



## Householders' Options to Protect the Environment Inc.

PO Box 6118 – Clifford Gardens, TOOWOOMBA QLD 435

(22 Vacy Street, Toowoomba QLD 4350)

Ph 07 4639 2135; Email: [office@hopeaustralia.org.au](mailto:office@hopeaustralia.org.au)

Website: [www.hopeaustralia.org.au](http://www.hopeaustralia.org.au)

Facebook: [www.facebook.com/Householders.Options.to.Protect.the.Environment](https://www.facebook.com/Householders.Options.to.Protect.the.Environment)

ABN 48 036 173 161

### HOPE E-news Bulletin 2024 #09 --- September 2024

The following items have been gathered from various e: newsletters received by HOPE in recent times; and/or prepared specifically by HOPE members and supporters. If you have any news to contribute, please forward to [office@hopeaustralia.org.au](mailto:office@hopeaustralia.org.au) . Deadline for articles is 15<sup>th</sup> day of the month.

#### Editorial

Welcome to the September issue of the newsletter! Various topics are covered in this edition. Firstly, we learn about the "Blueprint to Restore Australian Landscapes" released by the Wentworth Group of Concerned Scientists. Internationally, we find out about a transformative approach to tackling ecological collapse and social well-being, Inspiring Transition and the International Coral Reef Society's "coral reef restoration strategy". Also internationally, there is Prevent Waste Alliance for the promotion of a circular economy. And lastly, the Sunrise Project, a global network of organizations and individuals working to accelerate the transition away from fossil fuels and toward renewable energy.

Kind regards,

Nina Stick, Newsletter Editor – HOPE Inc.

---

#### 2024 Environmental Observances

##### September

- 1-30 [Biodiversity Month | Department of Climate, Energy, the Environment and Water](#)
- 1 [National Wattle Day | Department of Climate, Energy, the Environment and Water](#)
- 7 [National Threatened Species Day | Department of Climate, Energy, the Environment and Water](#)
- 14 **HOPE quarterly Ordinary Meeting**
- 16 [International Day for the Preservation of the Ozone Layer | United Nations](#)
- 21 [International Day of Peace | United Nations](#)
- 26 [World Maritime Day | United Nations](#)
- 26 [International Day for the Total Elimination of Nuclear Weapons | United Nations](#)
- 29 [Food Loss and Waste Reduction | United Nations](#)

##### October

- 2 [World Habitat Day](#)
- 4-10 [World Space Week](#)
- 12 [World Migratory Bird Day](#)
- 16 [World Food Day](#)

---

#### Your financial support is sought! – <https://www.hopeaustralia.org.au/donations/>

We invite members and supporters to consider making an annual financial contribution to help cover our operating costs of approximately \$20,500 p.a.

Currently, our income is derived from project grants, fund-raising, corporate sponsorship and donations, but falls well short of our requirements.

Your financial support, by way of an annual pledge or donation, will considerably help us to achieve better financial viability.

Of course, if you 'cash in your containers', why not donate those monies to **HOPE Inc** | Member number: C11107170.

**Please help us to continue our efforts in advocating for responsible stewardship of the environment and supports adopting sustainable long-term solutions to the manifold environmental problems facing humanity.**

---

## Feature article

### Blueprint to Restore Australian Landscapes – A report by the Wentworth Group of Concerned Scientists

Review by Georgy Hadwen, HOPE researcher Qld

---



---

The Wentworth Group of Concerned Scientists has released a comprehensive "Blueprint to Restore Australian Landscapes," consisting of three detailed reports. (see appendix)

#### Background

The Wentworth Group of Concerned Scientists is an independent group comprising leading Australian scientists, economists and business people.

This blueprint aims to address the degradation of Australia's landscapes through a structured 30 year action plan, involving both public and private investments.

#### Overview of the Wentworth Group's Blueprint Reports



(see 1)

The Wentworth Group of Concerned Scientists has published a series of reports titled "Blueprint to Restore Australian Landscapes." These reports provide a detailed plan to address the degradation of Australia's environments over the next 30 years through strategic investments and actions. Here's a comprehensive summary of each report, explained for a non-expert audience:

#### Synthesis Report

**Objective:** This report makes the case for why Australia needs a 30 year investment plan to create a healthy, productive, and resilient landscape.

#### Key Points:

- ⇒ Urgency: Highlights the pressing need to address environmental degradation due to climate change, population growth, and historical land use.
- ⇒ Economic Benefits: Emphasises that environmental repair can go hand in hand with boosting sustainable economic productivity, especially in agriculture and regional areas.
- ⇒ Climate Resilience: Points out how the proposed actions will help Australia meet its biodiversity and climate goals, making ecosystems more resilient to extreme weather events.

The report effectively communicates that restoring Australia's landscapes is not just an environmental necessity but also a practical and economically beneficial priority.

## Technical Review



**Objective:** This document details specific objectives for repairing key landscape constituents such as soils, inland waters, native vegetation, threatened species, and coastal environments.

### **Key Points:**

⇒ Detailed Actions:

Lists 24 specific actions, including improving soil productivity with lime and gypsum, remediating high-risk gullies, restoring native vegetation, and addressing threats to endangered species.

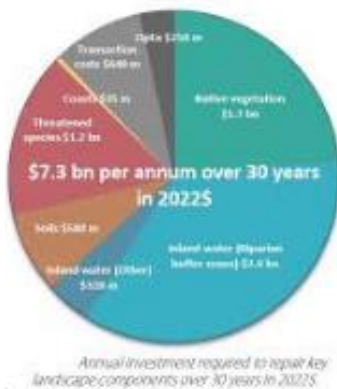
⇒ Cost Estimates:

Breaks down the annual investment needed, which totals approximately \$7.3 billion per year from 2025 to 2054. This includes costs for soil repair, river system restoration, ecosystem recovery, and species protection.

⇒ Benefits:

Discusses the multifaceted benefits of these investments, such as enhanced agricultural productivity, improved water quality, and increased carbon sequestration.

The Technical Review provides a clear roadmap of what needs to be done, where, and how much it will cost, reinforcing the feasibility and necessity of the proposed actions as laid out in their Investment Spreadsheet



## **Investment Spreadsheet**

**Objective:** This spreadsheet contains the data and algorithms that form the basis for the investment estimates provided in the Technical Review.

### **Key Points:**

⇒ Transparency:

The spreadsheet is available under a Creative Commons Open Access license, ensuring transparency and allowing for public scrutiny and use.

⇒ Data Driven:

It includes detailed financial data and calculations supporting the proposed investments, ensuring the estimates are robust and well founded.

<https://carbon-pulse.com/306946/>

This analysis ensures that the financial planning behind the blueprint is transparent and accessible, fostering trust and enabling further research and validation by other stakeholders.

## Detailed Explanation of Each Report

### Synthesis Report

The Synthesis Report serves as a high-level overview, making a compelling case for the necessity and benefits of long-term investment in environmental repair. It addresses the critical issues of climate change, population growth, and historical land degradation, arguing that these investments will not only protect the environment but also boost economic productivity, particularly in agriculture and regional economies. The report underscores the interdependence between a healthy environment and a productive economy, proposing that the actions will help Australia meet its biodiversity and climate objectives, making ecosystems more resilient to extreme events.

### Technical Review

The Technical Review dives deeper into the specifics, identifying the key components of the landscape that require attention: soils, inland waters, native vegetation, threatened species, and coastal environments. It outlines 24 practical actions needed to repair these components, such as applying lime and gypsum to soils to enhance productivity, restoring vegetation along waterways, and addressing the threats to endangered species. The review provides a detailed cost breakdown, estimating an annual investment of \$7.3 billion from 2025 to 2054. This includes significant funds allocated to soil repair, river restoration, ecosystem recovery, and species protection, with additional costs for transaction and maintenance

### Investment Spreadsheet

The Investment Spreadsheet offers a detailed financial foundation for the blueprint. It contains data and algorithms that underpin the investment estimates, ensuring the proposed costs are well supported and transparent. By making this spreadsheet available under a Creative Commons Open Access license, the Wentworth Group ensures that the financial planning process is open to public scrutiny and use. This openness promotes trust and allows other researchers and policymakers to validate and build upon the proposed investment framework

### Indigenous Involvement

A crucial aspect of the blueprint is the emphasis on involving Aboriginal and Torres Strait Islander peoples in landscape management. The reports propose increasing Indigenous ownership and management of land and water, recognizing the value of traditional knowledge, and expanding employment programs for Indigenous rangers. This inclusion not only respects the cultural connections of Indigenous Australians to their land but also leverages their deep ecological knowledge for effective environmental repair.

### Conclusion



<https://neslandscapes.edu.au/projects/nesp-rlh/restoring-and-recovering/>

Wentworth claim that this blueprint is the most comprehensive assessment of its kind in Australia. With best available science and expert advice, we identified 24 actions worth \$7.3 billion per annum (in 2022\$) over 30 years, or 0.3% of GDP, which could repair much of the past two centuries of degradation.

The Wentworth Group's blueprint provides a comprehensive and actionable plan to restore Australia's

landscapes. While ambitious, its success relies on:

- ⇒ addressing practical challenges,
- ⇒ securing sustained funding, and
- ⇒ effectively engaging diverse stakeholders, including Indigenous communities.

Furthermore, to achieve sustained change, such groups should have a place at the table at government level as expert witnesses. If we as a society are to achieve meaningful change it demands:

1. Behaviour change with a willingness to accept adjustments to living standards

*'Policy, law and governance reforms are needed to ensure the repair effort is not undermined by further, preventable degradation of Australia's landscapes'* (pg. 6).

2. Government policy that is long term
3. A move away from growth and productivity mantras
4. Better investment in sustainable industries that support landscape recovery
5. Grass roots activism to move from reliance on profit at the expense of value and worth
6. That belief will achieve.

### Appendix

For more detailed information the full reports are posted on the Wentworth Group's website]

1 - <https://wentworthgroup.org>)

---

## National article

### A Platform for Environmental and Social Organisations to Maximise Impact

Written by Alex White, HOPE researcher Qld



Andrew Gaines, a member of the Executive Team at Stable Planet Alliance and founder of Inspiring Transition, envisions a transformative approach to tackling ecological collapse and social well-being. He advocates for a unified strategy to mobilise public will to change our destructive system. He believes the key to systemic change lies in inspiring individuals to become citizen communicators, thereby fostering a widespread alignment in common goals. By leveraging the collective power of established groups dedicated to environmental and social well-being, Inspiring Transition aims to amplify their effectiveness by providing tools for facilitating effective communication that ultimately drives change. As the saying goes "**Individually, we are one drop. Together, we are an ocean.**" - Ryunosuke Satoro

Driven by an understanding that people's behaviour is rooted in their perception of the world, Inspiring Transition was created by Gaines as a platform to bridge the gap between awareness and action. The underlying idea is that if enough individuals are able to *truly* grasp the gravity of our environmental situation through compassionate education and conversations, we, as a society, will commit ourselves to changing our destructive system.



Inspiring Transition does not operate as your typical centralised organisation. Instead, it supports autonomous individuals, as well as those already involved in a social or environmental organisation(s). Founded on 3 key ideas, Inspiring Transition aims to catalyse commitments to transformational change by:

#### 1. Helping people think better

Inspiring Transition aims to empower individuals to understand and communicate to others the crucial systemic changes needed to improve ecological health. Innovative tools such as Gaines' own Kitchen Table Conversations (KTC) can be used to facilitate such conversations. KTC uses beer coasters to help people keep track of thoughtful conversations about systemic change, with each coaster labelled with a concept most of us are aware of and understand in isolation. However, each concept also plays a pivotal role in rewiring top-down societies and global environmental degradation.

#### 2. Inspiring members of groups to act as citizen-communicators

The plethora of initiatives, organisations and actions one can take in a bid to combat environmental decline can often feel overwhelming. Could there be an opportunity to maximise impact and cohesion of these valuable organisations to further promote sustainable outcomes? Inspiring Transition aims to provide a cohesive framework for the coordination of like-minded initiatives. The platform supports citizen-communicators in educating society on the systemic changes necessary for sustainability and our prosperity as a species. The idea is to inspire members of the countless environmental and social organisations throughout our communities to act as citizen communicators. Inspiring Transition equips its advocates with purpose-built communication tools to facilitate crucial conversations. The initiative also encourages outreach to engage leaders who can drive policy changes. It provides free materials to get started.

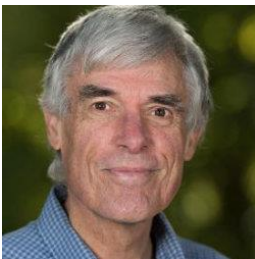
### 3. Encouraging and supporting Responsible leadership

Designed with thought leaders and citizen-communicators in mind, a mainstream commitment to a compassionate and ecologically sustainable world is the endgame. For Gaines, the true measure of success will be a world where preserving the planet and fostering social well-being are at the forefront of every major decision. Gaines acknowledges there are often significant doubts surrounding the achievement of a compassionate and ecologically sustainable earth, but he is resolute in his belief that nothing less will suffice.

Discussions around these informal yet powerful topics get individuals mentally and emotionally comfortable with having conversations around the often hard-to-discuss aspects that typically surround environmental reform. Gaines emphasises that these conversations are crucial for generating the thinking needed to transform our culture. He envisions millions of group members conducting conversations with friends, neighbours, or business colleagues, making movement towards a sustainable future, a widespread and deeply ingrained societal effort.

Personally, I think widespread adoption of compassionate conversations by citizen educators would at least normalise more open dialogue on these issues and we, as a society, may collectively improve at having those important conversations. I will be exploring and practising the resources discussed here, and I urge you to join me in becoming a citizen communicator and learning something new. The tools are on the [Inspiring Transition website](#), where you can find everything mentioned in this article.

#### About Andrew:



Andrew Gaines is an executive team member of US-based NGO Stable Planet Alliance, and a longtime member of Climate Action Network Australia. With a professional background as a Feldenkrais practitioner, psychotherapist, and creativity trainer, Andrew has extensive experience in improving brain functioning. He is also trained in The Natural Step system.

Andrew has also authored several books, [Becoming an Evolutionary Catalyst](#), [Inner Work](#), and [Creativity Games](#). His paper, [A Strategic Review of Climate Communication](#), highlights important but overlooked aspects of climate change that could significantly impact our response.

His TEDx talk, [Transitioning to a Life-Affirming Culture](#), explores the future scenario, [How the Evolutionary Catalyst Movement Blossomed](#), further outlining his vision for a sustainable future. To get in touch with Andrew, email [andrew.gaines@InspiringTransition.net](mailto:andrew.gaines@InspiringTransition.net) or visit the Inspiring Transition website at [www.InspiringTransition.net](http://www.InspiringTransition.net)

#### Smart Lighting Solutions

Lighting accounts for about 10% of the household electricity budget. You can cut 80% off lighting bills with smart lighting solutions. Each new energy efficient light can save you about \$60 over the life of the globe.

- **Compact Fluorescent Lamps** use up to 80% less energy than conventional globes.
- **LEDs are the most efficient form of lighting**  
LEDs use much less energy to provide the same amount of light as other forms of lighting. LED energy is used to solely create light, rather than creating light and heat, as less efficient forms of lighting do.
- **LEDs will save you money**  
LEDs are relatively expensive to buy, good quality LEDs can last a long time - at least 25,000 hours. This makes them more cost-efficient than most other lighting types, as they don't need to be replaced as often.

Note: Incandescent and halogen light bulbs are being phased out from the Australian market, where an LED equivalent is available.

## International articles

### International Coral Reef Society's "coral reef restoration strategy"

(This review is written by Callum Fisher, HOPE researcher Qld)



#### **Background and Aims**

This publication was written by Ohio State University and distributed through EurekaAlert!, a scientific non-for-profit distribution platform for university studies, journal publications, governments, and more. EurekaAlert! is operated by the American Association for the Advancement of Science and has strict eligibility for its publications to meet to ensure trust and accuracy.

Their primary article underpins global scientists' call for newer and stronger policy commitments for the protection and restoration of the world's coral reefs. The publication documents the series of policy proposals written by the International Coral Reef Society (ICRS) directed at world policymakers to prevent coral reefs from reaching irreversible conditions by taking actions over the coming decade. The research policy proposal recommends three policy initiatives - addressing climate change, improving local conditions, and active restoration of coral. Professor Andea Grottoli of the Ohio State University is among the contributors to the policy paper alongside scientists from the U.S, Europe, Africa, Middle East, and Australia.

A peer reviewed publication approved for EurekaAlert! ensures that the information is reputable and consistent with the knowledge of similar researchers. By being peer reviewed, we can assume that there is validity in procedures and research conducted by the authors.

#### **Issue**

Coral reefs exist as ecosystems and house a large portion of ocean species, while also having a global economic value of nearly \$10 trillion per year. However, presented models indicate that at the current business as usual rate of warming there will be drastic loss of coral reefs to only a few percent of what is current. If the world can limit global warming to the intended 1.5 degrees Celsius, 30% of coral reefs around the world will persist. For that 30% target to be met, action must be taken to reduce global warming within the next decade. Positively, policy initiatives could allow for restoration of coral reefs in the future following the meeting of the target. This would mean that a 30% persistence of the coral reefs could increase through human effort, but if persistence were only a few percent, it would be a much more difficult task. Nonetheless there is hope from scientists that restoration efforts can occur and lead to meaningful results following a limitation of rapid global warming.

#### **ICRS Recommendations**

The presented paper and the organisation recommend dividing the issue into three separate but linked policy initiatives, these focus on reduction, resilience, and restoration:

- Governments must commit to coordinate policies that specifically target biodiversity loss in their oceans and commit to a full implementation of these policies.
- Governments must commit to whole of government approaches to ecosystem conservation, climate mitigation, and to restoration and enhancement of local conditions and foster a unified management of the reefs.
- The government should aim to create and implement adaptation policies to manage existing coral reefs and ensure that enough coral persists until restoration can occur.

The authors argue that by implementing these strategies on all levels of government, including international agreements, and local council and community initiatives, the decline in coral reefs can be limited over the coming decades. It is important to note that these coral reefs are important not just for economic value and biodiversity but also play a role in protecting coastal societies from floods. Humans are a stakeholder in this situation and will also be impacted economically and physically by the potential declines in global coral reefs.

### **Achievements**

Professor Andrea Grottoli from the Ohio State University and Former President of the International Coral Reef Society has published a more in-depth report titled "Rebuilding Coral Reefs: A Decadal Grand Challenge." The report can be found at: [https://coralreefs.org/publications/rebuilding\\_coral\\_reefs/](https://coralreefs.org/publications/rebuilding_coral_reefs/)

The International Coral Reef Society continues to raise awareness for the mitigation of climate change effects on coral reefs and adaptation and restoration strategies. The society currently promotes evidence-based scientific research and reports to a range of governments, as well as assisting in promoting decision-making via meetings with government officials and agencies. The Society is also currently contributing to the development and implementation of international agreements relating to coral reef policy, and supplying evidence to international institutions such as the United Nations (UN) and the Conference of Parties (CoP).

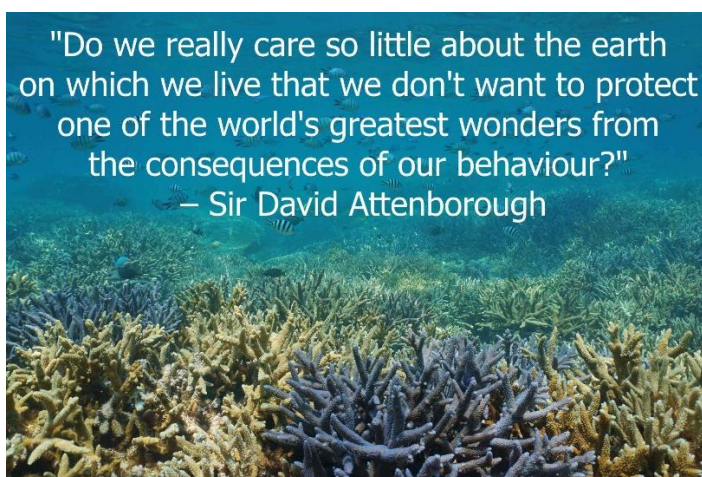
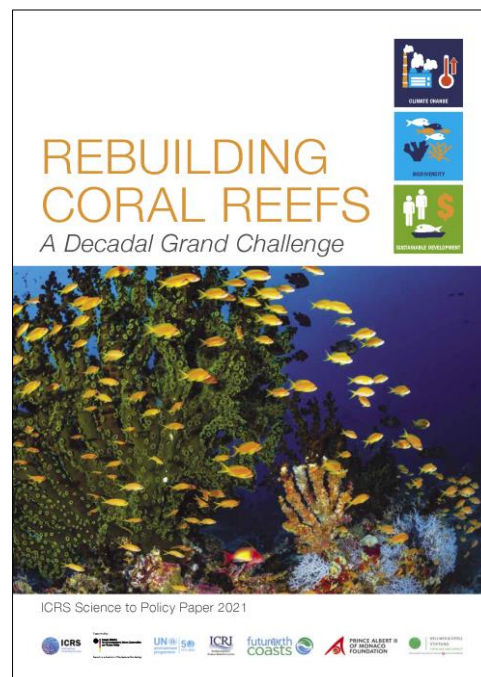
### **Current Initiatives**

The International Coral Reef Society has additionally made 12 pledges to the coral reefs that they intend to act on, to further their cause. They are currently dedicated to supporting policy for the health of reefs by voting for conservation policies and advocating for science-based policies to domestic and international government organisations. They are also committed to initiatives to reduce their carbon footprint by refusing all single-use plastics, reducing energy use, eating sustainably, and limiting chemical and product use. Lastly, they are involved in promotion of reef conservation through participation in local action campaigns, and commitment to education programs and reef research.

### **Key Contacts**

A number of researchers from many countries and organisations have worked together to produce this information and key contacts can be found at the bottom of the EurekaAlert! Article found here: <https://www.eurekaalert.org/news-releases/859853>

Dr. Andrea Grottoli is a notable author on the project and is both a professor of Earth Sciences at Ohio State University and was the president of the International Coral Reef Society. Her other work can be found here: <https://u.osu.edu/grottoli.1/>





## The Promotion of a Circular Economy by the Prevent Waste Alliance

(This review is written by Callum Fisher, HOPE researcher Qld)



Prevent Waste Alliance. <https://prevent-waste.net>

### Background and Aims

The Prevent Waste Alliance is a newly formed platform designed to facilitate the cooperation between many organisations and industries to contribute to a circular economy. The program was launched by the German Federal Ministry for Economic Cooperation and Development and works with civil society, academia, private organisations, and public agencies. The Prevent Waste Alliance operates with the objective of minimising worldwide waste, eliminating dangerous pollutants, and increasing the recycling and re-use of goods and materials among all industries. To achieve these objectives, the platform's focus primarily involves facilitating change in waste management, waste collection, and recycling

methods. Prevent Waste Alliance operates three working groups within its structure that focus specifically on different waste types:

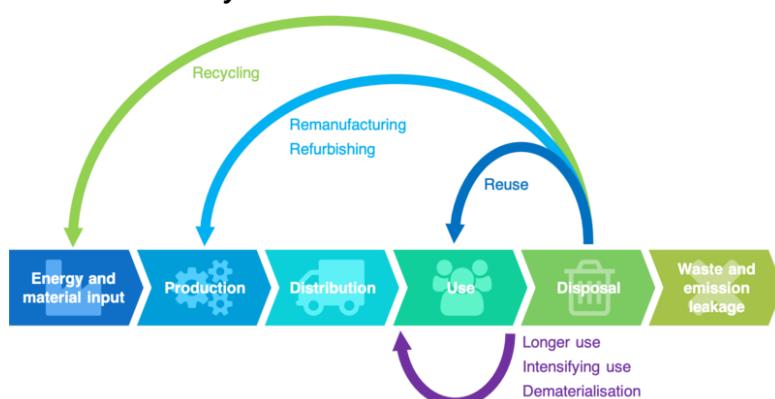
- Plastics
- E-waste and Batteries
- Organics

Each working group has its own specific objectives related to the waste type, but all involve the reduction of that waste and the ability to maximise its reintegration into the economic cycle. More information can be found about the working groups here: <https://prevent-waste.net/our-topics/>

### Issue

Our existing economic resource and production model, the linear economy, involves the process where much of our goods follow the path where resources are extracted, produced, consumed, and then wasted with only a small amount of goods being recycled and reused for other purposes. The impacts of this method have negative consequences for both our environment, and to some extent our economy and society (Naturklima, n.d). The linear model leads to both a considerable amount of waste from single use and single purpose goods, but also a waste in resources that could be repurposed. This results in significant environmental harm from the landfills it creates, and the emissions caused by waste management services. Additionally, a linear economy is a contributor of environmental harm and economic instability due to continuous need for resource extraction. This is because the lack of recycling and re-use of existing materials leads to consistent demand for raw materials which contributes to global resource depletion. The focus on obtaining raw materials over recycling existing materials is also impacting the environment through biodiversity loss, land degradation, and emissions from the resource extraction methods. Furthermore, material depletion leads to price volatility issues that impact consumers and economic stability. The current linear economic method is highly wasteful and has enormous impact on the environment that surrounds its extraction, production and waste processes.

### Circular Economy



A circular economy is an alternative model of economic production and consumption of goods in which there is a primary emphasis on the recycling, re-use, and refurbishment of goods so that their life cycle is potentially infinite (European Parliament, 2023). This model would ideally lead to reduced waste, reduced single use goods, and extended life cycles and value of our materials. In our current model, materials are used to generate a service or item, which is then used for its intended purpose and likely disposed of without the materials being used for

anything else. The Circular Economy model however sees the item and its materials recycled and reused after their initial use, allowing for them to be re-consumed repeatedly. This method allows products and materials to maintain economic value as well as reduce the costs and need for extraction of raw materials, ultimately providing an economic benefit to consumers and businesses.

## **Benefits**

There are multiple benefits to the Circular Economy Approach. Firstly, reducing the rate of extraction of materials eases demand for certain limited resources as well as increased supply of materials for future generations. It also reduces risks of price related uncertainty that result from finite material demand as well as providing an economic benefit to producers and society. Additionally, this method causes less environmental harm than the linear approach. Landscape disruption and diversity loss would be reduced because of the reduction in material extractions. There would be a measurable reduction in GHG (green-house gas) emissions, due to the decrease in raw material production and waste services. Lastly, the development of more sustainable goods and services would reduce energy consumption and waste both in their design and the behavioural change away from single use goods.

## **Current Prevent Waste Alliance Projects**

The Prevent Waste Alliance has a number of projects aimed at promoting a circular economy and facilitating cooperation between organisations and agencies. One initiative is the promotion of E-waste recycling through compensation in Nigeria. This initiative aims to solve a lack of E-waste recycling methods in low- and middle-income countries and solve the lack of finance options for E-waste recycling. The solution is an E-waste compensation program where global IT producers and consumers help fund the recycling and management of electronic waste in Nigeria. The process aims to recycle one end of life electronic item at the rate that one new one would be purchased. This results in the production and recycling of electronics being neutral, and increased recycling ability in Nigeria with the support of IT suppliers.

Another initiative is the program to reform Indonesia's waste management. This program is fuelled by the lack of waste separation in households, lack of transparency in local waste management, poor conditions in waste management, and lack of access for local recyclers to the international market. The initiative used systems-thinking to break down the Indonesian waste management process and identify all the relevant stakeholders in plastic waste. The program then uses digital technology to create an online marketplace to give local recycling organisations better access to the global recycling economy, increasing their ability to export recycled material. This initiative also promotes waste segregation at a household level by facilitating cooperation between local Indonesian government agencies and German organisations to distribute segregated bins to Indonesian households, upgrade waste trucks, distribute educational material, and incentivise waste segregation through games. This method of behavioural change, paired with increased access to the global marketplace aims to help increase the supply of plastic for recycling, as well as the demand from the global economy for recycled plastic material.

These are just two of ten current initiatives of the Prevent Waste Alliance. More programs can be found on their website with detailed resources, videos, and factsheets documenting each initiative, its goals, and its challenges. The current programs can be found here: <https://prevent-waste.net/our-projects>.

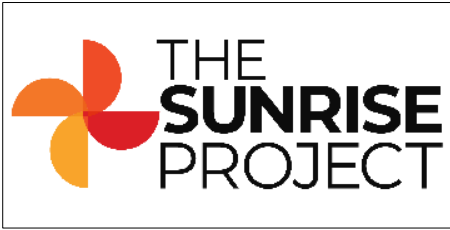
## **Achievements**

The E-waste recycling program has seen some successful achievements since it began. So far, the program has processed over 30 tonnes of E-waste in Nigeria, beating its goal of 20 tonnes. The initiative has also led to an increase in local added value through collaboration with collectors within Nigeria, as well as partnering with large global IT companies such as Philips Monitors Manufacturer, MMD.

The Indonesian plastic recycling initiative has led to several beneficial outcomes. So far, the program has seen around 900 households receiving a segregated bin and educational material, 80% of which has begun recycling their household plastic. 22 waste banks and two recycling organisations have been trained on how to operate on the digital recycling marketplace, giving them access to the global recycling economy. Around 10,000 kg of plastic has been collected, processed, and offered on the recycling marketplace since the program's initiation. An increase in traceability of plastic waste can also be observed.

## **References**

- European Parliament. 2023. "Circular economy: definition, importance and benefits". Available at <https://www.europarl.europa.eu/news/en/headlines/economy/20151201STO05603/circular-economy-definition-importance-and-benefits>.
  - Naturklima. n.d. "Disadvantages of the linear economy". Available at <https://naturklima.eus/hecdisadvantages-of-the-linear-economy.htm>.
  - Prevent Waste Alliance. 2024. Prevent Waste Alliance. Available at <https://prevent-waste.net/>.
-



**The Sunrise Project - <https://sunriseproject.org/>**

*Written by Frank Lee, HOPE researcher (NSW)*

The Sunrise Project is a global network of organizations and individuals working to accelerate the transition away from fossil fuels and toward renewable energy and create a healthy prosperous sustainable future (1).

It currently comprises:

- [The Sunrise Project Australia Limited](#), founded in 2012 (2);
- [The Sunrise Project Inc.](#), incorporated in the United States 2022 (3);
- [The Sunrise Project International Stichting](#), established in 2023 (4)

The Sunrise Project focus on the following **6 Major Works** and **5 Core Values** (1):

<b>6 Major Works</b>	<b>5 Core Values</b>
<b>Analysis</b> to understand the political, social and economic systems driving the climate crisis	<b>Prioritise Relationships:</b> Actively nurture honest, healthy relationships of mutual respect in our team and with our movement and funding partners
<b>Strategy</b> design for multi-partner efforts that create systemic change	<b>C'mon It's 2024:</b> Push to imagine and implement the scale of action required
<b>Partner</b> with philanthropy to resource these strategies	<b>We Don't Live Single Issue Lives:</b> Committed to doing the work we can today so we are closer tomorrow
<b>Fund</b> a diversity of organisations and support them to work together for collective impact	<b>It's Not About Us:</b> Play a part in scaling social movements that can change the world and prioritise enabling others to do their best work rather than trying to do it ourselves
<b>Support</b> organisations and movements to sharpen their strategies and build their capacity to achieve real-world outcomes	<b>Dare To Lead:</b> Powerful organisations and movements are leaderful
<b>Drive</b> strategic interventions that will hasten the transition beyond fossil fuels	

The key objectives of The Sunrise Project are:

1. Scaling up renewable energy deployment worldwide (5, 6, 7, 8):
  - Driving investment and policy support for clean energy its storage technologies.
  - Promoting the phaseout of fossil fuel infrastructure and facilitating transition to renewables.
2. Accelerating the decarbonization of hard-to-abate sectors (9, 10):
  - Developing technological and policy solutions for decarbonizing heavy industries.
  - Promoting sustainable clean alternatives in transportation.
3. Strengthening climate policy and governance (11, 12, 13):
  - Advocating for ambitious, science-based emissions reduction targets and policies at the national and international levels.
  - Supporting implementation of Paris Agreement and UN Sustainable Development Goals.
4. Mobilizing a global movement for climate action (14, 15, 16, 17):
  - Engaging with communities, businesses, and civil society organizations to build a broad coalition for the energy transition.
  - Amplifying the voices of frontline communities, youth activists, and other key stakeholders.

In 2022, The Sunrise Project's funding partners making over \$44m in grants to almost 200 organisations in Australia and around the world (18). The Sunrise Project is poised to play a prominent role in accelerating the global transition to a sustainable low-carbon future. It continues to expand its partnerships and adapt to the evolving challenges and opportunities in against climate change.

## References:

- 1: About - The Sunrise Project: <https://sunriseproject.org/about/>
- 2: The Sunrise Project 2012 Australia Annual Report: <https://sunriseproject.org/wp-content/uploads/2018/06/2012-2013-Sunrise-Project-Annual-Report.pdf>
- 3: The Sunrise Project Inc.: <https://sunriseproject.us>
- 4: The Sunrise Project International Stichting: <https://sunriseproject.nl>
- 5: Transforming Australia from Climate Laggard to Leader - The Sunrise Project: <https://sunriseproject.org/projects/moving-australia-beyond-coal/>
- 6: Shifting Global Finance Beyond Fossil Fuels - The Sunrise Project: <https://sunriseproject.org/projects/shifting-global-finance/>
- 7: Climate activist takes aim at Vanguard - InvestmentNews: <https://www.investmentnews.com/esg/news/climate-activist-takes-aim-at-vanguard-203476>
- 8: Vanguard's efforts to navigate climate activism get messy (investmentnews.com): <https://www.investmentnews.com/esg/news/vanguards-efforts-to-navigate-climate-activism-get-messy-235999>
- 9: Sunrise Project Australia - for accelerating the EV transition (hewlett.org): <https://hewlett.org/grants/sunrise-project-australia-for-accelerating-the-ev-transition/>
- 10: How can we reorient the financial system away from fossil fuels? We spoke to Umme Hoque of The Sunrise Project to find out! – The Hague Humanity Hub: <https://www.humanityhub.net/news/how-can-we-reorient-the-financial-system-away-from-fossil-fuels-we-spoke-to-umme-hoque-of-the-sunrise-project-to-find-out/>
- 11: Sunrise Project Australia - For Passive Asset Management Research: <https://hewlett.org/grants/sunrise-project-australia-for-passive-asset-management-research/>
- 12: Response to the Sunrise Project report by the Net-Zero Asset Owner Alliance – United Nations Environment – Finance Initiative (unepfi.org): <https://www.unepfi.org/news/response-to-the-sunrise-project-publication-by-net-zero-asset-owner-alliance-chair/>
- 13: The Sunrise Project - InfluenceWatch - InfluenceWatch: <https://www.influencewatch.org/organization/the-sunrise-project/>
- 14: The Sunrise Project - John Delisa - 2023 | EDF Climate Corps: <https://edfclimatecorps.org/engagement/sunrise-project-john-delisa-2023>
- 15: The Sunrise Project - Climate Tech Network: <https://climatetech.net/companies/the-sunrise-project/>
- 16: Climate Votes | Home (climate-votes.org): <https://climate-votes.org>
- 17: GetUp: The Sunrise Project donates \$495,000 for climate change action | news.com.au — Australia's leading news site: <https://www.news.com.au/finance/business/mining/big-donation-to-getup-spells-trouble/news-story/132b4f5dfec12c86581146bef37126b0>
- 18: The Sunrise Project 2022 Australia Annual Report: [https://sunriseproject.org.au/wp-content/uploads/2023/07/SP\\_MVSA009-Sunrise-Project-Australia-Annual-Report-2022\\_V4-FA-Low-Res-Spreads.pdf](https://sunriseproject.org.au/wp-content/uploads/2023/07/SP_MVSA009-Sunrise-Project-Australia-Annual-Report-2022_V4-FA-Low-Res-Spreads.pdf)

## Smart water

- Switching washing machines to cold water can cut 80-90% off the energy needed for each load.
- Water saver shower heads can save up to 20,000 litres a year. Even more if you take four-minute showers.
- Recycle grey water to cut overall water use. Recycle this to your garden.
- Save up to \$1500 by installing solar hot water.

