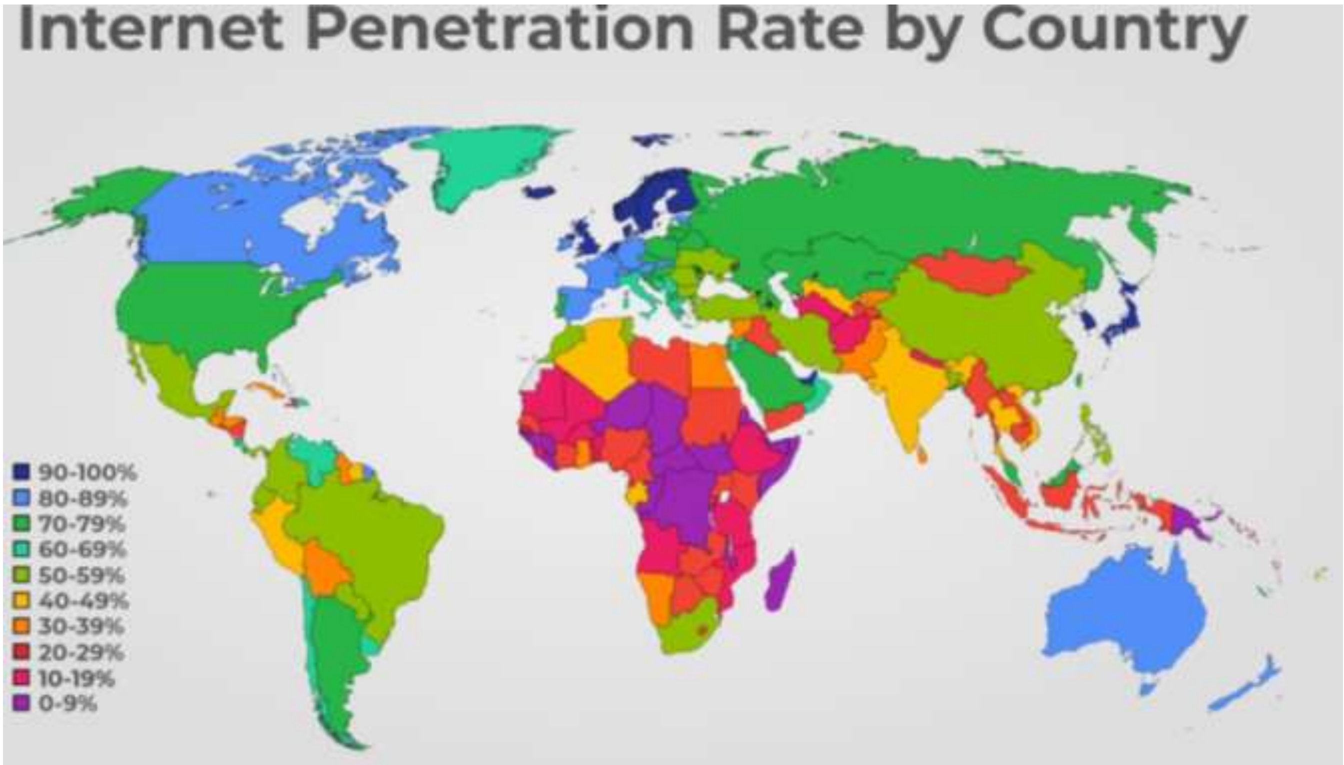
Ethnologue.

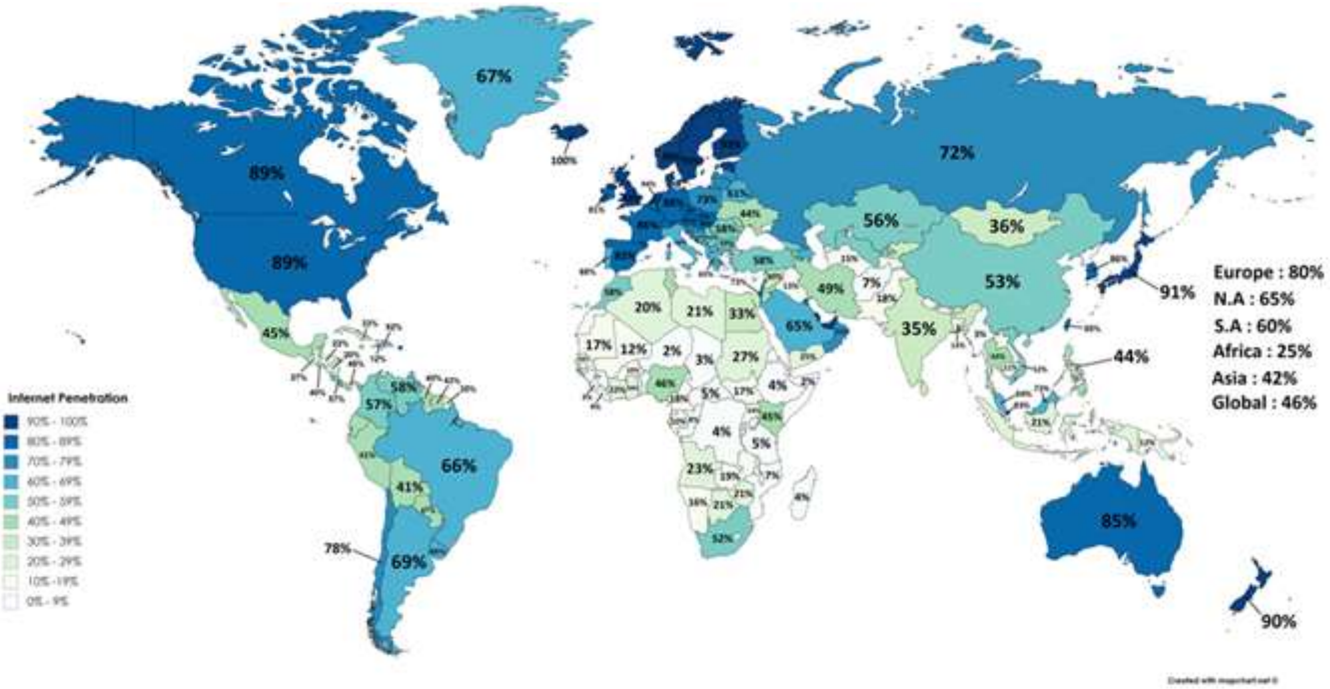
The **Interagency Language Roundtable Scale**, also known before as the **ILR,** is a language proficiency scale that is used to describe the language abilities of those native or non-native English speakers.




North America
70% English
9% Spanish
Europe
22% Russian
13% German
Asia
34% Chinese
South America
58% Spanish
33% Portuguese
Africa
17% Arabic
Australia
78% English




Internet Penetration Rate by Country
90-100%
80-89%
70-79%
60-69%
50-59%
40-49%
30-39%
20-29%
10-19%
0-9%


67%
100%
89%
89%
72%
56%
36%
53%
91%
45%
20%
21%
33%
65%
49%
7%
35%
17%
12%
2%
3%
27%
4%
46%
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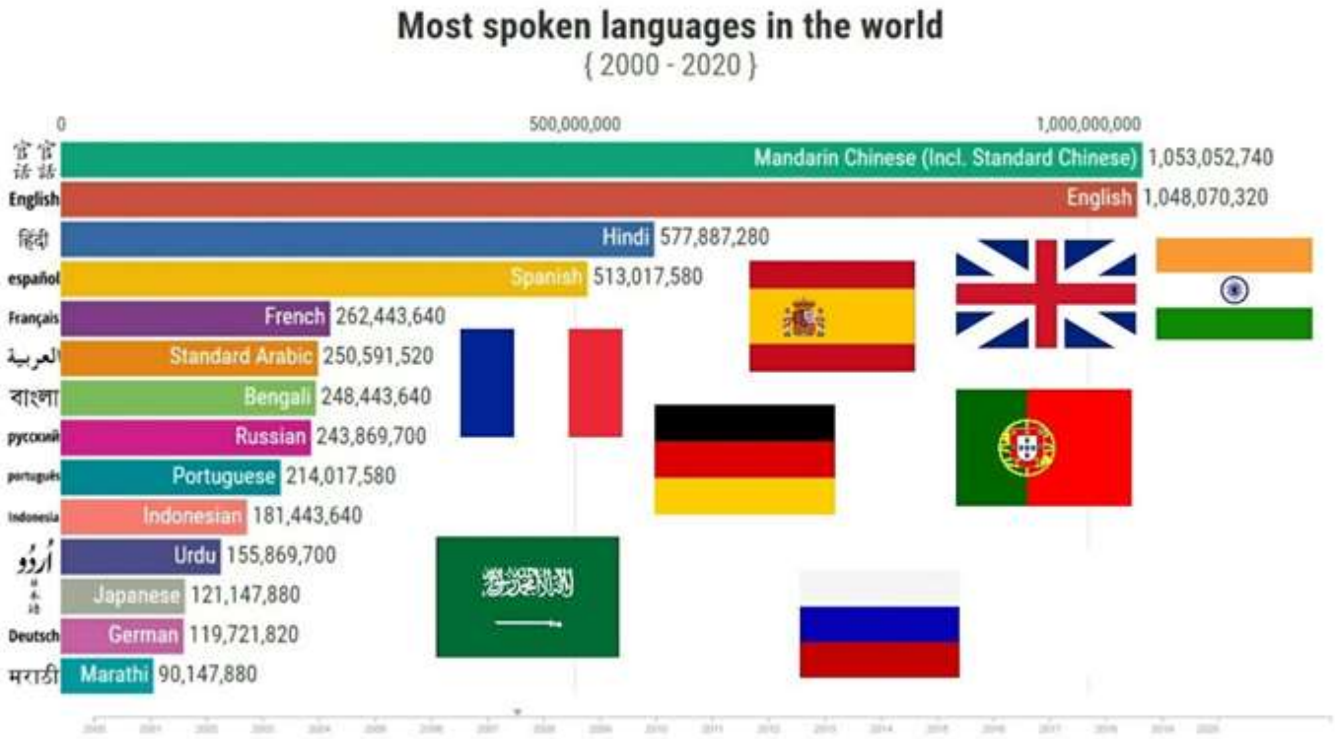
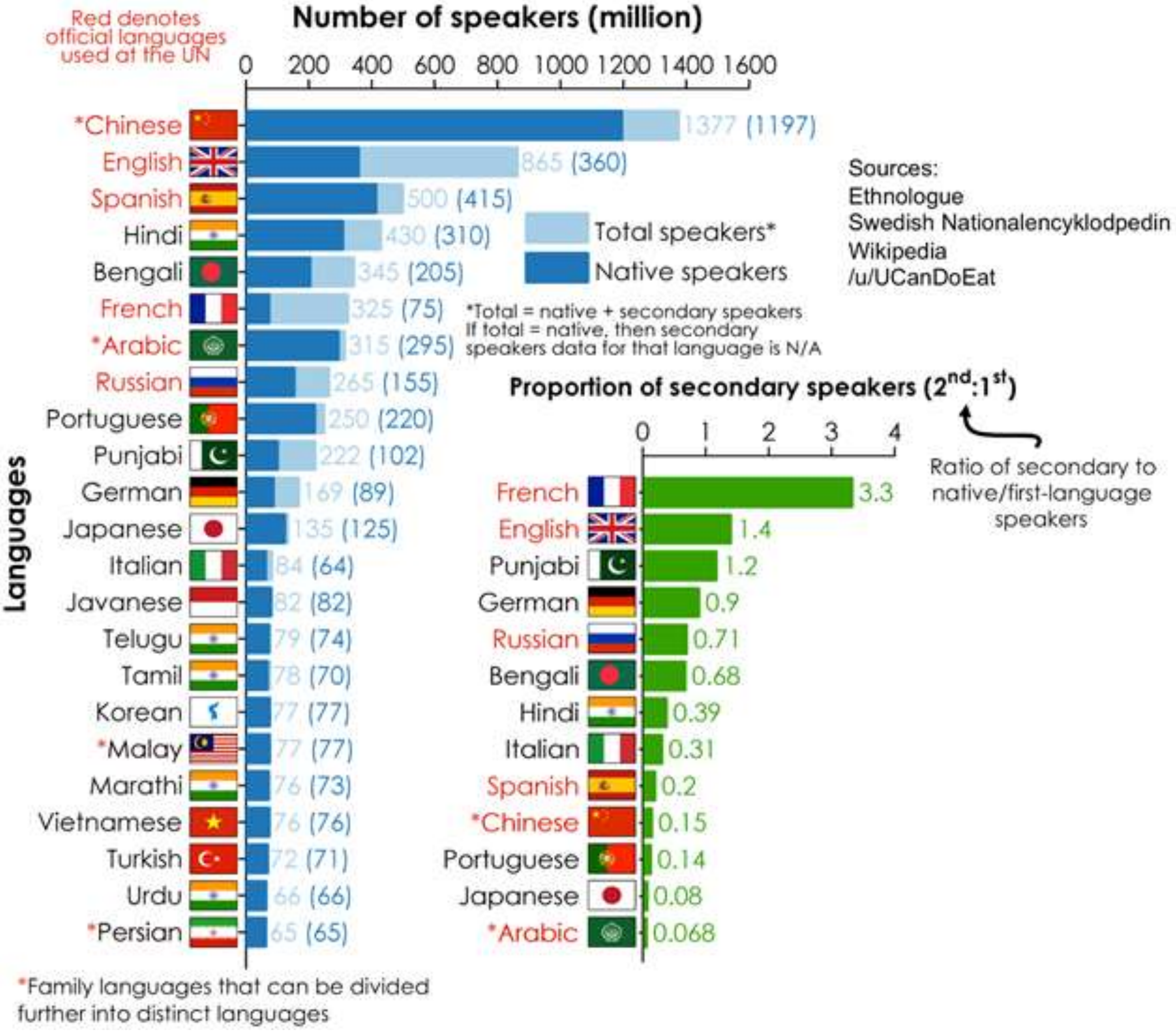
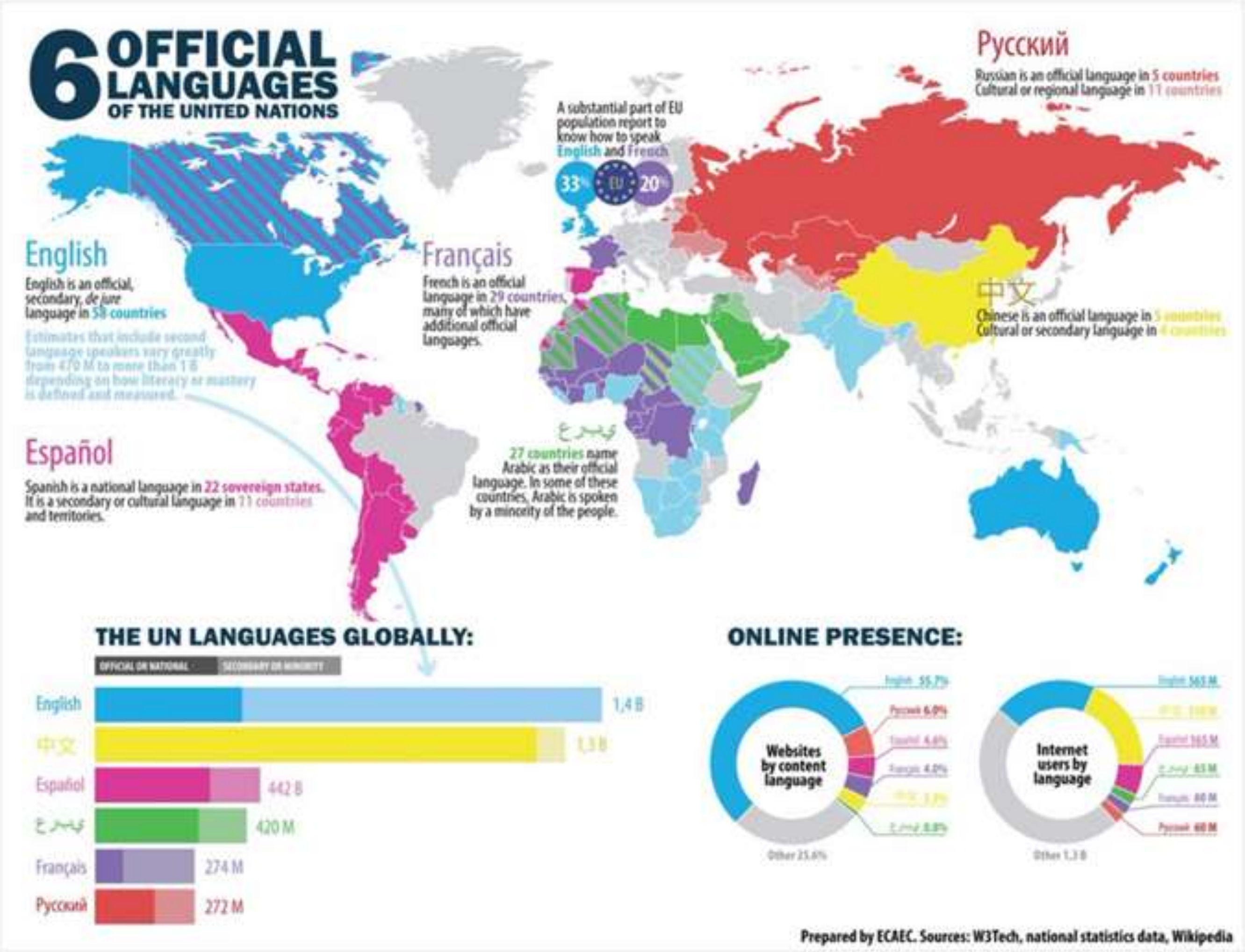
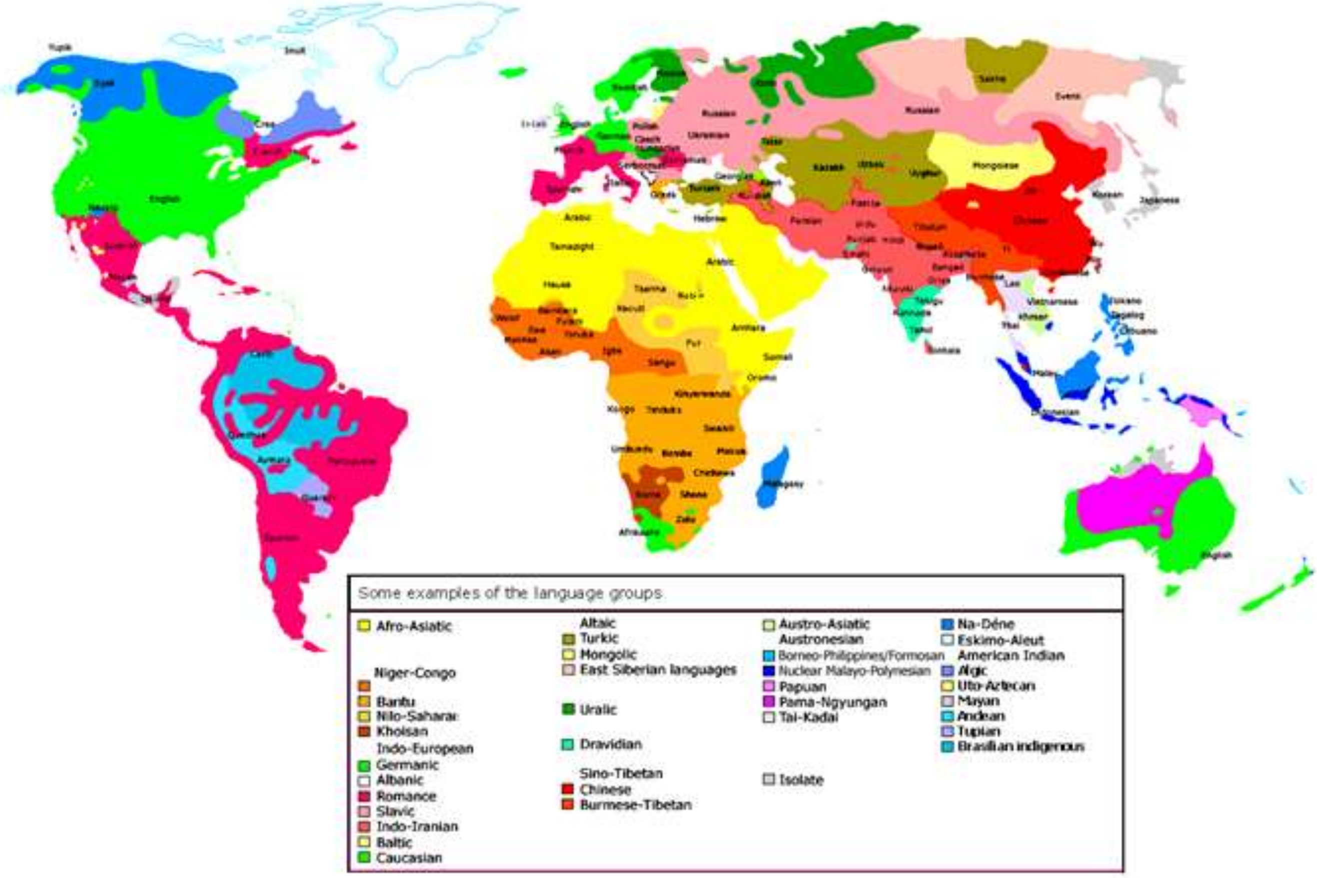
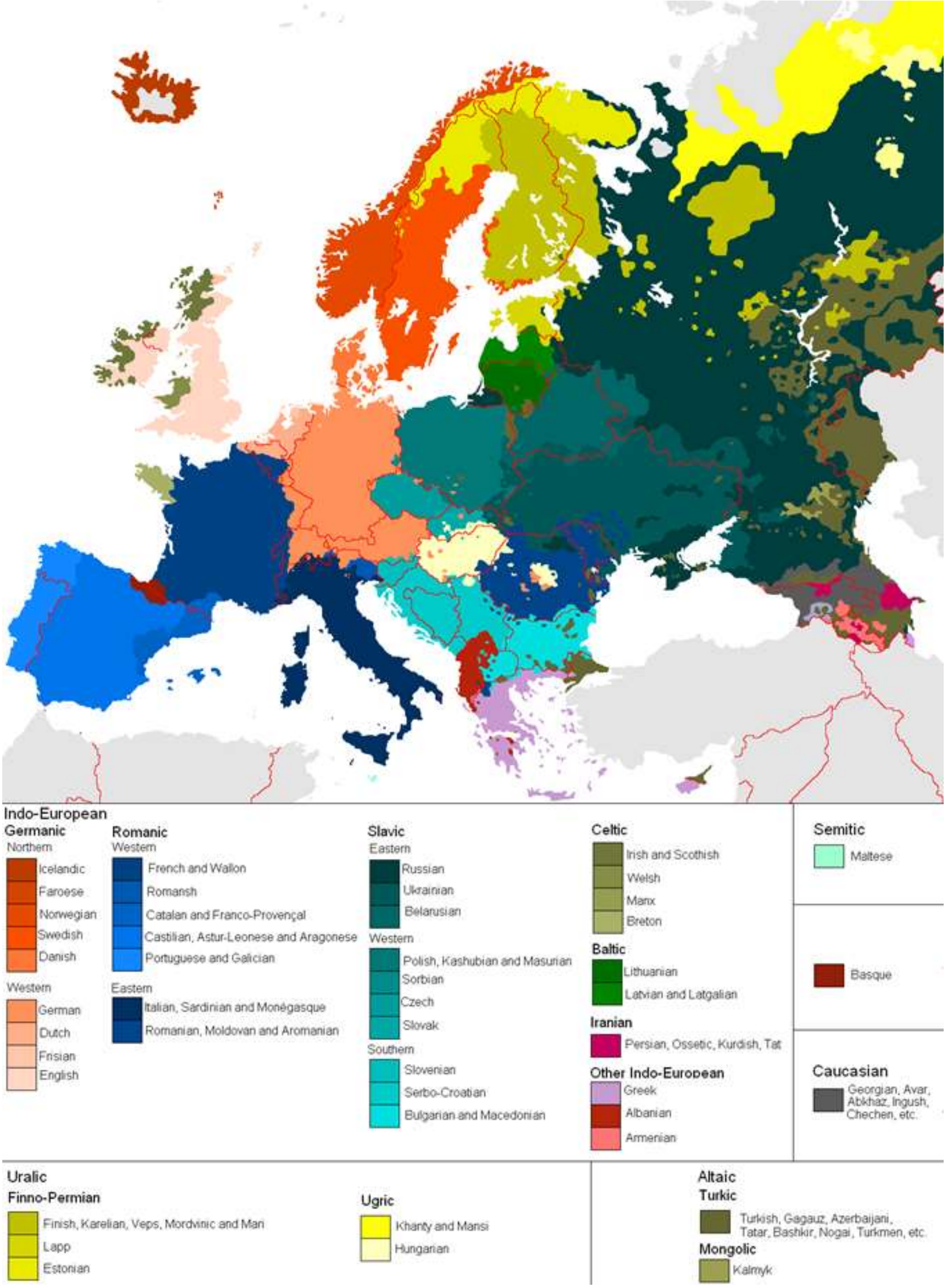
17%
45%
4%
5%
23%
19%
21%
7%
16%
21%
4%
52%
58%
57%
66%
41%
78%
69%
44%
85%
90%
Europe : 80%
N.A : 65%
S.A : 60%
Africa : 25%
Asia : 42%
Global : 46%
Internet Penetration
90% - 100%
80% - 89%
70% - 79%
60% - 69%
50% - 59%
40% - 49%
30% - 39%
20% - 29%
10% - 19%
0% - 9%
Created with mapchart.net ©

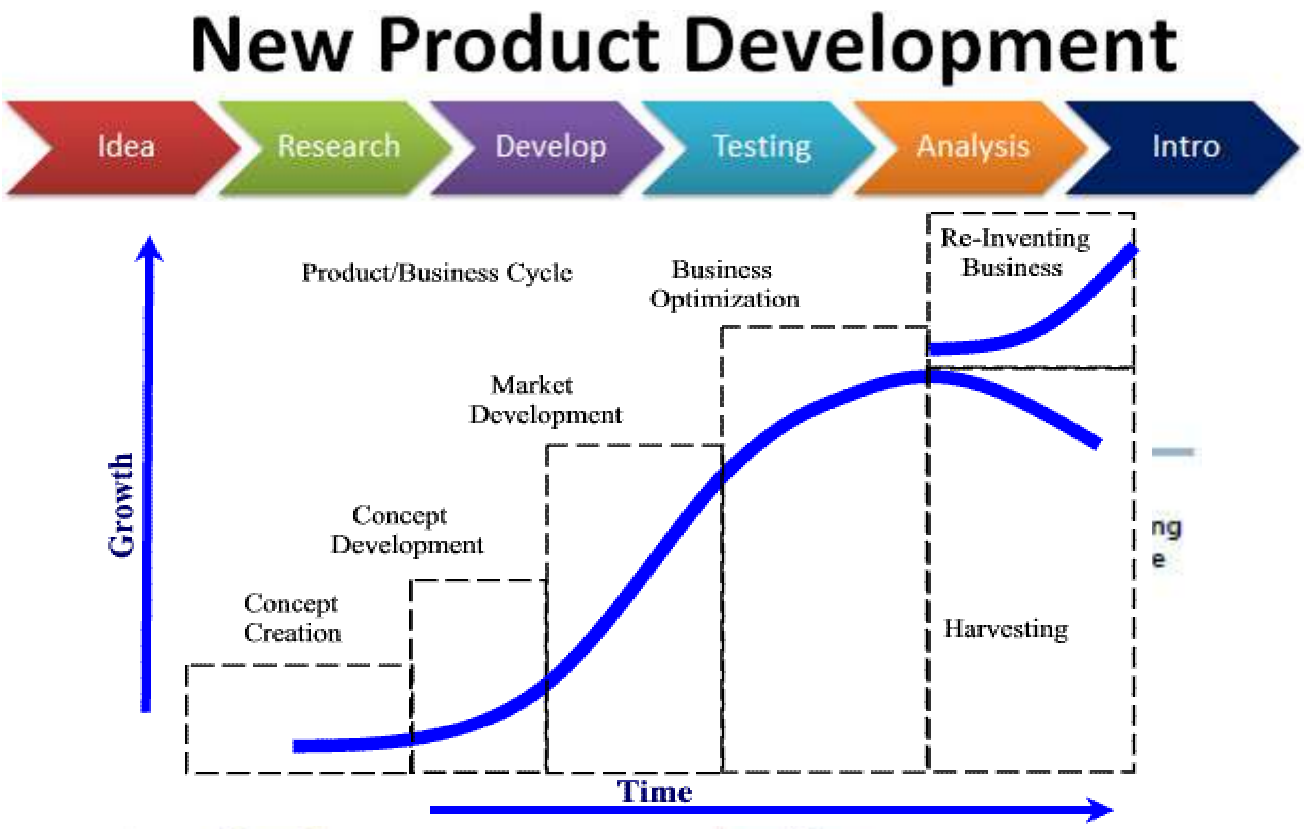

Most spoken languages in the world
{ 2000 - 2020 }
0
500,000,000
1,000,000,000
Mandarin Chinese (Incl. Standard Chinese) 1,053,052,740
English 1,048,070,320
Hindi 577,887,280
Spanish 513,017,580
French 262,443,640
Standard Arabic 250,591,520
Bengali 248,443,640
Russian 243,869,700
Portuguese 214,017,580
Indonesian 181,443,640
Urdu 155,869,700
Japanese 121,147,880
German 119,721,820
Marathi 90,147,880
官话
English
हिंदी
español
Français
العربية
বাংলা
русский
português
Indonesia
اُردُو
Deutsch
मराठी

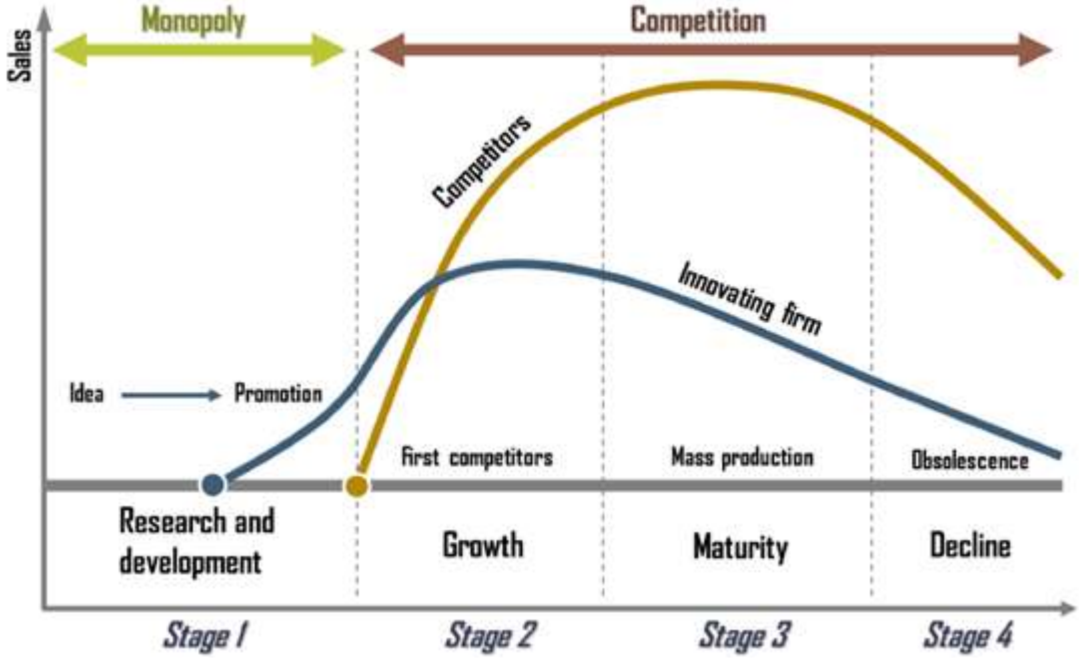

Red denotes official languages used at the UN
Number of speakers (million)
0 200 400 600 800 1000 1200 1400 1600
Languages
*Chinese 1377 (1197)
English 865 (360)
Spanish 500 (415)
Hindi 430 (310)
Bengali 345 (205)
French 325 (75)
*Arabic 315 (295)
Russian 265 (155)
Portuguese 250 (220)
Punjabi 222 (102)
German 169 (89)
Japanese 135 (125)
Italian 84 (64)
Javanese 82 (82)
Telugu 79 (74)
Tamil 78 (70)
Korean 77 (77)
*Malay 77 (77)
Marathi 76 (73)
Vietnamese 76 (76)
Turkish 72 (71)
Urdu 66 (66)
*Persian 65 (65)
Total speakers*
Native speakers
*Total = native + secondary speakers
If total = native, then secondary speakers data for that language is N/A
Sources:
Ethnologue
Swedish Nationalencyklodpedin
Wikipedia
/u/UCanDoEat
Proportion of secondary speakers (2nd:1st)
0 1 2 3 4
Ratio of secondary to native/first-language speakers
French 3.3
English 1.4
Punjabi 1.2
German 0.9
Russian 0.71
Bengali 0.68
Hindi 0.39
Italian 0.31
Spanish 0.2
*Chinese 0.15
Portuguese 0.14
Japanese 0.08
*Arabic 0.068
*Family languages that can be divided further into distinct languages

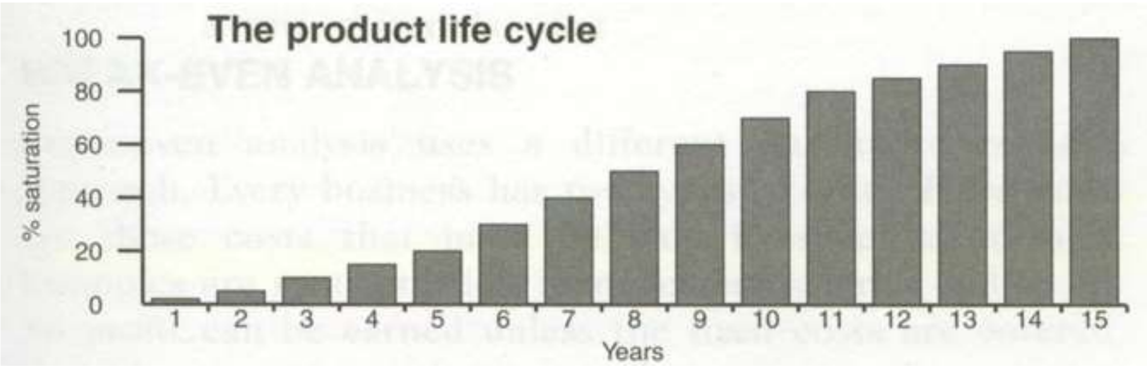

6 OFFICIAL LANGUAGES OF THE UNITED NATIONS
English
English is an official, secondary, de jure language in 58 countries
Estimates that include second language speakers vary greatly from 470 M to more than 1 B depending on how literary or mastery is defined and measured.
Français
French is an official language in 29 countries, many of which have additional official languages.
A substantial part of EU population report to know how to speak English and French
33%
EU
20%
Русский
Russian is an official language in 5 countries
Cultural or regional language in 11 countries
中文
Chinese is an official language in 5 countries
Cultural or secondary language in 4 countries
Español
Spanish is a national language in 22 sovereign states. It is a secondary or cultural language in 11 countries and territories.
عربي
27 countries name Arabic as their official language. In some of these countries, Arabic is spoken by a minority of the people.
THE UN LANGUAGES GLOBALLY:
OFFICIAL OR NATIONAL
SECONDARY OR MINORITY
English
1,4 B
中文
1,3 B
Español
442 B
عربي
420 M
Français
274 M
Русский
272 M
ONLINE PRESENCE:
Websites by content language
English 55.7%
Русский 6.0%
Español 4.6%
Français 4.0%
中文 3.3%
عربي 0.8%
Other 25.6%
Internet users by language
English 565 M
中文 510 M
Español 165 M
عربي 65 M
Français 80 M
Русский 60 M
Other 1,3 B
Prepared by ECAEC. Sources: W3Tech, national statistics data, Wikipedia

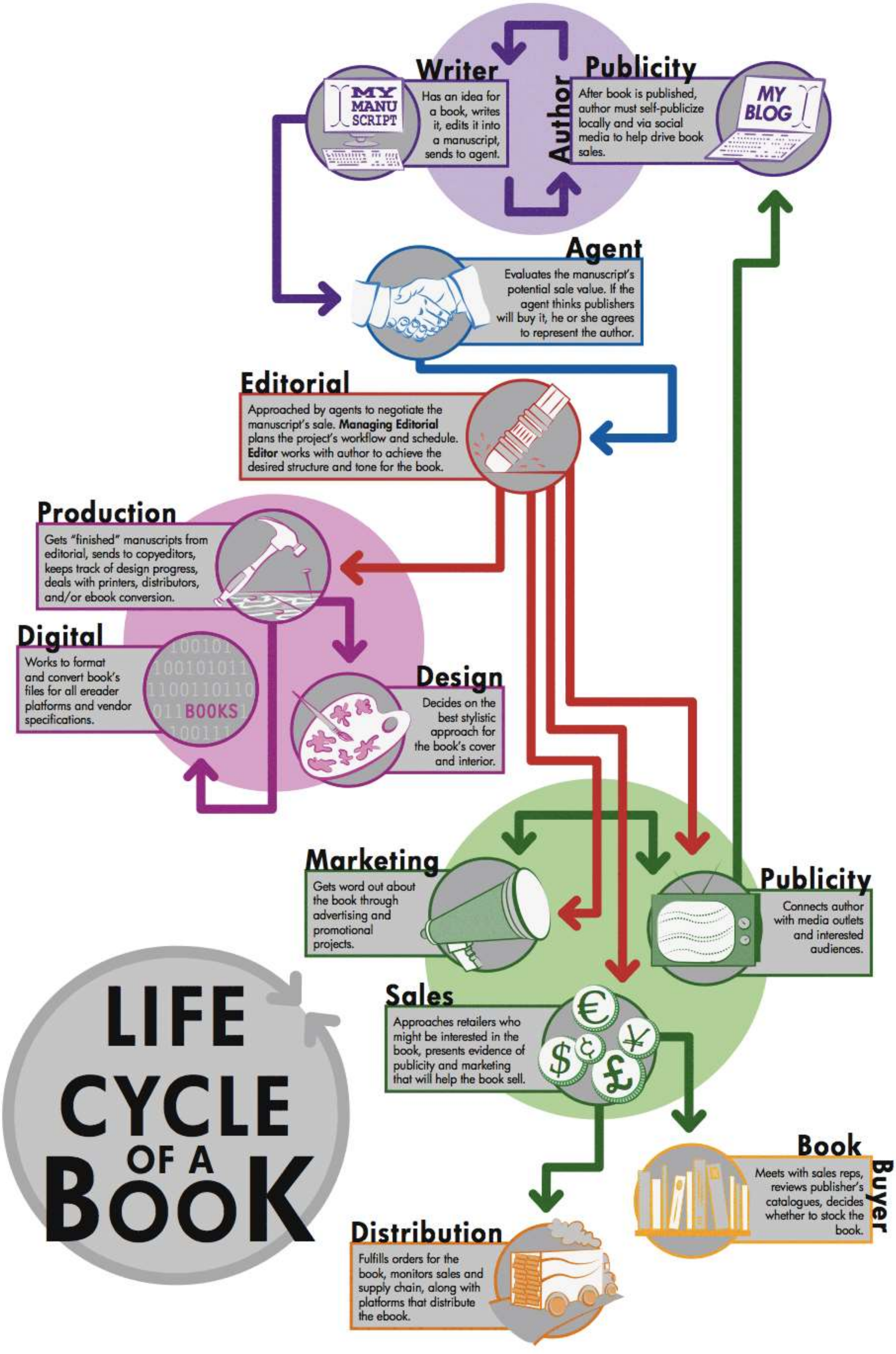

Some examples of the language groups
Afro-Asiatic
Niger-Congo
Bantu
Nilo-Saharan
Khoisan
Indo-European
Germanic
Albanic
Romance
Slavic
Indo-Iranian
Baltic
Caucasian
Altaic
Turkic
Mongolic
East Siberian languages
Uralic
Dravidian
Sino-Tibetan
Chinese
Burmese-Tibetan
Austro-Asiatic
Austronesian
Borneo-Philippines/Formosan
Nuclear Malayo-Polynesian
Papuan
Pama-Ngyungan
Tai-Kadai
Isolate
Na-Déne
Eskimo-Aleut
American Indian
Algic
Uto-Aztecan
Mayan
Andean
Tupian
Brasilian indigenous


Indo-European
Germanic
Northern
Icelandic
Faroese
Norwegian
Swedish
Danish
Western
German
Dutch
Frisian
English
Romanic
Western
French and Wallon
Romansh
Catalan and Franco-Provençal
Castilian, Astur-Leonese and Aragonese
Portuguese and Galician
Eastern
Italian, Sardinian and Monégasque
Romanian, Moldovan and Aromanian
Slavic
Eastern
Russian
Ukrainian
Belarusian
Western
Polish, Kashubian and Masurian
Sorbian
Czech
Slovak
Southern
Slovenian
Serbo-Croatian
Bulgarian and Macedonian
Celtic
Irish and Scottish
Welsh
Manx
Breton
Baltic
Lithuanian
Latvian and Latgalian
Iranian
Persian, Ossetic, Kurdish, Tat
Other Indo-European
Greek
Albanian
Armenian
Semitic
Maltese
Basque
Caucasian
Georgian, Avar, Abkhaz, Ingush, Chechen, etc.
Uralic
Finno-Permian
Finish, Karelian, Veps, Mordvinic and Mari
Lapp
Estonian
Ugric
Khanty and Mansi
Hungarian
Altaic
Turkic
Turkish, Gagauz, Azerbaijani, Tatar, Bashkir, Nogai, Turkmen, etc.
Mongolic
Kalmyk


New Product Development
Idea
Research
Develop
Testing
Analysis
Intro
Growth
Product/Business Cycle
Concept Creation
Concept Development
Market Development
Business Optimization
Re-Inventing Business
Harvesting
ng
e
Time


Sales
Monopoly
Competition
Competitors
Innovating firm
Idea
Promotion
First competitors
Mass production
Obsolescence
Research and development
Growth
Maturity
Decline
Stage 1
Stage 2
Stage 3
Stage 4


The product life cycle
% saturation
100
80
60
40
20
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
Years



LIFE CYCLE OF A BOOK

Author

Writer
Has an idea for a book, writes it, edits it into a manuscript, sends to agent.

Publicity
After book is published, author must self-publicize locally and via social media to help drive book sales.

Agent
Evaluates the manuscript's potential sale value. If the agent thinks publishers will buy it, he or she agrees to represent the author.

Editorial
Approached by agents to negotiate the manuscript's sale. **Managing Editorial** plans the project's workflow and schedule. **Editor** works with author to achieve the desired structure and tone for the book.

Production
Gets "finished" manuscripts from editorial, sends to copyeditors, keeps track of design progress, deals with printers, distributors, and/or ebook conversion.

Digital
Works to format and convert book's files for all ereader platforms and vendor specifications.

Design
Decides on the best stylistic approach for the book's cover and interior.

Marketing
Gets word out about the book through advertising and promotional projects.

Publicity
Connects author with media outlets and interested audiences.

Sales
Approaches retailers who might be interested in the book, presents evidence of publicity and marketing that will help the book sell.

Book Buyer
Meets with sales reps, reviews publisher's catalogues, decides whether to stock the book.

Distribution
Fulfills orders for the book, monitors sales and supply chain, along with platforms that distribute the ebook.

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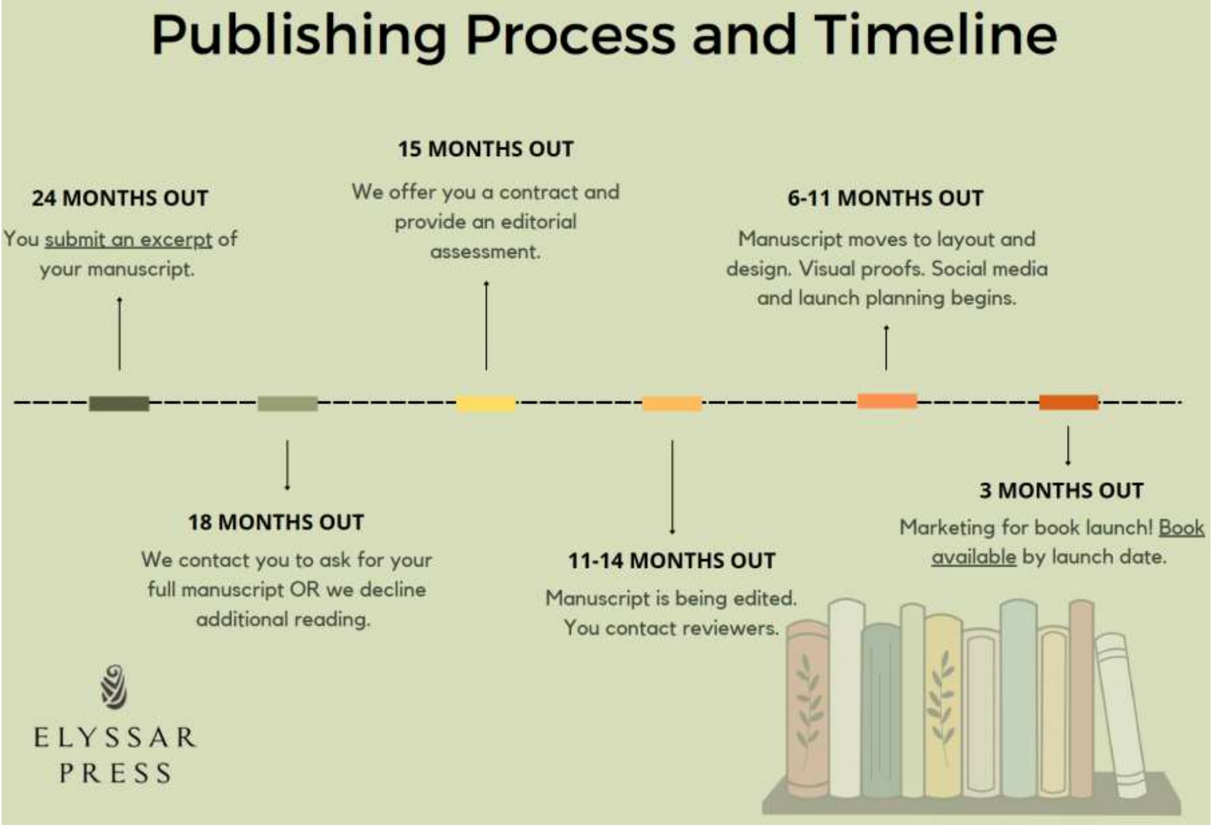


Publishing Process and Timeline

24 MONTHS OUT
You submit an excerpt of your manuscript.

18 MONTHS OUT
We contact you to ask for your full manuscript OR we decline additional reading.

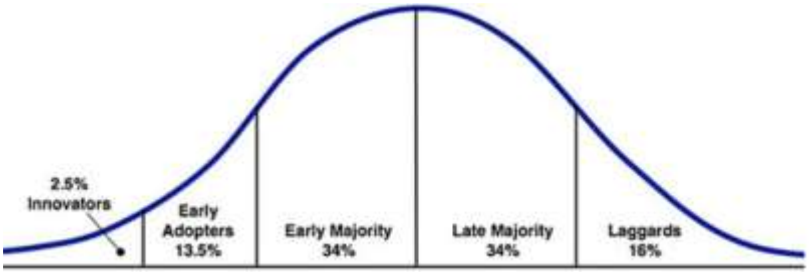
15 MONTHS OUT
We offer you a contract and provide an editorial assessment.

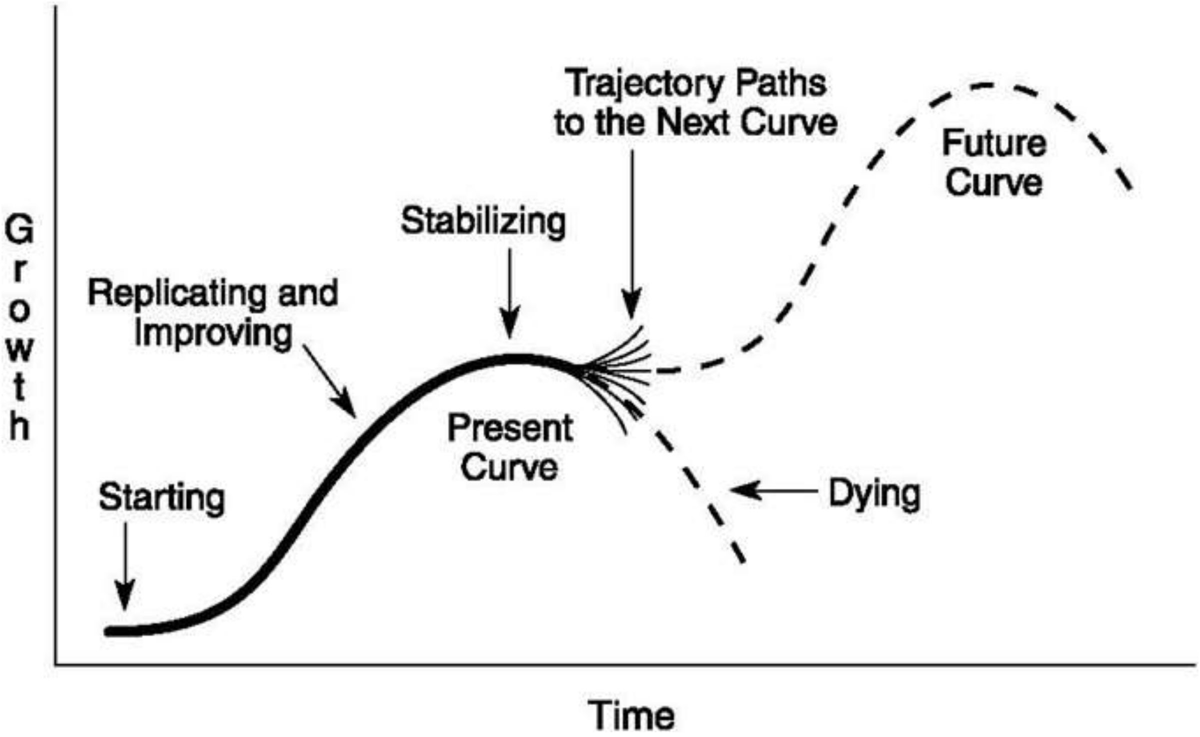
11-14 MONTHS OUT
Manuscript is being edited. You contact reviewers.

6-11 MONTHS OUT
Manuscript moves to layout and design. Visual proofs. Social media and launch planning begins.

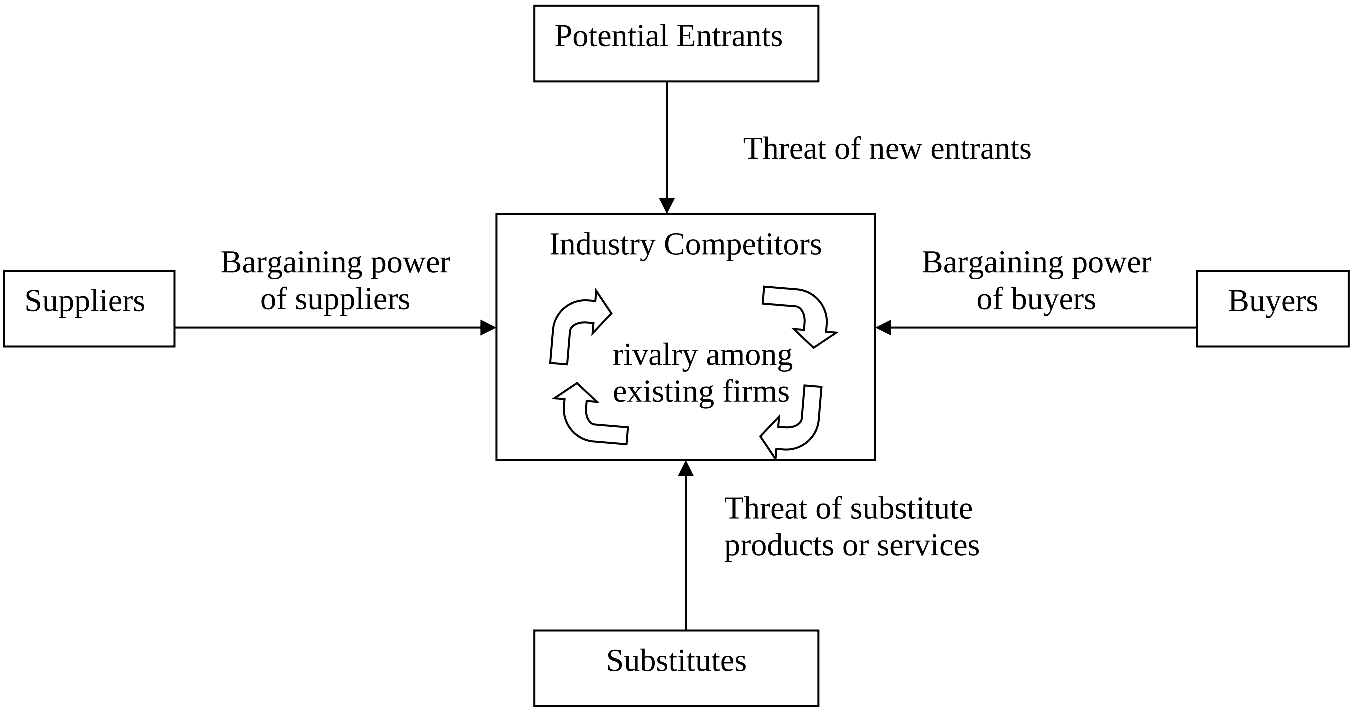
3 MONTHS OUT
Marketing for book launch! Book available by launch date.

ELYSSAR
PRESS




Growth
Starting
Replicating and
Improving
Stabilizing
Trajectory Paths
to the Next Curve
Present
Curve
Future
Curve
Dying
Time

FIVE-FACTOR INDUSTRY PORTER MODEL:


Potential Entrants
Threat of new entrants
Suppliers
Bargaining power of suppliers
Industry Competitors
rivalry among existing firms
Bargaining power of buyers
Buyers
Threat of substitute products or services
Substitutes

BARGAINING POWER –

1. RELATIVE FRAGMENTATION OF BUYERS AND SELLERS

In the early phases of entering the publications, being in multiple formats, in to circulation, the profound dynamics of what is being revealed may be difficult for many people to comprehend and grasp. Different communities and cultures, with their ethnic diversities and customs may all need to be embraced specifically when approaching them with the material.

2. SIGNIFICANCE OF PURCHASE AS A PROPORTION OF THE TOTAL EXPENDITURE

For those who have internet access, then the publications are free. Where the publications are in hard copy form, then the costs will approximate that of comparable publications. Educational services may correspond with local budgeting platforms.

3. PRODUCT STANDARDISATION OR DIFFERENTIATION

The product is a new way of living. These revelations are in stark contrast to what humanity has embraced for the past 200,000 years. However, it is only through embracing this new way of living that what ails society and appears unresolvable can be addressed.

4. COSTS OF SWITCHING TO ANOTHER SUPPLIER

Book printing may be sourced in most countries and from many printing houses.

5. IMPORTANCE OF QUALITY OF THE PRODUCT TO THE BUYER

It is important that the publications remain attractive in presentation and be enjoyed by many readers. Publications are to be expected to remain within families for many generations.

6. INFORMATION AVAILABLE FOR THE BUYER ABOUT THE SUPPLIER

The history of how this event of high level spirit revelations is to be openly available. For the researcher, archive records will be available.

THE THREAT OF NEW ENTRANTS OR SUBSTITUTES –

Those who seek to copy and replicate will be welcomed and assisted.

Those who seek to distort, will find the body of records – more than 75,000 pages – difficult to dispute.

COMPETITIVE RIVALRY –

1. NUMEROUS OR EQUALLY BALANCED COMPETITORS

The World's 50,000 religions have all embraced the mind way, taking humanity away from God. Some will embrace these revelations, but most will resist.

2. SLOW INDUSTRY GROWTH

People do not welcome change. This will take all of the Avonal Age of 1,000 years.

3. HIGH FIXED OR STORAGE COSTS

Security of the original records is important to avoid manipulation for alternative purposes.

4. LACK OF DIFFERENTIATION OR SWITCHING COSTS

These publications are profoundly unique.

5. CAPACITY AUGMENTED IN LARGE INCREMENTS

All of humanity is to have access to these publications.

6. DIVERSE COMPETITORS (some without the profit motive)

Many may resists and push back against the New Feelings Way until they realise that it is the only way.

7. HIGH STRATEGIC STAKES

Should humanity continue as it is, it will destroy itself. This is not being allowed.

8. HIGH EXIT BARRIERS (low liquidation values of fixed assets, long-term labour contracts, emotional barriers, government restrictions)

Pascas is to stay the course and deliver.

PASCAS FOUNDATION'S PROGRAM:

VISION STATEMENT:

Our vision is to:

The New Way: Learning how to live true to ourselves by living true to our feelings.

By living true to ourselves, true to our feelings, we are living true to God. It's that simple.

HISTORY:

John Doel could say he has been on these straight and narrow tram tracks since conception. Those participating in the formation of this event could say the same thing. This is an event in history not surpassed for humanity at any other time. It is being driven by a cast of billions from the unseen to the seen.

THE TEAM:

In the physical it is a small number, a handful. However, there is a Council of Elders in the Celestial Heavens and that consists of one soulgroup at its centre with around twenty soulgroups assisting. A soulgroup consists of 24 personalities, 12 soul-partner pairs. A Council of Elders will emerge in the physical – being those who complete their personal Feeling Healing.

The team will grow in a manner that enables the fulfilling of the agenda at hand.

LAYERS of MANAGEMENT – REFLECTING the ORGANISATION CHART:

ORGANISATION CHART – LAYERS of MANAGEMENT – TEAM STRUCTURES	
Layer 1	Chief Executive Team – Board of Directors – Council of Elders; physical and in spirit
Layer 2	Commercial Manager – Information Technology – Marketing – Public Relations – Media – Financial Controller – Personnel – Quality Control.
Layer 3	Managers: – Business Development – Group Marketing – Sales Domestic – Sales International – Communications – Information Technology IMS – Technical Engineer – Purchasing / Stock Control – General Administration – Maintenance Engineer – Dispatch & Stores – Supervisors: Production Divisions – New Technology – Work Place & Safety
Layer 4	Process Technicians: Team Leaders Proof Reading Teams – Translations and Foreign Language Proof Teams – Audio Publications – Braille Publications – Film Productions – Curriculum Development – Public Presentations – Administration Support Staff

TEAM STRUCTURES WILL ENCOMPASS ALL LEVELS

BUSINESS MODEL:

Pascas Foundation is an information entity. It is a not-for-profit, a registered charity, it has no ownership, it is here for the benefit of all of Earth's humanity. It has no hierarchy and controlling features – it is not a religion – you cannot join it. It does have members, as it is a company limited by guarantee and needs to fulfil statutory obligations as well as appoint directors and a secretary.

It has a focus on the niche market for the provision of publications in multiple languages so that it can reach into every community within every country around the world. The material that is available for publication is extensive. Much may be archived for subsequent access by researchers. The major writings are to be published in all the significant languages of the world and in numerous formats.

Book publication will be complemented by eBook availability on the internet. Books in print format are to range from heirloom quality to paperback. These will be supported by audio books and books in Braille. Audio visual publications are to range from blockbuster movies down to documentary clips. All of which are to be in multiple languages.

School curriculum development will be with the involvement of members of the communities for which the curriculum may be implemented. It is to focus on the needs of the community while introducing the new way of living – New Feelings Way.

Pascas Foundation's business model requires each of the following components:

- Secure websites with visitor options of multiple languages, search and find, download of library documents, again in multiple languages, and connectivity back to help facilities of Pascas.
- Simplification of introductory material.
- Recognition of "communities" and “individuals” who may welcome the awareness of the revelations and guidance.
- Feedback from individuals and communities to assist in developing appropriate interaction.
- Recognition of individuals who may be seeking answers contained within the publications and who are unaware of the availability of such truths.
- As of a whole, what is being provided is to be free. Books do have physical costs which include the printing and making of the books, distribution costs, and retailers margins, typical pricing will apply.
- Removing errors which are typically of a typo nature is an ongoing focus.
- Pascas Foundation is not of a controlling nature or authoritarian in any way.
- The establishment of Paradise Villages may be several and in different countries. These will be for communities up to 1,000 people including the children. These will be for those who wish to fully commit to the Feeling Healing and the New Feelings Way of living.

The business model has as its core component an insurmountable volume of truth. Nothing like this has ever been revealed before. This may be compared to an event that took place 2,000 years ago, however the writings then were in the sand, so to speak, and that was after the commencement of public ministry. What Pascas Foundation is now introducing is 75,000 pages of writing and the public work and dissemination is yet to begin!

PARADISE VILLAGE:

ParadiseVillage - New Feelings Way

A Paradise Village, conceptually, is to provide a living environment for a population of no more than 1,000. This being from single individuals to families. Thus, children may require schooling and school facilities within the village. Opportunities to generate income throughout the village are to be facilitated. In this regard, a rural setting would be in contrast to a suburban setting.

Worldwide, a number of Paradise Villages may evolve as more and more people look to the support of being a member of a small community, so as to be able to fully immerse themselves in their Feeling Healing. If you are truly living Feelings First, then you are fully engaged in your Feeling Healing and that requires a complete focus upon your feelings and traditional work and employment is improbable.

Kooralbyn is a rural locality in the Scenic Rim Region, Queensland, Australia. In the 2016 census, Kooralbyn had a population of 1,725 people. Kooralbyn (postcode 4285) is located within a hinterland valley, 64km south west of Brisbane. Kooralbyn is a predominantly rural area which is increasingly being developed as a tourist destination. Various major roads provide access to Kooralbyn, with infrequent bus services also providing public transport to the region. Travel time to Kooralbyn from both Brisbane and the Gold Coast (Surfers Paradise) is approximately 75 minutes**.** Elevation above sea level is 100 metres plus.

Cannon Creek property is of 2,887 acres (1,168.534 hectares) consisting of 9 parcels of land without any buildings thereon. The property is undulating to hilly, lending itself to the building of large water storage facilities and subsequently intensive agriculture pursuits after significant soil improvement. Housing accommodation can be developed within the site.

The Kooralbyn Valley Resort Hotel has 100 rooms with potential for a further 200 rooms. Should this property become available on the market, then it would facilitate as adjunct accommodation for the Paradise Village. It has a large ballroom come conference facilities that can have multiple uses.

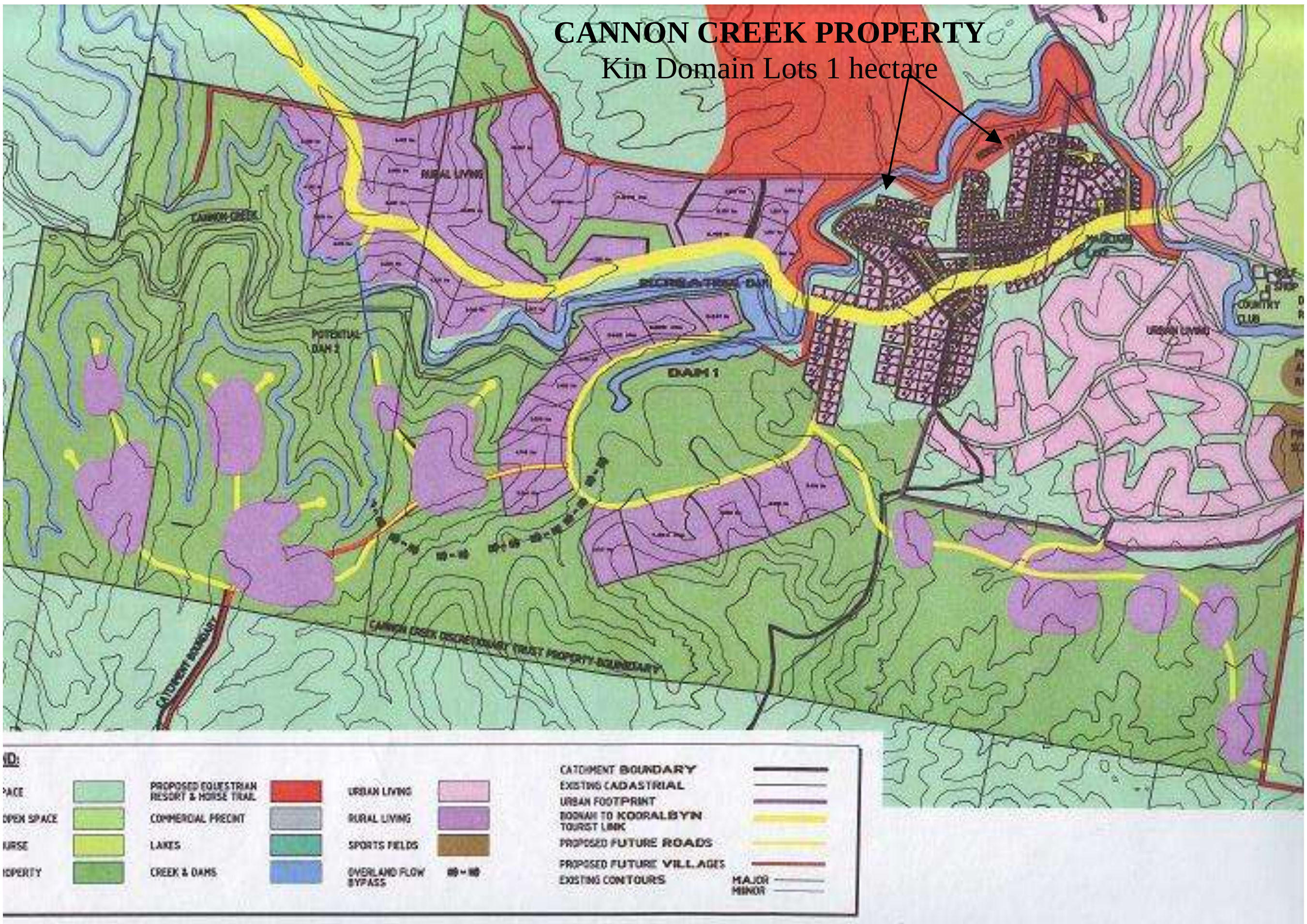
The **Kooralbyn International School** is now owned by a private school group. Arrangements could be considered for curriculum adjustments or Paradise Village may establish its own school.

The establishment, structuring and operation of each Paradise Village will be a unique endeavour on each occasion. Each village is to be independent of the others. India and Kenya are likely locations for subsequent projects.

THE KOORALBYN

BRISBANE
IPSWICH
BEENLEIGH
Beaudesert
Boonah
Kooralbyn
SURFERS PARADISE
Samford
Fernvale
Rosewood
Peak Crossing
Harrisville
Jimboomba
Tamborine Village
Canungra
Mt Tamborine
Nerang
Rathdowney
Woodenbong
N.S.W.

CANNON CREEK PROPERTY
Kin Domain Lots 1 hectare


RURAL LIVING
CANNON CREEK
RECREATION DAM
POTENTIAL DAM 2
DAM 1
URBAN LIVING
COUNTRY CLUB
CATCHMENT BOUNDARY
CANNON CREEK DISCRETIONARY TRUST PROPERTY BOUNDARY
ND:
PACE
OPEN SPACE
URSE
OPERTY
PROPOSED EQUESTRIAN RESORT & HORSE TRAIL
COMMERCIAL PRECINT
LAKES
CREEK & DAMS
URBAN LIVING
RURAL LIVING
SPORTS FIELDS
OVERLAND FLOW BYPASS
CATCHMENT BOUNDARY
EXISTING CADASTRIAL
URBAN FOOTPRINT
BOONAH TO KOORALBYN TOURIST LINK
PROPOSED FUTURE ROADS
PROPOSED FUTURE VILLAGES
EXISTING CONTOURS
MAJOR
MINOR

ACTION PLAN:

MISSION STATEMENT

Golden Rule: One must always honour another's will as one honours one's own.

Never interfere with another's will.

STRATEGY ONE	STRATEGY TWO
Bring core writings to print ready status in the English language. Website development to be comprehensive. Commence the book printing process. Film and audio-visual preparations commenced. Paradise Village site acquired.	Commence the translation of print ready material into multiple languages. Proof reading of translated material to print ready status of translated books. Bring awareness to interest groups throughout organisations and communities worldwide.

AWARENESS INTRODUCTION	PUBLICATIONS PRODUCTION	PERSONNEL	DEVELOPMENT
1. Establish process. 2. Commence refinement of communications.	1. Establish central administration. 2. Outsource printing.	1. Engage proof readers English. 2. Engage translators / proof readers.	1. Information Technology engaged. 2. Refinement of focus.

VISION STATEMENT

The New Way: Learning how to live true to ourselves by living true to our feelings.

By living true to ourselves, true to our feelings, we are living true to God. It's that simple.

STRATEGY:

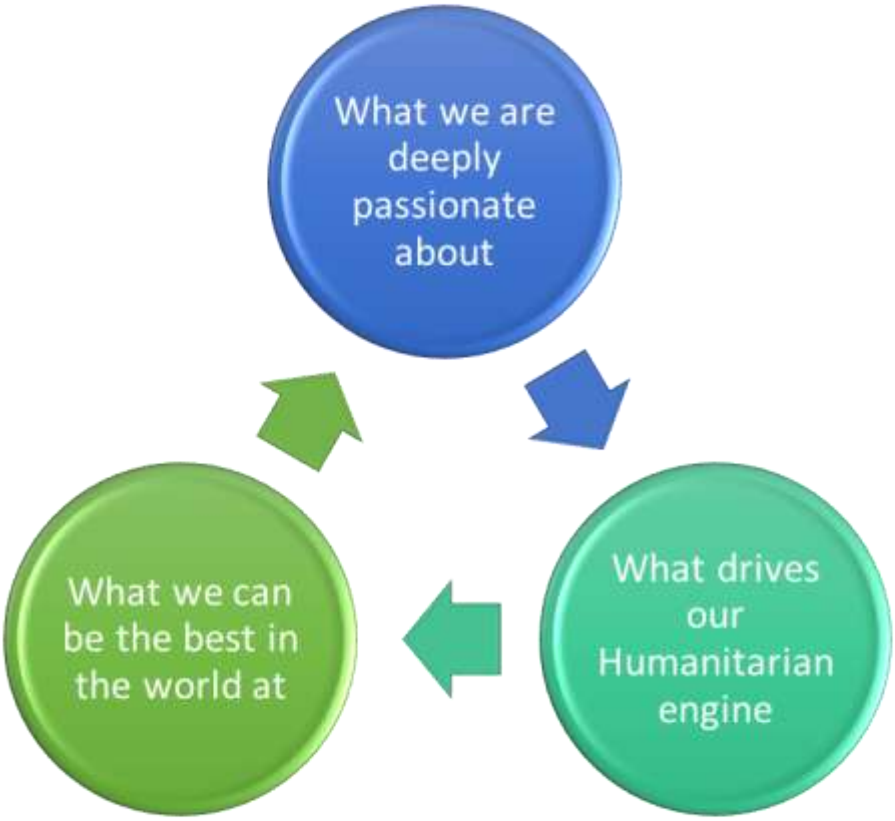
Pascas Foundation is to freely share the guidance and revelations that have been provided and subsequently assembled by it. There is no obligation or expectation of recipients. It is simply a matter of enabling a person in any position of life, culture, environment and living to have the opportunity to consider what has been revealed.

You could say that this is Pascas' obligation, but it is not even that. Neither is it Pascas' duty.

This is a wonderful gift of Truth which has been assembled with the most loving care and accuracy that it deserves, and it is now to be openly shared through all the media options that are available. Once accomplished on a global scale, then Pascas Foundation may find its task completed. We doubt that will be so.

Pascas Foundation will remain available to assist those who enquire and look for further understanding. This may be Pascas' destiny for all of the coming Avonal Age of 1,000 years.

PASCAS FOUNDATION focuses upon:


What we are deeply passionate about
What drives our Humanitarian engine
What we can be the best in the world at

KEY DRIVERS for PRODUCT MARKET UPTAKE:

Key drivers for the uptake of the guidance and revelations include:

- Increased user adoption of Internet for personal and educational use as more and more regions have services and others improve.
- Increase in telecommuting and audio-visual services, such as teleconferencing.
- Increased adoption of next generation services (Application Service Providers, Network infrastructure Management Services, Managed Service Providers, Network Storage, IP Telephony).
- Compelling content for residential users – streaming media, eLearning and eBooks.
- Migration away from Narrowband solutions (ISDN and leased lines) to higher bandwidth solutions around the world.
- Uncapping of current downstream bandwidth restrictions.
- Increase in competitive market place.
- Increase in available international bandwidth due to cabling from cross border cable connection.
- Federal Government, State Government and Local Government policy of countries. These, on a global review, appear to become more controlling and restrictive.
- The distribution of hard-copy publications being opened up to more and more markets.
- The preparation and distribution of material that is tailored to comply with local customs and authoritarian constraints.
- The introduction of the New Way of Living being embraced through education curriculum.
- Focus groups emerging.
- Early adopters taking initiatives to lead the dissemination of these revelations.
- General participation in discussions and presentations as and when openings and opportunities occur.
- It may be a haphazard evolving opening up of awareness, the timing is not ours, the timing is that of the soul of each individual and it will be each individual's soul that will prompt the interest – not Pascas.

Internet
Viral
Links
Adwords
Blog
Campaign
Forum
DIGITAL marketing
Followers
Website
Like
Media
Mail
Network
Seo

GOALS & MILESTONES SCHEDULES:

SHORT TERM GOALS Year 1

- √ Consolidate our administration team.
- √ Establish our quality for our products and services.
- √ Establish that our Corporate Shared Values positions us as an EXCELLENT FOUNDATION.
- √ Meet our milestones and exceed our goals, with reasonable expectations.
- √ Identify specific connectivity strategies for publications.
- √ Monitor expectations and appreciation levels of those who we connect up with.
- √ Monitor and review products and services in response to customer issues.
- √ Develop complementary products to grow connectivity.

MEDIUM TERM GOALS Years 2 - 4

- √ Continue with the establishment of global awareness of the guidance and revelations.
- √ Fully establish the distribution systems to universities, libraries and educational institutions around the world.
- √ Establish global market pathways and outlets for all printed and supplementary publications.
- √ Maintain budget stability.
- √ At all times understand the objectives of the Foundation.

LONG TERM GOALS Years 5 - 6

- √ Possibly achieve a cash flow break-even.
- √ From then on, maintain a positive cash flow.
- √ Move more into a supportive role for those who have embraced the guidance and revelations.

	MILESTONES	**IN MONTHS**
1.	Achieve objectives as set out in the financial feasibility.	
2.	Administration team formalised – including Information Technology team.	2
3.	Proof reading and translation teams bedded in.	3
4.	Relationship / connectivity plan finalised, costed, approved and implemented.	3
5.	Education curriculum team structures and objectives set.	3
6.	Release publications as they become ‘print ready’.	
7.	Finalise what is to be published and what is to be archived.	4
8.	Format publication range, resolved with a program of priorities.	6
9.	Education curriculum team structures and objectives set.	6
10.	Paradise Sanctuary Village site acquisition accomplished.	6

Key Performance Indicators (KPIs) based on Critical Success Factors (CSFs)

CSFs	KPIs
Attainment of pre-determined goals.	✓ Productivity not less than 80% of budget targets. ✓ Expenses not exceeding budget for given activities. ✓ Deliveries within two weeks of planning.
Comprehensive planning for the future.	✓ Business Plan always updated for 5 years ahead. ✓ Comprehensive new equipment and upgrade plan for 5 years ahead. ✓ Objectives targeted for definite development.
Financial viability and stability.	✓ Budget cash flow variance <10%. ✓ Business Plan with > 15%.
Positive perception by the market.	✓ Customer backorders. ✓ Sales by owner's recommendations. ✓ Positive press reporting. ✓ Invitations to participate in presentations, etc.
Good understanding of market requirements.	✓ No orders lost because of "missing" features. ✓ Publications meeting customer understandings.
Ownership of significant, relevant information.	✓ Competitors attempting to copy or make equivalent information.
High quality product.	✓ Factory rework prior to delivery < 10% manufacturing time – little or no re-printing. ✓ Design and/or workmanship faults after delivery < 2 per product for first 10 units and < 1 per unit thereafter.
Superb team work.	✓ Absenteeism < 1 day a year per person. ✓ Consistent increase in productivity. ✓ Consistent Quality. ✓ No lost time injuries.
Reliable supply and service chain.	✓ Suppliers offering unsolicited innovation. ✓ Supplier's products arriving < 5 days late. ✓ Change to external service support agents < 1 per year. ✓ Primary response to customer's service requirements < 24 hours, any day, anywhere. ✓ Rectification to Company materials and/or workmanship failure < 5 days.
Being an employer of choice.	✓ Job applications arriving unsolicited. ✓ Zero resignations due to dissatisfaction with the Company. ✓ Employees introducing friends of high calibre as potential employees.

The SWOT ANALYSIS OVERVIEW:

SWOT ANALYSIS	
Strengths of our Foundation:	We can utilise these strengths as follows:
We have the highest level of truths ever provided for Earth's humanity. We also have gathered a vast diversity of understandings and ways of representing these revelations and guidance for consideration.	High quality publications of all materials in formats that satisfy the needs of every reader, viewer and listener. Graphics can be applied for the benefit of all, including education and teaching situations.
Weaknesses of our Foundation:	These weaknesses will be overcome as follows:
It is unknown and without credence. What is to be introduced through the publications is a complete reversal from what humanity has been guided to embrace and how to live for thousands of years.	Networking. Further, the preponderance of white hair gives many of us a 'senior' appearance. Undoubtedly the evolutionary step through these revelations will generate much controversy and publicity.
Opportunities open to our Foundation:	Will be grasped by us as follows:
Humanity is faced with crisis on all fronts. Nothing that has been tried time and again has worked. The truths and revelations are the only solution for humanity.	Never has a set of truth addressed health, education, commerce and government issues in one package. Most importantly, the way that children are to be brought up is now open to being advanced for the benefit of all.
Threats facing our Foundation:	Will be avoided as follows:
For more than a third of the world's population there are restrictions on freedom as well as imposed religious platforms.	Pascas is introducing a way of living, not another religion. To the extent that the truth will not be compromised, the material that may be introduced into a controlled community may be limited to that which does not cross the authoritarian dictates.

RISK ANALYSIS:

The key risk issues that are identified in the above SWOT Analysis have been prioritised and the risk mitigation management implementations are summarised as follows:

The availability of a Council of Elders from within the Celestial Heavens and also in the physical on Earth has never been provided for humanity in its nearly one million year history.

Further, the writings to hand have been assembling since the 31 May 1914 and continue to do so. What may not yet be provided is most likely to unfold as and when required.

Presently, there is such a great body of information to digest and disseminate that there now appears to be little that could be asked for.

READER and VIEWER'S EXPECTATIONS:

Pascas Foundation's growth is market-driven rather than product-driven. People's needs and wants continually being researched and the services and products are to be focused on fulfilling people's expectations.

At this point, consumer needs have been assessed by interaction between members of Pascas Foundation and its customers both existing and potential. The Foundation is adopting a Market Planning Process to develop and grow its data base. This entails:

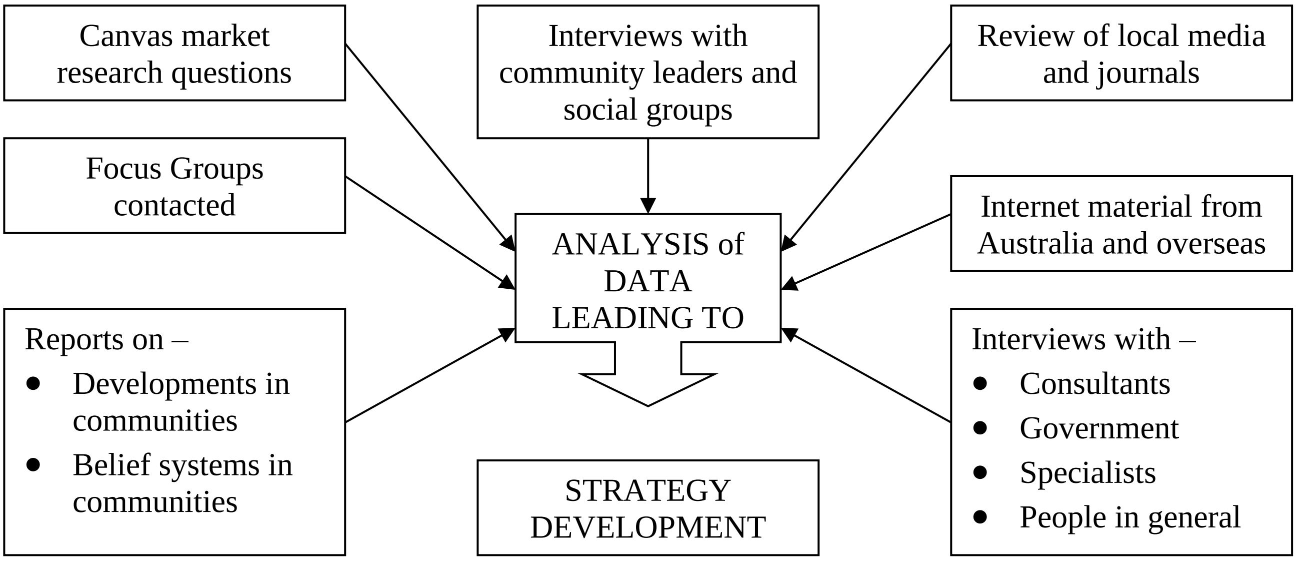
MARKET PLANNING PROCESS	
PREPLANNING REQUIREMENTS ▼	• Identify markets for products and services. • Determine the Foundation's goals and expectations. • Establish objectives.
SITUATION ANALYSIS ▼	• Identify market / people's needs. • Analyse barriers / prevailing attitudes. • Identify markets, segments, size and share. • Identify outside influences. • Analyse distribution. • Analyse market coverage. • Analyse product pricing and message size. • Evaluate communication options. • Analyse positioning. • Analyse political environment.
PROBLEMS and OPPORTUNITIES ▼	• Determine communication success factors. • Identify key problems and opportunities.
SEGMENT PRIORITY ▼	• Determine segment priority. • Establish communication direction by segment. • Establish objectives by segment. • List assumptions and restrictions.
STRATEGIES and TACTICS ▼	• Develop strategy options. • Select strategies. • Develop tactics. • Schedule and budget tactics.
MARKETING PLAN EVALUATION ▼	• Estimate communication options and related costs. • Prepare cost benefit analysis and cost projections.
CONTROLS and MEASUREMENTS	• Establish controls and measurements.

MARKET RESEARCH:

Pascas Foundation market research is to continue upon:

√ Individual needs and motivation.
√ People’s needs – what is pressing them to resolve – what is his/her problem / issue / challenge?
√ Community segment and characteristics.
√ Community demographics and cultural platforms.
√ Time requirements – awareness and sensitivity – cost is not an issue but time availability can be.
√ Importance of convenience.
√ Willingness to consider new information and fitting that into their understanding.
√ Affiliation with restrictive belief systems and awareness.
√ Social direction and attitudes.
√ Government initiatives and attitudes – particularly restrictions.
√ Overseas attitudes and trends – country by country.

Data can be sourced using the following market research methodology:


Canvas market research questions
Interviews with community leaders and social groups
Review of local media and journals
Focus Groups contacted
Internet material from Australia and overseas
ANALYSIS of DATA LEADING TO
Reports on –
• Developments in communities
• Belief systems in communities
Interviews with –
• Consultants
• Government
• Specialists
• People in general
STRATEGY DEVELOPMENT

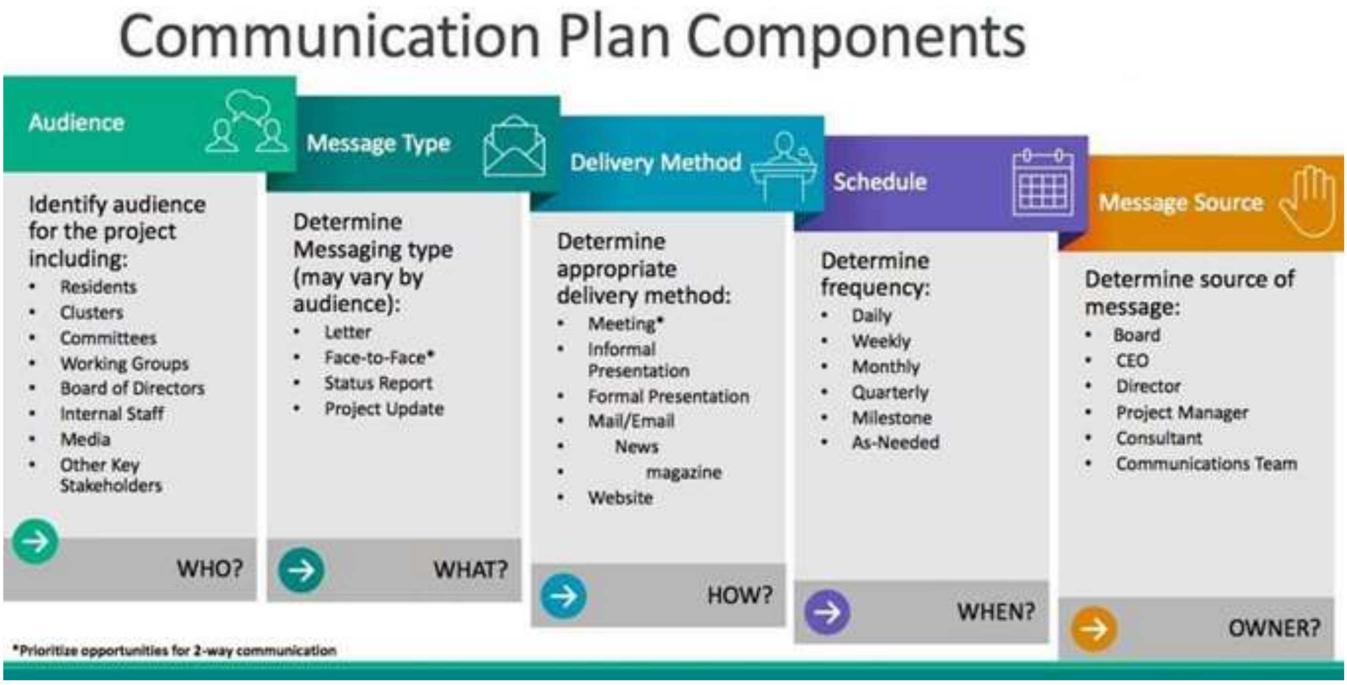
Secondary data to be supportive of the following:

☑ Government attitude being supportive of the introduction of Pascas Foundation’s initiatives.
☑ The potential opening for the Foundation’s initiatives being quantifiable.
☑ The populous may be open sufficiently for the community to embrace the Foundation’s publications.
☑ Professional opinion supports the Foundation’s decision to proceed.
☑ Specific early entry endeavours may have been identified to have the Foundation to focus upon.
☑ Findings support the focus of the Foundation’s strategy and how it is to deal with issues relating to the publications and services being introduced.
☑ Attitudes and trends are similar in the domestic market as well as some focused overseas markets.

Primary data may reveal the following:

☑ Presently a lack of product and service interest.
☑ A desire for convenience (time to read or view) in the purchasing process.

☑ A desire for simple communications.
☑ A lack of knowledge of how to benefit from the publications.
☑ A lack of source of information awareness.
☑ Pricing is acceptable for proposed products and services (books and audio-visuals).
☑ Strong interest from the market segment in which the Foundation is to introduce its publications.
☑ Early product users are to be identified.
☑ Foundation’s brand name development and awareness program is to be dealt with.
☑ Consumer’s support services are to be resolved.



Communication Plan Components

Audience

Identify audience for the project including:
- Residents
- Clusters
- Committees
- Working Groups
- Board of Directors
- Internal Staff
- Media
- Other Key Stakeholders

WHO?

Message Type

Determine Messaging type (may vary by audience):
- Letter
- Face-to-Face*
- Status Report
- Project Update

WHAT?

Delivery Method

Determine appropriate delivery method:
- Meeting*
- Informal Presentation
- Formal Presentation
- Mail/Email
- News
- magazine
- Website

HOW?

Schedule

Determine frequency:
- Daily
- Weekly
- Monthly
- Quarterly
- Milestone
- As-Needed

WHEN?

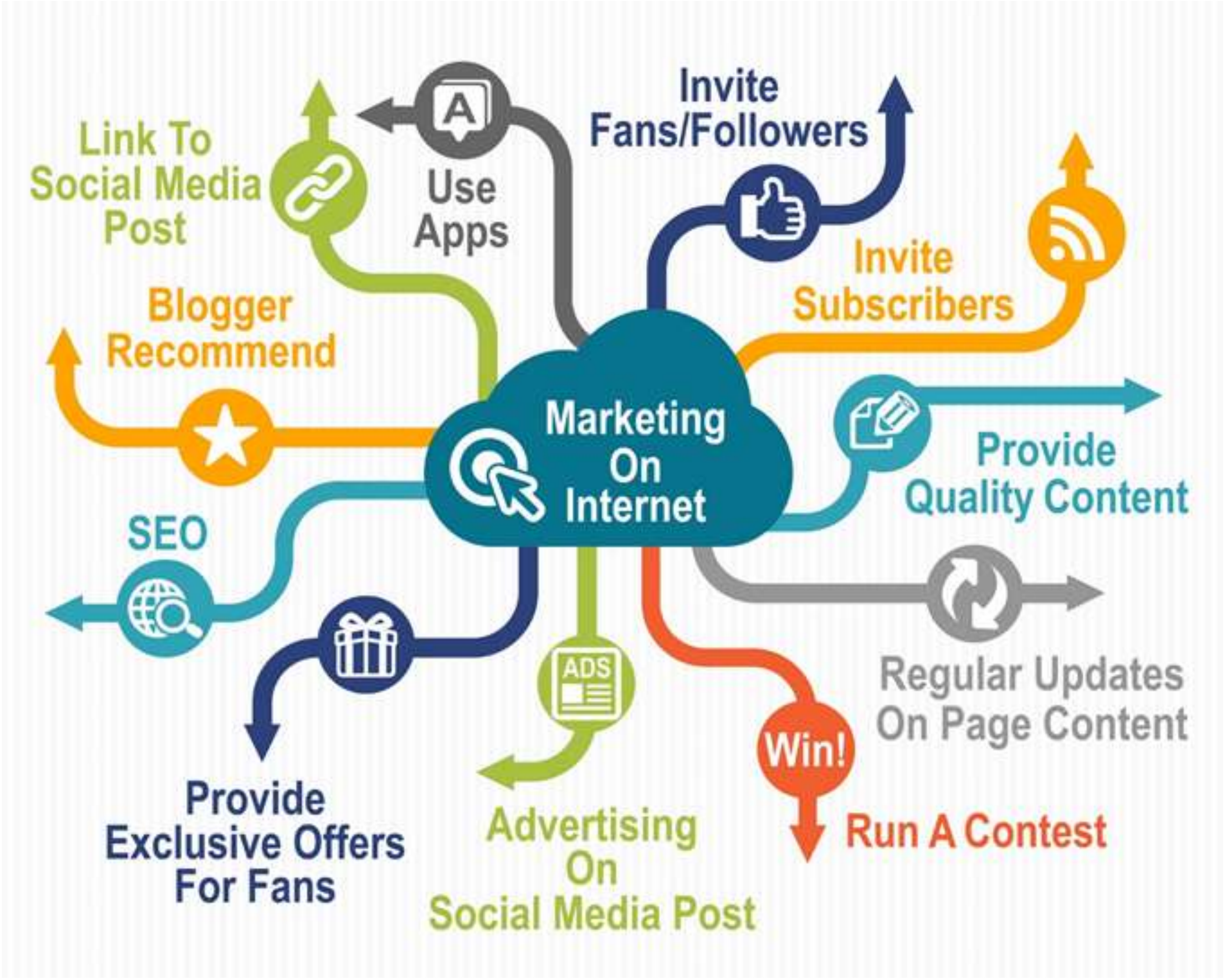
Message Source

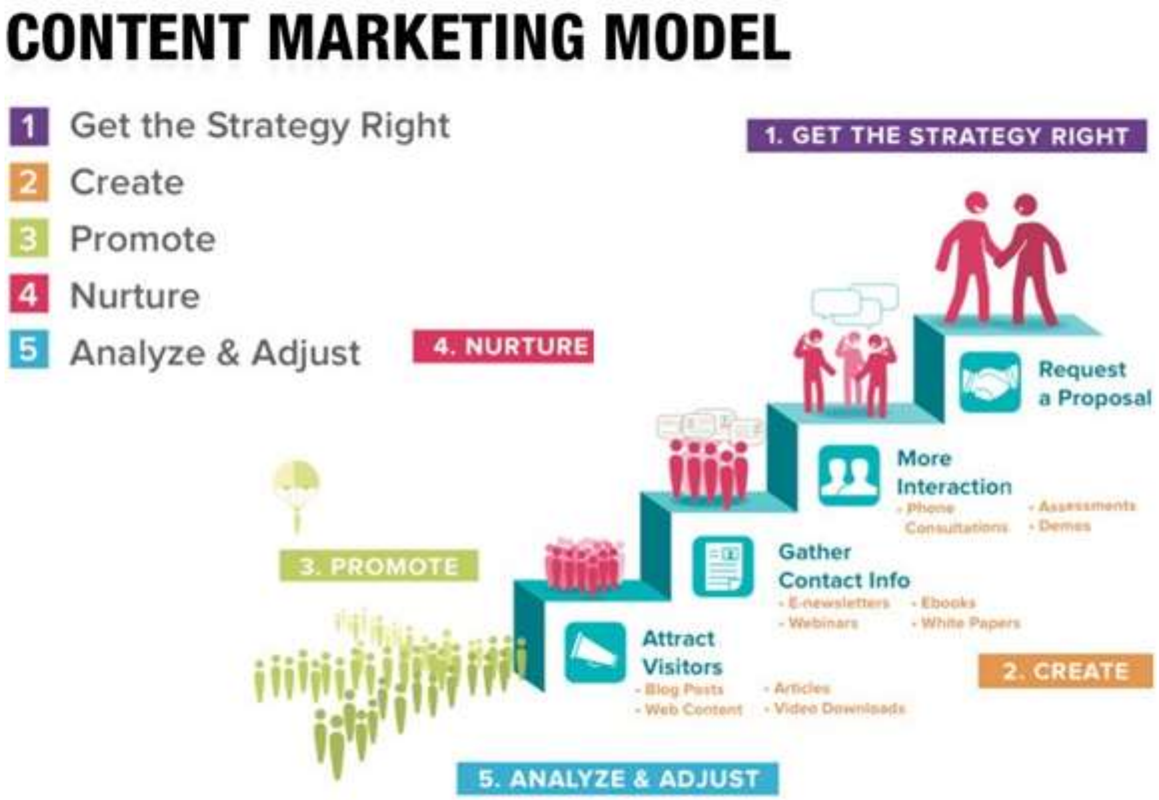
Determine source of message:
- Board
- CEO
- Director
- Project Manager
- Consultant
- Communications Team

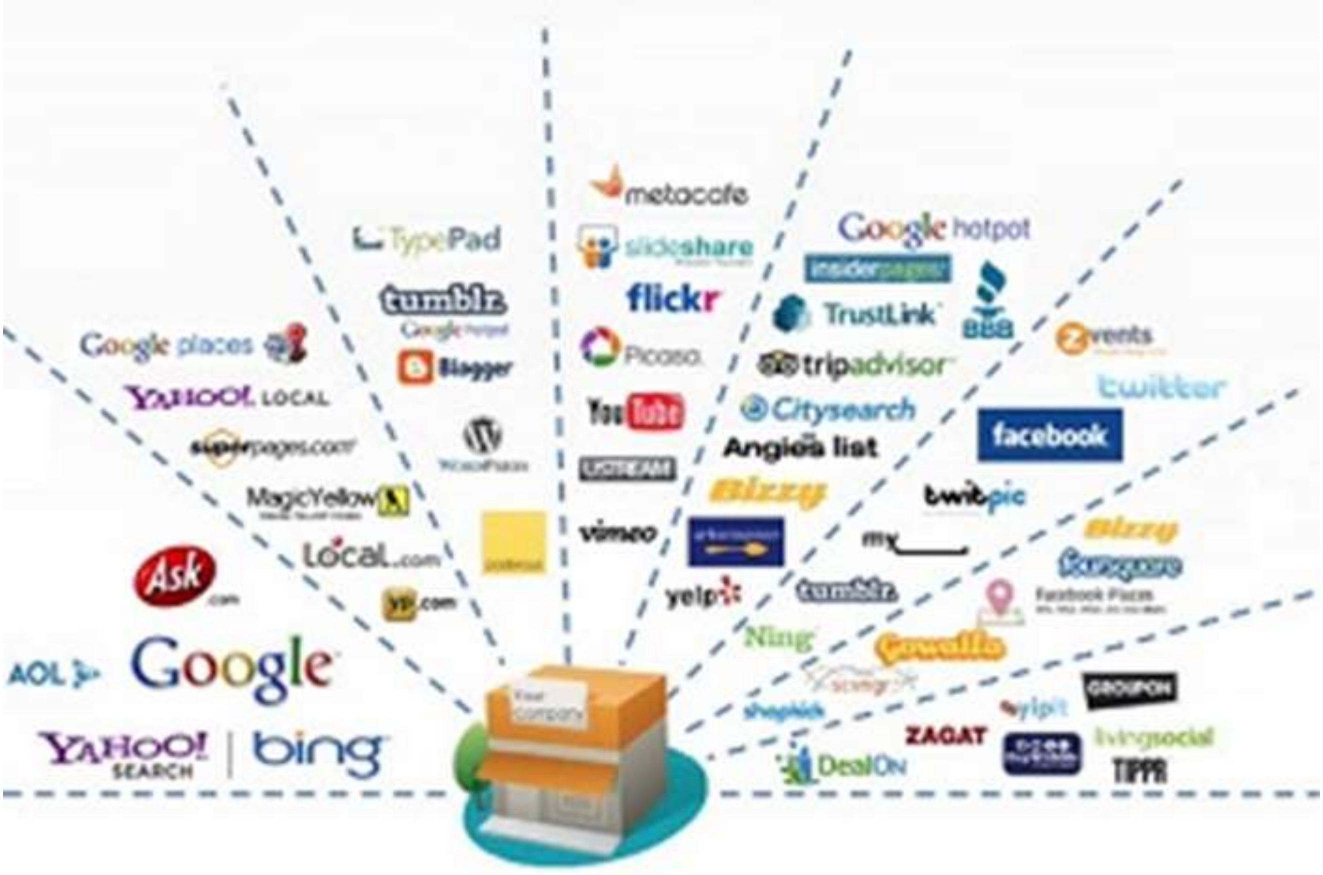
OWNER?

*Prioritize opportunities for 2-way communication

Game Marketing
Mobile Application
Blog Marketing
Website Social Network
Seeding Marketing
Social Network Marketing
Google Map Marketing
Augmented reality Marketing
Search Engine Optimization
ONLINE MARKETING


Link To Social Media Post
Use Apps
Invite Fans/Followers
Invite Subscribers
Blogger Recommend
Marketing On Internet
Provide Quality Content
SEO
Regular Updates On Page Content
Win!
Provide Exclusive Offers For Fans
Advertising On Social Media Post
Run A Contest


CONTENT MARKETING MODEL
1 Get the Strategy Right
2 Create
3 Promote
4 Nurture
5 Analyze & Adjust
1. GET THE STRATEGY RIGHT
4. NURTURE
3. PROMOTE
2. CREATE
5. ANALYZE & ADJUST
Request a Proposal
More Interaction
- Phone Consultations
- Assessments
- Demos
Gather Contact Info
- E-newsletters
- Webinars
- Ebooks
- White Papers
Attract Visitors
- Blog Posts
- Web Content
- Articles
- Video Downloads


metacafe
TypePad
slideshare
Google hotpot
insiderpages
tumblr
flickr
TrustLink
BBB
Google places
Blogger
Picasa
tripadvisor
Zvents
twitter
YAHOO! LOCAL
YouTube
Citysearch
superpages.com
WordPress
USTREAM
Angie's list
facebook
MagicYellow
Blizzy
twitpic
Local.com
vimeo
my
Ask.com
yp.com
yelp
tumblr
foursquare
Facebook Places
Ning
Gowalla
AOL
Google
Groupon
shopkick
yipit
YAHOO! SEARCH
bing
ZAGAT
livingsocial
DealOn
TIPPR

Errors with websites:

1. People get concerned unnecessarily about the product – anything can be sold over the internet.
2. People try to market one product or one product line to every single person on the internet.
3. People try to market multiple lines on the one website. BE Specific!

Outcome:

99% of the 200 million websites fail.

CRM (Customer Relation Management) Tool.
Statistical Tracking Software – effective marketing is informed marketer.
Permission Marketing Tools (Database Management) – he who controls the eyes controls the wealth.
Auto Responders.
Four clicks maximum to placing orders – 70% that enter into secure sites abandon the shopping cart.
Conversion rate – 1% of visitors turn into buyers – 5 to 10 visitors a day is average.
3 clicks to get to order page!
Reverse Search Tool – your ability to be where your buyers are – word for word search patterns.

On the internet your customers shops for specifics – if you want to be successful you must market for their specifics!

If you diversify your website you will never reach the top of a relevant search engine.

Promote free sample – information only – by auto respond.

Link trading – the more sites linking to you the higher you'll rank in search engines (links4trade will maintain 400 links) – not to be considered.

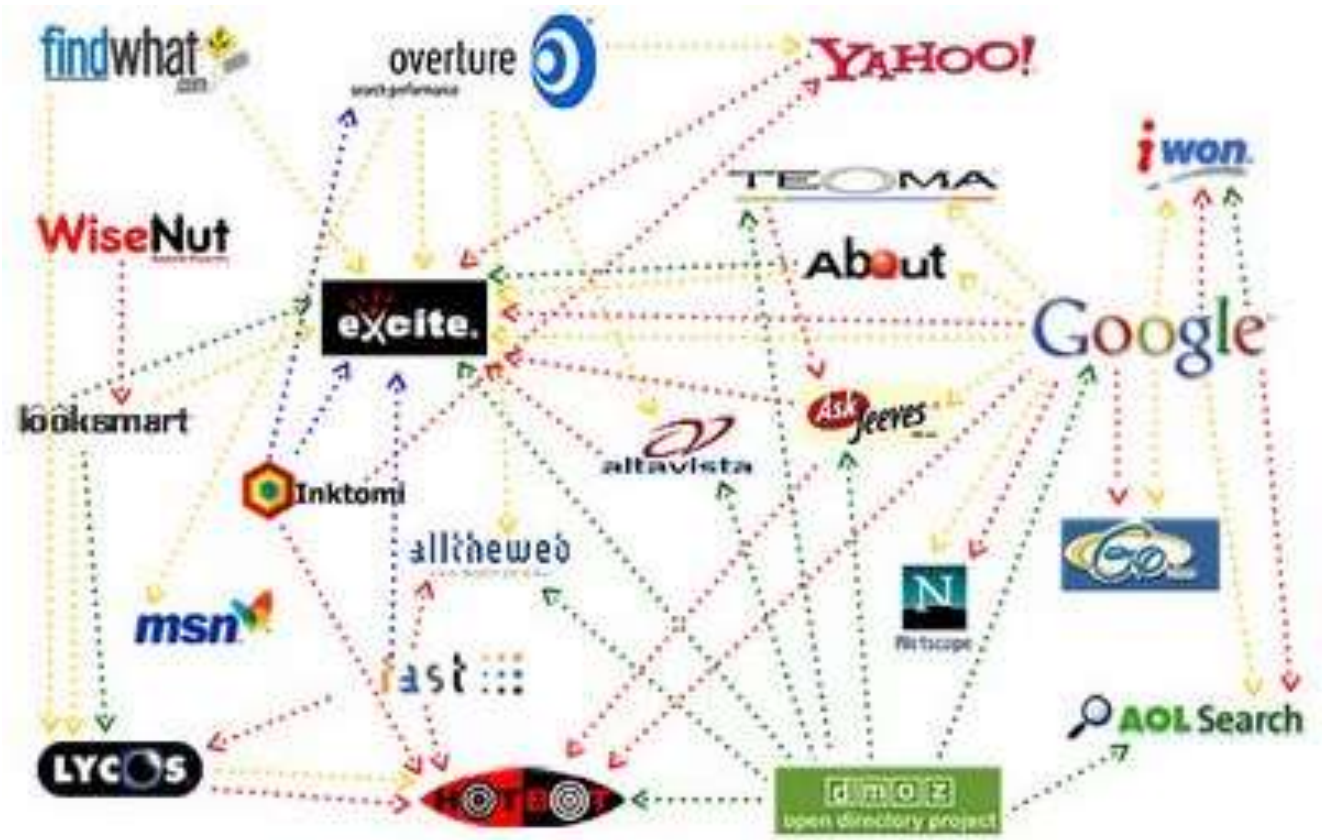
Relevancy Search Engine – Yahoo 1st, Google 2nd, MSN 3rd, AOL 4th = 95% of market. (year 2010)

1. Mandatory location criteria – key word phrase has to be found programmed in the title of the website. (SEO – search engine optimisation)
2. Description of website contains key word.
3. Key word phrase has to be found 5 times on first page.
4. Link popularity (in bound) links your website.

95% of all sales are by credit card.

Consider using this site builder:
http://www.xsitepro.com
This SEO is brilliant:
http://www.easyseo.com

This is the website marketing platform to be developed by this Company.


findwhat.com
overture
YAHOO!
iwon
TEOMA
WiseNut
About
excite
Google
looksmart
Ask Jeeves
altavista
Inktomi
alltheweb
msn
Netscape
fast
AOL Search
LYCOS
HOTBOT
dmoz
open directory project

Core tools to be employed by the enterprise to achieve top site ratings – Number 1 on the main search engines – are:

Word Tracker	www.wordtracker.com
Site Build It	www.sitesell.com/Cutless72.html
Hosting Site	www.hostica.com

Consideration on this site on Basic Hosting is for the "S" package.

To find Niches http://quickpaypro.com/x.php?442_a0

They are currently not accepting new members but on the left side of the web page is a note to that effect and a link to get on the waiting list.

For Building and Maintaining websites www.nvu.com

When using this you can develop all your text in Word then copy it into Notepad and then copy it to Nvu.

Alexa http://download.alexa.com/

A great tool for checking out the competition is the Alexa tool bar for our browser.

Drop Ship Source Directory		www.mydssd.com	www.123dropship.com
Thomas Register	product provider	www.thomasregister.com	www.alibaba.com
Overture	pay per click	www.overture.com	bid and go to the top! (3 of the top search engines)

As of January 2021 there were **4.66 billion** active internet users worldwide – 59.5% of the global population. Of this total, 92.6% (4.32 billion) accessed the internet via mobile devices.

Global retail sales through all channels hit US$21.21 trillion in 2020 of which consumers worldwide spent **nearly US$4.29 trillion** online (internet) 2020.

Errors with websites:

4. People get concerned unnecessarily about the product – anything can be sold over the internet.
5. People try to market one product or one product line to every single person the internet.
6. People try to market multiple lines on the one website.

BE Specific!

99% of the 200 million websites fail.

Needed:

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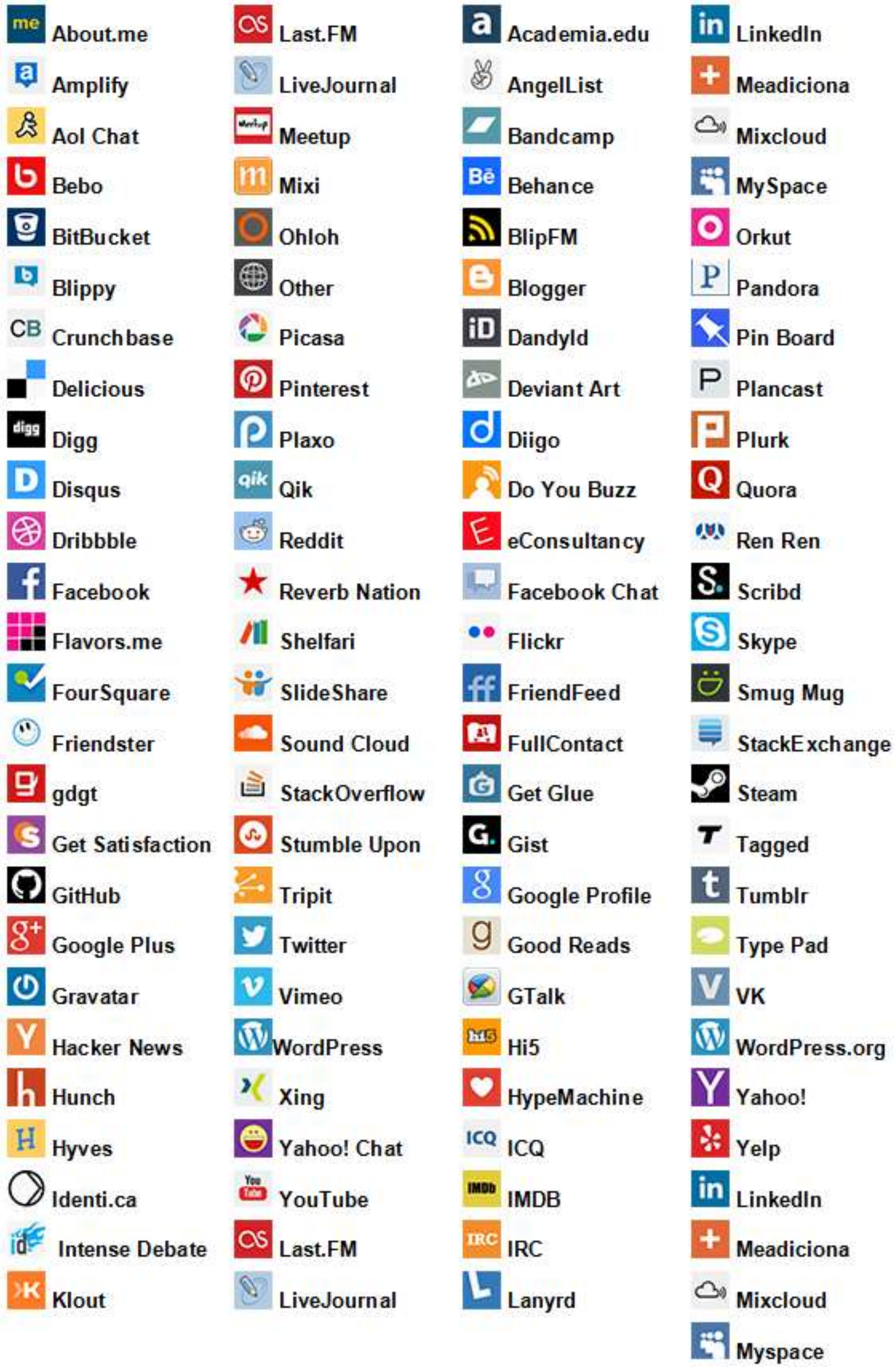
This the SEO which is brilliant:
http://www.easyseo.com

This is the website marketing platform to be developed by this Company.

Human nature by default has been programmed to be socially active to a certain extent. Some people are more active, while others are less so!

However, people have always been looking for ways to connect and network with each other. And, in this age of digitisation, people have found ways to be socially active on the internet, which is possible with the advent of the numerous social networking platforms and apps. Here are more than 100 site options.



About.me
Amplify
Aol Chat
Bebo
BitBucket
Blippy
Crunchbase
Delicious
Digg
Disqus
Dribbble
Facebook
Flavors.me
FourSquare
Friendster
gdgt
Get Satisfaction
GitHub
Google Plus
Gravatar
Hacker News
Hunch
Hyves
Identi.ca
Intense Debate
Klout

Last.FM
LiveJournal
Meetup
Mixi
Ohloh
Other
Picasa
Pinterest
Plaxo
Qik
Reddit
Reverb Nation
Shelfari
SlideShare
Sound Cloud
StackOverflow
Stumble Upon
Tripit
Twitter
Vimeo
WordPress
Xing
Yahoo! Chat
YouTube
Last.FM
LiveJournal

Academia.edu
AngelList
Bandcamp
Behance
BlipFM
Blogger
Dandyld
Deviant Art
Diigo
Do You Buzz
eConsultancy
Facebook Chat
Flickr
FriendFeed
FullContact
Get Glue
Gist
Google Profile
Good Reads
GTalk
Hi5
HypeMachine
ICQ
IMDB
IRC
Lanyrd

LinkedIn
Meadiciona
Mixcloud
MySpace
Orkut
Pandora
Pin Board
Plancast
Plurk
Quora
Ren Ren
Scribd
Skype
Smug Mug
StackExchange
Steam
Tagged
Tumblr
Type Pad
VK
WordPress.org
Yahoo!
Yelp
LinkedIn
Meadiciona
Mixcloud
Myspace

MOSAIC PROFILING: What is your mosaic profile looking like?

Mosaic is a quantitative framework to measure the overall health and growth potential of private companies using non-traditional signals. The Mosaic score is comprised of 3 individual models — what we call the 3 M's, each relying on different signals (although all the signals utilised are not revealed for obvious reasons).

Market

The quality of the market or industry a company competes in is critical. If you are part of a hot industry, that serves as a tailwind to push you along. Conversely, being in an out of favour space means fewer investors, partners, media, and more. The market model looks at the number of companies in an industry, the financing and exit momentum in the space, and the overall quality and quantity of investors participating in that industry.

Money

The money model assesses the financial health of a company, i.e. is it going to run out of money? Look at burn rate, the quality of the investors and syndicate that may be part of the company, its financing position relative to industry peers and competitors, and more.

Momentum

The final model is momentum, look at a variety of volume and frequency signals including social media, news / media, sentiment, and partnership and customer momentum. Look at these on an absolute and relative basis vs. peers / industry comparables. The relative piece is critical as it ensures that, for example, enterprise software companies who may get less media attention or who spend less time on social media are not penalised versus consumer-focused tech companies.

How is mosaic used?

Corporate Innovation

Pinpoint fast-growing private companies to understand viable business models, products, and technologies.

Corporate Strategy

See fast-growing markets and industries before anyone else to inform executives on strategic decisions.

Competitive Intel / Market Research

Assess the health of startups competing in your industry to advise your build, buy, or partner strategy.

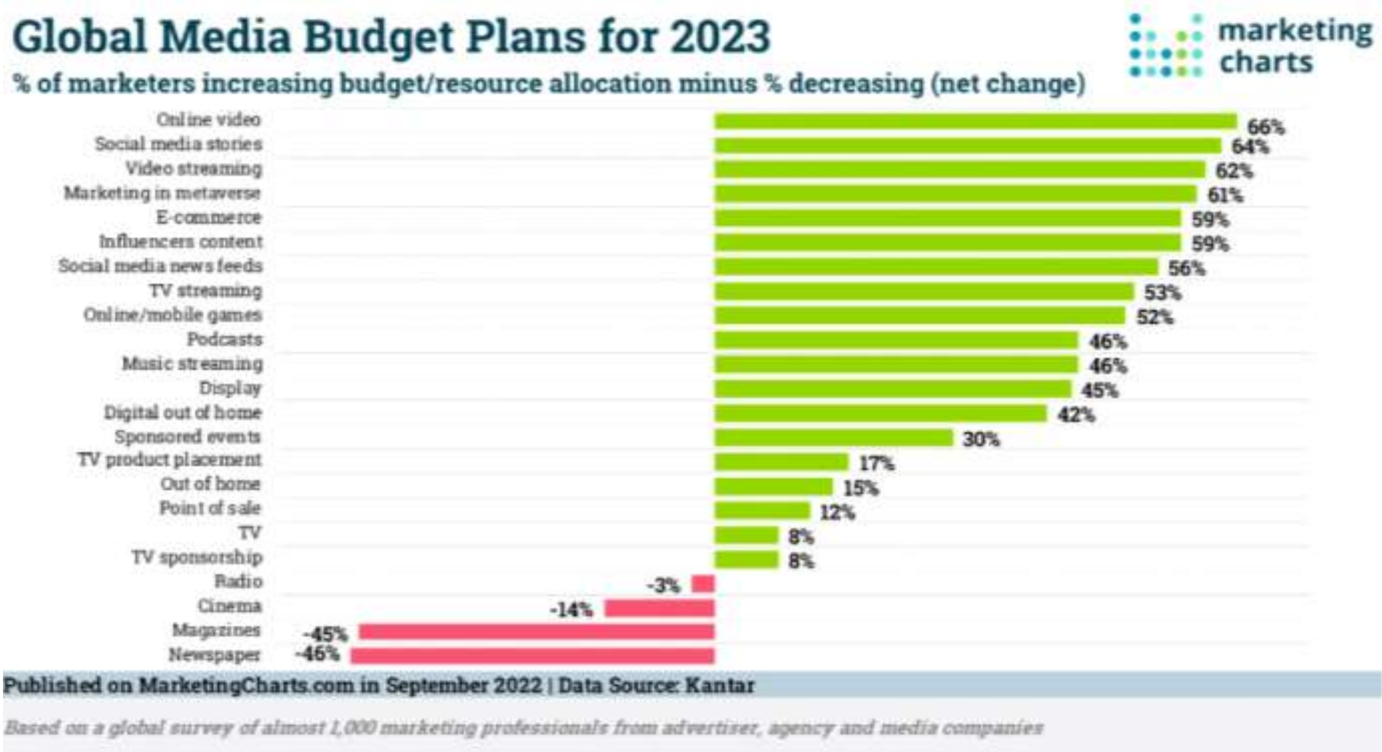
Corporate Development and M&A (mergers and acquisitions)

Monitor the health and growth potential of possible acquisition targets as part of due diligence process.

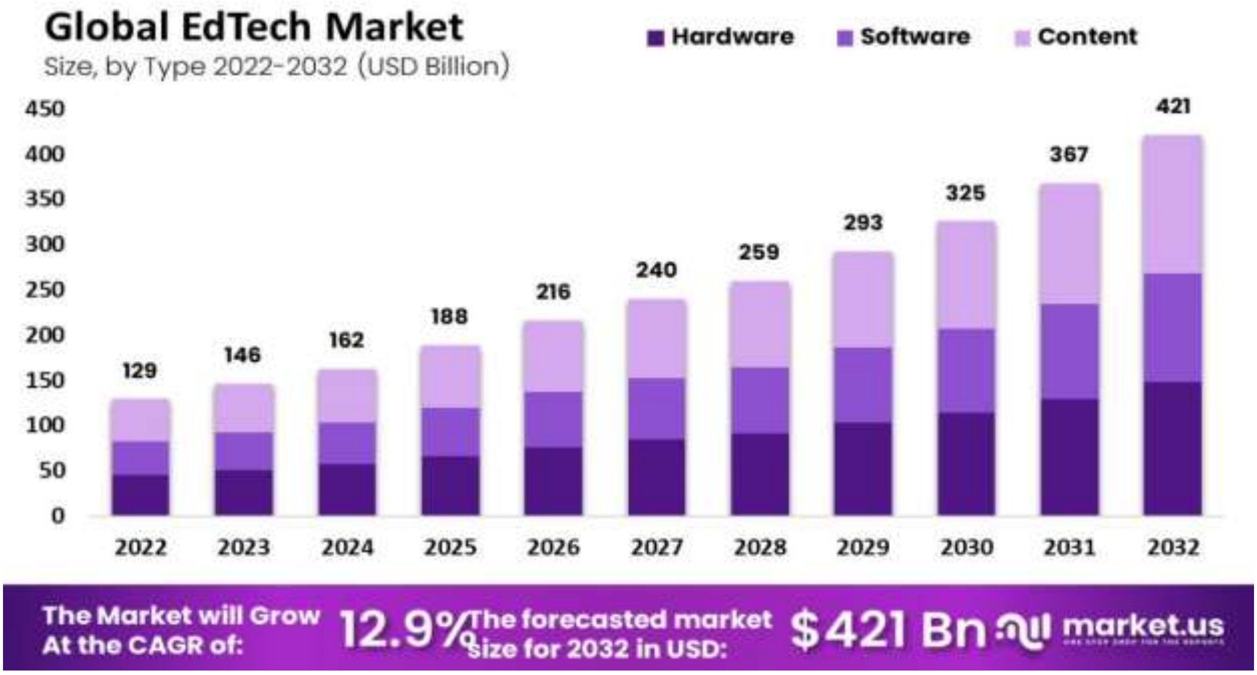
Corporate Venture Capital

Identify the startups with the highest growth potential to satisfy your corporate investment philosophy.

Global advertising revenue is expected to top $800 billion in 2023, with around 60% going to digital advertising. The chart below shows where ad dollars are, and aren't going. The usual suspects are still in decline.



The EdTech (Education Technology) space accelerated during the Covid pandemic. But the interest didn't end there and EdTech startups managed to raise $10.6 billion in 2022, a year when venture capitalists backed away from many other areas.



GROWTH in the FOUNDATION'S CONNECTIVITY AVENUES BEING:

Pascas Foundation may expand its connectivity by:

Existing publications through existing networks.
Existing publications to new networks sourced through networking expansion avenues.
New publications and support services to existing networks.
New publications and support services to new networks.
Expanding the network territories.

GROWTH OPTIONS	
Community Penetration	• **Increasing existing community involvement through:** Implementing price incentives on a sliding scale for increased volumes of publications / services. Increasing community dialogue. Increasing public presentations. Identifying alternative interest groups. • **Attracting additional interest groups:** Identifying local issues and presenting ways to address them. Reducing resistance barriers. Increasing awareness promotional effort.
New Interest Community Development	• **Developing new geographical markets, through:** Expanding connectivity regionally, nationally and then internationally. Supporting local early up-takers. Opening publication distribution channels. • **Developing new segments through:** Referrals. Strategic alliances. Promoting publications and support services in alternative media forms. • **Supporting those who currently do not obtain the publications and support services through:** Implementing free introduction services. Identifying alternative solutions to local issues. Reviewing barriers to participation and addressing them.
New Publications Development	• Develop new features for publications and services. • Develop variations to existing publications and services. • Develop new publications and services aimed at identified needs.
Diversification	• Blending with local practices and customs without compromise. • Using existing distribution networks to grow innovations. • Stability development. • Grow new publications, productions and support modalities.

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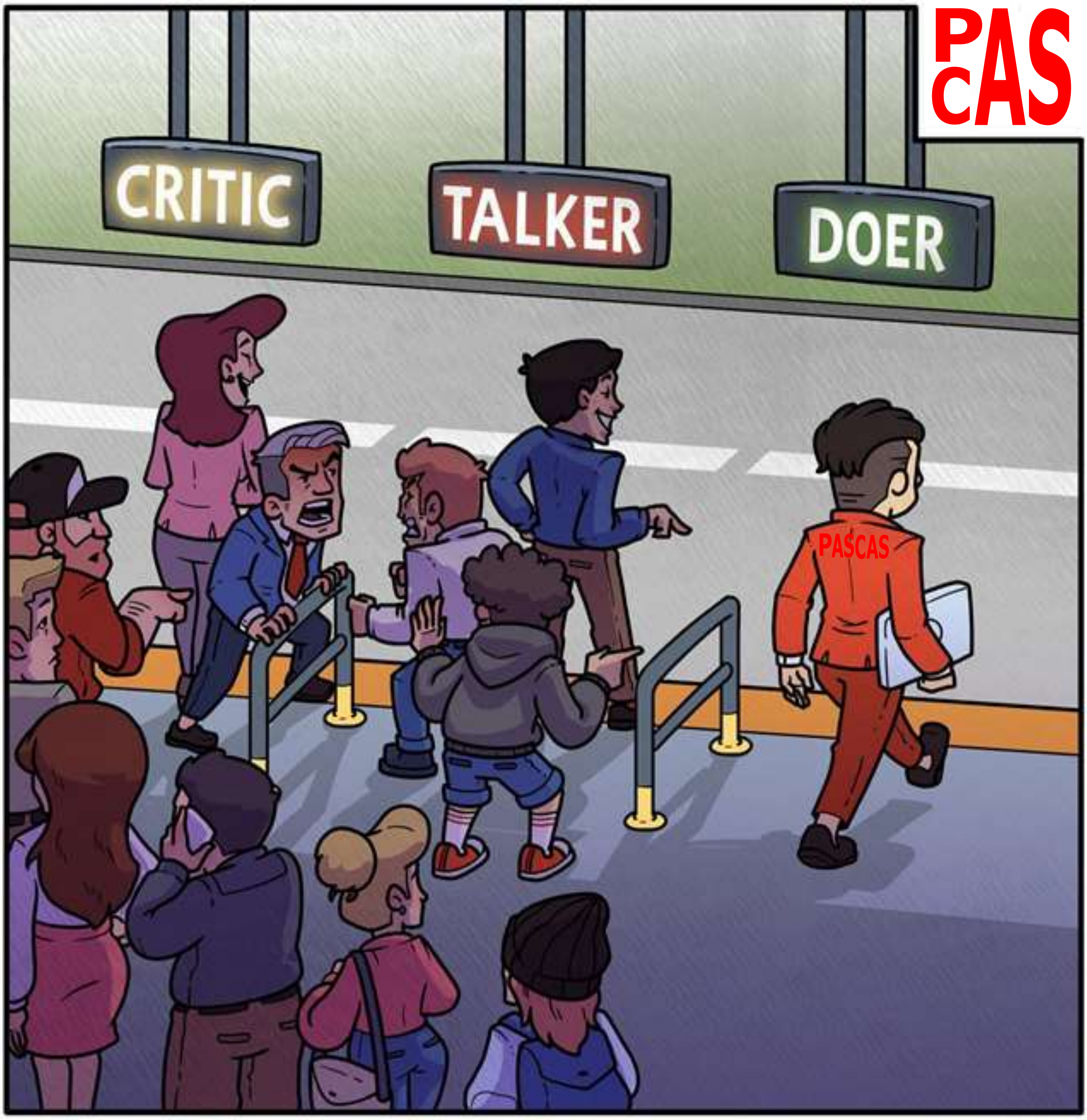
PAS
cAS
CRITIC
TALKER
DOER
PASCAS

THE WORLD IS A CAT
RUSSIA
CHINA
BRAZIL
AUSTRALIA
PLAYING WITH AUSTRALIA

OR IS IT THE OTHER WAY AROUND?

HEREWECOME

Healed potential

Insightful Genius

Brilliance!

DYNAMIC

vibrant

perceived truth MoC 960 – relative truth potential MoC 1,480