

# MINDHIVE

**#03**

**THE OFFICIAL  
MINDHIVE  
MAGAZINE**

**HOW DO WE GET  
TO NET-ZERO EMIS-  
SIONS BY 2050?**

Public support for action on climate change is higher now than it was at the peak of the catastrophic. **P.7**

**TOP 10 DEEP  
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**Early childhood  
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free for everyone?**

It's time to make quality early childhood education and care (ECEC) universally accessible and free for every Australian family.

**Mindhive going global  
for the future of the  
environment.**

This is a challenge we can no longer ignore. We need the whole world working together to solving it, and it starts with you.





## WELCOME TO OUR MINDHVR MAGAZINE. CEO UPDATE.

Hard times are ahead and no amount of staying the course and flattening the curve can change what the future holds for all of us throughout the world. We're in uncharted waters and what comes next is something that can only be left to the most cautious of speculation as we begin to rebuild from this crisis. To say that jobs have been impacted globally would be perhaps an understatement so large that it rivals the size of the epidemic. Jobs have been lost and more jobs will be lost, that much is clear. But for those still working it's also a tenuous time. Finding the right balance between business as usual and augmenting the way they go about operating, only with stakes set much higher than usual by current circumstances. But there is some positive progress that's come out of these troubling times. Throughout COVID-19 we've proven one thing unequivocally both as people and as a global business community.

We're just as adaptable as our ancestors once were, just in a different way. Think about how quickly we acclimatised ourselves to working, communicating and thriving entirely via digital means under strict lockdown laws. Many of the discussions in MINDHVR #3 talk to our collective diversity and our collective intelligence. Our collective intelligence is an equal playing field where everyone can contribute something. Take inspiration and guidance from the best examples of diversity in the magazine. Use it to tackle issues and create knowledge in ways you've not previously thought of.

*Best*  
**Bruce Muirhead**  
CEO

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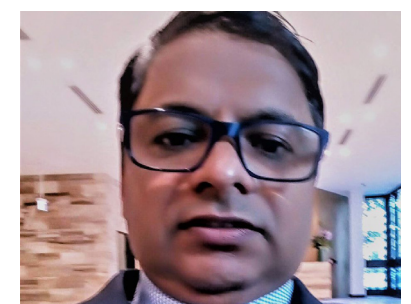
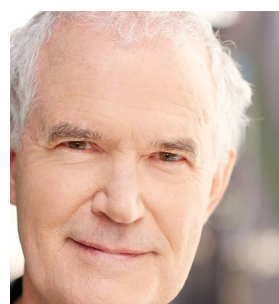
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# HOW DO WE GET TO NET-ZERO EMISSIONS BY 2050?

Challenge by Ton Ha

From the latest Guardian Essentials survey of 1,034 voters: Survey finds 75% support for setting net-zero by 2030 target for emissions, and 81% support for net-zero by 2050



## Brief

From The Guardian  
([link in Resources](#)):

Public support for action on climate change is higher now than it was at the peak of the catastrophic bushfires last summer, according to the latest Guardian Essential poll, which shows a strong majority supporting a net zero target by 2050.

## Background

From The Guardian  
([link in Resources](#)):

The latest survey of 1,034 voters has 81% support for the Morrison government adopting a net-zero emissions target by 2050 – which is a 10 point increase in the level of voter support for the policy recorded back in January.

The survey suggests a majority of voters would favour stronger climate action earlier, with 75% of the sample supportive of setting a net-zero target by 2030 rather than mid-century, which is an 11 point increase since January.

JOIN DISCUSSION

# CAN SMALL TO MEDIUM BUSINESS BE ENGAGED MORE EFFECTIVELY TO BE THE FRONT LINE FOR PREVENTION OF COVID-19 SPREAD?

Challenge by Matthew Harper

*Is there a better engagement model to encourage mutual responsibility? Without trying, in any one day, I will interact with at least 4 small/medium businesses. These businesses will set the rules for me interacting with them in a COVID-safe way, but are they being engaged as the front line of community health or are they being treated/engaged as the problem.*



### Brief

I have been asked by a long standing client to consider whether they should have engaged more with a wider stakeholder group to manage COVID-19.

As an emergency/crisis management consultancy, I conduct all my interactions in the most COVID safe manner possible. I have adjusted my business practices, I have helped others to adjust and I have only accepted jobs where I will not place myself or my staff at risk.

Living in the ACT, I have actively promoted the ACT Government venue visiting app (Check in CBR) and have withdrawn my business from those businesses who are refusing to use the app and work as a mutually responsible part of a society.

As a community, can we engage the micro, small and medium businesses better to use their immediate connection to the community to stop the spread of COVID in the inevitable future clusters?

Is there a better engagement model to encourage mutual responsibility?

### Background

Some underlying thoughts to consider:

Many businesses (small and large) are now paying lip service to COVID precautions.

- Sanitiser dispensers are not regularly checked and are often empty
- Cleaning routines are questionable
- Social distancing is difficult to enforce

Typical Emergency Management practice relies on government to lead and often engages business as a downstream participant. Bigger organisations with massive market share are often engaged, but the small business end can be forgotten in the excitement.

In most recent outbreaks, small to medium business is highlighted as being a hotspot. Think pizza shops, gyms, restaurants, cafes.

EARLY CHILDHOOD EDUCATION AND CARE:

# WHAT IF WE MAKE IT FREE FOR EVERYONE?

It's time to make quality early childhood education and care (ECEC) universally accessible and free for every Australian family. Let's consider the positives for families, businesses and the economy. We need your contributions to help advocate for change with the Federal Government.



## Australian Parents

A community of parents and citizens from Make It Free and The Parenthood who believe quality early childhood education and care should be free and accessible for everyone.

*It's time to make quality early childhood education and care (ECEC) universally accessible and free for every Australian family.*

**Brief**

Australian families pay some of the highest out-of-pocket costs for early childhood education and care (ECEC) in the world. Even before the pandemic hit, 48% of parents with children under 5 years were struggling to afford ECEC. Now we are in a recession, it will only get worse. This issue has needed to be addressed for years, but the unprecedented, turbulent times presented by pandemic have exacerbated the urgent need for reform. To make sure families, children and women are included at the next Federal Budget, we need to take the temperature of what is happening for Australian families and ramp up our advocacy efforts.

We invite parents, employers and business owners to share their experiences and comment on the availability, cost and quality of early childhood education and care.

Three key questions to start the discussion:

1. How does the cost of child-care impact your decisions about your work, your family, and your future?
2. What did the 3-month period of free care mean to your household and/or business?
3. What would your business and/or paid work look like if you didn't have to pay for quality ECEC?

We welcome comments addressing issues of inclusion, equity and diversity (e.g. children with special needs, families in remote locations, blended families, small business owners, self-employed, gig economy workers, and shift workers). Whilst we are focused on understanding the issues in Australia, we are also interested to learn from experiences overseas. We're going to let the Federal Government know what you say so they can't ignore families.

**Background**

This is time-sensitive. The Coronavirus pandemic has opened the eyes to the importance of early education and care for families - and the economy. Many Australians have recognised just how crucial it is for our society, for women's economic security as well as the wellbeing and development of children.

For the first time in history, families in Australia had access to fee-free ECEC and the difference it made in households right around the country was profound.

Regrettably, this issue was not addressed in the historic October budget by the Morrison government. Families, women and children were largely forgotten in the biggest spending budget in Australia's history. That cannot happen again.

Ahead of the May budget, we want to raise the issue of universal access to ECEC with the federal government. We're having this conversation now so we can let the government know how this is impacting you and your family. The more voices, perspectives and experiences shared, the better.

We are also inviting educators in early education and care services to join the discussion. They are woefully underpaid and under-appreciated and deserve to be paid professional wages for the important work they do.



This pandemic has potentially created an accelerated path towards reform. If we seize this moment to capture the attention of decision-makers around the importance of these policies and the existence of viable alternatives, change is possible and parents and children will thrive.

We believe that universally accessible quality ECEC is the most compelling, valuable policy the federal government could pursue to ensure Australia's recovery from the Coronavirus pandemic leading to a healthier, more equitable and more sustainable future.

Eliminating the high cost of early education and investing in a high-quality ECEC system that is accessible to all children will boost the economy. It will also increase women's participation in the paid workforce, alleviating

significant financial pressure in households and giving children the best possible start to life.

We are striving to make Australia the best place in the world to be a parent. The time for change is now!

We are a community of parents motivated to create positive change in the Australian ECEC sector.

[JOIN DISCUSSION](#)

# WHAT IF CLIMATE CHANGE IS ALSO GALACTIC CLIMATE CHANGE?

Challenge by Luke Hayes



*If Earth's Climate Change is Also Galactic Climate Change, humans DRASTICALLY need to re-think their position and URGENTLY PIVOT strategy or perish.*

## Brief

Before I hit you with the doom and gloom excitement, I'll let you know that there are ways to save civilisation and thrive but it means giving up on a LOT of things that you are used to. If you don't give up on them then you will probably die at the end of days, and you won't get to play in the heavens as an immortal space man or space woman in the Human experience of Kardashev scale civilisation.

What is Galactic Climate Change? What is a Super Nova? What is a Recurrent Nova? What is a Solar Mega Flare? What is the Scale of Energy output by all variations of Solar Nova on a Star like our sun Sol? What is some of the evidence of Solar Micro Nova that we can find on Earth and on the Moon? What is the Time Scale for frequency of Recurrent Micro Nova on our sun Sol? What are some of the Galactic Triggers for Recurrent Micro Nova on our sun Sol? What early warning indicators can we see in Astronomy to prepare early? What early warning indicators can we build in space to prepare early? What Kardashev Scale Space Constructs can we build to absorb and use, or safely divert the energy? What High Energy Constructs can we build on Earth to absorb and use, or safely divert the energy? How did our ancient ancestors survive? Where did they survive? What can we learn? What is the new Narrative for the Greatest Show on Earth? How should governance change to deal with this situation?

Is there any politician on Earth who is trustworthy and capable enough for this?

If all life on Earth is under mortal threat, how should we engage with all animals and other life?

If all civilisation is under mortal threat, is there still a way to evolve to thrive instead of survive?

If the scale of work to achieve the best possible outcome is only imaginable in science fiction and games because the monetary cost is beyond human comprehension, should we suspend the monetary system in favour of Magick, A.K.A Artificial Super Intelligence in Global Association for Joyful Responsible Abundance on Earth?

## Background

If Earth's Climate Change is Also Galactic Climate Change, then in the next few years of the Sun's Sunspot Maximum of Solar Cycle 25 that peaks in 2025, we could experience civilisation disrupting mega flare events up to civilisation ending solar micro nova events. Solar activity can also mutate organisms so there would likely be an increase in the size, scale and frequency of pandemics. Solar activity causes increases in lightning size, scale and frequency which will cause more fires, more damage to power grids and dwelling, more deaths to humans by lightning strike and car accidents from falling trees. Solar activity causes heart conditions and pacemakers problems as well as

increasing erratic behaviour and decision-making. Increased solar activity creates storms, cyclones, influences earthquakes and volcanic eruptions which would all increase in frequency and strength. Increases in all of these things increases the chance and frequency of floods and tsunamis. This is just from Solar Sunspot Maximum with a cosmic ray influence from the galactic environment during a weakened and wandering Earth magnetic field.

If the Sun has its cyclical Solar Micro Nova, then so much force from the solar wind would push the ionosphere down to Arc out on the Earth's crust creating Plasma lightning so powerful and rare that it is the stuff of myth and legend. Ask the indigenous people of their creation stories. The Earth is a water planet, if this much energy hit us directly, the magnetic poles would shift to a new location, oceans would rush over the planet, new mountains and volcanoes could be made, new grand canyons could be made and civilisation obliterated. And that's not even considering that the sun could shed so much of its crust that we are hit with asteroids of physical Matter and not just superhot supercharged superfast ions, electrons and radiation.

If not Sunspot Cycle 25, then we have a brief reprieve before Cycle 26 in the 2030's is the next risky season.

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# ARE WE OBLIGATED TO LIVE A SUSTAINABLE LIFE?

Challenge by Bek Adams



*I wonder if we all, as humans in a modern world, are obligated to live our lives in a way that is conscious of our impact on our environments both now & into the future. Should we each be held accountable as individuals, organisations & governments for our choices and how they will impact our communities and environments?*

*Ultimately, we will all face what is to come, whether we played our part to improve it or not.*

## Brief

As the consequences of our changing climate, modern lifestyles & global economy have hurtled into stark reality within of our daily lives, 'sustainable living' has become popular in mainstream conversations. Is this an opportunity for re-defining our boundaries & obligations towards each other as human beings, our fellow creatures & our environments. Are sustainable lifestyles not something to be left to the 'Hippie's' of the 60s & 70s, but a daily endeavour for all individuals, businesses & governments to strive for.

## Background

After the devastating bush fires at the start of 2020, preceded by the global COVID pandemic, our lifestyles & choices as a collective have come into sharp focus. Recent years have shown a great influx of options for 'sustainable' products with everything from clothing, food & furniture to Superannuation and investment options.

is it not time to rethink how we do things? So my question to you is, could we have within our grasp the very possibility for true reflection & growth? For me, I endeavour to continue on this journey by reading, researching and actively listening to the opinions of our Aboriginal and Torres Strait Islander elders, scientists and experts on how to move forward.

*Ultimately, we will all face what is to come, whether we played our part to improve it or not.*

We have multifaceted layers of rules & restrictions on each entity to form our functional, or not so, societies. There are layers of legal, ethical, cultural norms and guides. Do we have an overarching obligation towards respect of land and country which should guide us also?

Depending on the adversity faced in our lives, our capacity to embrace these opportunities for growth will be different. But within our own communities, within our own lives, should we not each be striving to live a life with a positive impact on the world around us? Do we not have an obligation to leave this world if not better, then at least the same as we came into it?

With the health impacts, financial instability, political unrest and environmental destruction becoming obvious for even the most conservative amongst us,

I will continue to source my food as locally as possible, namely my veggie patch and food cooperative. I will continue to source my clothing second-hand or from producers I agree with. I will show kindness, love and respect towards the animals, plants and environments I live in.

I will continue reducing my energy use and advocating change towards renewables. I will attempt to limit my transport impact.

I will continue to move my money towards better investments & actively invest in opportunities for a world I want my unborn great-grandchildren to live in. What are you doing to be a part of this regeneration?

JOIN DISCUSSION

# HOW CAN WE INCREASE AWARENESS OF PSYCHEDELIC-ASSISTED PSYCHOTHERAPIES TO TREAT OUR ACCELERATING MENTAL HEALTH EPIDEMIC?

Challenge by Ilan Hayman



Mind Medicine Australia was founded by social entrepreneurs Peter Hunt AM and Tania de Jong AM following their successful experience setting up other charities and working with people diagnosed with a mental illness. It is an Australian registered charity (with DGR 1 status) seeking to broaden the treatment paradigm available to medical practitioners and their patients and improve treatment effectiveness by establishing, safe, accessible and effective Medicine Assisted Psychotherapy in Australia for major Mental Illnesses. We do not advocate for non-clinical use of psychedelics or any other prohibited substances, nor do we advocate for any change to the law with respect to non-clinical use.

### Brief

Psychedelic-assisted treatments offer enormous potential in providing a meaningful alternative to current treatments for mental illness. PTSD is a debilitating condition that affects tens of millions of people worldwide, with many more trauma victims diagnosed with comorbid conditions such as depression, anxiety and eating disorders. In recent clinical trials, MDMA has been shown to produce reliable clinical improvements, restoring patient safety and self-agency even for individuals who have suffered with PTSD for many years, and for whom many treatments have failed.

The wave of clinical psychedelic research and regulatory support is rapidly building, with experts forecasting the availability of psychedelic-assisted treatments in the US and EU within the next 2 to 5 years, subject to positive clinical outcomes in large trials that are currently underway.

How do we forge a pathway to make these medicines available in Australia?

### Background

#### WHAT IS THE CLINICAL EVIDENCE?

In rigorous and well-controlled clinical trials over the past decade, psychedelic-assisted psychotherapy (using classical psychedelics such as psilocybin, and related compounds such as MDMA[i]) has produced some remarkable clinical outcomes for individuals suffering with addiction[ii], depression[i-ii], end-of-life distress[iv][v], and Post-Traumatic Stress Disorder[vi]. Preliminary and currently active trials are investigating additional applications, for example for obsessive compulsive disorder and autism.

About one hundred psychedelic and MDMA research trials have recently been completed or are currently active.

In many cases, the results have been remarkable in terms of the strength, speed, and enduring nature of the treatment effect. For example, reductions in psychopathology symptoms within the modern trials has been substantially larger than what is typically found for other effective treatments (for the scientists: Cohen's d ranging from 0.8 to 3.1; i.e., a 'large effect'). While it remains to be seen how well these results will stand up to the larger studies planned (Phase 3 clinical trials), results from clinical trials to date have been so compelling that the US Food and Drug Administration (FDA) recently designated both psilocybin- and MDMA-assisted psychotherapies as 'break-through therapies',

expediting their research and development. In addition, some trials have found that treatment effects can be sustained at least up to 6 months.

For example, in a recent well-controlled study using psilocybin-assisted psychotherapy, 51 terminally ill patients suffering with depression and anxiety symptoms received two high-dose sessions: following the first psilocybin session, 60% reported a drop in depression symptoms into the normal range, with sustained and improved outcomes 6-months later (71% reporting remission into normal range)[iv].

#### WHAT RESEARCH IS STILL TO BE DONE?

While psychedelic-assisted therapies have shown some strong clinical results, considerable research is still required to ensure appropriate levels of safety and to optimise clinical effectiveness. A number of large multi-site international 'Phase 3' trials of both psilocybin and MDMA are set to commence in the next 2 to 3 years. These trials are essential to determine whether the promising results seen to date will hold up in larger and more realistic clinical settings. While classical psychedelics pose only negligible toxicity or dependence risks, psychological risks need to be better understood and mitigated.

To date, research trials have done well to select appropriate participants and conduct trials in such a way as to produce impressive levels of safety. However, in order to offer these therapies to a much larger proportion of the population, more work is needed to understand the psychological risks and how to maintain the currently low levels of adverse events. A number of theories have been put forward to explain why psychedelic-assisted therapies may be clinically effective. However, many of these theories are not clinically useful, and none that are have been directly tested. More research into the 'therapeutic mechanisms' of this approach is essential in order to: optimise the effective aspects while reducing any unhelpful aspects of the therapy; understand why some people do not respond clinically; determine what works best for different clinical issues; and so on. There is much work to be done, and very good reason to do it – both in terms of the substantial unmet need in mental ill-health, and the impressive results of this approach. Indeed, we are seeing a surge of interest around the world, and large investments in further exploration of psychedelic-assisted research and therapy. This is an historic moment in mental health research and treatment. And it is time for Australia to join in this exploration.



## WHAT'S THE BEST WAY TO PICK UP TENNIS?

Challenge by  
Stella Loong

*I'm a seasoned squash player and due to covid restrictions pivoted to outdoor tennis. But while I can make contact with the ball, I can't keep it within the court.*

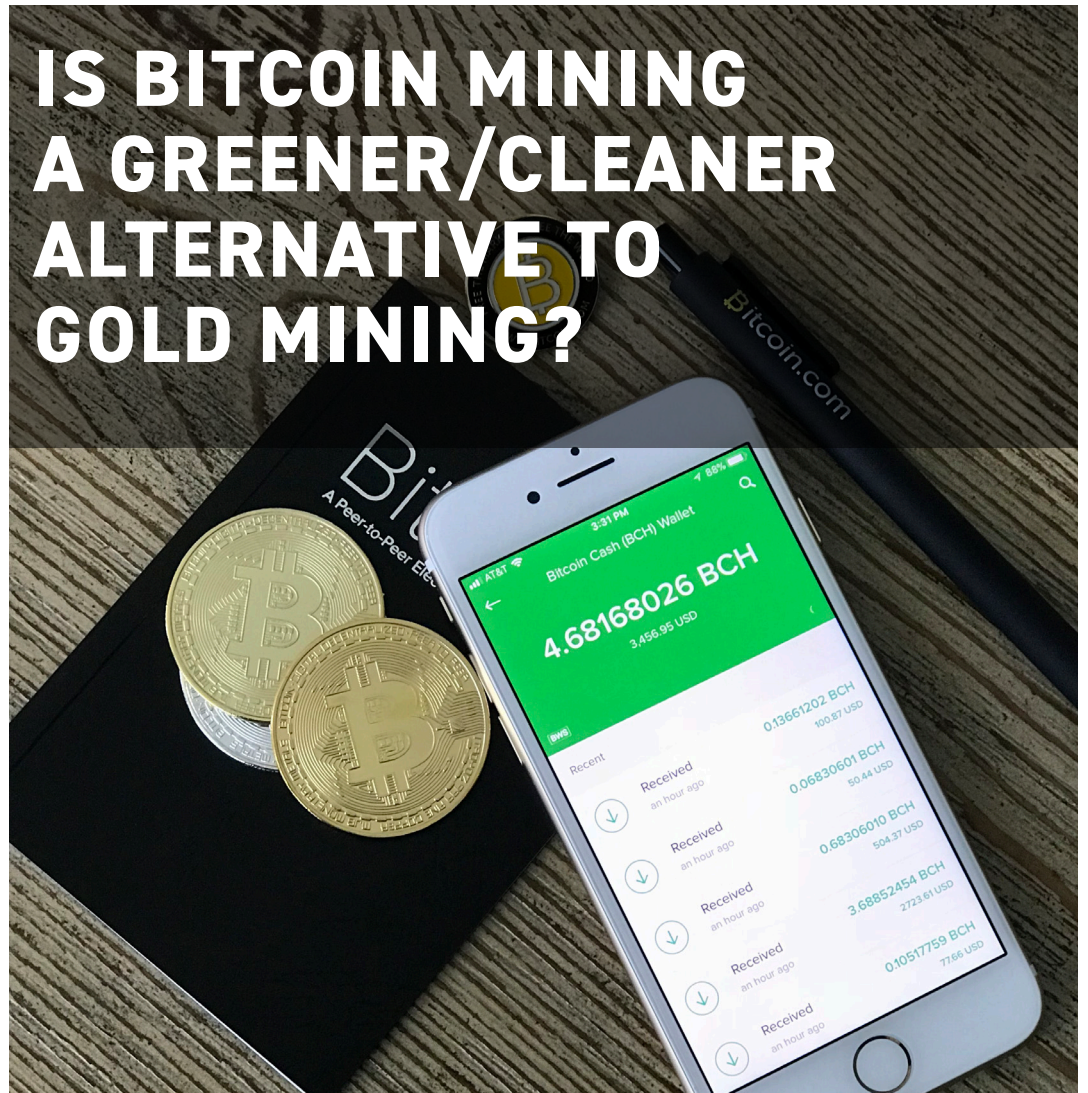
### Brief

I'd like to learn how people approach developing a new skill for the first time, particularly when you should already have a good foundation in the subject matter.

### Background

I'm open to getting coaching but I'm not sure if that's going to be as helpful as regular practice. Do I need to be intentional or should it be about having fun? My goal is to become skilled enough to have a decent hit - maybe hit a few aces too. I've had one lesson!

# IS BITCOIN MINING A GREENER/CLEANER ALTERNATIVE TO GOLD MINING?



Challenge by  
John Paul Canonigo

*Despite its huge promise, many critics have homed in on Bitcoin's carbon footprint, arguing that mining is a huge waste of energy that is damaging to the environment. But is the environmental impact as great as some might fear?*

### Brief

Comparatively, how do we compare both bitcoin and gold mining in terms of total costs, labour, and potential environmental impact involved throughout the process of extracting the maximum return of investment? By determining the figures and numbers, it will give us a clear insight as to what changes have to be made in order to make both mining activities greener and environmentally-friendly.

### Background

Gold has always been the most traded commodity for thousands of years. It has helped shaped history as empires and nations rise and fall. Although the global economy is closely tied to the gold standard for most of the 19th to the 20th century, most of the rich and developed countries have substantial gold reserves.

The growth and emergence of bitcoins and other cryptocurrencies have become the digital alternative to gold in this day and age.

Although gold mining, just like in the times of the great Gold Rush, requires a lot of resources and manpower to convert ore materials into precious gold bars, bitcoin mining is surprisingly a costly endeavor as well. But figures have shown that gold mining is 23 times more energy-consuming than Bitcoin mining as statistics go beyond the ore to gold bar conversion since the cost also covers paper currency and minting, banking systems, and governments.

JOIN DISCUSSION

# BEST TIPS FOR STARTING UP YOUR OWN ONLINE BUSINESS?



Challenge by Kate Russell

*Despite a 4 year business degree, we are only taught so much when it comes to the logistics of setting up your own startup company.*

JOIN DISCUSSION

## Brief

With the graduation from my marketing degree quickly approaching, my dream job of owning my own online fashion business is on the horizon. Although this is an undoubtedly exciting milestone, it is also daunting as we are only taught so much in university. To be completely honest, I'm not sure where to even start...

Essentially, I'd just like to know how to get your feet off the ground - from website creation, to sourcing suppliers, to just getting your name out there - anything at all! What are some of your biggest tips for starting your own business that you've had to learn first-hand in the industry? Where should I begin as an entrepreneur with little to no experience?

## Background

I know all the ins and outs of marketing - quite obviously with my degree. But I'd like more insight into the things you don't really learn while studying... the whole logistical side of starting up a business. Once all the appropriate insights are gained, I'll apply them to my business strategy and hopefully get my feet off the ground!

# FEMALE FOUNDERS HUB

Challenge by Female Founders



*This is it - the village!! A strategy & support network to help female founders raise our businesses and get stronger together. This is YOUR space - use it freely to ask questions, share insights and collaborate.*

## Brief

Based on the Achieving Scale: breaking through barriers for Female Founders study it became clear that for many female founders our business support networks are intertwined with our personal networks.

When this issue was raised at the recent Female Founders think tank - the message was clear. We need a dedicated space 'a village' for female founders to ask questions and get support from female founders who have been in their shoes - whether it be around business literacy, funding or operations.

This is that space. YOUR space for female founders to connect and engage how you need to thrive and scale - if that's what you wish to do.

JOIN DISCUSSION

# WHAT'S THE FUTURE OF CONSULTING?



**Bruce Muirehead**  
CEO & Founder | Mindhive

*According to Former Boston Consulting Group consultant and Harvard Business School Professor, the late great Clayton M. Christensen (1952–2020):*

*"We're still early in the story of consulting's disruption ... More likely than not, alarms won't sound until it's already too late in the game."*

## Brief

We've been approached by a national finance newspaper to speak to one of our Mindhive community members.

It's an interesting request. They're looking into the disruption to consulting. Essentially the insight marketplace. The big four consulting firms are reinventing their business model, and partnering with startups like Mindhive for digital access, speed and scale, and global crowd-sourcing of insights and ideation.

We've felt the change in the past few months. You may have too. Last week the United States comprised 50% of our internet traffic. As you know we welcomed Karen Whenan as our 10,000th member and we've experienced a seemingly explosive growth rate.

So what's going on here? Seems' we're turning to online communities, and remote collaboration is on the rise.

If you are a member of Mindhive, and you previously worked in one of the big four consulting firms in your country, the Australian Financial review would be interested in talking with you about the transition.

There's interest in follow-up stories too. So if you are interested and working in the insight and ideas marketplace, and open to sharing your thinking on the future of insight, please let me know and I will include you as a contact for future articles.

## Background

Former Boston Consulting Group consultant and Harvard Business School Professor, the late great Clayton M. Christensen (1952–2020), first used the words 'disruptive innovation' in the mid-1990s when Google was just another search engine.

In his best known work, *The Innovator's Dilemma*, Christensen outlined his theories about the impact of disruptive innovation on large companies.

This book catapulted him to superstar status as a management guru.

The alternative title to his book could have been: "When doing the right thing can be the wrong thing."

To understand why, here in a nutshell, is how disruptive innovation works:

1. Large companies focus on growing revenue and fattening profit margins, so they develop products to satisfy the demands of their most sophisticated customers
2. This looks and feels like a successful strategy, but it ignores the needs of the less sophisticated customers, who may eventually form a larger and more lucrative market
3. A start-up can introduce a simpler product that is cheaper and gain wide adoption
4. Through agile and lean innovation, the start-up can refine its product and capture more of the market, thus disrupting the original company

[JOIN DISCUSSION](#)

# FUNDING FEMALE FOUNDERS

## Challenge by Female Founders

1 in 3 female founders are concerned about not having the funds to grow their business. Yet post COVID investor dollars are harder to secure than ever. How can we break through the barriers and is funding really the silver bullet for achieving scale?

### Brief

In the 2020 report - Achieving Scale: Breaking through barriers for Female Founders:

- 64% of female founders reported using personal savings as the primary source of funding
- 58% of female founders identified cash flow as a primary concern in the next 18mths
- 35% identified cashflow as a prime barrier to growth

Yet, less than 9% of respondents under \$500K reported receiving investment/capital raising to fund their business.

In the tough investment environment post-COVID, how can we as an ecosystem support female founders in accessing the funds required to scale?

[JOIN DISCUSSION](#)


# TOP 10 DEEP TECH - SOFTWARE STARTUPS

## Challenge by Issac Elnkave

*'Deep Tech' means different things to different people.*

*If you had to nominate your top Deep Tech software startup - which one would it be and why?*

*What is the huge and insanely difficult problem they are solving?*

### Brief

In many ways the top deep tech firms are a proxy for what we believe are the most important challenges facing today's and tomorrow's society. I'm interested in the pioneers, the trail blazers, the visionary founders and their backers.

### Background

I really could not find a list of the top deep tech firms of the 21st century.

[JOIN DISCUSSION](#)



## AGTECH - LOWERING THE CHEMICAL INTENSITY OF AGRICULTURE

Challenge by  
Tech23 DeepTech Festival

Circle Leader:  
Sarah Nolet, Founder  
& CEO, Agthentic

### Brief

Contributors: TBC

### Background

Tech23's Impact Circles are an interactive opportunity for curious minds from across Australia and beyond to come together around the big opportunities Australia has to create new industries, smarter solutions, and a better world.

Tech23's Impact Circles invite attendees to explore and canvas what existing, potential and future deeptech customers, investors and collaborators may want – while helping conversations to flow and connections to be made!

The Circles will attempt to connect those who are willing to create, back, invest, partner and buy solutions that are seeking to chip away at some of our biggest challenges.

# DISCUSSING LIFE AFTER MORMONISM



### Challenge by San Glen

*Is there one? How do you transition? What things can I expect? This is a place where you can freely and openly share your experience of life after leaving mormonism, and ask genuine questions about the process. It is not: - a place to belittle people or other people's experiences - go into a lengthy post about every single qualm you have - name and shame people who may have played a part in your transition journey. This is: - a friendly and respectful place for productive and constructive dialogue, to help people on their faith transition - a place where people can ask genuine questions about life after mormonism - a place where you can critique or evaluate positions/doctrines of the church without reprove. Please be respectful and open. Everyone is at different stages in their journey. Remember what it was like when you started yours.*

### Brief

What experiences led you to your decision to leave the church?

What opposition/support did you face when you decided to leave the church?

How could things have been handled differently, by you, the organisation, friends, family?

What kind of support or aids do you wish were available then that, with the benefit of hindsight, you think would have helped you through the process?

What are some lessons or experiences you have had which have helped shape your perspectives since leaving?

### Background

A lot of people have described feeling isolated or rejected by their community after leaving the church.

What conditions led to this behaviour? How can this be avoided or mitigated in the future?

In what ways can we as a community better help people who are going through their faith transition?

What we hope to achieve through this discussion, is helping people find a way through the complex and challenging process of transitioning from mormonism, to whatever they identify with since leaving.

Religion plays such a fundamental part of your life, especially if you're raised in the religion, so how do you constructively deal with this transition even though it may come as a shock to yourself and those around you?

JOIN DISCUSSION



# HOW NUTRITION CAN HELP REDUCE THE IMPACT OF COVID-19 ON OUR LIFE?

Challenge by Prashant Sawant

*Medical scientists are still struggling with medicine and vaccine development although diagnostic kits are approved by USFDA. Herbal medicine may be useful for virus treatment (as a secondary route) along with aromatherapy which may boost cognitive health. Please share your thoughts or research.*

## Brief

Medical scientists are still struggling with medicine and vaccine development although diagnostic kits are approved by USFDA. Herbal medicine may be useful for virus treatment (as a secondary route) along with aromatherapy which may boost cognitive health. Please share your thoughts or research. alternative or traditional medicines or therapies may help reduce the impact of viruses on life in many different ways. We need a collaborative approach rather than working in silos. Please share your research or thoughts.

## Background

Herbal medicine and aromatherapy are known to reduce the impact of diseases including viruses. However, these methods are not mainstream treatments recognised by regulatory bodies for obvious reasons. However, with the traditional knowledge we may find some therapies that can be partially useful to people under current restricted lifestyle.

[JOIN DISCUSSION](#)

# REIMAGINING THE NEW WORLD FAIR

Challenge by Duncan Davidson

*We will emerge from COVID with a new world, what will we build? The New World Fair is a reimagining, using an online World Game to conceptualize new city architectures and then build them in the Spectacle of Fair Grounds around the Globe.*

## Brief

We think the next world's fair should be digital as well as physical, and engage the world not just the show off the sponsoring country. We envision a World Game to start, a super SIM City to enable people to build their own Cities of the Future in the Fair. We add our version of X Prizes to encourage breakthroughs like

fusion power or utility scale batteries.. We involve leading artists and city planners to get the best minds in the dialog. And yes we expect a Spectacle in multiple venues around the world.

## Background

check the manifesto [Join Discussion.](#)

# THOUGHTS ON COVID-19 VACCINE?

Challenge by  
Chris Cooper

*According to your knowledge, what do you have in words to offer regarding the COVID-19 vaccine?*

## Brief

From countries claiming to have the vaccine developed by them to the health officers estimating the time for it to be out of an year, there is a lot of fuss going round the bend.

## Background

Russian establishment reported some time back that its antibody applicant has had striking accomplishment in a viability preliminary, only 2 days after the generally commended news from Pfizer and BioNTech that their vaccine had more noteworthy than 90% adequacy. The Russian report, notwithstanding, is being met with caused a stir—and some inside and out roars.

Many health experts have told that it might take from months to an year for the vaccine to be available.

[JOIN DISCUSSION](#)

# CAN WE HALT CLIMATE CHANGE WITHOUT THE SUPPORT OF FOSSIL FUEL INDUSTRY?

Challenge by Michael Haines

*Unlike the Tobacco industry which has no redeeming features, we could not enjoy the fruits of the modern world without Fossil Fuels. Demonizing the industry does nothing to achieve the change we want. This discussion explores how we may get the industry on side very quickly.*

## Brief

The most straight-forward way to achieve the change across the Fossil Fuel industry (including users) is to offer securities that operate to EITHER keep fossil fuels in the ground and substitute renewable sources, OR to capture and store the emissions; using space-based and drone sensors to monitor compliance.

In summary, the securities could be issued via the International Monetary Fund as Special Drawing Rights (SRD) (effectively global money) that would provide cash flows to the fossil fuel industry to change course.

As it is a global problem, the SRD's provide a global solution that can be paid to any organization in any country (subject to audit) to deliver the most cost-effective solutions.

All companies that extract/use fossil fuels could bid for the SRD's.

The winners would be those that offered to contain the most CO2 for the least annual cost over any given period. They would be

switching an uncertain cash flow (from the on-going exploitation of their resources) for a certain higher cash flow from the SRD's (otherwise they would not make the bid).

The benefit for society is that we get more and more companies to make the switch to renewables and certified capture and storage. Given the certain cash flows from the SRD's, the faster a company could develop a lower cost alternative, the higher their net gains from the SRD's.

The only limit on making the switch is global capacity. With advances in manufacturing, materials sciences, AI and Robotics occurring at ever faster rates, there is no sign we are near the limit.

## Background

We know that while we demonize the industry we will always get push-back.

There is also a huge number of people whose livelihoods are entwined with the industry from plastics and drugs to transport, as well as governments reliant on taxes and royalties complicated by the subsidies they also provide the industry. We cannot simply cast them adrift. As we all benefit from saving the climate, we should all share the cost and not simply offload it to the 'industry'.

This is a good overview from McKinsey of the challenges and main responses:

[The 1.5-degree challenge Holding warming to 1.5°C above preindustrial levels could limit the most dangerous and irreversible effects of climate change.](#)

It indicates we really need the industries impacted to come on board.

Paying them to make the necessary changes is a sure way to do it... as long as there are really strong audit functions. The audits could be thrown open to the community - if they are given access to the data, as well as using space based and drone monitoring.

This TED talk also suggests we need the fossil fuel industry on board to tackle climate change:

[Myles Allen - Fossil fuel companies know how to stop globalwarming why don't they?](#)

This link explains how the SRD proposal would work in more detail: [Let's Make Big Coal/Oil/Gas a Partner in the Shift to 'Clean' Energy Money is key to the economy and how society as whole functions.](#)

It first allows us to measure (often imperfectly, especially in the case of the finance sector) the contribution a person makes to economic activity (It doesn't measure valuable contributions outside the paid economy, like volunteer work or caring for fam-

ily, etc which accounts for about 50% of all valuable 'work'). This money allows the 'worker' to take back out of the economy an amount equal to what they contributed (as they spend).

Secondly, it allows people to signal their needs to the market. Without money, we are invisible to the market, so the market can never respond to our needs (About 50% of the pop cannot do paid work: young, old, many disabled, their unpaid carers and those between jobs).

And thirdly, crucially for this topic, it allows the holder of money to direct how our resources are employed to what ends. The Chinese have learned that it is possible to create money to spend in the market to direct outcomes that are socially desirable. (eg building the world's largest high-speed rail network in record time). The West is just realising the need and ability to create money for socially desirable purposes as a result of the Pandemic. This includes making the switch away from technologies that emit CO2 into the air

JOIN DISCUSSION

# X-PRIZES FOR CLIMATE EMERGENCY ACTION

Challenge by David Lee



**X-PRIZES ARE PUBLIC COMPETITIONS INTENDED TO ENCOURAGE TECHNOLOGICAL DEVELOPMENT TO BENEFIT HUMANITY. WOULD THIS BE A FEASIBLE COURSE OF ACTION TO ACCELERATE CLIMATE ACTION IN AUSTRALIA?**

JOIN DISCUSSION

## Brief

The Australia Institute recently released its Climate of the Nation 2020 report which highlights that 80% of Australians think that we are already experiencing climate change. ABC has conducted a poll showing that 60% of Australians want immediate action and a further 24% of Australians want some action. However, there has been minimal government action or targets at a national level. X-Prizes have been used in the past to accelerate technological development for the benefit of humanity. eg the ANSARI X-Prize was used to jump start the space industry when the US government refused to fund the design of a new space shuttle.

Would it be feasible / worthwhile to start a crowdfunding campaign for donations to create X-Prizes for climate action in Australia? eg If 66% of Australia's 20m citizens donated \$10 each, we could put up a public prize purse worth \$130m.

If X-Prizes would be worthwhile to kickstart climate action, how should the competition be structured? eg we could have multiple categories for different renewable energy plants. A prize for small community co-operatives that install the most renewable energy by 2030; a prize for large commercial enterprises >1GW that install the most renewable energy near fossil fuel industries (to enable a just transition) by 2030; a prize for corporations that have the largest generation capacity using installations between >10MW and <1GW.

Would the lure of these prizes be of sufficient incentive for communities, companies and large corporations to accelerate investment in renewables?

Are there alternative prizes or ways to spend this money that could maximise the amount of climate action from donations?

## Background

In the ABC's poll, Australians said that we're willing to chip in at least \$200 each year on average. The average amount Australians said they would personally be willing to spend each year was calculated using the proportions who chose each of 6 brackets: nothing at all (21 per cent); less than \$100 (18 per cent); \$100-500 (28 per cent); \$500-1000 (10 per cent); \$1000-2000 (5 per cent) and more than \$2000 (4 per cent).

(A further 13 per cent said they "didn't know"). This calculation was done using the lower end of each bracket, to provide a conservative estimate.

The total amount Australians were willing to spend to prevent climate change was calculated using the number of Australian adults at the 2016 census (19.4 million), multiplied by the proportion who chose each bracket, multiplied by the lower end of the bracket. This equates to \$4B.

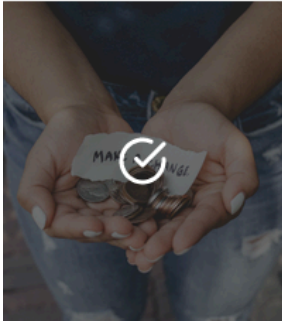
## MINDHVR

MINDHVR is a wonderful snapshot of the questions seeking insights inside our global insight community. If you are a member of Mindhive we hope that it shines a light on the activity from each corner of the community. If you aren't yet a member, we hope you find something of interest to engage. The global Mindhive journey continues to bring its many learnings on both a professional and personal level.

We need new forms of considered conversation, clarity- and action. The challenges our local and global issues raise for our collective future demand it. The Mindhive community of some 10,000 have committed to building a platform enabling conversations, holding a creative dynamic tension, and rewarding the asking of questions. It's for this reason, we are proud to launch a new experience -

Mindhive Premium. We want all our community to be able drive their own Mindhive. Premium gives unlimited access via Mindhive's app Wax to the most insightful thinkers and does you won't find anywhere else. The opportunity to host unlimited private discussions, and receive exclusive thought leadership blogs. Continue to grow your own insightful network and together we can create a more insightful world.

# RECENTLY COMPLETED

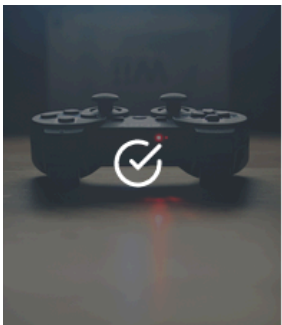


**Luke Hayes**  
Catalyst

## How to find a Rental on Job Seeker with no savings?

There are nearly 2 million people in on this wage! No wonder so many people hate politicians, bankers and entitled white collars who believe in trickle down market economics. I have just received notice that I have 2 weeks to find a new place to live or find a room mate who can take on the lease and I sub let off the...

📅 Challenge is closed 👥 3 📍 Work, Justice, Lifestyle, Culture, Community

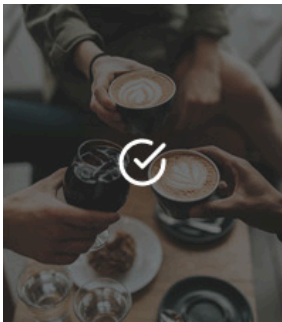


**Charles Rivers**  
Strategy | Partnerships | Innovation

## Logistically, did Sony and Microsoft mess up their next-gen console release?

The five-year-ish cycle is up and the next-generation console is released. You know it's a big deal as second and third wave pre-orders are sold out. But you've managed to not make enough units and the world waits deep into the new year for more. Did Sony and Microsoft miss out on the opportunity to...

📅 Challenge is closed 👥 16 📍 Business

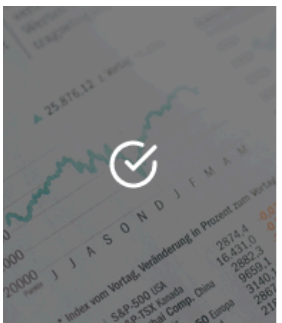


**James Hiphelm**  
Freelance Writer

## The future of work is remote, but I miss...

I miss in-person collaboration.  
I miss meet-ups in-person.  
I miss seeing clients at their HQ. ...

📅 Challenge is closed 👥 26 📍 Business, Digital Life

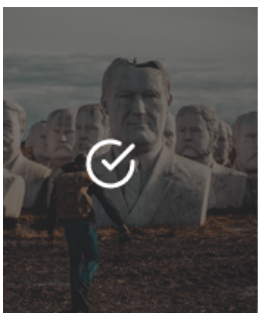


**David Ryan**  
Innovation Consultant at QUT CEA

## How can we best understand and mitigate new forms of business disruption?

At the start of a new decade we have been reminded of the unintended consequences of highly disruptive world events. Not just on specific international issues, but on our daily homes lives and the very nature of how we work. Raising the question of how we collectively identify (and mitigate) other potential...

📅 Challenge is closed 👥 11 📍 International, Digital Life, Politics, Work, Culture, Business



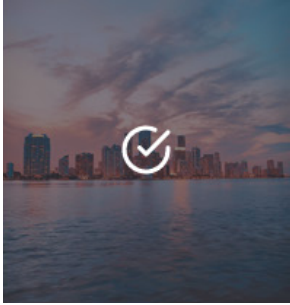
**Chris Lowe**  
Sane Conscious Human

## Serving a Constituency vs Maintaining Power - Adjusting the Balance

The focus of government has dramatically shifted away from service to gaining and maintaining power.

📅 Challenge is closed 👥 15 📍 Politics, Community, Culture

# RECENTLY COMPLETED

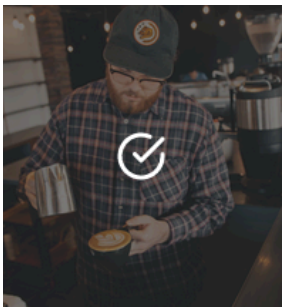


**RB** Riannah Burns

## The "Any Job" Mindset

Final semester student

📅 Challenge is closed 👥 7



**Mindhive**

## How to find a job post-COVID?

Students, what are you worried about?

Employers, What advice can you give graduating students? We are giving away \$300 cash to the most insightful comments. Let's discuss ways to connect graduates with employers in the aftermath of COVID.

📅 Challenge is closed 👥 109 🏷️ Business, Politics, Lifestyle, Education

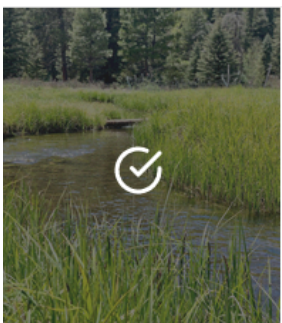


**Luke Ball**  
Marketing Co-ordinator

## The question Musk we ask - Where should Australian Government's Energy funding go for our COVID Recovery ?

Atlassian's Mike Cannon-Brookes in talks with Elon Musk, calling for alternatives to Morrison's plan

📅 Challenge is closed 👥 15 🏷️ Business, Politics

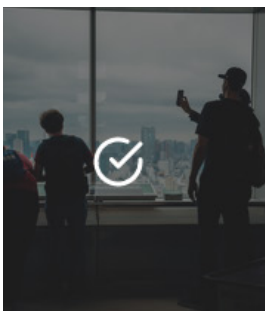


**Lori Modde**  
Managing Director

## Outdoor Education needs to return for our kids

In NSW right now, school kids can not attend school camp, yet the businesses in this sector are allowed to operate under public health orders and have covid safe plans in place to mitigate the risk of transmission. I welcome people's comments on this as we need to get camps back to business before we lose them...

📅 Challenge is closed 👥 9 🏷️ Business, Community, Education



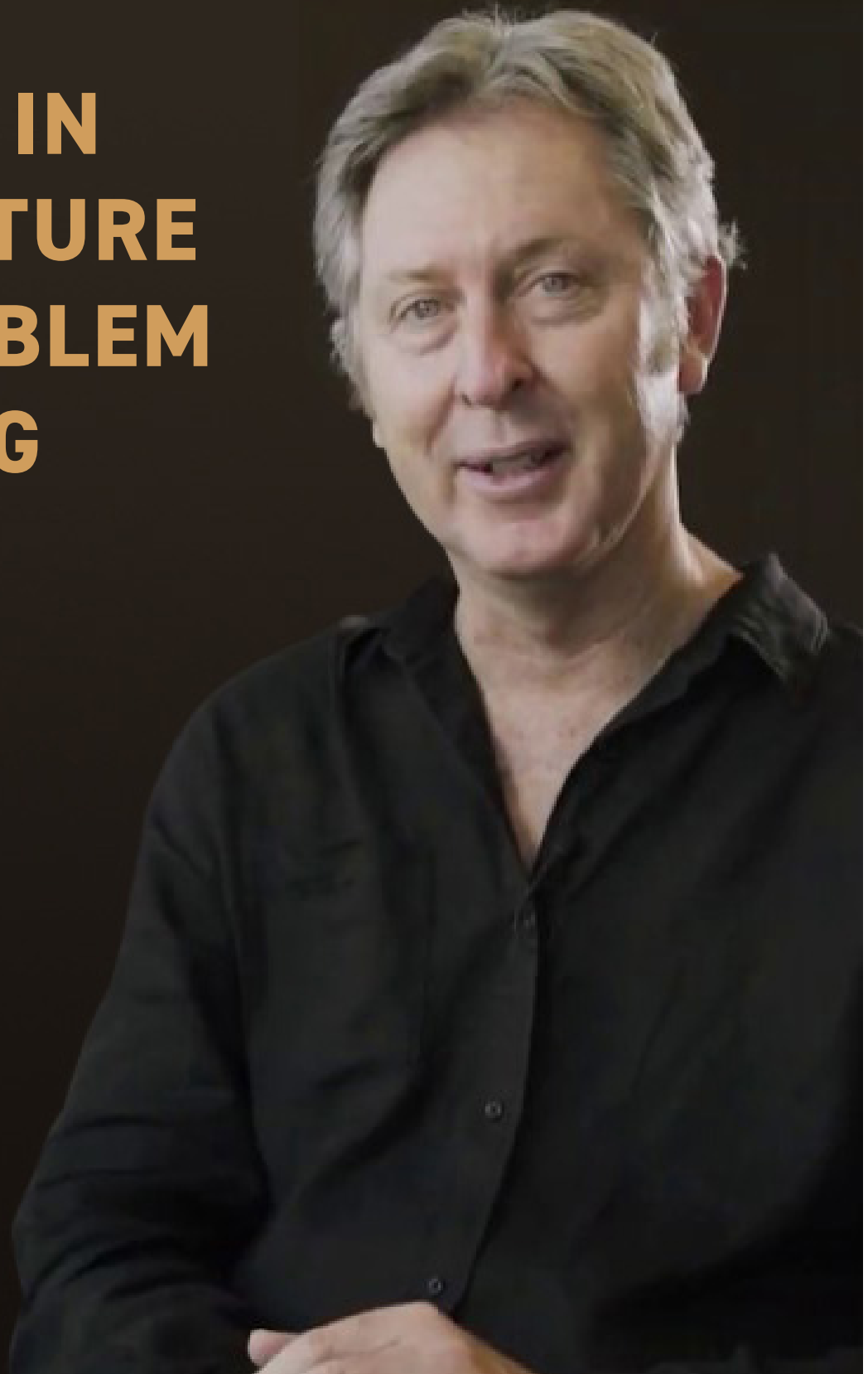
**BL** Bloom Love

## Pandemic Challenges

How pandemic change the way we work and think

📅 Challenge is closed 👥 2

# INVEST IN THE FUTURE OF PROBLEM SOLVING



## **Mindhive.**

Mindhive is a platform for the meeting of minds. A space for thinkers and doers to get together, take on challenges, share thoughts and tackle real issues.

## **Our Vision**

To be the world's largest and most technically enabled crowdsourcing consultancy  
Something Bigger

## **Our Values**

We are altruistic, abundant thinkers, and achievers. So we speak with a considered clarity. That means we are respectful, pointed, and enlightening.