

**NOTE:**

**This document has been put together from the “Solutions from the film” webpage of the Regenerating Australia website so that, in a single document, the full details are to hand. It is sourced from <https://theregenerators.co/regenerating-australia/solutions-from-the-film/> as a starting page, and expands each of the 15 “solutions from the film” by including the detailed “learn more about” link details. Hyperlinks are retained.**

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## **What would Australia look like in 2030 if we simply listened to the needs of its people?**

Regenerating Australia is a 17-minute short film based on a four-month interview process with a diverse group of Australians who shared their hopes and dreams for the country's future. Set on New Year's Eve of December 2029, a news anchor is ending the nightly bulletin with a look back at the decade 'that could be'; a decade that saw Australia transition to a fairer, cleaner, more community focused economy. The film is a construction of news reports and press conferences featuring high profile journalists, politicians, business leaders and citizens such as Kerry O'Brien, Sandra Sully, Gorgi Coghlan, Patrick Abboud, Larissa Behrendt and David Pocock.

<https://theregenerators.co/regenerating-australia/educators/>

## OVERVIEW

Regeneration is about bringing vitality and renewed growth to our communities and our ecosystems, and putting LIFE at the centre of every action and decision.

The film depicts an aspirational and compelling pathway forward for Australia. It is a story of solutions, community and empowerment, and a glimpse at a future that we are capable of creating together. Upper Primary and Secondary students will enjoy the uplifting tone of the film. The mocked-up scenes portraying what Australia's transition to a regenerative economy could look like, helps to deliver these concepts in an accessible and entertaining way.

The supporting curriculum has been designed to empower and inspire students - inviting them to ignite their imagination and dream up a positive and regenerative future for Australia. The lessons will provide opportunities for students to deep dive into some of the key themes that the film covers, as well as explore the cascading social and environmental benefits of the solutions.

The film covers key themes of:

- Indigenous knowledge
- Reinvigorating democracy
- Zero emissions transport
- Energy resilience
- Regenerative Agriculture & Food
- Carbon sequestration
- Circular economy & Waste

An important premise of regeneration is to find the best solution or idea for your specific region. Some solutions will be more appropriate than others.

Here we have summarised the solutions shared in the film as collective responses to the dilemmas we face.

1. [Upgrade democracy](#)
2. [Embed First Nations wisdom](#)
3. [Adopt community energy](#)
4. [Build a scaleable, renewable energy infrastructure](#)
5. [Build cleaner long distance travel solutions](#)

6. [Embrace cleaner personal & public transport](#)
7. [Create a regenerative and secure food future](#)
8. [Restore national water cycles](#)
9. [Change what we measure & incentivise](#)
10. [Create locally focussed circular economies](#)
11. [Restore & regenerate habitats](#)
12. [Protect plants & animals](#)
13. [Cultivate a regenerative culture](#)
14. [Bring nature into our living spaces](#)
15. [Heal our relationships to self & others](#)

## SOLUTION 1: UPGRADING DEMOCRACY 2.0

We have a lot to be grateful for with Australia’s democracy - preferential voting that ensures the least liked candidate never prevails, compulsory voting that ensures politicians have to reach a wider voter base, and an independent electoral commission that doesn’t favour one particular party.

However, we also need to acknowledge that aspects of our democracy are failing us. A majority of the Australian public want less money in politics and greater transparency. Political parties in Australia collectively received \$168 million in donations for the financial year 2019-20 but the public are unable to find out where half that money came from. What also became clear in our research is that most Australians want a greater say in their local communities. They feel that too many decisions about their region are being made by state or federal governments that are too far away.

It was also clear that some voices are not being heard or represented in our democracy. This includes the voices of the First Peoples, the voices of youth and for some, the voices of nature.

Some of the solutions in this collective response you may have seen in the film include:

- Community-led politics
- Online voting tool
- Participatory Democracy and Budgeting
- Youth Parliamentary Advisory Council
- Federal Anti-Corruption Commission
- First Nations Voice to Parliament
- Ecological Law

Learn more about [Upgrading Democracy](#) and the actions you can take.

### DETAILS:

Experiments are demonstrating that it is possible to regenerate democracies by giving ordinary voters a greater voice and influence with their representatives. To transform a system, it works best to start at the source and origin – in local, regional and provincial elections. If voters connect with the process, and that is very likely, it can migrate to federal levels. These experiments come at a time when technologies like blockchain may allow us safe and secure new voting methods or robust and transparent displays of government budgets and accountability.

### **Why do we need to upgrade democracy?**

Just as there is a pharma industry, a car industry and a banking industry, there is a politics industry - invisible, yet in plain sight. It may be one of the most destructive industries in the world, because it creates campaigns and ads that reject, downplay and mock climate science or other ecological threats. This slows adoption of policies and legislation that would benefit us all. The politics industry is also paid to polarise and to broadcast disinformation. It is a global multibillion-dollar industry that thrives on discord, conflict and opposition, and it accomplishes this by dehumanising opponents. Dehumanisation is another form of degeneration. We cannot regenerate in a degenerative political climate.

The politics industry is not designed or intended to serve voters. Like all industries, it serves itself. World over, most people realise that their political systems are corrupt, dysfunctional, and/or unworkable. There are notable exceptions in northern Europe, but they highlight how politics has become the single greatest obstacle to planetary regeneration.

### **How are others attempting to Upgrade Democracy?**

There are many ways that people around the world are attempting to upgrade democracy. Below is a small sample. If you have any further examples that you think should be on this list, please [get in touch](#).

### **Participatory Democracy & Budgets (Citizen Juries)**

In many countries, frustrated citizens are reclaiming democracy by finding candidates that represent the values of their community - not candidates that represent the values of corporate or vested interests. They are also coming together to make decisions themselves.

Participatory democracy and budgeting is a movement that started in Brazil in the late 1980s and has taken off around the world. Citizens come together in groups to decide outcomes in their communities. Some are allocated government budgets, while others meet as 'juries' to assist in local decision-making. Studies show that the process benefits a wider range of the community.

### **Online voting tool**

Advances in blockchain technology are making secure online voting a possibility for the future. Some countries like Japan, Sierra Leone and the USA have already experimented - with varying success. Estonia continues to lead the way; it was the first nation to hold legally binding online general elections in 2005.

### **Youth Advisory Council**

The Danish Parliament has recently established a Youth Advisory Council that consults the government about issues of concern for younger generations. Given the impacts of climate change, the housing crisis and other social issues will be strongest felt by the next generation, isn't it time for other countries to follow Denmark's lead?

### **Federal Anti-Corruption Commission**

It is very clear that Australians and other global citizens have lost trust in its politicians. One way of bringing that back is through a powerful and independent federal corruption watchdog. While no silver bullet, it would provide a sense of security for voters that their politicians' decision-making process is fair, honest and free of influence.

### **Ecological law**

#### **(protection and rights of nature)**

Ecological law and Rights of Nature has taken off around the world in the last decade. There are now over 400 meaningful cases underway. Rights of Nature grants legal personhood to ecosystems, with famous cases including the Whanganui River in NZ and the country of Ecuador. Many argue that we grant legal personhood to corporations, isn't it time to also grant them to the natural systems we depend on for survival? We may be hearing a lot more about 'Ecocide' in the future.

### **Actions**

Donate to support the creation of a fairer, more robust democracy

Learn more: <https://theregenerators.co/action-areas/harmonise-the-system/upgrade-democracy/donate-to-support-the-creation-of-a-fairer-more-robust-democracy/>

Donate to support the creation of a fairer, more robust democracy

Support organisations who are campaigning to revitalise our democratic system and experimenting with new methods of decentralised decision-making that values community participation.

The Global State of Democracy 2021 report by IDEA (Institute of Democracy & Electoral Assistance) found that “for the fifth consecutive year, the number of countries moving in an authoritarian direction exceeds the number of countries moving in a democratic direction”. Trust in government has reached its lowest level on record but the consequence is impact on freedoms of people living in those countries.

It’s time to reinvigorate our democratic systems and experiment with new models of consultation and decision making that ensures fairness, resiliency, and activates citizens. Fortunately, there are people and organisations who are working hard to campaign for changes to our political systems.

Below are some organisations working to regenerate democracy and ensure that it works for all of us. You can support their work by donating today.

### **Australia**

- [The Australian Democracy Network](#) is creating a healthy Australian democracy that puts people and the planet first. They do this by bringing people and organisations together to campaign for the changes that make our democracy more fair, open, participatory, and accountable.
- [newDemocracy](#) is an independent, non-partisan research and development organisation. Their mission is to discover, develop, demonstrate, and promote complementary alternatives which will restore trust in public decision making.
- [The Uluru Dialogue](#) are committed to seeing a constitutionally recognised First Nations Voice in Parliament, representing the cultural authority of the [Uluru Statement from the Heart](#) and leading community education on their reforms of Voice, Treaty and Truth.
- [From the Heart](#) is an Indigenous owned and run campaign, who champion and campaign for the Voice to Parliament to be constitutionally enshrined, urging Australian people to come together through a referendum to make change.
- [The Community Independents Project’s](#) mission is to get community-backed independents elected. The project provides a forum for networking and sharing ideas, funding to further the purpose of getting Community Independents elected to Parliament, and amplifies how and why Community Independents can change Australian politics for the better.

Donate to the legal fight to protect our environment:

<https://theregenerators.co/action-areas/harmonise-the-system/upgrade-democracy/donate-to-the-legal-fight-to-protect-our-environment/>

Donate to the legal fight to protect our environment

Financial support for environmental justice and law reform is vitally important for defending at-risk land, wildlife and communities.

Tapping into existing participatory democratic processes and legislation is an important part of fighting to protect our environment. We often hear of communities, wildlife and land that are under threat from government or industry as a result of development, pollution and environment mismanagement. It's important to ensure that our environment laws are as robust as possible to better protect and defend Australia's land, air and water. To do that we need to support law reform and ensure those under threat are able to receive justice and access to litigation when laws are contravened.

Providing financial support for the organisations fighting environmental cases underway is something you can do right now.

#### Environmental Defenders Office

Environmental Defenders Office (EDO) is the largest environmental legal centre in the Australia-Pacific operating in 8 offices around the country working with farmers, conservation groups, Traditional Owners and people from all walks of life by providing access to justice, running ground-breaking litigation and leading law reform advocacy.

- [\*\*Donate to help power the legal fight for climate communities and wildlife\*\*](#)

#### Environmental Justice Australia

Environmental Justice Australia is a national public interest legal centre that uses the law to empower communities to protect and regenerate nature, to safeguard climate and to achieve social and environmental justice.

- [\*\*Donate to support justice for nature and community\*\*](#)

Donating to support habitat regeneration and protection is part of a larger collective response. Click here to read more.

Know of any other groups or resources? Let us know.

#### Participate in community-led recovery:

<https://theregenerators.co/action-areas/harmonise-the-system/upgrade-democracy/participate-in-community-led-advocacy/>

#### Participate in community-led advocacy

Democracy is strengthened when the voices and values of our communities are represented in local decision making and all the way up to parliament. When we actively engage as citizens, we can shape future policies and make-up of parliament.

Check out the actions below to start or form a local community advocacy group and get involved in encouraging your political representatives to vote on the issues that matter most to you.

#### Climate for Change

Climate for Change supports people to have effective conversations about climate change, and to take actions that will inspire others.

- [\*\*Join or start an MP Engagement Group\*\*](#) - all you need to do is to turn up with your laptop or tablet, and Climate for Change will show you easy ways to contact your elected representatives and make a difference.

#### “Voices” grassroots groups

The “Voices for” or “Voices of” groups are community-led advocacy groups that are being organised across [Australia](#).

- [Join or start a “Voices of” group](#) - this Wikipedia page is an up-to-date list of all these groups.

#### #OurDemocracy

The #OurDemocracy campaign is a collaborative campaign developed with input from individuals and organisations across Australia.

- [Survey your community](#) - join with others and survey your communities attitudes on political donations, corruption and transparency in politics for the National Integrity Survey.

#### The Community Independents Project

The Community Independents Project’s mission is to get community-backed independents elected. The project provides a forum for networking and sharing ideas, funding to further the purpose of getting Community Independents elected to Parliament, and amplifies how and why Community Independents can change Australian politics for the better.

[Sign up](#) to be part of The Community Independents Project network, resources and events. Participating in community-led advocacy is part of a larger collective response. Learn more and find other actions about [upgrading democracy](#).

Know of any other resources? [Get in touch](#).



## SOLUTION 2: EMBED FIRST NATIONS WISDOM



The true regeneration of Australia can only occur through a deep listening and healing process with Aboriginal and Torres Strait Islander peoples. A crucial first step would be enacting a Voice to Parliament. The ripple effect of this decision would likely transform Australia in profound and meaningful ways. For First Nations people, Country is a network of knowledge and wisdom on a grand scale. So in a time of degraded landscapes, species extinction and climate change, isn't now the perfect opportunity to embrace that wisdom and learn from the people who have evolved with and cared for this land for tens of thousands of years?

Some of the solutions in this collective response you may have seen in the film include:

- First Nations Learning and Culture Centres
- First Nations Voice to Parliament
- Native Bush Foods
- Fire Ecology and Cultural Burning

Learn more about [embedding First Nations wisdom](#) and the actions you can take [back to the top](#)

### DETAILS:

#### **Embed Indigenous wisdom**

This response requires us to listen and learn from Indigenous cultures around the world - then integrate these learnings.

There is extraordinary teaching about the earth that is needed, a way of knowing that erases the separation between people and nature, a disconnection that has caused the climate crisis. The knowledge required is already here.

This response also requires us to support efforts to restore cultures that are being subjected to racism, that have suffered trauma, that wish to revive their language and reclaim their sovereignty where it has been violated.

Why do we need to embed Indigenous wisdom?

Indigenous people thrived on land and sea for thousands of years because of intimate knowledge of weather, botany, animals, migrations, medicines, food, forests and the ocean. They practice observational science, discoveries about the natural world gleaned over millennia, etched into metaphor, and conveyed through stories, art and ritual passed down in unbroken oral traditions. Indigenous nations experienced intense war and conflict before

European arrival, and from these crucibles developed advanced mechanisms of peace and coexistence. Worldwide Indigenous people steward about one-fourth of the world's landmass and are struggling to save their traditional lands from exploitation and species extinction.

#### How are others approaching this?

There are many ways that people around the world are attempting to embed Indigenous wisdom. Below is a small sample. If you have any further examples that you think should be on this list, please [get in touch](#).

#### **First Nation's Voice to Parliament**

The regeneration of Australia, and many other countries, can only occur with acknowledgement and recognition of sovereignty for First Nations people. A significant step in this journey for Australia would be enacting a Voice to Parliament; this would be a representative body giving Aboriginal and Torres Strait Islanders a say in law and policy affecting them. Enshrined in the constitution, this body would become an institution of lasting significance for First Nations and all Australians.

#### **First Nation's Learning and Culture Centres**

Regeneration is about place; deeply connecting with and understanding the unique flora, fauna and history of that place. How can we authentically regenerate if we don't know what came before? First Nation's Learning and Culture centres already exist in some parts of Australia. They provide spaces to educate and to create relationships of healing for both people and Country.

#### **Fire ecology**

Fire can either destroy or regenerate a landscape. Indigenous people have used fire for thousands of years to cultivate abundant, productive forests and grasslands. The use of well-timed, low-intensity fires can remove underbrush and regenerate grasses and perennials. In northern Australia, wildfires have been halved due to Indigenous fire ecology practices.

#### **Aboriginal bush foods**

Bush foods are a deep part of Indigenous stories and connection to land. The industry is booming, yet a very small percentage of growers and suppliers are Indigenous people. Many believe that bush foods can be a key driver of reconciliation for many countries. In a changing climate, native foods are going to be essential - as is the wisdom acquired from those who have been growing the foods for thousands of years.

#### **Invest in First Nations leadership and Voice to parliament:**

<https://theregenerators.co/action-areas/harmonise-the-system/embed-indigenous-wisdom/invest-in-first-nations-leadership-and-voice-to-parliament/>

Invest in First Nations leadership and Voice to Parliament by supporting our current and future First Peoples leaders. This can include financial contributions, volunteering, amplifying voices or advocating through campaigning.

Establishing a First Nations Voice in Parliament is crucial if we are to regenerate place and land. A connection with the land, the sovereignty of which has never been ceded, must come with authentic engagement with its Indigenous people. Recognition and inclusion in the spaces of Parliament itself means a constitutionally-enshrined Indigenous Voice within it, ensuring that Aboriginal and Torres Strait Islanders have a direct say in law and policy.

**Supporting the effort is a step towards amplifying and embedding the voices we need to be listening to. Here's where to start:**

It is important to firstly acknowledge that there is no one simple solution to supporting the growth of Indigenous leadership and reshaping systems. The below actions and guidelines were developed by a collective of First Nations People as a first step and guide only. We encourage ongoing learning and respect the work of many before us in offering some ways forward.

**Before we can take action, here are some ways we can deepen our respect and understanding of First Nations people, cultures and place, and strengthen an authentic connection, appreciation & understanding of what we are here to respect and protect.**

**Connect to your own story**

- Connect with your own ancestral story, where you came from and your ancestors' journey, if you can find out.
- Reflect on your own experiences and interactions on this land and the experiences of your ancestors before you.
- Understand your own role, place and connection to the lands that you are on.

**Connect to Country**

- Expand your awareness of Country, from an Aboriginal perspective, as being all living spirits that live on and form our lands, waterways and sky country.
- Understand the concept of custodianship, and that we may not be traditional custodians, but we all have a collective responsibility to respect and protect Country.
- Deepening your value and respect of First Peoples knowledge, cultures, histories and peoples are critical to our futures. The below quote from Uncle Tom Calma encourages us to reflect on the treatment of First of Peoples globally and how without adequate healing and progress, the experience of every person to the nation will be reflective of this.

*'The maturity of a nation is reflective of its relationship with it's first peoples' - Uncle Tom Calma.*

**Engage with your local Aboriginal community**

Below are are ways in which you can connect with your local Aboriginal community to gain a deeper understanding of the Country you are on, as well as its peoples and cultures.

- Connect with your local Aboriginal community members in your neighbourhood, school, community or workplaces. Start with your immediate environment in creating authentic personal connections and relationships with the people and places around you.
- Engage with your local Landcare Councils & Aboriginal Corporations in your area. This can be through attending events, finding out about their work and programs, investing in Welcomes to Country and local speakers, dance or music groups at your events or education settings.

*Note that every Landcare Council and Corporation is unique. There may be opportunities to donate or volunteer with organisations or initiatives specific to your area. Websearch your local Land Councils and Corporations to connect.*

- Remember that you can connect and acknowledge the 'country' that you are on every day. Each day we wake up and walk, live and breathe on sacred Aboriginal lands. Take time to connect, learn from and appreciate the 'country' around you.

**Listen & learn through story**

The sharing of stories and knowledge have been passed down to generations, orally for tens of thousands of years. This cultural practice of learning can be shared with all people, and has deep benefits of listening and respecting Elders, seniors and others who share their wisdom. Stories keep culture alive and we encourage you to sit and listen whenever you can. We learn best when we are present and ready to sit, listen and engage in a safe environment.

- Start by sitting and listening to Country
- Sit and listen to the community around you, particularly local Aboriginal people if you are able to.
- Encourage yarning circles, even informally, so we can share stories and learn from others face-to-face in a safe space.
- We can also learn by listening to videos and audios. There are many incredible Aboriginal-led and focused tv series, documentaries, films, books and podcasts we can listen and learn from.

**Below are some ways we can better educate ourselves before choosing to take action on specific solutions below.**

We encourage to conduct your own research and educate yourself on topics affecting First Nations leadership and governance in Australian politics.

Some questions to consider:

- What are the current federal and state government structures in Australia? How were these built and how do they include and excluded First Nations people?
- What is sovereignty?
- What is self-determination?
- How did Aboriginal government look like before colonisation?
- What is leadership? How do we develop leaders at a political and community level? Why is it important to develop leaders at a community level?
- What is a treaty and some examples globally?
- Why doesn't a treaty exist in Australia and what are the impacts of this?
- What is happening at state levels to develop treaties in Australia?
- How does Australia's current constitution reflect its First Peoples? How have Aboriginal and Torres Strait Islander people been treated in this country and how is this reflected or impacted by the colonial laws and policies of the Australian government?
- What is the Uluru Statement from the Heart? When was it written, what was the process and what is its call to action?
- What does a First Nations Voice to Parliament look like? What currently exists and what is yet to be seen?
- What do I understand and what is my own opinion and biases on treaties in and the current states treaty process?
- Why do we need a First Nations Voice to Parliament?

Invest in and support First Nations leadership and governance in this country

The below are some guidelines to how you can support and invest in First Nations leadership.

**Close the Gap Campaign**

The 2022 [\*Close the Gap Report: Transforming Power – Voices for Generational Change\*](#) has 12 recommendations for large-scale transformation and systemic reform to avoid further preventable deaths and protect Indigenous health, well-being, culture, and Country.

These include the full implementation of the Uluru Statement from the Heart and 2020 National Agreement on Closing the Gap plans, investment in Aboriginal and Torres Strait

Islander-led data development at the local level and the development of an Aboriginal and Torres Strait Islander-led research agenda for health and wellbeing, with a particular focus on the impacts of systemic racism in health systems.

- [Support the Close the Gap campaign](#)

Donate to The Uluru Dialogue

The Uluru Dialogue is committed to seeing a constitutionally recognised First Nations Voice to Parliament, representing the cultural authority of the [Uluru Statement from the Heart](#) and leading community education on their reforms of Voice, Treaty and Truth.

By donating, you are contributing to a national education strategy, led by the Uluru Dialogue and the UNSW Indigenous Law Centre, on a Voice to Parliament enshrined in the Australian Constitution.

- [Donate now](#) - support the journey towards a First Nations Voice in Parliament.
- [Take action](#) - support and take action within your community.

Donate or support First Nations led leadership development programs

We encourage you to research organisations that support First Nations leadership, pathways, governance learning and business in your local area, state or nationally.

Below is a list of organisations that you can support financially or approach to ask how you can volunteer, amplify or advocate for their work.

- Programs that support First Nations business ie [Ngarrilimilli \(VIC\)](#)
- Program that support First Nations youth ie. [Koori Youth Council \(VIC\)](#)
- Local Land Council or Aboriginal Corporations Programs & Initiatives - specific capacity building projects ie [Indigenous rangers programs](#)
- Booking Welcomes, Cultural workshops - builds capacity in community
- Spend money on First Nations community events, businesses, products - supports leadership and self-determination - Supply Nation
- [Welcome to Country Charity Guide](#)
- [Common Ground](#)

National Indigenous Australians Agency

National Indigenous Australians Agency (NIAA) considers grant proposals that address a need for Aboriginal and Torres Strait Islander people. Proposals must be developed with the community or group which will be impacted by the activity. NIAA supports Aboriginal communities in the grant writing application to assist with their projects.

## Volunteer

- Search for any Local Community Leadership Programs

**Community First Development** meets together to listen, yarn, plan and connect skilled volunteers with the community to get things done. Projects are always determined and led by community.

- [Donate here](#)

## Amplify

You can share stories, events and promotion campaigns for calls to action and to raise awareness for initiatives supporting First Nations leadership.

- Education initiatives ie [Common Ground](#)
- [Attend local community events](#)

## **Advocate**

Advocating can look like supporting political advocacy campaigns and writing to MPs.

From the Heart

From the Heart is an Indigenous-owned and run campaign, which champions and campaigns for the Voice to Parliament to be constitutionally enshrined, urging Australian people to come together through a referendum to make change.

'From the Heart is auspiced through Cape York Partnership, which is a First Nations non-for-profit organisation. CYP is a registered charity, with DGR status, and all donations made will be tax deductible and go directly to the From the Heart campaign.'

- [Donate now](#) - to help them prosecute a positive case for a Voice and build more support for a referendum.

Learn about healing country – Indigenous knowledge in land care management:

<https://theregenerators.co/action-areas/harmonise-the-system/embed-indigenous-wisdom/learn-about-embedding-indigenous-wisdom-in-land-management/>

Learn about healing country - Indigenous knowledge in land care management

For Aboriginal people, people, culture, nature and land are all interconnected and each group of people's culture, traditions and laws unique. To heal Country we must understand our place, our roles and responsibilities in it.

**Supporting the effort is a step towards amplifying and embedding the voices we need to be listening to.**

Here's where to start:

It is important to firstly acknowledge that there is no one simple solution to supporting the Indigenous land care management. The below actions and guidelines were developed by a collective of First Nations people as a first step and guide only. We encourage ongoing learning and respect the work of many before us in offering some ways forward.

**Before we can take action, here are some ways we can deepen our respect and understanding of First Nations people, cultures and place and strengthen an authentic connection, appreciation & understanding of what we are here to respect and protect.**

### **1. Connect to your own story**

- Connect with your own ancestral story, where you came from and your ancestors journey, if you can find out.
- Reflect on your own experiences and interactions on this land and the experiences of your ancestors before you.
- Understand your own role, place and connection to the lands that you are on

### **2. Connect to Country**

- Expand your awareness of Country, from an Aboriginal perspective, as being all living spirits that live on and form our lands, waterways and sky country.
- Understand the concept of custodianship, and that we may not be traditional custodians, but we all have a collective responsibility to respect and protect Country.
- Deepen your value and respect of First Peoples knowledge, cultures, histories and peoples are critical to our futures. The below quote from Uncle Tom Calma encourages us to reflect on the treatment of First of Peoples globally and how without adequate healing and progress, the experience of every person to the nation will be reflective of this.



*'The maturity of a nation is reflective of its relationship with it's first peoples' - Uncle Tom Calma.*

### **3. Engage with your local Aboriginal community**

Below are some ways that you can connect with your local Aboriginal community, to gain a deeper understanding of the Country you are on, its peoples, cultures and what we can learn to serve and care for Country.

- Connect with your local Aboriginal community members in your neighbourhood, school, community or workplaces. Start with your immediate environment in creating authentic personal connections and relationships with the people and places around you.
- Engage with your local Landcare Councils & Aboriginal Corporations in your area. This can be through attending events, finding out about their work and programs, investing in Welcome to Country's and local speakers, dance or music groups at your events or education settings.

*Note that every landcare council and corporation is unique. There may be opportunities to donate or volunteer for organisations or initiatives specific to your area. Websearch your local land councils and corporations to connect.*

Remember that you can connect and acknowledge the Country that you are on everyday. Every day we wake up and walk, live and breathe on sacred Aboriginal lands. Take time to connect, learn from and appreciate the Country around you.

### **4. Listen & Learn through story**

The sharing of stories and knowledge have been passed down to generations orally for tens of thousands of years. This cultural practice of learning can be shared with all people and has deep benefits of listening and respecting Elders, seniors and others who share their wisdom. Stories keep culture alive and we encourage you to sit and listen whenever you can. We learn best when we are present and ready to sit, listen and engage in a safe environment.

- Start by sitting and listening to Country
- Sit and listen to the community around you, particularly local Aboriginal people if you are able to.
- Encourage yarnning circles, even informally, so we can share stories and learn from others face to face in a safe space.
- We can also learn by listening to videos and audios. There are many incredible Aboriginal led and focused tv series, documentaries, films, books and podcasts we can listen and learn from.

**Below are some ways we can better educate ourselves before choosing to take action on supporting Indigenous land care management below.**

We encourage you to do your own research and educate yourself on topics of Indigenous knowledges and land care:

Some questions to consider:

- What does Country mean for Aboriginal and Torres Strait Islander People?
- What is the meaning of custodianship?
- How have First Nations peoples cared and protected for Country for tens of thousands of years?
- How are we all custodians of the lands that we are on?
- How are roles and responsibilities for land care management perceived and shared from both an Indigenous and non-Indigenous perspective?

- What colonial systems and structures have led to the loss of cultural practices, understanding of Country, knowledge and protection of Country?
- What practices exist today that harm Country?
- How can we collectively heal Country? Why is this important?
- What are some ways that you can care and protect for Country everyday?
- What initiatives exist in your community that support caring for Country?
- What would you like to see in your immediate community to care for Country?
- Where are resources and funding needed to protect Country for our future generations?

**Here are some ways you can support First Nations landcare management and caring for Country to benefit all peoples**

Native foods & plant medicine

- [IndigiGrow](#) is a social enterprise from First Hand Solutions Aboriginal Corporation. It sustains people, land and culture through the propagation of native plants, including bush foods and the critically endangered Eastern Suburbs Banksia Scrub (ESBS). IndigiGrow is 100% Aboriginal owned and operated and employs 7 Aboriginal apprentices.
- [Volunteer](#) or [Donate](#)

Tourism

Learn from local traditional custodians about food sources, seasons and local Country through cultural walks, tours and workshops.

Some Aboriginal owned and led services can be search on [Welcome to Country website](#) - a not for profit marketplace for Aboriginal and Torres Strait Islander experiences and products

Buy native foods and ingredients from

- [First Nation Foods](#), an 100% Aboriginal owned and operated wholesale food supplier.
- [IndigiEarth](#) - Founded by Sharon Winsor, a Ngemba Weilwan woman from Western NSW, Indigiearth
- [TheDreamingFoodGroup](#) - a third of the profits of the Group are donated to The Dreaming Foundation whose purpose is to holistically look at the Close the Gap social outcomes and provide direct funding to Aboriginal led organisations to deliver programs and initiatives which Close the Gap.

Support/Donate to organisations protecting and caring of Country

- **Donate to [SEED Mob](#)**, Australia's first Indigenous youth climate network, building a movement of Aboriginal and Torres Strait Islander young people for climate justice.
- [Firesticks Alliance](#) - Firesticks Alliance Indigenous Corporation is an Indigenous led network and aims to reinvigorate the use of cultural burning by facilitating cultural learning pathways to fire and land management. It is an initiative for Indigenous and non- Indigenous people to look after Country, share their experiences and collectively explore ways to achieve their goals.
- **Donate to [Wattarka Foundation](#)**, who through consultation and engagement with the community, delivering a wide range of projects in NT communities.
- [Indigenous Ranger Program](#) - Indigenous ranger projects were first funded in 2007 through the former Working on Country program. The program has created more than 2,100 full-time, part-time and casual jobs in land and sea management around the



country, providing meaningful employment, training and career pathways for Aboriginal and Torres Strait Islander Australians.

- **Explore** our local CFA & RFS programs and initiatives with strong Indigenous engagement with local owners and Aboriginal communities.

#### Amplify

**Promote** educational resources that encourage a sense of connections and understanding of Country for our young people, staff, teachers and school communities.

- **Nurragunalawalli Early Learning** - [Caring for Country](#)
- [Culture is Life](#) Educational Resources - Back to Nature Resources
- [CSIRO Seasonal Calendars](#) - CSIRO worked with a range of Indigenous language groups to develop a series of calendars representing seasonal ecological knowledge. Six of the calendars were developed as part of the Tropical Rivers and Coastal Knowledge program, two as part of an Inspiring Australia Unlocking Australia's Potential grant, two as part of the National Environmental Research Program's Northern Australia Hub, and one as part of CSIRO's Indigenous Livelihoods project.
- **Sign the petition** to bring more First Nations educators into schools at [Know your Country](#)

Learn more about caring for Country and Indigenous land Care Management

- [Why Indigenous Traditional Knowledge is Key for adopting Regenerative Agriculture](#)
- [Wisdom of indigenous communities is pivotal in conservation](#)
- [Traditional Aboriginal burning modern day land management](#)
- [Cultural land management](#)
- [Fire and Water, Healing Country and People](#)
- [Native wisdom in land management](#)
- [Indigenous land management in Australia](#)

## SOLUTION 3: ADOPT COMMUNITY ENERGY



Until very recently, our entire energy supply has not only come from fossil fuels but has largely been centralised and owned by a handful of generators and distributors. Renewable energy technology has rapidly evolved and is now allowing us to decentralise and democratise our energy, which not only helps to keep the power and the profits within our communities, but also creates energy sovereignty and resilience for future climate related extreme weather events. The mining and use of materials for panels and turbines is, of course, still extractive but many solar panel and turbine recycling facilities are starting to emerge and will have to greatly increase in the years ahead.

Some of the solutions in this collective response you may have seen in the film include:

- Community Renewable Energy Systems
- Community Batteries
- Solar Gardens
- Electric Vehicles grid storage

Learn more about [adopting community energy](#) and the actions you can take [back to the top](#)

### DETAILS:

#### Adopt community energy

This response empowers citizens and communities by giving them ownership of local, resilient, renewable energy

Community energy systems are decentralised, modular and more flexible than the traditional systems. Furthermore, they are usually located near the communities they serve, which avoids long transmission of energy and keeps more of the profits generated from the energy within the community.

Why do we need to move to community energy?

A centralised energy system was highly effective in less dense populations and stable climates. However, the world is changing, and our energy systems need to move accordingly. Local energy systems give towns and communities a better chance of withstanding climate shocks. If the main grid goes down due to storms, floods or fires, communities can access their own local supply. Then there is the issue of ownership. Huge amounts of money are being made from the global switch to renewable energy. Local energy systems allow communities to take a share of that wealth and potentially use it to improve facilities and services in their region.

In many countries, policies and subsidies currently favour the incumbent, centralised energy generators and suppliers. However, there is important work being done to allow the scaling up of community energy initiatives.

How are others attempting to solve this?

There are many ways in which people around the world are attempting to adopt community energy. Below is a small sample. If you have any further examples that you think should be on this list, please [get in touch](#).

### **Electrify Everything**

According to Saul Griffith, author of *Electrify*, if we electrify the whole economy, we will need less than half of the primary energy we currently use. This is because coal and gas-fired generation plants convert heat to energy, resulting in overall energy loss of 68 per cent for coal plants and 42 to 50 percent for many gas turbines. Solar and wind convert energy more directly. There is no combustion. There are even greater energy savings in vehicles. 80 percent of a car's energy heats the air with just 20 percent of energy making it to the wheels. In electric cars, 90 percent of energy goes to the wheels. While electrifying everything does reduce overall energy use, it requires doubling the amount of energy needed. Doing this presents an opportunity to create millions of jobs, bring down costs, clear our skies, quieten our city streets, and make our homes and offices smarter and more efficient.

### **Solar Gardens**

Solar gardens can now be found in 40 US states and are taking root in other countries including Australia.

The gardens are a centralized solar panel system that can be accessed by people who are currently locked out of the renewables market due to renting, living in a unit or apartment, or do not have a roof suitable for panels. There are now community owned models where people can purchase a 'plot' of solar panels. In return they receive the financial benefits of their 'plot' via credits to their energy bill.

### **Community Batteries**

The community battery is an exciting and emerging new technology. The battery allows multiple households in a certain area to 'share' a storage system for the excess energy generated by solar panels. Apart from providing the grid with clean energy, in the future, those households will be able to buy and exchange their stored energy to reduce their energy costs. There are many trials currently underway including a trial that involves community batteries being attached to existing telegraph poles.

### **Electric Vehicles grid storage**

'Vehicle to Grid' as it is known or V2G is another solution that is gaining serious traction. The idea is simple - electric vehicles are large batteries on wheels. Some car batteries are up to 3-4 times larger than the standard battery seen on the side of a house. If that vehicle is plugged into a home via a special 'bi-directional charger', then the energy from the car's

battery can be used by the grid in periods of demand and the owner will be paid accordingly. It is estimated that by 2025, all new EVs will be V2G compatible.

### **Community energy co-operatives**

In a time of energy transition, declining rural jobs and climate change, more community-owned renewable energy will be essential in establishing a regenerative future. Multiple studies show that community-owned energy generates more jobs and significantly more local dollars than investor-owned energy does. Research from the UK Department of Energy and Climate Change found the local benefits may be 12-13 times greater than 100% commercial models because of the re-investment in local areas.

### **FEATURED STORIES:**

#### **We the power**

38 minute watch

A stirring film showing the rapid rise of the citizen led, community energy movement.

Watch: <https://theregenerators.co/stories/we-the-power/>

#### About the film

A film about the citizen-led community-energy movement in Europe and the visionaries lighting the way. Imagine upending the traditional energy system and giving the power of clean electricity production back to your neighbors. We the Power follows friends, families and visionaries as they break down legislative barriers and take power back from big energy companies to put it in the hands of locals and strengthen their towns. The film chronicles local cooperatives from deep in Germany's Black Forest to the streets of ancient Girona in Spain and the urban rooftops of London, England, as they pave the way for a renewable energy revolution and build healthier, financially stable communities.

Join an energy community. Invest in one. Or build your own. Find out how at [Patagonia.com/WethePower](http://Patagonia.com/WethePower)

A stirring film showing the rapid rise of the citizen led, community energy movement

[https://www.youtube.com/watch?v=75A9WGxoUn8&feature=emb\\_imp\\_woyt](https://www.youtube.com/watch?v=75A9WGxoUn8&feature=emb_imp_woyt)

Want to find out more?

This video relates to three action areas that are vital for regeneration

1. [Adopting community energy](#)
2. [Building renewable infrastructure](#)
3. [Harmonising the system](#)

#### **Conversations with coal miners about climate change**

37 minute watch

A timely film that highlights the importance of humanising our difficult conversations.

#### **Watch**

<https://theregenerators.co/stories/conversations-with-coal-miners-about-climate-change/>

Conversations with coal miners about climate change

A timely film that highlights the importance of humanising our difficult conversations.

[https://www.youtube.com/watch?v=EGCYrK9ZC7k&feature=emb\\_imp\\_woyt](https://www.youtube.com/watch?v=EGCYrK9ZC7k&feature=emb_imp_woyt)

### About the film

Coal miners and climate activists regularly face off in heated and sometimes violent confrontations in the coal mining towns of Australia’s Queensland. On one hand, Australia is the world’s largest exporter of coal, and on the other, it’s becoming a social pariah in a world going more green.

Filmmaker and Environmental activist Kim Nguyen goes deep within Australia’s coal country to meet miners trying to preserve coal towns, aboriginal activists trying to stop the Adani Carmichael coal mining project, and a horseman infamous for assaulting climate protestors. All to ask- how do you get coal miners to give up that one thing their livelihood depends on?

Want to find out more?

This video relates to three action areas that are vital for regeneration

1. [Telling new stories](#)
2. [Building a renewable grid](#)
3. [Adopting community energy](#)

### Vehicle to grid demonstration

1 minute watch

A brief video that shows how vehicle to grid technology works

[Watch](#)

<https://theregenerators.co/stories/vehicle-to-grid-demonstration/>

Vehicle to grid demonstration

A brief video that shows how vehicle to grid technology works

[https://www.youtube.com/watch?v=l7PsxRTLFGU&feature=emb\\_imp\\_woyt](https://www.youtube.com/watch?v=l7PsxRTLFGU&feature=emb_imp_woyt)

Want to find out more?

This video relates to three action areas that are vital for regeneration

1. [Embracing cleaner personal and public transport](#)
2. [Adopting community energy](#)
3. [Building scalable renewable energy infrastructure](#)

### Regenerative actions you can implement

We believe every one of us has a role to play in Regeneration. If you are interested in helping to Adopt Community Energy, here are some actions we have identified that you could implement in your life.

### ACTIONS:

How to start a community renewable energy project:

<https://theregenerators.co/action-areas/rethink-energy/adopt-community-energy/learn-how-to-start-community-renewable-energy-project/>

Learn how to start a community renewable energy project



Find out how your community could join the over 100 recognised community energy projects across Australia.

Community energy is where communities are actively taking part in developing and investing in renewable energy projects that contribute to energy self-sufficiency, lower energy costs and reduce greenhouse gas emissions. The main goal is to enable a community to generate, store and/or share their renewable energy from infrastructure or programs such as wind farms and community solar, to mini-hydro schemes and bulk buy programs.

The benefits are enormous, including having a locally based source of energy which avoids expensive long range network infrastructure, decarbonising energy supplies and allowing communities to take responsibility for their energy use. While in Denmark and Germany community renewable energy is a mainstream model, in Australia, it’s an emerging sector with growing interest.

Your community can join the over 100 recognised community energy projects from Goulburn to Hepburn Springs across Australia. Interested in learning more?  
Coalition for Community Energy

The Coalition for Community Energy (C4CE) is the peak body of the growing community energy sector in Australia. They have a detailed knowledge hub, with practical tools for developing a local renewable energy project. Articles focus on a range of issues including technical matters, governance, and community engagement.

- [Visit the Knowledge Hub](#)

Community Power Agency

Community Power Agency advocate for community energy, supporting Australians to engage with and transition to renewable energy sources, providing expert support and advice. They run a socially responsible renewable energy development short course.

- [Take a short course](#) - their eight-week online course will teach renewable energy practitioners about how to drive community engagement with best-practice methods and concepts, fostering knowledge and support in order to result in successful renewable projects.

Frontier Impact Group

Frontier Impact Group is a consultancy, working both directly to support key projects, as well as strategically to assist businesses and the community get their own environmental and energy sustainability projects off the ground.

- [Download the community energy financing toolkit](#)
- [Join a Community Renewable Energy Capacity Building Workshop](#)

Learning how to start a community renewable energy project is part of a larger collective response. [Click here to read more.](#)

Volunteer to support community energy initiatives:

<https://theregenerators.co/action-areas/rethink-energy/adopt-community-energy/volunteer-to-support-community-energy-initiatives/>

Volunteer to support community energy initiatives

Community energy is a rapidly growing sector that is working to progress our communities towards zero-emissions, and getting involved could involve donating, researching - or volunteering.

Community energy is a rapidly growing sector that is working to progress our communities towards zero-emissions, with community members participating in renewable projects in order to decentralise and decarbonise our energy system. Community energy may come in the form of solar, bioenergy and wind projects, and supporting and getting involved could involve donating, researching - or volunteering. You can find more information at:

#### Coalition for Community Energy

The Coalition for Community Energy (C4CE) is the peak body for Australia’s community energy sector, compiling of over 100 member groups who aim to transform their community, helping groups initiate and develop renewable projects.

- [Donate or volunteer](#) - donate funds to help build a renewable future, or get in touch to talk about helping out.
- [Advocate](#) - get involved with campaigning for the Local Power Plan.

#### Beyond Zero Emissions

An internationally recognised think tank that shows through independent research and innovative solutions how Australia can prosper in a zero-emissions economy.

- [Volunteer](#) - join Beyond Zero Emissions' volunteer team and lend your expertise to help deliver real climate solutions.

#### Solar Citizens

Solar Citizens are an independent organisation aiming to protect and grow renewable energy in Australia, running campaigns that utilise people power to put pressure on decision makers and bring about a renewable Australian future.

- [Get involved](#) - get involved with Solar Citizens as a digital or outreach volunteer.

#### Community Power Agency

Community Power Agency advocate for community energy, supporting Australians to engage with and transition to renewable energy sources, providing expert support and advice.

- [Advocacy](#) - learn about CPA’s advocacy and policy work and how you can get involved.
- [Local Power Plan](#) - get behind the blueprint for Australians to benefit from local and cheap energy by signing the campaign.
- [Donate](#) - give now to power community energy.

#### Renew

A national NFP that inspires and advocates sustainable and renewable living in homes and communities.

- [Community energy resources](#) - learn about projects, the Z-net model, and community solar examples.
- [Donate](#) - donate towards a sustainable future.
- [Join](#) - sign up for a membership to get involved and informed about community energy

#### Sustainability Victoria

Sustainability Victoria aim to support Victorians in a transition to a climate-resilient economy and renewable future.

- [Supporting community energy](#) - projects and examples within Victoria as well as guides on community energy and solar.

Know of any other groups or resources? Let us know.

Volunteering to support community energy initiatives is part of a larger collective response.

Click here to read more.

Learn more and find other actions about adopting community energy.

Learn how to electrify everything:

<https://theregenerators.co/action-areas/rethink-energy/adopt-community-energy/learn-how-to-electrify-everything/>

Learn how to electrify everything

Learn how you can get involved in the electrification revolution by electrifying your home - and even your entire electorate!

Australia can lead the world by electrifying our homes and vehicles and powering them with renewable energy. Learn how you can get involved in the electrification revolution by electrifying your home - and even your entire electorate!

Electrify your home and your electorate

Rewiring Australia is supported by a group of non-partisan Australians to collectively illustrate the positive climate and economic outcomes possible for Australia and the world with the electrification of fossil fuel machines.

- [Enter your postcode here](#) to see how much your electorate could be saving by going electric. You will learn about the benefits of home electrification, how to take action at a local level, and the policies that will help Australia become a world leader in the electrification revolution.
- [Learn](#) why we should be electrifying everything!

Renew is a national, not-for-profit organisation that inspires, enables and advocates for people to live sustainably in their homes and communities.

- With lots of resources, tools and advice available - including the free [Sunulator](#) solar feasibility calculator - their website is a great place to [start learning how to make your home efficient and electric](#).

Join a supportive online community

The [My Efficient Electric Home \(MEEH\) Facebook Group](#) is a leading database of information about improving the comfort and energy performance of Australian homes.

Contributions from outside Australia are also welcome! Members are encouraged to use the "Search this Group" feature to find posts relevant to their issue or interest area.

Know of any other groups or resources? Let us know.

Learn how to electrify everything is part of a larger collective response. Learn more and find other actions about [adopting community energy](#).



## SOLUTION 4: BUILD A SCALEABLE, RENEWABLE ENERGY INFRASTRUCTURE



Most of us are aware that our energy sources are rapidly changing. We are moving away from polluting fossil fuels to cleaner forms of energy like solar, wind and hydrogen. What is lesser known is that the structure of our energy grid is also changing. Rather than the old model of large, coal fired power stations or gas pipelines pumping out energy from centralised locations, the new energy grid is decentralised and dispatchable. It is increasingly being made up of large solar or wind farms, rooftop solar panels, batteries, hydrogen facilities and community projects. All of which will ‘talk’ to each other to pull the energy from where it is being most produced to where it is needed. In winter, the grid may draw on the winter sun and wind from Queensland while the eastern states may utilise the sun that is still shining in the central states and Western Australia as people come home from work.

Some of the solutions in this collective response you may have seen in the film include:

- Decentralising the energy grid
- Electric Vehicles grid storage
- Making your home energy efficient
- Green Hydrogen
- Sun Cable project to Singapore
- Energy solutions for our regional neighbours
- Electric Vehicles grid storage

Learn more about [building a scaleable, renewable energy infrastructure](#) and the actions you can take

[back to the top](#)

### DETAILS:

<https://theregenerators.co/action-areas/rethink-energy/build-a-scalable-renewable-energy-infrastructure/>

Build a scalable, renewable energy infrastructure

This response involves re-designing the architecture of our energy grids so they can incorporate both large and small-scale clean energy projects.

It is a response that moves us away from fossil fuel powered, centralized grids - to more flexible and modular systems that can 'work' together to make up a grid. The type of renewable energy will depend on what is available in the region or country. A grid might be made up of rooftop solar, large offshore or onshore wind farms, large scale batteries, geothermal energy, large solar farms, green hydrogen energy, home batteries or battery to grid vehicles, pumped hydro and hydro, plus smaller community energy projects, micro-grids, and potentially small-scale nuclear reactors further into the future.

Why do we need this response?

Quite simply, global warming will not be stopped and reversed without ending the use of fossil fuels. The combustion of coal, gas, and oil creates 82% of carbon dioxide emissions. These emissions form a blanket around our planet, trapping heat and increasing temperatures. Fossil fuels have allowed us to build and create wonderful things, but they are also toxic to air, lakes, oceans, soil, plants, people, and animals. They create smog, distribute particulate matter into the air, and cause lung and respiratory disease.

The future of our civilization depends on whether or not we can end our reliance on fossil fuels. Perhaps our greatest barrier though to building renewable energy grids, is the fossil fuel industry itself. They spend around one billion dollars every year on propaganda to confuse the public about climate change and to espouse the benefits of fossil fuels.

How are others approaching this?

There are many ways that people around the world are attempting to [collective response]. Below is a small sample. If you have any further examples that you think should be on this list, please [get in touch](#).

### **Solar and wind cable projects**

Two large scale and potentially revolutionary renewable energy projects are currently in planning. The Sun Cable project would see solar energy produced in northern Australia sent to Singapore via an undersea cable.

While the XLINK project would carry wind and solar energy produced in Morocco to the UK, also via an undersea cable. If successful, more cables could be laid from Australia to south East Asia and from Morocco to other parts of Africa or western Europe.

These cables would provide clean energy from high wind and solar locations to countries that may not have the land available or the optimal weather conditions.

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These cables would provide clean energy from high wind and solar locations to countries that may not have the land available or the optimal weather conditions.

### **Making your home energy efficient**

An remarkable 28% of global emissions come from the activities inside our buildings (the number jumps to 40% when construction is included). There are now clear actions we can take that will help the planet and significantly lower our bills.

Electric heat pumps produce three times more energy than they use and are much cheaper to run than gas. 4 star reverse cycle air conditioners can be 45% cheaper to run than a gas heater.

Solar panels now produce much larger savings than conventional energy and increased glazing on windows or sealing cracks where appropriate can lead to further savings. Government assisted home efficiency schemes are going to be essential for accelerating the process.

### **Energy solutions for regional neighbours**

If we are going to meaningfully address climate change then the wealthier nations are going to have to help the developing nations far more than they currently do. This help could come in the form of exporting renewable energy technology and infrastructure, or by sending excess energy generated from abundant renewable resources or by providing funding under the banner of 'climate justice' - because most of the world's developing nations are feeling the full impacts of climate change despite contributing very little to global emissions.

### **Electric Vehicles grid storage**

'Vehicle to Grid' as it is known or V2G is another solution that is gaining serious traction. The idea is simple - electric vehicles are large batteries on wheels. Some car batteries are up to 3-4 times larger than the standard battery seen on the side of a house. If that vehicle is plugged into a home via a special 'bi-directional charger', then the energy from the car's battery can be used by the grid in periods of demand and the owner will be paid accordingly.

It is estimated that by 2025, all new EVs will be V2G compatible.

### **Electrify Everything**

According to Saul Griffith, author of *Electrify*, if we electrify the whole economy, we will need less than half of the primary energy we currently use. This is because coal and gas-fired generation plants convert heat to energy, resulting in overall energy loss of 68 per cent for coal plants and 42 to 50 percent for many gas turbines. Solar and wind convert energy more directly. There is no combustion. There are even greater energy savings in vehicles. 80 percent of a car's energy heats the air with just 20 percent of energy making it to the wheels.

In electric cars, 90 percent of energy goes to the wheels. While electrifying everything does reduce overall energy use, it requires doubling the amount of energy needed. Doing this presents an opportunity to create millions of jobs, bring down costs, clear our skies, quieten our city streets, and make our homes and offices smarter and more efficient.

### **ACTIONS:**

Engage politicians to expand renewable energy industry:

<https://theregenerators.co/action-areas/rethink-energy/build-a-scalable-renewable-energy-infrastructure/engage-politicians-to-expand-renewable-energy-industry/>

Engage politicians to expand the renewable energy industry

Lobbying your local MPs and politicians to engage with change on a community level is something you can do shift policies with impacts that flow onto the national and global stages.

Renewable energy is expanding faster than ever on a global scale, with renewable electricity capacity forecast to rise more than 60% from 2020 levels by 2026. But, momentum could and needs to be even faster. While policies on renewables are becoming stronger and driving more change, locally, more movement is needed to ensure we are heading staunchly to a future of net zero.

Lobbying your local MPs and politicians to engage with change on a community level is something you can do shift policies with impacts that flow onto the national and global stages.

Some resources you can begin with:

Contact your MP

Contacting your MP to engage with them on expansion of renewable energy is one of the most effective ways of making positive change. Before you make contact, make sure you’ve done some research on their position on climate change and energy policy.

- [Find your local MP here](#)

Solar Citizens

Solar Citizens are an independent organisation aiming to protect and grow renewable energy in Australia, running campaigns that utilise people power to put pressure on decision makers and bring about a renewable Australian future.

- [Volunteer](#) - sign up to volunteer with Solar Citizens, either digitally, contributing to on-the-ground campaigns, or in local Solar Action groups.
- [Sign the petition](#) - join the campaign to power renewable manufacturing

IEA

The International Energy Agency works globally to shape energy policies for a secure and sustainable future, leading a variety of programmes, training and initiatives, helping ensure energy security, tracking clean energy transitions.

- [Read Australia’s report](#) - read IEA’s statistics and reports on our energy legislation

Beyond Zero Emissions

Beyond Zero Emissions is a think tank focused on enabling Australia’s switch to zero emissions, publishing research to inspire political leadership and accelerate policy change. They are powered by a wide network of volunteers that willingly give their expertise in engineering, science, economics, business, finance and communications to create climate solutions. You can help further their cause by signing up to volunteer or donating.

- [Volunteer](#) - become a Beyond Zero Emissions volunteer
- [Learn about repowering Australian manufacturing through renewable energy](#)

WWF Australia

WWF is a leading and global voice for nature, working with governments, businesses and communities to combat environmental issues and conserve biodiversity.

- [Renewables nation](#) - read about WWF’s plan for making Australia a renewable energy exports superpower.
- [Renewable recovery after COVID](#) - help call on the Government for a renewable-led stimulus recovery package.

#### Community Power Agency

Community Power Agency advocate for community energy, supporting Australians to engage with and transition to renewable energy sources, providing expert support and advice.

- [Advocacy](#) - learn about CPA’s advocacy and policy work and how you can get involved.
- [Local Power Plan](#) - get behind the blueprint for Australians to benefit from local and cheap energy by signing the campaign.

Engaging politicians to expand renewable energy industry is part of a larger collective response. [Click here to read more.](#)

Switch your home to clean energy:

<https://theregenerators.co/action-areas/rethink-energy/build-a-scalable-renewable-energy-infrastructure/switch-your-home-to-clean-energy/>

#### Switch your home to clean energy

One of the simplest ways to take action on climate change as an individual is to switch your home energy supply to greener electricity providers.

One of the simplest ways to take action on climate change as an individual is to switch your home energy supply to greener electricity providers. Not only will you be using renewable energy to power your home but you’ll also be helping to transform our electricity system to increase investment in renewable energy sources and shutting down dirty fossil fuels which currently form 76% of our electricity supplies.

#### The Green Electricity Guide

Greenpeace has created The Green Electricity Guide - doing all the research into the greenest electricity providers so you don’t have to.

- [Read the best advice about switching your home to clean energy](#)

#### Greenpower

GreenPower is renewable energy from government accredited sources. Almost all electricity retailers in Australia have a GreenPower Accredited product that lets you purchase between 10 and 100% of your electricity from a renewable source.

- If you **switch to [GreenPower](#)**, you will also be supporting Australia’s renewable energy industry and assisting with demonstrating increased market demand.

Choose a responsible and environmentally-friendly energy provider.

Some suggested green energy providers include:

- [Enova Community Energy](#) (NSW)
- [Energy Locals](#) (NSW, SA, VIC, QLD)
- [Synergy](#) (WA)
- [Jacana Energy](#) (NT)
- [Momentum Energy](#) (TAS)

- [Green Power](#) (ACT) [Ergon](#) (ACT)
- [Amber Electric](#) (VIC, NSW, SA, QLD, ACT)
- [Diamond Energy](#) (VIC, QLD, SA)
- [Powershop](#) (VIC, NSW, SA, South East QLD).

Switching your home to clean energy is part of a larger collective response. Learn more about [building a scalable renewable energy infrastructure](#).

Know of any other resources? [Get in touch](#).

Transition your organization to clean energy:

<https://theregenerators.co/action-areas/rethink-energy/build-a-scalable-renewable-energy-infrastructure/transition-your-organisation-to-clean-energy/>

Transition your organisation to clean energy

Say good-bye to fossil fuels and embrace a more renewable, equitable and secure energy system for your business.

Power your organisation or business with renewable energy by switching to a clean energy provider, or take the next step in purchasing and installing renewable energy infrastructure for your business.

Here is an overview of the considerations, steps and resources to help you get started, as well as some organisations who can help your business make the transition today!

Clean energy and switching energy providers

Switching energy providers or plans to enable renewable energy usage will reduce your greenhouse gas emissions, support the renewable energy industry and contribute to our overall clean energy transition.

Here are few things to consider:

- Understand your business’ current energy consumption by looking at bills across all seasonal periods. The [ClimateClever Business Platform](#) enables you to easily measure, audit and track your usage, emissions and bills over time - there is a free version you can start with as you begin your audit.
- Understanding your energy charges will also assist with making a decision on the best provider or plan. Take into account your usage charges for electricity (cents per kilowatt hour/kWh) and gas (cents per megajoule/MJ), metering and service charges, environmental charges and network/supply charges (which are regulated and won’t vary between energy retailers). Gas bills will include a transmission and distribution charge which are fixed costs.
- Work with your facilities, operations manager, or an energy broker to compare the market or, if you are a small business, consider referring to one of the sites listed below.
- If you switch to [GreenPower](#), you will also be supporting Australia’s renewable energy industry and assisting with demonstrating increased market demand. The program is government accredited and available through most energy retailers.
- Choose a responsible and environmentally-friendly energy provider.

**Some suggested green energy providers include:**

- [Enova Community Energy](#) (NSW)
- [Energy Locals](#) (NSW, SA, VIC, QLD)



- [Synergy](#) (WA)
- [Jacana Energy](#) (NT)
- [Momentum Energy](#) (TAS)
- [Green Power](#) (ACT) [Ergon](#) (ACT)
- [Amber Electric](#) (VIC, NSW, SA, QLD, ACT)
- [Diamond Energy](#) (VIC, QLD, SA)
- [Powershop](#) (VIC, NSW, SA, South East QLD).

You also visit the [Green Electricity Guide](#) or [Green Power](#) to research a clean energy provider that fits your criteria

Renewable energy purchasing and infrastructure

Following your switch to renewable energy, you may wish to consider extending your business’ commitment to renewable energy by exploring a Power Purchase Agreement (PPA).

**For smaller businesses:**

- A “behind the meter” Power Purchase Agreement involves an energy provider installing renewable energy equipment - usually solar PV systems - on your business site. You then pay a predetermined rate for electricity over the contract period.
- This type of solution may be suitable if you don’t want to own or maintain a system and don’t own your property but have a longer term business tenancy.
- Advantages can include no upfront capital cost and a reduction in energy bills.
- You will need to identify an energy provider that offers behind the meter Power Purchase Agreements.

**For larger businesses:**

- Extend your commitment to renewable energy by joining other businesses or associations to purchase power in bulk for a better rate and support Australia renewable energy infrastructure.
- Corporate renewable Power Purchase Agreements - referred to as PPAs - enable you to purchase large-scale solar and wind power energy at a fixed price over a longer-term.
- [The Business Renewables Centre of Australia](#) is a not-for-profit member based initiative that streamlines and accelerates corporate purchasing of large-scale wind and solar energy and storage and supports Australian organisations to enter the renewable energy market.
- If you own your building, you may also wish to join a growing number of businesses, universities and organisations who are using their roof space to install large-scale solar PV panel systems and battery storage. This form of urban power generation can lead to significant emissions reduction and, for larger energy users, may also provide potential for micro-grid establishment.
- [Planet Ark Power](#) is a leading clean energy solutions provider of solar, storage and microgrid solutions and offers commercial and industrial rooftop solar.
- Commitments to become 100% reliant on renewable sources can be verified through the RE100 initiative.

Transitioning your organisation to clean energy is part of a larger collective response. Learn more and find other actions about [building a scaleable, renewable energy infrastructure](#). Know of any other resources? [Get in touch](#).

## SOLUTION 5: BUILD CLEANER LONG-DISTANCE TRAVEL SOLUTIONS



Prior to the Covid pandemic, Australia boasted two of the busiest flight routes in the world. The Sydney to Melbourne journey and Sydney to Brisbane. The Sydney to Melbourne route was the 2nd busiest globally with 54,000 flights a year. This means Australians are burning huge amounts of carbon to travel between cities. With electric or hydrogen powered planes still a long way off, many have proposed that Australia could have a network of comfortable, high speed electric trains, much like China has. Trains that would deliver people into the heart of our capital cities and stop at key locations in regional areas. It is estimated that to get from the centre of Sydney to Melbourne central, a trip would take just over 3 hours. A similar time it takes now when taxis, check- ins and waiting at the gate are factored in.

Some of the solutions in this collective response you may have seen in the film include:

- High Speed electric trains
- Hydrogen powered or electric boats and ships

Learn more about [building cleaner long-distance travel solutions](#) and the actions you can take [back to the top](#)

### DETAILS:

<https://theregenerators.co/action-areas/rethink-energy/build-a-scalable-renewable-energy-infrastructure/>

(SAME DETAILS AS WITH “Build a scaleable, renewable energy infrastructure”)

### ACTIONS:

Engage politicians to expand renewable energy industry



<https://theregenerators.co/action-areas/rethink-energy/build-a-scalable-renewable-energy-infrastructure/engage-politicians-to-expand-renewable-energy-industry/>

### Engage politicians to expand the renewable energy industry

Lobbying your local MPs and politicians to engage with change on a community level is something you can do shift policies with impacts that flow onto the national and global stages.

Renewable energy is expanding faster than ever on a global scale, with renewable electricity capacity forecast to rise more than 60% from 2020 levels by 2026. But, momentum could and needs to be even faster. While policies on renewables are becoming stronger and driving more change, locally, more movement is needed to ensure we are heading staunchly to a future of net zero.

Lobbying your local MPs and politicians to engage with change on a community level is something you can do shift policies with impacts that flow onto the national and global stages.

Some resources you can begin with:

### Contact your MP

Contacting your MP to engage with them on expansion of renewable energy is one of the most effective ways of making positive change. Before you make contact, make sure you’ve done some research on their position on climate change and energy policy.

- [Find your local MP here](#)

### Solar Citizens

Solar Citizens are an independent organisation aiming to protect and grow renewable energy in Australia, running campaigns that utilise people power to put pressure on decision makers and bring about a renewable Australian future.

- [Volunteer](#) - sign up to volunteer with Solar Citizens, either digitally, contributing to on-the-ground campaigns, or in local Solar Action groups.
- [Sign the petition](#) - join the campaign to power renewable manufacturing

### IEA

The International Energy Agency works globally to shape energy policies for a secure and sustainable future, leading a variety of programmes, training and initiatives, helping ensure energy security, tracking clean energy transitions.

- [Read Australia’s report](#) - read IEA’s statistics and reports on our energy legislation

### Beyond Zero Emissions

Beyond Zero Emissions is a think tank focused on enabling Australia’s switch to zero emissions, publishing research to inspire political leadership and accelerate policy change. They are powered by a wide network of volunteers that willingly give their expertise in engineering, science, economics, business, finance and communications to create climate solutions. You can help further their cause by signing up to volunteer or donating.

- [Volunteer](#) - become a Beyond Zero Emissions volunteer
- [Learn about repowering Australian manufacturing through renewable energy](#)

### WWF Australia

WWF is a leading and global voice for nature, working with governments, businesses and communities to combat environmental issues and conserve biodiversity.

- [Renewables nation](#) - read about WWF's plan for making Australia a renewable energy exports superpower.
- [Renewable recovery after COVID](#) - help call on the Government for a renewable-led stimulus recovery package.

#### Community Power Agency

Community Power Agency advocate for community energy, supporting Australians to engage with and transition to renewable energy sources, providing expert support and advice.

- [Advocacy](#) - learn about CPA's advocacy and policy work and how you can get involved.
- [Local Power Plan](#) - get behind the blueprint for Australians to benefit from local and cheap energy by signing the campaign.

Engaging politicians to expand renewable energy industry is part of a larger collective response. [Click here to read more.](#)

#### Switch your home to clean energy

<https://theregenerators.co/action-areas/rethink-energy/build-a-scalable-renewable-energy-infrastructure/switch-your-home-to-clean-energy/>

#### Switch your home to clean energy

One of the simplest ways to take action on climate change as an individual is to switch your home energy supply to greener electricity providers.

One of the simplest ways to take action on climate change as an individual is to switch your home energy supply to greener electricity providers. Not only will you be using renewable energy to power your home but you'll also be helping to transform our electricity system to increase investment in renewable energy sources and shutting down dirty fossil fuels which currently form 76% of our electricity supplies.

#### The Green Electricity Guide

Greenpeace has created The Green Electricity Guide - doing all the research into the greenest electricity providers so you don't have to.

- [Read the best advice about switching your home to clean energy](#)

#### Greenpower

GreenPower is renewable energy from government accredited sources. Almost all electricity retailers in Australia have a GreenPower Accredited product that lets you purchase between 10 and 100% of your electricity from a renewable source.

- If you **switch to GreenPower**, you will also be supporting Australia's renewable energy industry and assisting with demonstrating increased market demand.

Choose a responsible and environmentally-friendly energy provider.

Some suggested green energy providers include:

- [Enova Community Energy](#) (NSW)
- [Energy Locals](#) (NSW, SA, VIC, QLD)
- [Synergy](#) (WA)
- [Jacana Energy](#) (NT)

- [Momentum Energy](#) (TAS)
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Switching your home to clean energy is part of a larger collective response. Learn more about [building a scaleable renewable energy infrastructure](#).  
Know of any other resources? [Get in touch](#).

Transition your organisation to clean energy

<https://theregenerators.co/action-areas/rethink-energy/build-a-scalable-renewable-energy-infrastructure/transition-your-organisation-to-clean-energy/>

Transition your organisation to clean energy

Say good-bye to fossil fuels and embrace a more renewable, equitable and secure energy system for your business.

Power your organisation or business with renewable energy by switching to a clean energy provider, or take the next step in purchasing and installing renewable energy infrastructure for your business.

Here is an overview of the considerations, steps and resources to help you get started, as well as some organisations who can help your business make the transition today!

Clean energy and switching energy providers

Switching energy providers or plans to enable renewable energy usage will reduce your greenhouse gas emissions, support the renewable energy industry and contribute to our overall clean energy transition.

Here are few things to consider:

- Understand your business’ current energy consumption by looking at bills across all seasonal periods. The [ClimateClever Business Platform](#) enables you to easily measure, audit and track your usage, emissions and bills over time - there is a free version you can start with as you begin your audit.
- Understanding your energy charges will also assist with making a decision on the best provider or plan. Take into account your usage charges for electricity (cents per kilowatt hour/kWh) and gas (cents per megajoule/MJ), metering and service charges, environmental charges and network/supply charges (which are regulated and won’t vary between energy retailers). Gas bills will include a transmission and distribution charge which are fixed costs.
- Work with your facilities, operations manager, or an energy broker to compare the market or, if you are a small business, consider referring to one of the sites listed below.
- If you switch to [GreenPower](#), you will also be supporting Australia’s renewable energy industry and assisting with demonstrating increased market demand. The program is government accredited and available through most energy retailers.
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- [Green Power](#) (ACT) [Ergon](#) (ACT)
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Transitioning your organisation to clean energy is part of a larger collective response. Learn more and find other actions about [building a scaleable, renewable energy infrastructure](#). Know of any other resources? [Get in touch](#).

## SOLUTION 6: EMBRACE CLEANER PERSONAL & PUBLIC TRANSPORT



Emissions from transportation accounts for 17% of Australia’s total emissions. The majority of these emissions come from our cars. Australia falls a long way behind the rest of the world when it comes to electric vehicle uptake. As of January 2022, electric vehicles account for around 0.5% of new vehicles sold, whereas a country like Norway now sits around 75% of new cars sold (they expect to reach 100% by late 2022). Apart from better policies, incentives and EV infrastructure, Australia would also lower its emissions by improving and incentivising the use of electric public transportation. By 2030 we could be running all of our buses, trams, trains and ferries on renewable energy.

Some of the solutions in this collective response you may have seen in the film include:

- Electric public transport (trams, trains, ferries)
- Electric vehicles
- Electric Vehicles grid storage

Learn more about [embracing cleaner personal and public transport](#) and the actions you can take

[back to the top](#)

<https://theregenerators.co/action-areas/move-lightly/embrace-cleaner-personal-public-transport/>

### **Embrace cleaner personal & public transport**

This response involves an exciting rethink about how we move around our towns & cities. It explores transportation hubs where cars, buses & trains come together & link to walk-ways, bike & scooter paths, or emerging fleets of electric ride shares.



By enacting this response, we can leave behind polluting, stressful and congested commuting and embrace cheaper, cleaner, and healthier mobility solutions.

### **Why do we need this response?**

There are currently 1.2 billion cars and trucks on our roads and that number is expected to be 2 billion by 2030. Our cars make up 41 percent of transport emissions (transport is 29 percent of total emissions). Even if all new vehicles were electric, the mining of rare minerals and extraction would have to dramatically increase and the number of deaths on our roads (currently more than 1.5 million people a year) would also increase. The congestion in our cities would intensify and commuting really doesn't make people happy (US residents spend an average of one hour a day in their cars). Then there's the rising costs of registration, fuel and maintenance, and insurance.

### **How are others approaching this?**

There are many ways that people around the world are attempting to [collective response]. Below is a small sample. If you have any further examples that you think should be on this list, please [get in touch](#).

### **Electric buses**

Electric buses or trams are a terrific solution as they carry more passengers than cars while emitting fewer emissions and pollutants. China is leading the world in the electric bus rollout - by a long way. In 2020 they had roughly 430,000 electric buses on their roads compared to just 350 in the USA. Recently the NSW Government in Australia has pledged to convert all of its 8000 diesel buses to electric by 2030.

### **Electric Vehicles grid storage**

'Vehicle to Grid' as it is known or V2G is another solution that is gaining serious traction. The idea is simple - electric vehicles are large batteries on wheels. Some car batteries are up to 3-4 times larger than the standard battery seen on the side of a house. If that vehicle is plugged into a home via a special 'bi-directional charger', then the energy from the car's battery can be used by the grid in periods of demand and the owner will be paid accordingly. It is estimated that by 2025, all new EVs will be V2G compatible.

### **Electric ferries**

Not surprisingly, Norway has been leading the way with electric ferries. They recently launched the world's largest electric ferry that can carry 600 passengers and 200 cars. Other harbour cities like Sydney or Auckland will have to adopt this technology in the years ahead if they are to avoid the dirty marine diesel or heavy fuel oils that are currently being emitted

### **Clean transportation ideas**

Milan recently announced it will convert 20 miles of streets into pedestrian and bike-only paths. Guangzhou in China, home to 14 million people, has some of the highest walking levels in the world due to a nature corridor it built along the Pearl River that links tourist destinations and sporting venues. And Austria is incentivising a car-free society by charging residents just 3 euros a day to travel anywhere in the country on bus, trains and subways.

### **Electric vehicle ride share**

Many car companies are investing in fleets of driverless, electric cars or vans that will move us around cities in the future. We will subscribe to 'transport networks' much like we do with Netflix or Spotify. This will be far cheaper than owning a car as parking, fuel, registration

and insurance costs will all be avoided. Phoenix Arizona is already experimenting with driverless taxi fleets.

### **15-minute city**

Imagine a city where everything you needed could be found within a fifteen-minute walk or bike ride from your home, including fresh food, healthcare, schools, offices, shops, parks, gyms, banks, and entertainment. The paths to get there are safe, tree-shaded, car free neighbourhoods where people can get to know each other. It's called the fifteen-minute city and it's not imaginary. The Paris mayor has implemented this ambitious plan and it's underway. Cities in the US, Spain, China and Australia are also taking the concept on board. As the age of the car fades, cities are being redesigned to serve their residents, discovering how much healthier, vibrant, and resilient they can be.

## **ACTIONS**

### **Understand the carbon footprint of your vehicle**

<https://theregenerators.co/action-areas/move-lightly/embrace-cleaner-personal-public-transport/understand-the-carbon-footprint-of-your-vehicles/>

### **Understand the carbon footprint of your vehicle(s)**

Rethinking travel is necessary; as is understanding how your own vehicle(s) and motor habits contribute towards world emissions – as well as ultimate increases in congestion and traffic fatalities.

29% of our energy-related emissions come from transport, and the majority of that from our petrol guzzling cars: the average CO2 emission of a new light vehicle in Australia is around 182 grams per kilometre. And currently, the number of cars and trucks on our roads is 1.2 billion, heading fast towards 2 billion by 2030.

Rethinking travel is necessary; as is understanding how your own vehicle(s) and motor habits contribute towards world emissions – as well as ultimate increases in congestion and traffic fatalities. The increase of cleaner transportation options mean it's now becoming easier and more accessible to reduce your personal emissions, whether it be via purchasing vehicles with best in class emissions, electric vehicles, or ride-sharing.

You can learn more about your own vehicular footprint and your options here:

Green Vehicle Guide

This Australian government initiative provides information on the environmental performance of light vehicles sold in Australia to help reduce your impact on the environment.

- [Use the car guide](#) - use their guide to compare the environmental performance of vehicles
- [Australian vehicle emissions](#) - read about CO2 emissions in Australian motor vehicles

National Transport Commission

NTC leads national land transport reform to improve safety, productivity, environmental outcomes and regulatory efficiency, to socially and economically advance an integrated land transport system.

- [Read the 2020 emissions report](#) - NTC's carbon dioxide emissions report summarises vehicle emissions intensity for light vehicles sold in Australia in 2020.
- [Download the emissions infographic](#) - their infographic details carbon dioxide emission intensity for Australian light vehicles in 2020
- [Download the electric vehicle infographic](#) - their infographic details total electric car sales in Australian in 2020

#### Footprint Calculator

The Ecological Footprint Calculator estimates your personal ecological footprint, calculating how your personal choices and habits influence it.

- [Take the quiz](#) - find out your personal ecological footprint

#### National Greenhouse Gas Inventory

Updates of Australia's National Greenhouse Gas Inventory summarise Australia's national emissions quarterly, providing timely information for us to understand [how Australia is tracking against our targets](#).

- [Read the report](#) - read the quarterly update of the National Greenhouse Gas Inventory

#### Know of any other groups or resources? [Let us know.](#)

Understanding the carbon footprint of your vehicle(s) is part of a larger collective response. [Click here to read more.](#)

Learn more about electric and zero emission vehicles:

<https://theregenerators.co/action-areas/move-lightly/embrace-cleaner-personal-public-transport/find-out-more-about-electric-zero-emission-vehicles/>

Find out more about electric & zero emission vehicles

The number of cars and trucks on our roads is expected to hit 2 billion by 2030, and crucially, transport-based emissions continuing to see a huge increase.

#### Australian Electric Vehicle Association

AEVA's aim is to switch Australia's transport networks to electric drive as quickly as possible, providing a forum for communication and awareness in the field of electric vehicles to encourage use and development.

- [EV resources](#) - read about the benefits and ins and outs of electric vehicles.
- [EVs and the environment](#) - learn about the positive impacts that electric vehicles have on the environment
- [EV conversion](#) - information on converting cars to electric drive

#### Vic Zero Emissions Vehicle Roadmap

For Victorians, the State government's roadmap aims to supercharge the future of ZEVs, laying out a long-term vision to achieve half of all light vehicle sales being ZEVs by 2030.

- [Download the roadmap](#) - learn about Victoria's roadmap, including the ZEV subsidy program.

#### ACT Zero Emissions Vehicle Incentives

The ACT government's strategy in tackling climate change involves incentivising the purchase of ZEVs in order to cut down emissions.

- [Incentive plan](#) - read about the incentives for and future of ZEVs in ACT



### Energy Saving Trust

Energy Saving Trust are a voice on energy efficiency and clean energy solutions who work towards a smart, decarbonised, decentralised energy system - empowering people to make better energy choices.

- [E-Motorbikes](#) - read about what e-motorbikes offer and the benefits they hold for the environment.

### Know of any other groups or resources? [Let us know.](#)

Researching electric & zero emission vehicles is part of a larger collective response. [Click here to read more.](#)

Lobby your local council for low carbon transport options and infrastructure

<https://theregenerators.co/action-areas/move-lightly/embrace-cleaner-personal-public-transport/lobby-your-local-council-for-low-carbon-transport-options-infrastructure/>

Lobby your local council for low carbon transport options

Use your voice to make changes on a micro, local council, level.

We need to make large, widespread changes in how we rebuild and protect our planet, but things can change on a more micro level as well.

Electric buses and trams are a reality, with 430,000 buses being utilised in China in 2020, and Norway launching the world’s largest electric ferry. Put a voice to the changes you want to see and approach your local council or LGA. Start the dialogue: get in touch with your local council to lobby for cleaner transport options, low-carbon vehicle use and infrastructure that will help contribute to a cleaner, healthier neighbourhood.

### Citizens’ Climate Lobby Australia

The Citizens’ Climate Lobby Australia is a grassroots advocacy and education organisation that aims to accelerate climate change solutions through democracy.

- [Levers of Political Will](#) - learn about how you can support a cause by lobbying, grassroots, group work and more.
- [Net Zero by 2050](#) - read about the achievements of their 100 Days of Action campaign.

### Community Power Agency

Community Power Agency advocate for community energy, supporting Australians to engage with and transition to renewable energy sources, providing expert support and advice.

- [Advocacy projects](#) - get behind CPA’s advocacy projects and policy work

### Climate Change Authority

The Climate Change Authority provides independent, expert advice on climate change policy, undertaking reviews and making recommendations on various climate change related matters.

- [Opportunities to reduce light vehicle emissions](#) - read the CCA report on ways we can reduce transport emissions
- [Download consultation history](#) - read previous consultations done by the CCA

### Solar Citizens

Solar Citizens are an independent organisation that aim to protect and grow renewable energy in Australia, running campaigns that utilise people power to put pressure on decision makers and bring about a renewable Australian future.

- [Join the campaign](#) - learn about Solar Citizens’ campaign to accelerate clean transport and sign the petition.

**Know of any other groups or resources? [Let us know.](#)**

Lobbying your local council for low carbon transport options and infrastructure is part of a larger collective response. [Click here to read more.](#)

## SOLUTION 7: CREATE A REGENERATIVE & SECURE FOOD FUTURE



One of the most exciting and fast developing solutions in Australia is happening on our farms. Australia has some of the leading regenerative farmers in the world; farmers who are moving away from high chemical, industrial farming practices to more natural, biological methods. The benefits are enormous. Apart from the high quality food they produce, these farms are capturing more water in their landscapes and improving the life and biodiversity on their land, as well as pulling carbon from the atmosphere and storing it in their soils. These practices are also creating more resilient farms as the land can hold far more water when a downpour arrives; therefore, the farms can endure the drier periods because of the depth of moisture in its soils. As magnificent as this all sounds, there is much work to be done to help farmers transition to these methods, to ease the load of their often crippling debts, and to make sure they are paid a fair price for their hard work.

Some of the solutions in this collective response that you may have seen in the film include:

- Regenerative agriculture
- Measuring soil carbon and nutrition in the food
- Urban farming

Learn more about [creating a regenerative and secure food future](#) and the actions you can take [back to the top](#)

### DETAILS:

<https://theregenerators.co/action-areas/revive-soils/create-a-regenerative-and-secure-food-future/>

#### Create a regenerative and secure food future

This response highlights the various ways we can put healthy, locally grown produce at the heart of our food system once again.

Our foods must come from rich, nourishing soils which connect growers to their communities and reverses the damage done by high chemical industrial practices

Why is this important?

Our current food system generates thirty-five percent of total global emissions and yet one third of the food we produce is wasted and doesn't even make it into our mouths.

The combination of pesticides, herbicides, fertilisers and antibiotics used to produce our food has not only destroyed the life and nutrition of our soils, but has taken a toll on farmers, on their families, on their waterways and their livestock. Rates of cancer, Parkinson's disease, and suicides amongst US farmers are amongst the highest of any profession in the world.

The regeneration of our food system is already underway in many parts of the world and would have a transformative effect. But there is work to be done. Existing debts, subsidy and policy structures, plus entrenched corporate food giants, are all areas that need urgent addressing.

How are others approaching this?

There are many ways that people around the world are attempting to create regenerative and secure food future. Below is a small sample. If you have any further examples that you think should be on this list, [please get in touch](#).

### **Regenerative agriculture**

Across the world, it is estimated that more than 15 million smallholder farmers and tens of thousands of farmers and ranchers are now employing agricultural methods that reverse the loss of soil health, heal landscapes, hold water and bring agriculture and food back to life.

Regenerative food systems include agroforestry, agroecology, silvopasture, pasture cropping, advanced rotational grazing and crop diversification. Although the term is new, most of these methods have been used by Indigenous cultures for many thousands of years.

Recent research shows that if Regenerative Agriculture practices were phased in and implemented on a quarter of the world's farms and grasslands, we could absorb and retain 55 billion tons of greenhouse gases in next 30 years.

### **Measuring soil carbon and nutrition in the food**

With the increased awareness of the links between soil health, nutritional density in food and human health, technologies that would allow consumers to measure the nutrition of their food at point of sale could be revolutionary.

Not only could this lead to healthier populations but it would also send a signal to farmers about the quality of food that consumers would like grown: this would lead to an increase in regenerative agriculture. Although not yet available, the technologies are rapidly being developed and gaining in accuracy.

### **Urban farming**

Vacant lots, car parks, rooftops, parks, median strips, warehouses - all are capable of growing nutritious food gardens for urban communities. These gardens also spring to life with birds, butterflies, bees and other pollinators connecting people and children to nature in urban settings.

While all cities have different available space, a recent study in Cleveland, Ohio showed that if 80% of its vacant lots were converted to vegetable plots, and chickens and bees were added, the city would be supplied with half its fresh produce, 25% of its poultry and eggs and all of its honey.

If rooftops were added, all of its fresh produce needs could be met.

### **Eating trees**

One of the world's most nutrient-dense foods may be one you've never tasted. It's the leaf of the moringa tree, native to the foothills of the Himalayas. The leaf is 30 percent protein and contains all nine essential amino acids.

Researchers have recently discovered 600 'edible trees', some with leaves that have twice the nutritional density as store-bought vegetables. The trees are perennial so not only do they sequester carbon, but the soil remains intact along with the microbes, fungi and mineral aggregates that reside within.

The ancient idea of food forests - plots of land covered with edible perennial plants designed to mimic the edge of a forest - is gaining traction once again. The trees can be a mixture of nuts, fruits, and leaves.

They are ideal for regeneration because they are diverse, high yielding, multi-seasonal and relatively low maintenance.

### **Agroforestry**

Agroforestry is an agricultural practice used for centuries by many cultures and involves a dynamic and varied combination of trees, woody perennials, annuals, and animals.

This practice can scale from less than an acre, to thousands of acres supporting entire communities. Many hilltops of Tanzania, for example, have avocados, bananas, coffee beans, pumpkins, chickens and goats all existing together in small areas of land, providing abundant nutrient rich food for their residents.

In a world of climate fluctuations and soil erosion, the combination of food, shade, moisture, healthy soil and thriving biodiversity provides economic and ecological resilience, and presents what many scientists and practitioners have touted - an ideal solution.

## **FEATURED STORIES**

### **From the ground up**

13 minute watch

A beautiful introductory film to the world of regenerative agriculture by Amy Browne.

[Watch](#)

[https://www.youtube.com/watch?v=6vQW8Tl\\_KLc&feature=emb\\_imp\\_woyt](https://www.youtube.com/watch?v=6vQW8Tl_KLc&feature=emb_imp_woyt)

### **Healing farm designs**

7 minute watch

A short, innovative demonstration of how land, water, crops and biodiversity can exist harmoniously in certain regions

## Watch

[https://www.youtube.com/watch?v=V3tpaIf6Jcc&feature=emb\\_imp\\_woyt](https://www.youtube.com/watch?v=V3tpaIf6Jcc&feature=emb_imp_woyt)

About the film

Permaculture instructor Andrew Millison explains the landscape profile zones of the Keyline® farm design system. The four zones within the landscape profile are:

1. Water Catchment Zone
2. Water Retention Zone
3. Irrigation Zone
4. Reconstitution Zone

When this system is applied to the landscape, the whole ecosystem and biosphere are benefitted, along with enduring high farm yields.

Want to find out more?

This video relates to three action areas that are vital for regeneration

1. [Reviving soils](#)
2. [Purifying air and water](#)
3. [Healing habitats](#)

<https://theregenerators.co/action-areas/heal-habitats/>

Overview

Healing Habitats presents an opportunity for collaboration between a diversity of people and a diversity of plants, fungi, animals and bacteria. From lush underwater seagrass meadows to the shaded lairs of boreal forests, to carbon rich mangroves bubbling with activity - the planet's habitats need our help. This action area invites you to bring life back to our ecosystems: the life support systems for all living things, including us. From lush underwater seagrass meadows, to the shaded lairs of boreal forests, and to carbon rich mangroves bubbling with activity - the planet's habitats need our help.

This action area teaches you what needs to be done, shows you how it is being done and invites you to join others who are getting it done.

These action areas are large, complex and interconnected. There are a number of key collective responses required to help shift the status quo. We have curated a list of those responses for you to explore linked to regenerative actions that you can take.

The list below is not yet comprehensive and the following are **coming soon**:

- Connect with the ecology and Indigenous wisdom of your place
- Create new habitats on degraded lands and waters
- Embrace onsets, not offsets for rapid repair
- Change what we measure and incentive

Collective responses:

### **Restore and regenerate habitats**

This response presents an opportunity for a meaningful collaboration between people, plants, animals, water and the land.

[Learn more](#)

<https://theregenerators.co/action-areas/heal-habitats/restore-and-regenerate-habitats/>



### Restore and regenerate habitats

This response presents an opportunity for a meaningful collaboration between people, plants, animals, water and the land.



Regenerating habitats brings life back to what has been destroyed, it repairs water cycles that can fundamentally change regions, and it allows us to create a legacy. By restoring and regenerating habitats, we are honouring the future. We are planting the seeds for distant, thriving, regenerative societies.

#### Why is this important?

Currently about twenty-five percent of ice-free land on earth is degraded due to human activities. This is impacting up to 3 billion people who depend on these lands for their livelihood. Ocean acidity and temperatures have increased due to global warming and just 13 percent of the world's oceans have intact marine ecosystems.

When we destroy the likes of forests, mangroves, soils or seagrasses, we not only release more carbon that will intensify global warming, but we also destroy the life in those ecosystems. Life that supports us. The foundations of our society are built on the health of our soils and our seas. Without urgent regeneration, their demise will ultimately lead to our own.

#### How are others attempting to restore and regenerate habitats?

There are many ways that people around the world are attempting to regenerate habitats. Below is a small sample. If you have any further examples that you think should be on this list, please [get in touch](#).

### **Reforestation**

There are currently around three trillion trees on earth – a staggering number – yet only half of the trees that were on earth in the early days of human civilization. We lose around 10 billion trees a year to deforestation and fires.

Reforestation means regenerating those forests that have been lost or cut down. Forests that impact the planet's water cycles, store vast amounts of carbon and provide homes for a dazzling array of life.

### **Afforestation**

Afforestation differs from reforestation as it involves the planting of trees, on a small or large scale, on parts of land that have not previously been forested. A recent study estimated that there are two billion acres available worldwide that could grow up to a trillion extra trees. This would not only be enormous for carbon capture but would create habitats for wildlife, reduce soil erosion and positively impact small water cycles across the planet.

Key questions that need asking though are what trees should we plant? Should they suit warmer climates than today? On whose land? What unintended consequences could afforestation have? And have we consulted with traditional Indigenous custodians?

### **Proforestation**

Proforestation is the practice of protecting intact forests and letting degraded forests recover and mature. Of the 11 billion tons of carbon humans emit each year, 5.8 billion are sequestered (or taken in) by land, plants and oceans. Of these three, forests are the greatest remover of carbon dioxide on the planet and mature forests are responsible for the majority of that sequestration.

Scientists now understand that trees keep accumulating significant amounts of carbon to almost the end of their long lives. They have found that proforestation would have a forty times greater impact between now and 2100 than newly planted forests.

### **Seaweed regeneration**

Seaweed is a diverse family of 14,000 species. Giant kelp once swayed in ancient underwater forests for miles off shorelines across the world. But with agricultural chemicals running into the sea and oceans warming from climate change, these great storers of carbon and breeding grounds for marine life have been decimated. Many people are trying to bring them back. Apart from sequestering large amounts of carbon, some seaweeds absorb nitrogen from polluted waters, others can lower methane emissions (although more research is required due to some varieties of seaweed that can damage the ozone layer if grown in large amounts), while many seaweed varieties have remarkable health benefits. Seaweed farming, or seaforrestation, is being recognised as a crucial component of Regeneration. Permits, legislation and designs that will allow seaweed to scale to the size it needs to be - is still a work in progress

### **Degraded land restoration**

The simplest step to restoring degraded land is removing the constraints on natural regeneration. For example, carefully managing livestock instead of overgrazing can allow grasses and vegetation to grow back. Regeneration is the default mode of nature. She has been recovering from disasters for eons, including fires, floods and even asteroid strikes. There are circumstances, however, where humans will have to step in and assist the regeneration process. This could be through tree planting, building soil health, healing waterways, removing certain introduced predators or re-wilding.

### **Agroforestry**

Agroforestry is an agricultural practice that has been used for centuries and involves a dynamic and varied combination of trees, woody perennials, annuals and animals. It can scale from less than an acre, to thousands of acres supporting entire communities. Many mountain sides of Tanzania, have avocados, bananas, coffee beans, pumpkins, chickens and goats all existing together in small areas of land, providing abundance for their local residents. In a world of climate fluctuations and soil erosion, the combination of food, shade, moisture, healthy soil and thriving biodiversity provides economic and ecological resilience and presents what many scientists and practitioners have touted - an ideal solution.

### **FEATURED STORIES:**

#### **Fools and Dreamers**

30 minute watch

The incredible story of how one man spent 30 years regenerating degraded land into an enormous native forest

[Watch](#)

<https://theregenerators.co/stories/fools-and-dreamers/>

[https://www.youtube.com/watch?v=3VZSJKbzyMc&feature=emb\\_imp\\_woyt](https://www.youtube.com/watch?v=3VZSJKbzyMc&feature=emb_imp_woyt)

#### **The Odonata story**

12 minute watch

A story of how a species was saved and a landscape regenerated, while returning profits to farmers.

[Watch](#)

<https://theregenerators.co/stories/the-odonata-story/>

[https://www.youtube.com/watch?v=BbazZIJ9Lvw&feature=emb\\_imp\\_woyt](https://www.youtube.com/watch?v=BbazZIJ9Lvw&feature=emb_imp_woyt)

#### **How we regenerate Australian landscapes**

3 minute watch

A short film showing how European farming practices have impacted Australian water and landscapes and how they can be regenerated.

[Watch](#)

<https://theregenerators.co/stories/how-we-regenerate-australian-landscapes/>

How we regenerate Australian landscapes

A short film showing how European farming practices have impacted Australian water and landscapes and how they can be regenerated.

[https://www.youtube.com/watch?v=kbaSL94NBcw&feature=emb\\_imp\\_woyt](https://www.youtube.com/watch?v=kbaSL94NBcw&feature=emb_imp_woyt)

### **ACTIONS:**

Donate to support the protection and restoration of habitats

<https://theregenerators.co/action-areas/heal-habitats/restore-and-regenerate-habitats/donate-to-support-the-protection-and-restoration-of-habitats/>

Donate to support the protection and restoration of habitats

There are many organisations that are involved in habitat regeneration that will meaningfully regenerate these landscapes and protect its threatened species. It’s estimated they will need at least \$2 billion a year.

Current estimates show that approximately 25 percent of all land on earth currently exists in a degraded condition. This has a significant impact on soil, food production, wildlife habitat and water quality. Restoring degraded land is essential to ending the climate crisis as it will soak up large amounts of atmospheric carbon and help protect precious wildlife habitat. There are many organisations that are involved in land restoration that will meaningfully regenerate these landscapes and protect its threatened species. Providing financial support to them is something you can do **right now**.

Here are a few options you can choose from:

- [International](#)
- [Australia](#)
- [UK](#)
- [US](#)

International

Purchase onsets that support restoration projects. Onsets are carbon credits that create a net reduction in greenhouse gases. Organisations, such as [Gold Standard](#) and the [Carbon Fund](#), provide verified onsets via their financial support of projects that improve carbon levels in the soil through regenerative agriculture and reforestation. Examples include:

- A community [reforestation project in Timor Lest](#), near Indonesia.
- Reforesting 25,000 acres of [abandoned pastureland in Panama](#).
- The [Purus](#) project and the [Russas-Valparaiso](#) project reforest portions of the Amazon in Brazil, restoring habitat for native wildlife species.
- The [Lower Mississippi Alluvial Valley Reforestation Initiative](#) aims to reforest at least one million acres throughout Louisiana, Mississippi, Arkansas, Tennessee, Kentucky, Missouri, and Illinois.

You can also make donations to these organisations who are focussed on regeneration of different habitats:

- [Conservation International](#), a global conservation organisation that combines fieldwork with policy, science, and finance.
- [The Nature Conservancy](#), global environmental nonprofit working to create a world where people and nature can thrive.
- [Rainforest Alliance](#), builds alliances of people in over 60 countries to conserve forests and support sustainable livelihoods.
- [Regeneration International](#), a nonprofit dedicated to accelerating the implementation of regenerative agriculture around the world.
- [One Percent for the Planet](#), a global philanthropic network of businesses, individuals, and organisations.

## Australia

- The [Yarra Yarra Biodiversity Corridor](#) in Australia, in which 30 million native trees have been planted across almost 14,000 hectares.
- [Landcare Australia](#), an organisation of volunteers who work to protect, restore, and maintain natural landscapes on behalf of local communities.
- [World Wildlife Fund Australia \(WWF-Australia\)](#)’s mission is to halt the decline of [threatened plants and animals](#) and to support their recovery. They currently have a number of campaigns that you can donate directly to.
- [The Nature Conservancy Australia](#) focusses on conserving Australia’s natural landscapes and crucial wildlife habitat. Your gift could help to ensure the survival of a threatened species through projects such as land purchase for conservation and bringing marine ecosystems to life.
- [Greening Australia](#) is committed to restoring Australia’s diverse landscapes and protecting biodiversity. Funds are focussed on restoring degraded land, protecting endangered species and sequestering carbon emissions.
- [Bush Heritage Australia buys and manages land](#) for conservation, and also [partners with Aboriginal people](#), and the agricultural sector to achieve conservation outcomes. Your donations help fund critical revegetation projects, supporting fire-preparation and supporting feral animal management.
- [Odonata](#) is a not-for-profit supporting biodiversity impact solutions by creating, supporting, nurturing and empowering businesses and entrepreneurs to move towards a more environmentally sustainable world. Money donated to Odonata helps protect Australia’s threatened species.

## Advocate for more indigenous protected areas

<https://theregenerators.co/action-areas/heal-habitats/restore-and-regenerate-habitats/advocate-for-commitment-to-global-goals-regarding-habitat-protection-and-restoration/>

## Advocate for more Indigenous protected areas

Call on your local candidates to grow and secure funding for Indigenous ranger programs and Indigenous protected areas.

Indigenous communities globally manage at least 25% of the world’s lands, 17% of all forest carbon, and vast stretches of freshwater and marine habitats. It has been shown that when First Nations peoples manage and steward the land and waters - guided by culture and deep knowledge and connection to the land - powerful outcomes are achieved for people and nature. In most cases, more biodiversity is sustained in those places than in government protected areas.

Across Australia, more and more Aboriginal and Torres Strait Islander communities are calling for support to establish Indigenous Protected Areas (IPAs). IPAs are areas of land or sea cared for by traditional custodians and are an essential component of Australia’s National Reserve System.

In Australia, however, government funding isn’t meeting the demand from traditional owner groups to manage Country, nor the level needed to protect the vast land and sea country of our continent. There needs to be a lot more support, funding and advocacy to increase IPAs in Australia, but you can help!

### Country Needs People

Country Needs People is a growing group of Indigenous and non-Indigenous Australians that are calling on decision-makers to support, and garner more funding for, Indigenous rangers and Indigenous Protected Areas.

- [\*\*Join the call\*\*](#) - send a message directly to your local candidates to grow and secure funding for Indigenous rangers and Indigenous protected areas.
- [\*\*Share your voice\*\*](#) - add your own individual message of support.

Advocating for more Indigenous protected areas is part of a larger collective response. [Learn more](#) and find other actions about restoring and regenerating habitats.

Know of any other resources? [Let us know.](#)



## SOLUTION 8: RESTORE NATURAL WATER CYCLES



Whenever we clear land and remove trees or vegetation, we are impacting the planet’s water cycle. Trees and vegetation transpire - meaning they take moisture from the soil and put it into the atmosphere. This can create rainfall and micro climates that have a cooling effect on the region. The vegetation also helps to capture water when heavy rains come. The covered ground slows down water flows and can prevent flooding; it also allows the water to seep further into the landscape filling up aquifers or passing into nearby rivers. Seventy-five percent of the planet’s land is currently degraded and bare, and is releasing carbon and radiating heat.

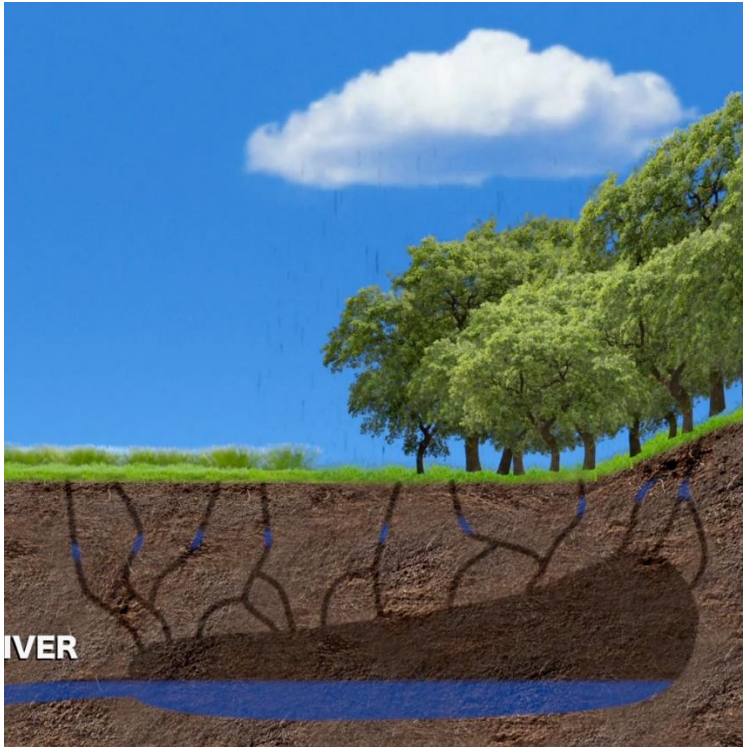
By increasing our tree and vegetation cover, as well as building healthier soils, Australian landscapes can remove carbon from the atmosphere, cool the climate and regenerate water cycles.

Learn more about [restoring natural water cycles](#) and the actions you can take [back to the top](#)

### DETAILS:

Restore natural water cycles

This response invites us to consider that we can have an impact on the weather in our own region.



Our planet has both large and small water cycles but it is the small water cycle that influences local rainfall patterns. It is estimated that an average of 720 mm of rain hits the planet's land each year. 310 mm comes from the large water cycle yet 410 mm comes from the repeated evaporation-precipitation process of the small water cycle. This small cycle is impacted by the grass, tree or vegetation cover of a particular region.

Why is this important?

Deforestation, agriculture and urbanisation have all had a huge impact on the small water cycles of the planet. The water that was once captured in soils covered with vegetation, now quickly evaporates or washes off degraded lands or concrete surfaces. Many of the trees that transpired water from the ground into the atmosphere have been removed. The good news is that by restoring the small water cycle in your region via extensive tree, crop and vegetation cover, you could actually see results in your lifetime. Local summers would be cooler, local winters would be warmer, local droughts would be less severe and local rainfall events less extreme.

In urban areas, the small water cycle would be improved by recycling stormwater, domestic wastewater and the effluent from sewerage systems. We could also help by 'wilding our towns and cities' by covering the land areas (and rooftops) with vegetation.

### FEATURED STORIES:

#### **It's about time**

1 minute watch

A brief and playful look at how we are impacting our oceans and what you can do to help

[Watch](#)

<https://theregenerators.co/stories/its-about-time/>

[https://www.youtube.com/watch?t=24&v=uCeg44zrprA&feature=emb\\_imp\\_woyt](https://www.youtube.com/watch?t=24&v=uCeg44zrprA&feature=emb_imp_woyt)

### **Water brings life**

15 minute watch

An inspiring story of a farmer who used the redirection of water to restore her degraded landscape.

[Watch](#)

<https://theregenerators.co/stories/holding-water/>

Water brings life

An inspiring story of a farmer who used the redirection of water to restore her degraded landscape.

[https://www.youtube.com/watch?v=1MrH0ngSdPQ&feature=emb\\_imp\\_woyt](https://www.youtube.com/watch?v=1MrH0ngSdPQ&feature=emb_imp_woyt)

About the film

Across the world, farmers face growing challenges as extreme weather and climate change take their toll. At the Danthonia Bruderhof farm in Australia - a land renowned for "drought and flooding rains" (and bushfires) - we're implementing Regenerative Agriculture practices, to work with nature to restore and improve our landscape. In this video, we showcase the efforts our community's farmers are making towards "drought-proofing" our farm by increasing the capacity of our land to hold water.

### **Sea Forest**

6 minute watch

Sam Elsom shares Sea Forest's story of tackling climate change through the cultivation of asparagus.

[Watch](#)

<https://theregenerators.co/stories/sea-forest/>

(VIDEO LINK NOT FOUND)

### **ACTIONS:**

Join the movement to restore urban waterways

<https://theregenerators.co/action-areas/purify-air-water/restore-natural-water-cycles/join-the-movement-to-restore-urban-waterways/>

Join the movement to restore urban waterways

The daylighting of urban rivers can create new habitat for plants and animals, reduce flood risks, and create new 'green corridors' through urban areas. You can help by joining the movement.

As cities developed over time, many natural waterways (such as rivers, creeks and drainage ways) were 'culverted' - covered over with concrete or pavement to create space for development and to serve automobile traffic. Restorations of urban rivers can also include converting concrete drainage systems back into natural watercourses, enabling water to filter and flow once again through wetlands.

Today, a global movement is growing to “daylight” (re-expose) these hidden rivers and streams, with the restoration of Seoul’s [Cheonggyecheon river](#) being an inspiration to cities around the world. The benefits of regenerating urban rivers are manifold! The health of these waterways are revived and they become new habitats for plants and animals. They can also reduce the risk of flood and create new ‘green corridors’ through urban areas that come with economic and recreational benefits.

Here are some suggested ways that you can learn more about, contribute to, or be involved in, the movement!

Learn more about this solution

- [Visit the Naturally Resilient Communities website](#)
- [Read 10 reasons why cities should daylight rivers](#)

Discover ‘lost’ rivers in your city

Take a journey through history to find ‘lost’ rivers in your city, or concrete drains that could be restored back into natural waterways! Adam Broadhead, a scholar on the subject, suggests some great places to start in the [Fresh Water blog](#).

- **Look at old maps of your local area** - street and place names are a good way to start your search – Springvale Road, Riverdale Street etc - the clues are in the name!
- If you have access to data and open source GIS software, topography data can tell you the routes of old valleys.
- **Visit your library and local archives** - look for historic text books referencing old streams and springs, old photographs and paintings.
- **Engage your community!** Talk to local people who remember the watercourse first-hand or know of springs flowing through their gardens.

Include it in your curriculum

Teachers and educators involved in the [Daylighting Rivers](#) project have developed a free curriculum for secondary school students to engage with inquiry-based and interdisciplinary learning focused on land and river use and transformations, with an emphasis on the ways in which urban growth impacts local river ecosystems. Most distinctively, the goal is for students to understand the importance of “bringing to light” the hidden rivers that are buried under their city – in a sense that is figurative as well as tangible

- [Daylighting Rivers: Science Education for Civic Ecology](#) - explore the learning units

Become a regenerative leader!

Start a conversation, volunteer, or advocate for, ‘daylighting’ and restoring river projects in your city

If this is an area that lights you up - why not start a conversation with your local community and/or council about potential opportunities to ‘daylight’ rivers or streams in your area? There may be lost rivers that you have found through inquiry, or that have already been identified.

Your search and conversations can also include concrete drains that could be restored back into natural waterways, replacing concrete walls with natural infrastructure.

Here are some suggested starting points, ideas and resources:

- [Green Communities Guide](#) - learn about project considerations for daylighting streams and rivers, and the benefits to nature, local businesses and the community.

- **Contact your local council, water management departments and water companies**, to see if there are any current or potential plans underway to invest in significant maintenance or rebuilds to local underground waterways. From there, you could investigate whether these planned works present an opportunity to daylight these waterways. Put a case forward for the project to include this restoration.
- **Volunteer your time and offer your skills and expertise to a daylighting plan or project underway in your local area.** These projects require a high level of engagement with the residents and businesses in the community where the restoration is to take place, and as such you could form a community advocacy group to help garner local support for the project.
- **Identify benefits for private sector developers to open up buried watercourses themselves, or for water companies to do it to help reduce their own operating costs.**

Local councils may consider engaging schools with the [Daylighting Rivers curriculum](#) (above) and invite students to help in the search for lost rivers.

Remember to include in your search any concrete drains in your area that could be restored back into natural watercourses. These projects tend to be less complicated and costly than ‘daylighting’ projects, and with huge win-win benefits to people and nature!

Joining the movement to “daylight” and restore urban waterways is part of a larger collective response. Learn more and find other actions about [restoring natural water cycles](#). Know of any other resources? [Get in touch](#).

Protect natural aquifers from coal seam gas mining

<https://theregenerators.co/action-areas/purify-air-water/restore-natural-water-cycles/protect-natural-aquifers-from-coal-seam-gas-mining/>

Protect natural aquifers from coal seam gas mining

Our planet’s small water cycles are being hugely affected by deforestation, agriculture and urbanisation - and coal seam gas mining is a chief culprit in the eradication of natural aquifers which contain groundwater.

Our planet’s small water cycles are being hugely affected by deforestation, agriculture and urbanisation - and coal seam gas mining is a chief culprit in the eradication of natural aquifers which contain groundwater. Groundwater makes up 17% of accessible water resources in Australia, and those who rely on it range from residents of towns and cities, to farmers, to people living in remote water-stressed areas, to plants and animals. This supply, crucial to so many, is threatened by coal seam gas via extraction of the groundwater to allow for mine operation and fracking, affecting the quality and quantity of the water.

Department of Agriculture, Water and the Environment

The Australian Government’s branch that aims to protect our agriculture, environment, heritage and water resources through regulation and partnership.

- [Learn about coal seam gas mining](#)
- [Access resources](#) - studies and reports about coal seam gas and its effects and regulations.

The Independent Expert Scientific Committee on Coal Seam Gas and Large Coal Mining Development (IESC)



The IESC is a statutory committee of leading scientists that independently advises government regulators on the impacts that coal seam gas and coal mining have on our water resources.

- [Follow the news](#) - on coal seam gas projects and meeting notes from the IESC meetings.
- [Fact sheet](#) - coal seam gas extraction and co-produced water
- [Resources](#) - fact sheets, reports and publications on water related impacts of coal seam gas mining.

#### Lock The Gate

The Lock the Gate Alliance is a national grassroots organisation concerned about risky coal mining, coal seam gas and fracking.

- [Fact sheet](#) - about coal seam gas.
- [Sign the petition](#) - sign the letter to the PM “Don’t Frack Up Oz”.
- [Join the movement](#) - sign up as a supporter of Lock The Gate
- [Get active](#) - tips to mobilise against fracking and coal seam gas.
- [Donate](#) - to help protect Australia's land and water from coal and gas mining.

#### Seed Mob

Seed is Australia’s first Indigenous youth climate network, working towards climate justice and a sustainable future with strong cultures, communities, and renewable energy.

- [Sign the origin petition](#) - to “frack off” from the NT.
- [Sign the 21 million petition](#) - to fight against hand-outs to fossil fuel companies.
- [Watch the film](#) - “Water is Life”, a documentary about Aboriginal communities fighting against fracking - or, organise your own screening.
- [Volunteer](#) - if you are Indigenous, sign up to Seed to be part of the movement. For non-Indigenous people who want to get involved, you can sign up to volunteer with the [Australian Youth Climate Coalition](#)
- [.Donate](#) - to support the movement.

Know of any other groups or resources? [Get in touch.](#)

Protecting natural aquifers from coal seam gas mining is part of a larger collective response. [Click here to read more.](#)

Engage politicians to drive action on regeneration

<https://theregenerators.co/action-areas/purify-air-water/restore-natural-water-cycles/engage-politicians-to-drive-action-on-regeneration/>

Engage politicians to drive action on regeneration

While we fight and combat the forces of climate change, we must also rebuild and regenerate. Engaging with MPs, politicians and getting involved in advocacy projects to stimulate this is important right now.

While we fight and combat the forces of climate change, we must also rebuild and regenerate while building better solutions and infrastructure to halt the effects of global warming and head towards a zero emission future. Systems like regenerative agriculture - farming and grazing practices that can reverse climate change by building healthy soils while sequestering carbon from the atmosphere - are crucial.



Moving away from destructive agricultural practices to restore our carbon balance is one way we can drive regenerative practices for our future, tackling climate change and ensuring a better future. Engaging with MPs, politicians and getting involved in advocacy projects and movements to stimulate this are actions we can all take. Here are some first steps:

#### Contact your MP

Contacting your MP to engage with them on climate change action and regeneration is one of the most effective ways of making positive change. Before you make contact, make sure you’ve done some research on their position on climate change and energy policy.

- [Find your local MP here](#) and get in touch.

#### WWF Australia

WWF is a leading and global voice for nature, working with governments, businesses and communities to combat environmental issues and conserve biodiversity.

- [Renewable recovery after COVID](#) - help call on the Government for a renewable-led stimulus recovery package.

#### Beyond Zero Emissions

Beyond Zero Emissions is a think tank focused on enabling Australia’s switch to zero emissions, publishing research to inspire political leadership and accelerate policy change. They are powered by a wide network of volunteers that willingly give their expertise in engineering, science, economics, business, finance and communications to create climate solutions. You can help further their cause by signing up to volunteer or donating.

- [Volunteer](#) - become a Beyond Zero Emissions volunteer
- [Learn about repowering Australian manufacturing through renewable energy](#)

#### Community Power Agency

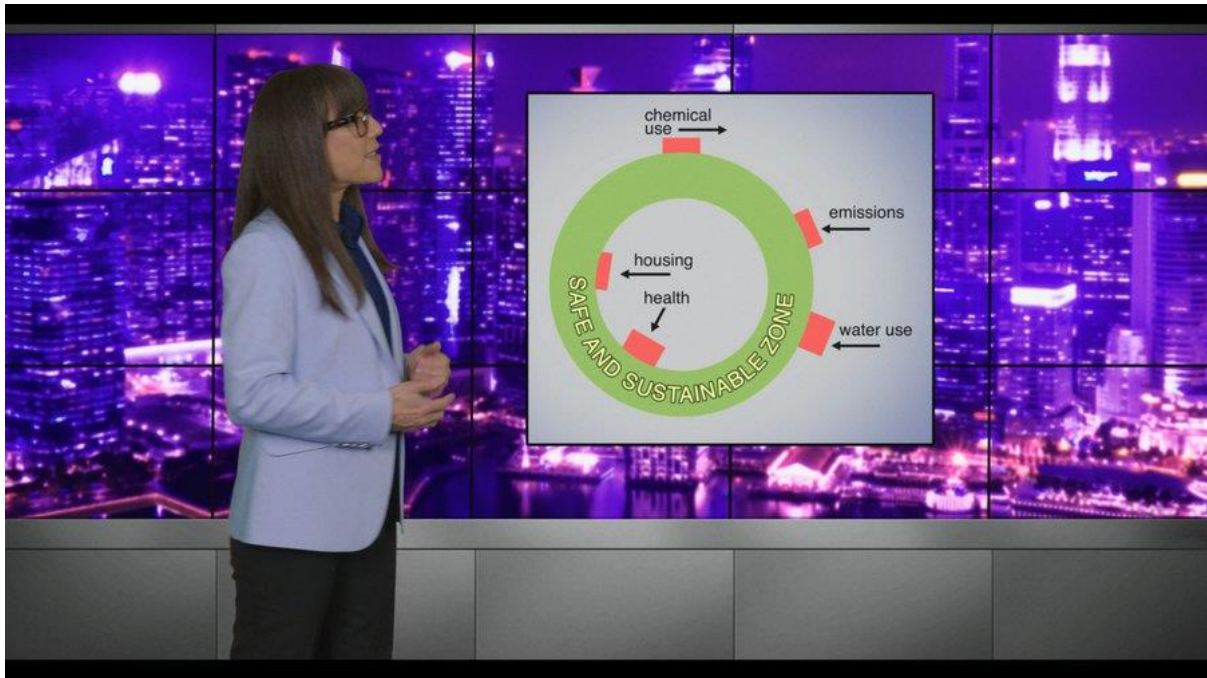
Community Power Agency advocates for community energy, supporting Australians to engage with and transition to renewable energy sources, providing expert support and advice.

- [Advocacy](#) - learn about CPA’s advocacy and policy work and how you can get involved.
- [Local Power Plan](#) - get behind the blueprint for Australians to benefit from local and cheap energy by signing the campaign.

Engaging politicians to drive action on regenerative climate change is part of a larger collective response. [Click here to read more.](#)

Know of any other groups or resources? [Get in touch.](#)

## SOLUTION 9: CHANGING WHAT WE MEASURE & INCENTIVISE



'You are what you measure' is a commonly used simple phrase. Currently the predominant measure in our society is economic growth and wealth accumulation. Not only is this focus incredibly narrow, but the growth we measure is coming at the expense of the living world with little to no mainstream mention being made. Research shows that Indigenous cultures which lived sustainably, measured their success and put great value in the health of the natural world around them. How would we change behaviours if our nightly news bulletins or town billboards contained regular updates on the health of our soils, the life in our forests and oceans or the pollutants in our air or waterways? These measurements of success would raise awareness and could become the measurements for which we strive.

Some of the solutions in this collective response that you may have seen in the film include:

- Measuring our success
- Ecological Law

Learn more about [changing what we measure and incentivise](#) and the actions you can take [back to the top](#)

### DETAILS:

#### Change what we measure and incentivise

This response asks us to broaden our metrics of success; to move away from a narrow economic focus, and to make visible and measurable other aspects of our lives that we care about and would like to see improved.

Research shows that sustainable Indigenous cultures measured their success by the health of the living world around them. What if our nightly news reports contained updates on soil health, on river cleanliness, or deforestation rates in our region? This would quickly make the invisible, visible, and shift the definitions of our success.

Why do we need to change what we measure and incentivise?

Our current global measurement for progress is GDP (Gross Domestic Product), which measures the value of goods and services within the economy. When the economy is doing well, GDP increases, and when it is struggling, GDP flatlines or even falls. It has been argued for a long time that GDP is far too narrow a measurement for our increasingly complex system. GDP growth (economic growth) often comes at a considerable cost to the environment and people's wellbeing.

GDP does not measure the damage to soils, wildlife, waterways, human health, or the climate to produce our goods and services and so these factors remain blind to the majority of the population. In fact, there have been numerous environmental disasters that have seen an increase in GDP because labour and resources were required to clean it up. In other words, these disasters have been good for economic growth.

How are others approaching this?

There are many ways that people around the world are attempting to change what we measure and incentivise. Below is a small sample. If you have any further examples that you think should be on this list, please [get in touch](#).

### **Measuring our success**

Many alternatives to GDP have been proposed including a GPI. The Genuine Progress Indicator is quite revealing when held up alongside the GDP metric over the past 20 years. The GPI highlights the environmental destruction and rise in income and wealth inequality that has been created by that growth. Another proposed measurement is Donut Economics which assesses societal progress by how it is adhering to its social and ecological boundaries. A society is thriving when it is 'in the safe space' of the donut but starts to break down when the boundaries of the donut are breached.

### **Ecological Law**

Ecological Law and Rights of Nature has taken off around the world in the last decade. There are now over 400 active cases underway. Rights of Nature grants legal personhood to ecosystems, with famous cases including the Whanganui River in NZ and the country of Ecuador. Many argue that we grant legal personhood and rights to corporations, isn't it time to also grant them to the natural systems we depend on for survival? We may be hearing a lot more about 'Ecocide' in the future.

### **ACTIONS:**

Lobby MPs to change to economic measures that support healthy ecology

<https://theregenerators.co/action-areas/harmonise-the-system/change-what-we-measure-and-incentivise/lobby-local-mps-to-change-to-economic-measures-that-support-healthy-planetary-ecology/>

Lobby MPs to change to economic measures that support healthy ecology

Greater engagement with our ecological and economic health can start with you, but we can get MPs on board to drive economic measures that support a better ecology.

Our planet's ecology is struggling to maintain equilibrium and to cope with the demands of a human population - and this equilibrium will slip out of the grasp of future generations if we don't act now. A healthier planet comes from us, to regenerate an ecological system that has the resilience and sustainability to survive for years and provide for generations to come.

Looking beyond the narrow framework of the GDP as a measure of progress is an important start point, and reframing our thinking from efficiency and growth to sustainability and development of a complex and nuanced system. Greater engagement with our ecological and economic health can start with you, but we can get MPs onboard to drive economic measures that support a better ecology:

#### Contact your MP

Contacting your MP to engage with them on expansion of renewable energy is one of the most effective ways of making positive change. Before you make contact, make sure you’ve done some research on their position on climate change and energy policy.

- [\*\*Find your local MP here\*\*](#) and get in touch

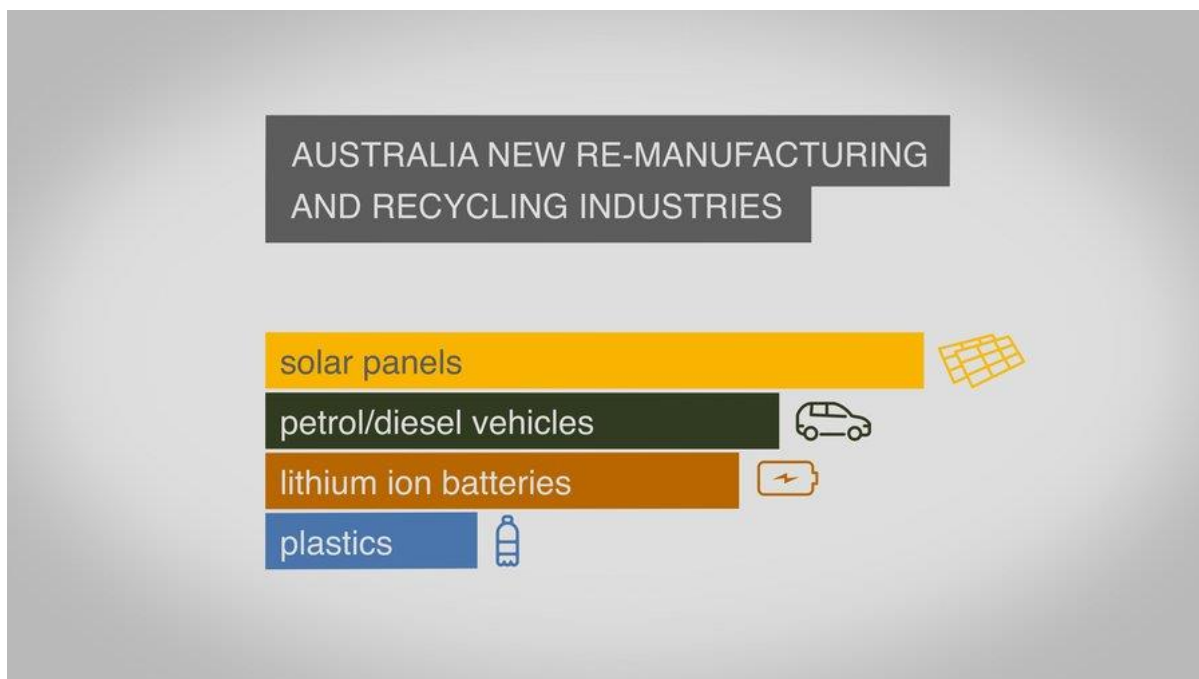
The following resources can help you form your approach:

- [\*\*Read about economy and ecology\*\*](#) - the necessity of financial investment solutions for environmental initiatives to restore and protect our ecology,
- [\*\*Get involved\*\*](#) - learn about how you can help Greening Australia, either by volunteering your time, donating, or just learning and spreading the word,
- [\*\*Learn about GDP alternatives\*\*](#) - learn about eight different ways we can measure economic health,
- [\*\*Read about the circular economy\*\*](#) and the opportunities and benefits for the environment,
- [\*\*Learn about circular economy actions\*\*](#),
- [\*\*Watch the Circular Council webinar\*\*](#) - Australia’s first Circular Economy Lead in local Government (Lake Macquarie),
- [\*\*Read Renewables nation\*\*](#) - WWF’s plan for making Australia a renewable energy exports superpower,
- [\*\*Help call for renewable recovery after COVID\*\*](#) - to push the Government for a renewable-led stimulus recovery package.

Know of any other groups or resources? [Get in touch.](#)

Lobbying MPs for economic measures that support healthy planetary ecology is part of a larger collective response. [Click here to read more.](#)

## SOLUTION 10: CREATE LOCALLY FOCUSED CIRCULAR ECONOMIES



Over the past thirty years, our economic system has rapidly moved away from the local, and prioritised the global. Subsidies and tax breaks have allowed the expansion of large corporations, and this has led to monocultures of food, media, medicine and social platforms where a handful of companies own and control the majority of the things we consume. Naturally, this has brought many benefits, but it has also increased emissions, generated huge amounts of waste, relocated jobs, driven income inequality and increased our consumption which has caused many aspects of ecological degradation. As a result, many people are now turning to locally sourced goods and services. This change creates deeper bonds and connections within communities; the profits therefore remain in the communities and often leads to less waste and extractive consumption.

Some of the solutions in this collective response that you may have seen in the film include:

1. Localisation
2. Remanufacturing
3. Doughnut economics

Learn more about [creating locally focussed circular economies](#) and the actions you can take [back to the top](#)

### DETAILS:

Create locally focused circular economies

This response shifts our focus away from the global and back to the local.

Locally focused circular economies restitch the broken threads of community and creates safer, connected and more environmentally aware places in which to live and work. Healthy local economies re-use materials, share or exchange goods and services, offer fresh,

nutritious foods, minimise waste and emissions, provide support to those who need it, and prioritise care and connection over capital. Localised economies are also diverse. They are nimble and versatile, and as a result, are more resilient to the future climate shocks or pandemics that await us.

Why do we need to do this?

Over the past 30 years, our economic system has rapidly moved away from the local and prioritised the global. Subsidies and tax breaks have allowed the expansion of large, monolithic corporations. This has led to monocultures of food, media, medicine, and social platforms where a handful of companies own and control the majority of the things we consume and engage with.

This has brought obvious benefits, but it has also increased emissions, generated huge amounts of waste, relocated jobs, increased disease and mental health, driven income inequality and turbo charged our consumption, which has directly caused ecological degradation. We are already using twice the materials that the earth can replenish in a year, yet our economy is on track to double in size by 2041, and be seven times bigger by 2100. Rebuilding the small and local is one of the most important regenerative pathways we need to take.

How are others approaching this?

There are many ways that people around the world are creating circular local economies. Below is a small sample. If you have any further examples that you think should be on this list, please email XXX.

### **Localisation**

Localisation is often attributed to food and there is no doubt that the benefits to human health, community bonds and the environment, increase exponentially when food is localised. But localisation also applies to a range of other goods and services.

Communities are setting up 'libraries of things' where people can rent or exchange goods like lawnmowers, waffle makers or toys. Other groups hold 'repair days' where people come together to repair items instead of throwing them away. Austin, Texas has its own community owned ride share service and Transition Towns now involve thousands of people across the world who are re-localising their economies. All of these initiatives keep money in the community and strengthen the connections between its residents.

### **Remanufacturing**

Humans are currently using twice as many resources that the earth can replenish in a year. We are on track to use three times more by 2050. We are going to have to start re-using our materials.

Japan was a country short on metals so they decided to make it illegal to throw away items with metal in them. They then created a re-manufacturing industry that created new jobs by turning the old metals into new metals. Japan now recycles 98% of their metals. The rest of the world is going to have to follow plus do the same with plastics, food, wood and other materials that often end up in landfill. Circular economies are good for people and the planet.

### **Donut Economics**

Donut Economics is a model proposed by the English economist Kate Raworth based on the Planetary Boundaries framework from the Stockholm Resilience Centre. Donut Economics assesses societal progress by how it is adhering to its social and ecological boundaries.

A society is thriving when it is in the middle or 'safe space' of the donut but starts to break down when the boundaries of the donut are breached. It is a model based on circular and



regenerative principles and many see Donut Economics as a viable transition away from our extractive, exponential growth based system.

### 15 minute cities

Imagine a city where everything you needed could be found within a fifteen-minute walk or bike ride from your home, including fresh food, healthcare, schools, offices, shops, parks, gyms, banks, and entertainment. The paths to get there are safe, tree-shaded, car free neighbourhoods where people can get to know each other. It's called the fifteen-minute city and it's not imaginary.

The Paris mayor has implemented this ambitious plan and it's underway. Cities in the US, Spain, China and Australia are also taking the concept on board. As the age of the car fades, cities are being redesigned to serve their residents, discovering how much healthier, vibrant, and resilient they can be.

### ACTIONS:

Learn about localisation

<https://theregenerators.co/action-areas/consume-with-consideration/create-locally-focused-circular-economies/learn-about-localisation-circular-economy/>

Learn about localisation

Globalisation has had many unintended consequences. It's important for all of us to understand why stronger local economies are critical to our regenerative future.

Local Futures is an international non-profit organisation dedicated to renewing ecological and social wellbeing by strengthening communities and local economies worldwide. They claim that "since the mid-20th century, national governments and international institutions have been nearly unanimous in supporting globalisation, often through policies that prop up large transnational corporations to the detriment of small and local businesses." "Our global economic system has become so large and complex – with producers and consumers, CEOs and workers, and cause and effect all far removed from each other – that ethical choices are almost impossible to make, and environmental and human rights disasters have become commonplace."

Their message is:

**"Localization is about bringing the economy back to a human scale.** It is the process of building economic structures that allow the goods and services a community needs to be produced locally and regionally whenever possible. This can strengthen community cohesion and lead to greater human health and material well-being, all while reducing pollution and degradation of the natural world,"  
and,

**"Localization isn't about ending all trade.** Communities can still export surpluses once local needs are met, and they can still import goods that can't be produced locally. But localization allows local, regional, and even national self-reliance to replace dependence on distant, unaccountable corporations."

We wholeheartedly agree with these statements and believe that localisation is a key dimension to regenerating the planet and healing the world.

Learn more about localisation

LocalFutures.org has some incredible resources for you to leverage in your own localisation journey. Here are a few:

#### About globalisation

- [Watch a brief history of globalisation](#) (video)
- [Read why globalisation is destructive](#)

#### About localisation

- [Watch Localization: for people and the Earth](#) (video)
- [Read Why localisation may be a solution](#)

Learn about taking local action

Localfutures.org have created a brilliant localisation action guide recommending a whole range of actions you can take locally.

- [Explore their action guide](#)

Be inspired by people taking local action

Local futures have an ongoing series of conversations with people taking local action.

- [Watch episodes of \*Voices from the Field\*](#)

Find more ways to take action by exploring the larger collective response to [Create locally focused circular economies.](#)

Invest in a regenerative economy

<https://theregenerators.co/action-areas/consume-with-consideration/create-locally-focused-circular-economies/invest-in-a-regenerative-economy/>

Invest in a regenerative economy

Finance can be a force for good if invested wisely. Be part of the movement to use investing as a way to regenerate the planet.

When we invest our money, we’re making an active decision to put money into an asset with the hope of generating an outcome. In many cases this outcome is profit, i.e. to increase money, but you can also invest in other things in the hope they will generate a specific outcome. Things like the education of girls or the regeneration of eco-systems. There is also the opportunity to get both a great outcome and some profit.

The world economy is currently geared towards degeneration, but by shifting our money and being conscious of what impact that money is having, we can start investing in a regenerative economy. The world of business and economy listens to the language of money and where it is going so there is an opportunity for us to create enormous change by how we invest. There are a number of organisations now very focused on addressing how we can invest our money ethically and in regenerative ways..

If you have money to manage or invest regeneratively consider some of the following groups.

Bank Australia - responsible & regenerative banking

Bank Australia is committed to creating a fair and inclusive society, and together with their customers creating a world where people and the planet thrive. This is a great place to start

investing regeneratively, with an organisation that focuses on values first, profit second, uses your money responsibly.

- [Find out about their banking products](#)

Ethical Investment financial planning services

There are a number of financial planning services available that preference ethical investing. If you invest ethically and want ethically sound financial advice check out the following organisations

- [Access Ethical Investments Services](#)
- [Access Gold Leaf financial services](#)

ORICoop - invest in better outcomes

The Organic and Regenerative Investment Co-operative is an innovative organisation, focused on bringing together farmers, businesses and like-minded investors for better outcomes.

- [Find out how you can invest as a wholesaler or retail investor](#)
- [Learn about eco-credits](#)
- [Become a ORICoop member](#)

Regenerative Food Systems Investments (RFSI)

RFSI believes that investments in regenerative agriculture and food systems do more than just sequester carbon. When executed correctly they believe that these investments offer healthy returns and numerous other ecological, economic, and social benefits. Regenerative Food Systems Investment was created to facilitate education and networking that will drive increased investment in regenerative agriculture and food.

- [Find out more about RFSI](#)

Sentient Impact Group

This group sees finance as a force for good. They believe that financial capital is a form of energy that when used appropriately can support human flourishing while living in harmony with the natural world.

- [Find out more about Sentient](#)

Tiverton Agriculture Impact Fund

The TAIF fund invests in diversified food production assets and other businesses that align with the strategy of combining regenerative agriculture, biodiversity solutions and natural capital for investment returns.

- [Find out more about this fund](#)

Packhorse - investing in land restoration

Packhorse acquires and manages agricultural properties through land restoration practices. Their mission is to become a global leader in the practice of regenerative grazing and profitable cattle farming.

[Find out more about Packhorse](#)

Information sources

There are also some great resources about how to invest regeneratively. Check out these resources:

- [Eco-investor](#) - articles and news about investing with impact

NOTE: As always, you should speak to a qualified professional about your financial choices. Talk to your financial advisor today about regenerative investing. Find more ways to take action by exploring the larger collective response to [Create locally focused circular economies](#).

### FEATURED STORIES:

#### **LOCAL - a story of hope**

8 minute watch

LOCAL highlights the fragility and flawed architecture of our global system and why shifting subsidies and practices to a more local level would make an enormous difference to our future.

#### [Watch](#)

<https://theregenerators.co/stories/local-a-story-of-hope/>

LOCAL - a story of hope

LOCAL highlights the fragility and flawed architecture of our global system and why shifting subsidies and practices to a more local level would make an enormous difference to our future.

[https://www.youtube.com/watch?v=rKbys1MtO5k&feature=emb\\_imp\\_woyt](https://www.youtube.com/watch?v=rKbys1MtO5k&feature=emb_imp_woyt)

Want to find out more?

This video relates to three action areas that are vital for regeneration

1. [Harmonising the system](#)
2. [Creating locally focused circular economies](#)
3. [Sharing new stories](#)

Share new stories

<https://theregenerators.co/action-areas/share-new-stories/>

#### Overview

This action area invites us to tell new stories: stories about our deeply collaborative traits, stories about our interconnected relationships with the living world, and stories from a variety of emerging voices that have not been heard enough.

Whether we know it or not, we all spend our days playing out a story of who we tell ourselves we are: a story that informs our behaviours and our world view. But humans also play out a collective story of who we are: a story that has us believe we are exclusively selfish and competitive, we are separate from nature, and that status and wealth are crucial for our happiness. This action area invites us to generate new stories: stories about our deeply collaborative traits, stories about our interconnected relationships with the living world, and stories from a variety of emerging voices that have not been heard enough.

These action areas are large, complex and interconnected. There are a number of key collective responses required to help shift the status quo. We have curated a list of those responses for you to explore linked to regenerative actions that you can take.

The list below is not yet comprehensive and the following are **coming soon**:

- Share and create more regenerative narratives
- Embed First Nations wisdom
- Cultivate respect and empathy for other's perspectives and opinions
- Clean up the information commons
- Change what we measure and incentive
- Redirect the power of advertising

#### Collective responses





## SOLUTION 11: RESTORE & REGENERATE HABITATS



Australian landscapes are in trouble. Around two-thirds of our agricultural land is now considered degraded, and a recent report from a team of scientists found that nineteen major ecosystems - including seagrasses, woodlands, forests, mangroves and kelp forests - are all showing evidence of collapse. Regeneration is our only option. Ecosystems, like forests, are not just a large cluster of trees but are home to a dazzling array of interconnected relationships. By regenerating and restoring ecosystems, we are not only sequestering and storing carbon, reviving soils and repairing water cycles; we are importantly bringing back life - life which Australian landscapes are in trouble. Around two-thirds of our agricultural land is now considered degraded, and a recent report from a team of scientists found that nineteen major ecosystems - including seagrasses, woodlands, forests, mangroves and kelp forests - are all showing evidence of collapse. Regeneration is our only option. Ecosystems, like forests, are not just a large cluster of trees but are home to a dazzling array of interconnected relationships. By regenerating and restoring ecosystems, we are not only sequestering and storing carbon, reviving soils and repairing water cycles; we are importantly bringing back life - life which supports our own lives.

In the film, we say that Australia could start meaningfully regenerating its landscapes and protect its threatened species for around \$2 billion a year. This fact comes from a group at University of Melbourne and RMIT who state that at least \$3 billion a year would be needed for more widespread regeneration. This is an amount we could achieve with private and public finance.

Some of the solutions in this collective response that you may have seen in the film include:

- Seaweed regeneration
- Reforestation
- Restoring degraded lands

Learn more about [restoring and regenerative habitats](#) and the actions you can take



Regenerating Australia movie: “Solutions from the film” details from website

[back to the top](#)

DETAILS:

See **Create a regenerative & secure food future**

## SOLUTION 12: PROTECT PLANTS & ANIMALS



Despite being home to some of the most unique and magnificent nature in the world, Australia is one of the worst-performing developed countries for deforestation. Our broad scale deforestation practices are wiping out endangered forests and woodlands at a rate of an MCG-sized area every eighty-six seconds. This process is killing tens of millions of native animals (including threatened species) and we are now recognised as a global leader in wildlife extinctions. In the last two hundred years we have cleared nearly one-half of our forest cover; unfortunately, it is a similar story in other ecosystems like mangroves and kelp forests. Protecting these habitats is an urgent priority for addressing both climate change and species extinction.

Some of the solutions in this collective response that you may have seen in the film include:

- Native animal sanctuaries
- Ecological law
- Forest and marine protection

Learn more about [protecting plants and animals](#) and the actions you can take [back to the top](#)

### DETAILS:

<https://theregenerators.co/action-areas/heal-habitats/protect-plants-and-animals/>

### Protect plants and animals

This response looks at how we can implement new laws that protect ecology and introduce marine and land protection areas.

Our current economic system does not place much value on the living world. A living world that may be the only of its kind in the entire universe. The uncomfortable reality of how we acquire such a diversity of products is not factored into mainstream measurements or narratives. As a result, many of our spectacular plants and animals are being wiped from the face of the earth.

Why is this important?

The picture isn't pretty. We are currently facing around one million species going extinct by 2100.

Since 1970, our wildlife populations have fallen by a staggering 68 percent. This has largely come from deforestation making space for agriculture lands. Some tropical regions in Central and southern America have seen falls of 94 percent in that time.

How are others attempting to solve this?

There are many ways that people around the world are attempting to protect plants and animals. Below is a small sample. If you have any further examples that you think should be on this list, please [get in touch](#).

### **Ecological Law**

Ecological Law and Rights of Nature has taken off around the world in the last decade. There are now over 400 active cases underway. Rights of Nature grants legal personhood to ecosystems, with famous cases including the Whanganui River in NZ and the country of Ecuador.

Many argue that we grant legal personhood and rights to corporations, isn't it time to also grant them to the natural systems we depend on for survival? We may be hearing a lot more about 'Ecocide' in the future.

### **Marine Protected Areas**

Marine protected areas (MPAs) preserve glorious expanses of wilderness in the planet's oceans and coasts. They also regenerate degraded, over-fished and over-shelled areas. Scientists have concluded that if 30 percent of the planet's seas can be protected by 2030 – what is called the 30 by 30 approach – there will be more fish, carbon dioxide will be sequestered and oxygen levels for us will increase from phytoplankton - because one of every two breaths we take originates from our seas.

### **Native animals sanctuaries**

[Odonata](#) is a not-for-profit organisation in Australia that works with landholders to fence off areas of their properties, remove introduced predators, then re-introduce native animals and grasses. They have successfully introduced the critically endangered eastern barred bandicoot onto one Australian property with impressive results.

The bandicoots are natural soil engineers, and are working with carefully rotated sheep to produce premium grade wool products.

### **FEATURED STORIES:**

#### **The Odonata story**

12 minute watch

A story of how a species was saved and a landscape regenerated, while returning profits to farmers.

[Watch](#)

## **Building a map of the Earth's mycorrhizal fungal networks**

4 minute watch

What would a map of the planet's mycorrhizal fungal networks look like?

[Watch](#)

<https://theregenerators.co/stories/building-a-map-of-the-earths-mycorrhizal-fungal-networks/>

Building a map of the Earth's mycorrhizal fungal networks

What would a map of the planet's mycorrhizal fungal networks look like? In April 2022, SPUN launched a massive sampling effort together with the Fungi Foundation

[https://www.youtube.com/watch?v=ZGkFHHo-xGo&feature=emb\\_imp\\_woyt](https://www.youtube.com/watch?v=ZGkFHHo-xGo&feature=emb_imp_woyt)

Want to find out more?

This video relates to two action areas that are vital for regeneration. Find out what you can do to help.

1. [Healing habitats](#)
2. [Reviving soil](#)

### ACTIONS:

Donate to secure land for habitat regeneration and protection

<https://theregenerators.co/action-areas/heal-habitats/protect-plants-and-animals/donate-or-fundraise-to-secure-land-for-habitat-regeneration-protection/>

Donate to secure land for habitat regeneration & protection

There are some amazing organisations making it possible for anyone to contribute via donations - big or small - to the purchasing of land for protection and regeneration.

There are vast amounts of natural landscape in Australia that are in urgent need of protection from development, extractive practices and other harmful activities. Fortunately, there are some amazing organisations out there who are making it possible for anyone to contribute via donations - big or small - to the purchasing of land to secure it for conservation, Indigenous-led land management and regeneration.

The acreages chosen for purchase and reclamation have high biodiversity and conservation values and, once purchased, will remain as vital habitats and refuges for native wildlife and threatened species.

Odonata

Odonata is a not-for-profit supporting biodiversity impact solutions by creating, supporting, nurturing and empowering businesses and entrepreneurs to move towards a more environmentally sustainable world. Money donated to Odonata helps protect Australia's threatened species.

- [Donate to Odonata](#)

HalfCut

HalfCut is a peer to peer, social and environmental movement that engages all people to raise funds for forest regeneration and conservation. They aim to protect crucial forests for habitat for threatened and endangered species, protect Traditional Owners land titles, start mass tree planting projects and ultimately ensure a safe future for all species on Earth.

- [Donate](#) towards the purchase and protection of LOT 18 in the Daintree Lowland Rainforest - one of the oldest rainforests on Earth!

Every \$50 donated will help purchase twenty-five square meters of this . A donation of \$100 will help save fifty square meters of the Daintree Rainforest and \$200 will help save one hundred square meters.

The Nature Conservancy (TNC) - Australia

The Nature Conservancy is a global environmental nonprofit working to create a world where people and nature can thrive. TNC Australia focusses on conserving Australia's natural landscapes and crucial wildlife habitat.

- [Adopt-an-acre](#) - donate to support conservation on 250 acres of habitat for the Golden Bandicoot.

Bush Heritage Australia

Bush Heritage Australia [buys and manages land](#) for conservation, and also [partners with Aboriginal people](#), and the agricultural sector to achieve conservation outcomes. Your donations help fund critical revegetation projects, supporting fire-preparation and supporting feral animal management.

- [Donate to Bush Heritage Australia](#)

Donating or fundraising to secure land for habitat regeneration & protection is part of a larger collective response. Learn more and find other actions about [protecting plants and animals](#). Know of any other resources? [Get in touch](#).

Join local efforts for preserving plants and animals

<https://theregenerators.co/action-areas/heal-habitats/protect-plants-and-animals/join-local-efforts-for-preserving-plants-and-animals/>

Join local efforts for preserving plants and animals

Get involved locally by volunteering with your community or advocating for protections of your local native wildlife.

What better way is there to take action than by getting outdoors and working with others to help clean up, preserve and protect the wildlife, plants and natural places of your local area! Below are some suggested ways of getting involved locally by volunteering with your community or advocating for protections of your local native wildlife.

Find and protect threatened species closest to you

Conservation scientists and interaction designers have launched a web-based app that they hope will put Australia's "threatened species crisis" at the top of the election agenda.

- Enter your postcode into the [Threatened](#) website to find out about the threatened species in your electorate and take action to help them.

Become a Citizen Scientist with Birdlife



BirdLife Australia is proud to be the nation's largest bird conservation organisation.

- [Join a community](#) of dedicated volunteers that help monitor and collect important data on Australia's birds.
- [Register your interest to be a Birdlife volunteer](#)

Volunteer on conservation and restoration projects

- Conservation Volunteers Australia is a national organisation working with communities to re-balance nature for a stronger, more resilient future. [Explore and register](#) for volunteer opportunities today.

Join or start a local Landcare group

Landcare is a grassroots movement dedicated to managing environmental issues in local communities across Australia from coast to country.

- [Find or start](#) a Landcare group.
- [Find or start](#) a Junior Landcare group.

Volunteer with National Parks and Wildlife Services

Volunteer or Friends Groups are formed by community members who want to volunteer their time to work together to conserve and protect a specific bushland reserve, historical feature, roadside verge or waterway. They are typically managed by the local council or Shire or National Parks and Wildlife Services. Council can assist with training, provision of plants and seeds, tools and equipment.

- (VIC) Parks Victoria - explore a number of [volunteer programs](#) to assist in the conservation of a particular reserve or species of flora and fauna. You can also [find and volunteer with your local Friends Group](#).
- (NSW) National Parks and Wildlife Service - [explore volunteer opportunities](#).
- (WA) Parks and Wildlife Service - [explore volunteer projects](#) including scientific research, community education and maintenance of the State's fauna and flora.
- (TAS) Parks and Wildlife Service - [explore volunteer opportunities](#).

(SA) National Parks and Wildlife Services - [find your nearest Friends groups and volunteer opportunities](#), get involved in [Citizen Science](#) or join a [volunteer rangers group](#).

Wildlife Rescue Training and Volunteering

Find your local wildlife rescue organisation, join a training session or learn more about becoming a wildlife rescue volunteer. These organisations are often in need of Wildlife Rescue and Transport volunteers, foster carers and shelters.

Even if you don't do the training yourself, we suggest saving the contact number of your local wildlife rescue organisation on your phone. This way, if you ever come upon injured or sick wildlife needing assistance, you'll be ready to call it in.

Here is a list of some organisations to get you started, we suggest also doing your own research for your nearest wildlife rescue organisation.

- [Wildlife Victoria](#) and [Wildlife Rescuers](#) (VIC)
- [WIRES](#) (TAS)
- [WIRES](#) (NSW)
- [WA Wildlife](#) (WA)
- Volunteer with [Wildlife Rescue Queensland](#) (QLD)
- [Report sick or injured wildlife](#) (NT)



Joining local efforts for preserving plants and animals is part of a larger collective response. Learn more and find other actions about [\*\*protecting plants and animals.\*\*](#) Know of any other resources? [Get in touch.](#)

## SOLUTION 13: CULTIVATE A REGENERATIVE CULTURE



Humans are social animals. We look for cues from each other about how to behave and interact. We also tell stories, and these stories combine to make up what we call culture. Hence, the conversations we have, the messages we share on social media, the songs we write, the art we display, and the films we make have never been more important. We are the creators and carers of culture. If more of us (especially those with a high profile) are brave enough to talk about regeneration or climate action or Indigenous rights, and make it a social norm, the culture will then shift. And when the culture moves, the politics follow.

Some of the solutions in this collective response that you may have seen in the film include:

- Climate and sport
- Art and culture
- Ecological law
- Measuring our success

Learn more about [cultivating a regenerative culture](#) and the actions you can take [back to the top](#)

### **Cultivate a regenerative culture**

This response involves harnessing the power of stories, art, music and conversations to create change.

What better world could we create if we incentivised and funded stories of regeneration, meaningful stories about our cooperative nature as humans and stories about our

interconnected relationship with the living world. This response invites all of us to think about our own contribution to culture.

Why do we need to cultivate a regenerative culture?

Our mainstream culture is largely based on competition, division and extraction. It labels humans as predominantly selfish or greedy and it sees little to no value in the living world. It is a degenerative culture that seeks to addict, to take and commodify.

These traits are destroying our physical and mental health, destabilising our democracies, and have taken us to the brink of an unimaginable ecological crisis. As the US environmentalist and author, Paul Hawken says, “Degeneration steals the future, Regeneration heals the future.”

[Learn more](#)

<https://theregenerators.co/action-areas/share-new-stories/cultivate-a-regenerative-culture/>

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FEATURED STORIES:

**Telling new stories**

5 minute watch

Damon Gameau discusses the importance of storytelling to shape and shift culture

[Watch](#)

<https://theregenerators.co/stories/telling-better-stories/>

Telling new stories

Damon Gameau discusses the importance of storytelling to shape and shift culture.

[https://www.youtube.com/watch?t=14&v=7Yp41f-0Ris&feature=emb\\_imp\\_woyt](https://www.youtube.com/watch?t=14&v=7Yp41f-0Ris&feature=emb_imp_woyt)

## HOW ARE OTHERS APPROACHING THIS?

### **Role of art**

Art is where we can change the narrative, because it's where people can imagine what change looks and feels like. Jeff Chang, co-founder of Culture Strike, asks us to think of social change as a wave.

The breaking wave is the climax, like an election win, or policy change but we don't always recognise the undercurrents and conditions that lead us there. In the world of art and culture, many of us help construct the conditions that lead to this climax.

The artist Favianna Rodriguez says it best: "You may attend a rally or vote, but you also read books, listen to music, engage with visual art, turn on the radio and create your identity through culture.

Artists are central, not peripheral, to social change. To have the movements that make the wave, you need cultural workers."

### **High profile ambassadors**

Never before has content and opinion been able to reach as wide an audience in so short a time. This social media reach has great potency if used for regenerative means.

If more of our sports stars and celebrities promoted seaweed over sports drinks, Regeneration over Reeboks or climate change over relationship change – then we could rapidly increase education and engagement and start to shift the culture.

The algorithms and vast sums of money that now dominate the 'attention economy' may make this seem unlikely, but we humans are intensely social animals and if a large enough group of the world's most powerful and influential voices began to shift – then so too could the culture.

## ACTIONS:

Bring Regenerators into the classroom

<https://theregenerators.co/action-areas/share-new-stories/cultivate-a-regenerative-culture/be-inspired-by-regenerators-from-around-the-world/>

Bring regeneration into the classroom

Invite your students to explore regeneration and ignite their imagination around what a positive and regenerative future for Australia, and the world, could look like.

A cultural evolution that reconnects us to the living world is a crucial component of regeneration and is essential to reversing the multiple ecological crisis' we are facing. This cultural evolution can begin in our schools and in our families. How we talk to our children about nature will determine the value and meaning they place on it as they grow.

We have partnered with the curriculum experts at Cool Australia to build a package of free lessons that explore regeneration and invite them to ignite their imagination and dream up what a positive and regenerative future could look like.

“If your plan is for one year, plant rice. If your plan is for ten years, plant trees. If your plan is for 100 years, educate children.” – Confucius

### Regenerating Australia

The supporting curriculum for “Regenerating Australia” (17mins) is for Upper Primary and Secondary year levels and has been designed to empower and inspire students to dive deep into the key themes covered in the film. “Tuning into the film” guides for Years 5-10 are available and support students’ viewing of the film. The full package of lessons will be released later in March when on-site school screenings become available.

- **Access Regenerating Australia Education Resources** - mapped to the Australian curriculum.
- **[Host a free screening for your class or school](#)** - apply for an educational license to screen the film either virtually or on school campus. Schools will receive a digital copy of the film and are also invited to download a free School Action Toolkit.

### 2040

The Regenerating Australia education resources are further complemented by the [2040](#) package of lessons. These 30+ lesson plans are learning recipes for teachers that utilise short clips from the film 2040 to support classroom learning, providing step-by-step instructions, student workshops and engaging content. The film covers topics such as [marine permaculture](#), [energy](#), [agriculture](#), [transport](#) and [educating girls](#).

- **[2040 Education Resources](#)** - mapped to the Australian, New Zealand, UK, Irish, and American curriculums
- **[Share the film with your class](#)** - learn how to utilise the film as a learning tool or host on-site screenings for the school community (including fundraisers).

Bringing regeneration into the classroom is part of a larger collective response. Learn more and find other actions that **[cultivate a Regenerative Culture](#)**

Know of any other resources? [Get in touch](#).

Join and build regen networks

<https://theregenerators.co/action-areas/share-new-stories/cultivate-a-regenerative-culture/join-and-build-regen-networks/>

Join and build regen networks

Connect with individuals and organisations who are reimagining and realising a regenerative future for the places we live.

A cultural evolution is underway that asks us all to come together to re-imagine and realise a regenerative future for our communities and the places that we live.

Help build networks by joining or starting one in your region or city! There are also global communities you can join online, such as the Doughnut Economics Action Lab (DEAL) Community.

Local Regen Networks

- **[Regen Sydney](#)** is a network of organisations and individuals exploring a regenerative future for Sydney. Help to define what ‘Good’ looks like for Sydney and join the network or an upcoming event.

- [Regen Melbourne](#) is a network of individuals and organisations working together to create a safe, just and prosperous future for Melbourne. Join the online community, or as a member or a partner.
- [Regen Brisbane/Meeanjin](#) is a network of individuals and organisations working together to make Brisbane a regenerative city. Connect with the Regen Brisbane/Meeanjin community and join the upcoming online and in-person events.
- [Living Lightly Locally](#) is a free education and research program aimed at helping individuals, households and communities live more regeneratively, locally. The program is currently being delivered in Burnside and Mount Baker, South Australia. Interested in joining future cohorts? You can register your interest in joining the program [here](#).

#### Regenerative Songlines (Australia-wide)

Regenerative Songlines Australia is working to create a continent-wide network, that connects regenerative projects and practitioners, and which is led by First Nations peoples and inclusive of all Australians and focused on amplifying local and bioregional initiatives. It is also multidisciplinary and includes regenerative economies, societies, ecological stewardship and design practices.

- [Donate](#), [volunteer](#) or [register your project](#).

#### Doughnut Economics Action Lab (DEAL)

Doughnut Economics is a compass for human prosperity in the 21st century, with the aim of meeting the needs of all people within the means of the living planet. DEAL works with changemakers worldwide – in communities, education, cities, business and government and more – who are turning the ideas of Doughnut Economics into transformative action and aiming to create systemic change. The DEAL Community Platform is a great place to meet pioneering change-makers who are turning Doughnut Economics from a radical idea into transformative action.

- [Learn](#) about Doughnut Economics here
- [Join the DEAL community](#)
- [For cities and regions](#) - learn how to downscale the Doughnut to reimagine and remark the places you live.

#### WWF Innovate to Regenerate Challenge

Do you have an idea of a solution that could change Australia’s future? Join a Local Learning Lab or apply to the Innovate to Regenerate Challenge and join a network of communities across Australia who are working to Regenerate Australia.

In conjunction with the film’s release, WWF- Australia has launched an Innovate to Regenerate challenge, providing \$2 million in seed funding to help local communities, innovators and experts to ‘bring the film to life’ by establishing or ‘scaling up’ innovative solutions that reverse environmental damage and help humans live in harmony with nature.

- Ready to regenerate but don’t know where to start? [Register your interest](#) in joining one of the Innovate to Regenerate - Local Learning Labs.
- [Learn more about the challenge and apply](#).
- [Learn](#) about Doughnut Economics here
- [Join the DEAL community](#)
- [For cities and regions](#) - learn how to downscale the Doughnut to reimagine and remark the places you live.

Joining and building regen networks is part of a larger collective response.



## SOLUTION 14: BRING NATURE INTO OUR LIVING SPACES



To quote renowned author, Janine Benyus, “*When the forest and the city are functionally indistinguishable, then we know we have reached sustainability*”. Multiple studies now show the significant benefits to human beings when they are surrounded by nature. Given that most of us live in cities, would it not make more sense to bring more nature into such cities? By wilding and greening our suburbs, towns and cities, we will not only cool their temperatures, which will be crucial as climate change intensifies, but the fight-or-flight response in our brains will also be lowered: this will allow us all to better deal with the world.

Some of the solutions in this collective response that you may have seen in the film include:

- Wilding towns and cities
- Green spaces

Learn more about [bringing nature into our living spaces](#) and the actions you can take [back to the top](#)

### DETAILS:

#### Bring nature into our living spaces

This response looks at how increasing nature in urban spaces benefits human stress levels, reduces pollution and lowers temperatures.

#### Overview

In many parts of the world, doctors are now prescribing ‘time in nature’ to their patients. Being in nature lowers the fight or flight response in our brains and allows us to better deal with the world. Why then would we not bring. Why then wouldn’t we bring more nature into our living spaces? Studies from Vancouver, Baltimore and Chicago have shown that acts of crime or violence both diminish when greenery and trees are added to community streets.

Trees also remove nitrogen, sulphur and carbon dioxide; and an increase of just forty percent tree cover can cool temperatures in a town or city by up to 5 degrees C (9 degrees F).

Why do we need this response?

Apart from the obvious benefits to human stress levels and to city temperatures in an increasingly warmer climate, bringing nature into our living spaces also reconnects us, and our children, to nature. Distance from nature can breed apathy towards environmental concerns at a time when we can least afford apathy. People who do not know simply do not care. Having children involved in the wilding of our towns and cities, naming and connecting with various plant and animals, will be a crucial aspect of regeneration.

Like all collective responses, navigating the existing policies and structures will be difficult and important work. Some regions and municipalities of the world are more amenable to incorporating nature than others.

How are others attempting to bring nature into their living spaces?

There are many ways in which people around the world are attempting to find solutions to this concept. Below is a small sample. If you have any further examples that you think should be on this list, please [get in touch](#).

### **Forest City**

The Italian architect, Stefano Boeri, is creating the world’s first urban forest city in Guangxi, China. The city has been moulded to imitate the surrounding mountain landscape. It will house thirty thousand residents, forty thousand trees and a million plants. It will absorb ten thousand tons of carbon dioxide every year and will be connected to nearby towns via efficient railway and roads reserved exclusively for electric vehicles.

### **Sponge cities**

In response to the destructive floodwaters that have overwhelmed drains and swept through many of China’s cities in recent times, the ‘sponge city’ has emerged. These are cities with green, natural spaces where rain and floodwater can be absorbed, including rooftop gardens, restored wetlands, lakes, and new parks. Porous materials are used in sidewalks and streets and captured water is stored in underground tanks where it is available for use. By 2030 China plans to have 80% of its cities be ‘sponge cities’, absorbing two-thirds of the rainwater that falls on them.

### **Carbon architecture**

Carbon architecture is a design movement that replaces the raw materials used in building construction with bio-based materials that can sequester carbon. Instead of building with rocks (steel and cement), it makes buildings out of fibre. The raw materials used in carbon architecture are primarily wood, dirt (clay), bamboo, straw and hemp, all engineered to compete with steel, cement, brick, and stone in durability, fire resistance, and structural strength. Currently, the world’s tallest timber building is found in Vienna, Austria and stands at twenty-four-storeys high.

### **Urban forests**

In Europe, India and other countries, micro forests of diverse, native species are springing up in urban areas and even on abandoned tennis courts. These small pockets of wilderness are bringing back life, including pollinators, to otherwise degraded areas of the community. The mayor of London, Sadiq Khan, wants to make half the city green by 2050. He plans to do this by creating 4 inner city urban forests and by making London the world first National Park city.

## Urban farming

Vacant lots, car parks, rooftops, parks, median strips, warehouses - all are capable of growing nutritious food gardens for urban communities. These gardens also spring to life with birds, butterflies, bees and other pollinators connecting people and children to nature in urban settings. While all cities have different available space, a recent study in Cleveland, Ohio showed that if 80% of its vacant lots were converted to vegetable plots, and chickens and bees were added, the city would be supplied with half its fresh produce, 25% of its poultry and eggs and all of its honey. If rooftops were added, all of its fresh produce needs could be met.

## ACTIONS:

Invest in projects that support biodiversity in urban areas

<https://theregenerators.co/action-areas/wild-the-built-environment/bring-nature-into-our-living-spaces/invest-in-projects-that-support-biodiverse-towns-and-cities/>

Invest in projects that support biodiversity in urban areas

Human activities are reducing vegetation and canopy cover in cities, resulting in habitat fragmentation, species extinction, biodiversity loss and rising temperatures. Now, more than ever, we need to create space for nature in our built environments.

Furthermore, estimates suggest that urban populations will expand globally by 2.4 billion people in the coming decades - a rate equivalent equivalent to building a new London every seven weeks!

Now, more than ever, we need to create space for nature in our built environments and integrate greenery and life back into our cities.

The good news? Planning for urban nature at scale presents an incredible opportunity for urban areas to help improve local biodiversity outcomes, connect habitats and provide important refuge for plants and animals, and, ultimately, make our towns and cities more liveable, resilient and regenerative!

See below examples of opportunities to invest in projects that support urban biodiversity:

Earthwatch - Tiny Forests initiative

Earthwatch is a global environmental charity aiming to create a society that lives in balance with nature by empowering people to save the natural world. Earthwatch Australia is partnering with researchers and social enterprises across Australia to deliver **tiny forests** - an accelerated and intensive planting process to bring biodiversity back into our cities. Tiny forests are densely packed native plantings, approximately the size of a tennis court. They focus on indigenous, dense plantation to accelerate forest growth - connecting homes and public green spaces, cooling our cities, and forming an oasis for all wildlife and our own well-being.

- [Contact Earthwatch Australia to register your interest in investing in Tiny Forests!](#)

*Property developers interested in including a tiny forest in their projects are also encouraged to express their interest.*

Investing in projects that support biodiversity in towns and cities is part of a larger collective response. Learn more and find other actions about [bringing nature into our living spaces.](#)

Know of any other resources? [Get in touch.](#)

Donate or fundraise to support greening our cities

<https://theregenerators.co/action-areas/wild-the-built-environment/bring-nature-into-our-living-spaces/donate-or-fundraise-to-support-greening-our-cities/>

Donate or fundraise to support greening our cities

Help green and cool our cities with financial support.

With about 70% of the world’s population predicted to live in cities by 2050, there is an urgent need to integrate nature back into our urban environments and ensure that our cities become more liveable and regenerative.

Multiple studies have shown that trees in cities have a huge impact on our health and wellbeing and can even lead to lower crime rates. There is a lot of exciting work being done in this space and donating or fundraising is a great way to start supporting these projects today. Re-greening our cities also means cooler temperatures, increased biodiversity, and more open spaces for recreation.

Below you will find some organisations you can support to green our cities and initiatives you can get involved with to learn more about scaling this solution.

Here are a few options you can choose from:

- [International](#)
- [Australia](#)
- [US](#)
- [UK](#)
- [Holland](#)

### **International**

#### **United Nations Economic Commission for Europe (UNECE)**

The “[Trees in Cities Challenge](#)” invites mayors and local governments worldwide to make a tree-planting pledge and set objectives for making their cities greener, resilient and more sustainable.

- [Learn](#) what’s happening in other cities around the world.

### **EarthWatch**

EarthWatch is a global environmental charity aiming to create a society that lives in balance with nature by empowering people to save the natural world.

- [Donate or fundraise](#) to help accelerate the creation of urban forests.

### **Australia**

#### **Greening Australia**

Greening Australia’s ‘Nature in Cities’ program is working with communities, businesses and government to create restored, reconnected and resilient urban habitats across Australia.

- [Donate to Greening Australia](#)
- [Make a donation from your business](#)

#### **The Nature Conservancy (TNC) Australia**

The Nature Conservancy is a global environmental non-profit non-government organisation working to create a world where people and nature can thrive.

- [Donate to TNC’s mission and learn about the benefits of urban trees](#)



- [Living Melbourne: Greenprinting a metropolis](#) - learn about Australia’s first Urban Forest Strategy

## US

### American Forests

American Forests create healthy and resilient forests, from cities to large natural landscapes, that deliver essential benefits for climate, people, water and wildlife.

- [Donate or fundraise](#) to help accelerate the creation of urban forests.
- Explore the [Vibrant Cities Lab](#) and find research, guides, toolkits and other resources — all related to urban forestry.
- [Donate now](#) by becoming a member today - every gift helps American Forests restore forests in cities and large landscapes.
- Support through [Workplace Giving](#) and Employer Matching.
- [Learn](#) about creating tree equity in every city

## UK

### Trees for Cities (UK and Global)

Tree for Cities are working at a national and international scale to improve lives by planting trees in cities. They do this by working with local communities to cultivate lasting change in their neighbourhoods by revitalising forgotten spaces, creating healthier environments or getting people excited about growing, foraging and eating healthy food.

- Join a marathon and fundraise for more trees in cities by joining a marathon, find your nearest [Challenge Event](#) here.
- [Run your own virtual event](#) for the urban trees around your local area
- [Fundraise](#) by running for the trees,
- [Donate](#) - £6 will plant 1 tree in an urban woodland
- [Send a personalised donation certificate](#) to someone for a special occasion.

### The Woodland Trust (UK)

The Woodland Trust is the UK's largest woodland conservation charity with a vision to make the UK rich in woods and trees.

- [Fundraise](#) as an individual, a group, at your workplace, or raise money for a woodland dedication.
- [Make a donation](#) - your support protects and creates new woodland for the wildlife that depends on it.

### IVN natuur educatie

IVN Nature Education brings nature closer to young and old people by making learning and participation opportunities available throughout the country.

- Learn about [Nature in the Neighbourhood](#) and all the ways you can help turn your neighbourhood green
- Support by [becoming a member](#) or by [donating](#)

Donating or fundraising to support greening our cities is part of a larger collective response.

Learn more and find other actions about [bringing nature into our living spaces](#).

Know of any other resources? [Get in touch](#).

Make your garden regenerative and wildlife friendly

<https://theregenerators.co/action-areas/wild-the-built-environment/bring-nature-into-our-living-spaces/make-your-garden-wildlife-friendly/>

Make your garden regenerative and wildlife friendly

If you have a garden or outdoor space (however big or small), you can use some of these tips to regenerate and cultivate a sanctuary for the native wildlife in your local area.

Here are some resources and ways to start regenerating at home today!

Start planting a carbon sequestering veggie patch

Some perennial herbs and veggies are great for soil health and also absorb carbon from the atmosphere. They can even help balance out your carbon footprint.

- [\*\*Carbon Farming in Your Own Backyard\*\*](#) - download this free getting started guide which contains sample pages from [\*\*2040: A Handbook for the Regeneration\*\*](#) by Damon Gameau.

Make your garden wildlife friendly

- [\*\*5 Ways to Create a Wildlife Friendly Garden\*\*](#) - the Nature Conservancy offers some top tips for growing a native Australian, urban garden and making your garden friendly to the local fauna.

Create ‘wildlife habitats’ at home

Backyard Buddies is a national environmental education initiative and community engagement program.

- [\*\*Check out these Home DIY projects\*\*](#) that will show you how to build a bee hotel, a butterfly box, a frog pond, a ladybird house, a nest box, and so on...

Learn about urban beekeeping

Look up who your local urban bee-keepers are and find a course or workshop near you! Here are some organisations and books to get you started:

- [\*\*Backyard Bees: A complete guide for the beginner beekeeper or bee enthusiast\*\*](#) by Doug Purdie
- [\*\*The Bee Friendly Garden\*\*](#) by Doug Purdie
- [\*\*The Urban Beehive - Beginners Course\*\*](#) (Sydney)
- [\*\*Rooftop Honey - Mentoring Sessions\*\*](#) (Melbourne)

Grow mushrooms with Little Acre

Buy a DIY kit or take an online course to grow mushrooms at home. You don’t need a lot of space or even soil or sunlight!

- [\*\*Do Little Acre’s online mushroom growing workshop\*\*](#) - presented by full-time farmers and mushroom cultivation experts Mickey and Amy, this comprehensive workshop is jam-packed full with everything you need to know to grow your own delicious gourmet mushrooms at home.

Learn with the Gangster Gardener

- [\*\*MasterClass: Ron Finley teaches gardening\*\*](#) - community activist and self-taught gardener Ron Finley teaches how to garden in (literally!) any space, nurture your plants, and grow your own food. As Ron says, “Growing your own food is like printing your own money.”

Take a regenerative gardening course

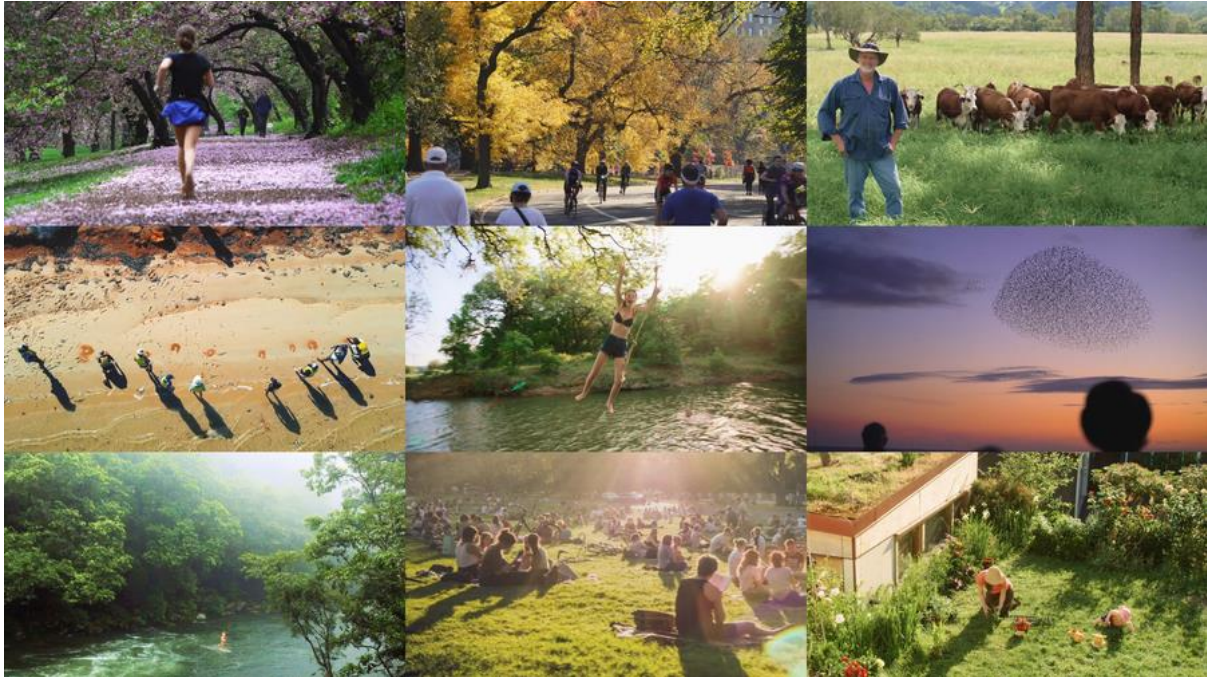


Kiss the Ground offers regenerative farming courses. Kiss the Ground’s mission is to awaken people to the possibilities of regeneration and inspire participation in this movement through media, communications, education, workshops, immersive programming, and advocacy.

- [\*\*Kiss the Ground’s Introduction to Regenerative Gardening\*\*](#) - designed with all levels in mind, the course is a beginner’s gardening journey to learn the basic skills, tools, practices, and knowledge required to grow in any space, container, or climate.
- [\*\*Advanced Regenerative Gardening\*\*](#) - this course will build on fundamental gardening knowledge by connecting in-depth understandings of life cycles, plant nutrients, soil importance, troubleshooting, and land ethics all while practising new skills for impactful gardening.

Making your garden regenerative and wildlife friendly is part of a larger collective response. Learn more and find other actions about bringing [nature into our living spaces](#). Know of any other resources? [Get in touch](#).

## SOLUTION 15: Heal our relationships to self & others



In ‘Regenerating Australia’, Indigenous writer and fire ecology educator, Victor Steffensen, states, “*The regeneration of Country cannot happen without the regeneration of people*”. This is a profound statement. Our journey to regeneration will only come with the love and acceptance of ourselves and the love and acceptance of others. We all have pain and trauma, some more than others, but the regenerative changes we want to see in the world can only happen when we take responsibility for our own trauma and emotions. There are difficult and complex conversations that we need to have and we need to create the spaces to hold those conversations. Our current mainstream social platforms are woefully inadequate to deal with the complexity of the issues we face. There is pain, trauma and loss that we will all have to confront and feel, but this is a healthy and essential part of the regenerative process.

Some of the solutions in this collective response that you may have seen in the film include:

- Group work
- Meditations
- Community building

Learn more about [healing our relationships to self and others](https://theregenerators.co/action-areas/regenerate-self-our-communities/heal-our-relationships-to-self-others/) and the actions you can take

### DETAILS:

<https://theregenerators.co/action-areas/regenerate-self-our-communities/heal-our-relationships-to-self-others/>

Heal our relationship to self and others

If there was one response that towered above others in its ability to usher in meaningful, regenerative change – it is this one.

When we are at peace with ourselves, we cannot help but be at more peace with others. This response invites us to explore the tools and techniques that allow us to breathe deeper, to slow down, to laugh, to dance, to listen not to the angry words of others - but to the unmet human need that is pleading beneath those words. It is an invitation to cultivate empathy and compassion for self, for others, and for the living world. From this place, we would achieve Regeneration in one generation.

Why is this important?

We are deeply immersed in a culture that favours and incentivises extrinsic values. Quick bursts of dopamine can be found everywhere from cans of soft drink, to pornographic websites, to social media likes. Limbic capitalism, pervasive advertising and celebrity hijacks our subconscious with feelings of inadequacy and a sense of not being enough or not having enough. This emptiness, or void, also comes from a host of other unmet emotional needs, and is driving addiction, fragile mental health and rampant consumerism or accumulation of wealth.

Meanwhile, our intrinsic values of care, empathy and kindness – traits for which we have a biological predisposition - get very little attention or market reward. The Greek philosopher, Aristotle, outlined two forms of happiness, one was fleeting and came from pleasurable stimuli – Hedonia (hedonism). The other came from a deeper place, from meaning, from fulfilling one’s true nature and flourishing – Eudaimonia. Incentivising Eudaimonia over Hedonism will be essential for true regeneration.

Some of these solutions are featured in our short film - [Regenerate Australia](#). Find out where you can [see the film](#).

Regenerative actions for you to implement

We believe every one of us has a role to play in Regeneration. If you are interested in self regeneration, here are some actions we have identified for you to implement into your life.

### ACTIONS:

Protect your wellbeing when engaged in advocacy for regenerative justice

<https://theregenerators.co/action-areas/regenerate-self-our-communities/heal-our-relationships-to-self-others/protect-your-health-and-wellbeing-when-engaged-in-advocacy-for-social-and-ecological-justice/>

Protect your well-being when engaged in advocacy for regenerative justice

While we plan, mobilise and listen in order to regenerate our planet and its future, we must also listen inwardly: what do our own bodies and minds need in order to care for and regenerate ourselves?

While we plan, mobilise and listen in order to regenerate our planet and its future, we must also listen inwardly: what do our own bodies and minds need in order to care for and regenerate ourselves? The emotional, physical and mental labours of advocating for social and climate justice can take their toll. Family, friends and loved ones are necessary supports for when we’re carrying heavy loads. But protecting our own health and wellbeing can also involve reaching out to systems and groups which will remind us that our own regeneration is necessary.

### Plan To Thrive

Plan to Thrive supports and encourages the health and well-being of people and groups engaged in working for social and ecological justice.

- [Access resources](#) - a range of online resources for activist wellbeing.

### The Commons Library

The Commons Social Change Library is an online collection of educational resources on campaign strategy, community organising, digital campaigning, inclusivity and diversity.

- [Learn about activist support](#) - the ways in which you can support yourself and others as activists.
- [Access well-being resources](#) - articles and tips in order to foster health and wellbeing while enacting social or environmental change.

### Amnesty International

Amnesty is a global organisation using research and campaigning to fight human rights abuses.

- [Activist self care](#) - an online resource for self-care and well-being for activists.
- [Sustainable activism](#) - a guide to sustainable activism featuring a self-care plan.

### Headspace

The national youth mental health foundation, headspace provides support, assistance and services to young people across Australia.

- [Join an online chat](#) and receive support.
- [Find a centre](#) - visit a headspace centre near you in person.
- [Access online and phone support](#) - create an account to access help.
- [Work and study](#) - access support for education or employment related issues.
- [For professionals and educators](#) - support for those in the workforce, education system, or employers of young people.

### Visible

Visible are the Australian Youth Advocates for Mental Health (AYAMH) who have co-designed a national initiative to help improve the mental health and well-being of young people.

- [Access resources](#)
- [Expression gallery](#) - view the expressions of the mental health advocates and their artistic representations of their journeys.

Know of any other groups or resources? [Get in touch.](#)

Protecting your health and wellbeing when engaged in advocacy for social and ecological justice is part of a larger collective response. Click here to read more.

Learn about how to transform your climate grief into regenerative action

<https://theregenerators.co/action-areas/regenerate-self-our-communities/heal-our-relationships-to-self-others/learn-about-how-to-transform-your-climate-grief-into-regenerative-action/>

Learn about how to transform your climate grief into regenerative action

The weight of climate grief can stick to us as heavily as any other form of loss, anxiety or depression. Transforming this grief into action takes strength and perspective - and sometimes help.

The sadness and helplessness many feel, due to the immense forces of ecological destruction and climate change, are often immobilising, leaving us questioning how mourning a planet’s past can be turned into building a planet’s future. Transforming this grief into action takes strength and perspective - and sometimes help:

#### Australian Parents for Climate Action

Australian Parents for Climate Action engages, organises and empowers parents, carers, and families to advocate for a safe climate for our children’s future.

- [Transforming grief Q+A](#) - watch an expert panel discuss the transformation of climate grief.
- [Act](#) - ways you can get involved with AP4CA.
- [Join](#) - join AP4CA to help the cause.

#### The Commons Library

The Commons Social Change Library is an online collection of educational resources on campaign strategy, community organising, digital campaigning, inclusivity and diversity.

- [Climate grief resources](#) - access articles, podcasts, books and networks to help deal with and transform climate grief.

#### Psychology for a Safe Climate

Psychology for a Safe Climate fosters emotional engagement with climate change by providing support and engaging with those working on climate change, within caring professions, and the broader community.

- [Listen to podcasts](#) - a collection of podcasts dealing with climate grief, burn-out and resilience in the context of climate change.

#### Climate and Mind

Climate and Mind explores the relationship between climate disruption, human behaviour and the human experience.

- [Climate grief rundown](#) - information on what climate grief is, and ways we can deal with it.

Know of any other groups or resources? [Get in touch.](#)

Learning about how to transform your climate grief into regenerative action is part of a larger collective response. [Click here to read more.](#)

Learn about the impacts up intergenerational trauma

<https://theregenerators.co/action-areas/regenerate-self-our-communities/heal-our-relationships-to-self-others/learn-about-the-impacts-of-intergenerational-trauma/>

Learn about the impacts of intergenerational trauma

The intergenerational trauma that First Nations people experience as a result of colonisation, loss of land and culture, and crucially, the forced removal of family, is ongoing, complex and extensive.



Distress and grief from the discrimination and actions of the past is passed down from generation to generation, leading to many people being trapped in a cycle of trauma - especially those who experienced or have family who survived the Stolen Generation. Non-Indigenous people must listen to First Nations voices and stories, engaging with the actions of our past and internalising our true shared history. Learning about the impacts and causes are small steps we can take towards helping heal the many wounds of the past. Healing Foundation

The Healing Foundation is an Indigenous organisation that partners with communities to address ongoing trauma from past discriminations, supporting survivors of the Stolen Generation and offering avenues for healing.

- [What is intergenerational trauma](#) - learn about the causes and outcomes.
- [Watch video](#) - watch Healing Foundation’s animation on Intergenerational Trauma.
- [Make Healing Happen plan](#) - read Healing Foundation’s plan to achieve healing for Stolen Generation survivors and their families and communities.
- [Healing Our Way podcast](#) - listen to the podcast exploring intergenerational trauma, racism and healing.
- [Our Healing, Our Future webinar](#) - watch webinar about healing for young Aboriginal people and Torres Strait Islanders.
- [Stolen Generation fact sheet](#) - summary of the AIHW report on the disadvantage for the Stolen Generation and their descendants.

Australian Institute of Health and Welfare

A government agency aiming to improve health and well-being of Australians by producing information and statistics to inform and support better policy and service delivery decisions.

- [Read the report](#) - includes key findings and outcomes on a study on its Stolen Generation and their descendants, examining the effects of forced removal and subsequent trauma.

Australians Together

Australians Together is a group of people that work together to listen to First Nations voices and enable non-Indigenous people to learn about our true shared story and history and its impact today.

- [Learn about what intergenerational trauma is](#) - including personal stories of some of the people who have been affected.

Victim Support Service

Victim Support Service helps adult victims of institutional childhood abuse in South Australia through offering trauma-informed therapeutic and practical services.

- [Read about the impacts of intergenerational trauma](#) - for survivors and families of the Stolen Generation.

Know of any other groups or resources? [Get in touch.](#)

Learning about the impacts of intergenerational trauma is part of a larger collective response. [Click here to read more.](#)