

# THE ADAPTATION GAME



simulating the next 10 years of climate change in your town,  
to help community connect, play, imagine and adapt



**Leah Adams**  
City of Canning



**Rachel Williams**  
City of Canning



# The Brief: climate change is personal



Lismore 2020



Mallacoota 2019

## Missing in Action

“... climate change is accelerating, is already dangerous, and has become an existential threat to human civilisation as we know it. Together with nuclear war, it is the greatest threat to humanity.”



**Admiral Chris Barrie AC**

Former Chief of the Defence Force  
(Retd)





**Ben Pederick**  
**Director**



**Amble Studio**

With thanks to



**DEAKIN**  
**UNIVERSITY**

[tagclimatedrill@gmail.com](mailto:tagclimatedrill@gmail.com)  
[tagclimatedrill.org](http://tagclimatedrill.org)



# Continued growth and learning

A number of local governments across Australia are involved with TAG:



# Our response: The Adaptation Game

**The Adaptation Game** is a narrative table-top game simulating climate change where you live.

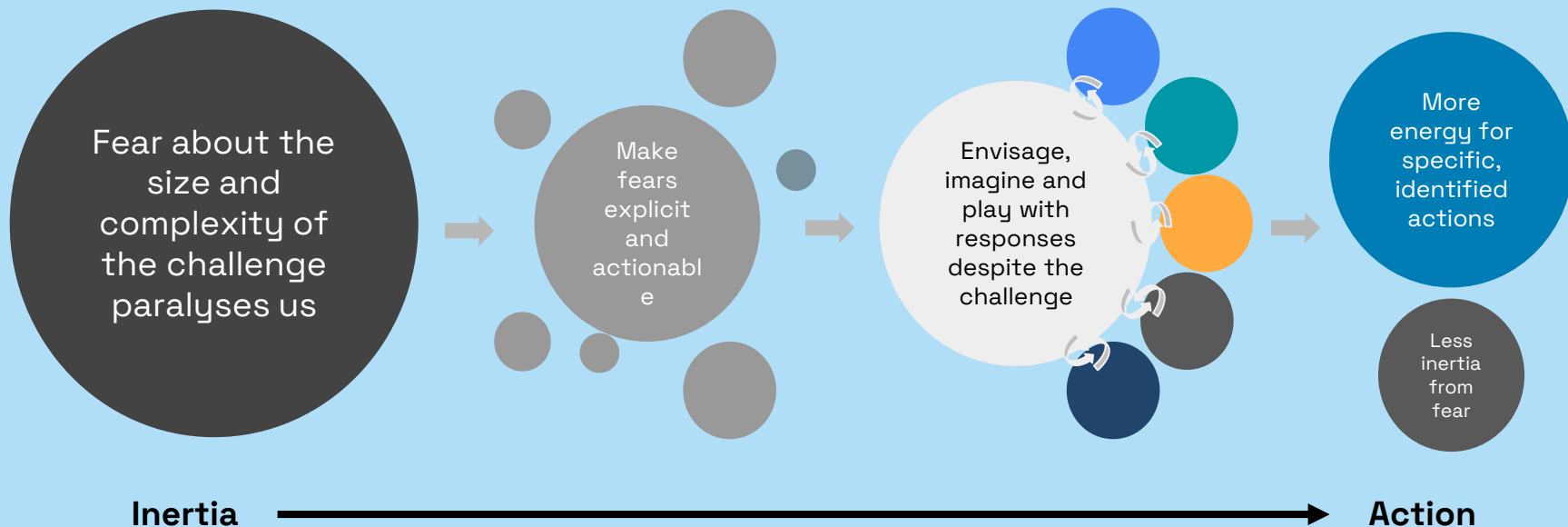
**TAG** grows knowledge, agency, and connection in those who play.

- Storyful scenarios merge local experience with climate science.
- Tables of 4 players engage in guided storytelling, no one needs to be a “gamer” to play.
- Community storytelling and shared sense-making increases agency, both individually and in connection with others.



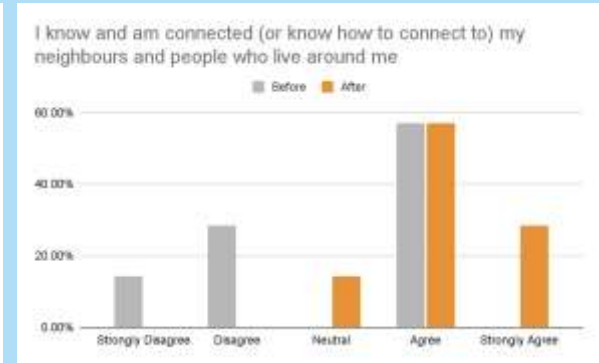
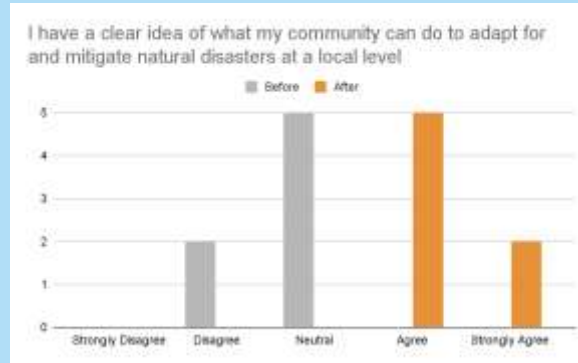
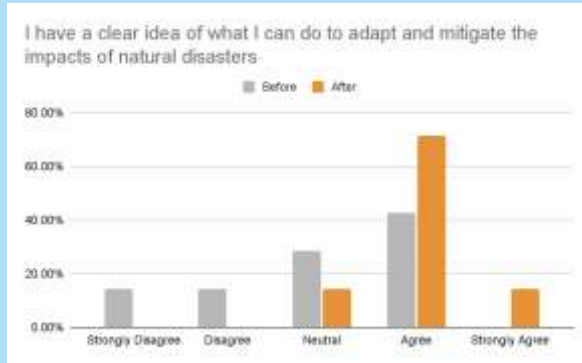
# Imagination as preparation

**TAG** seeks to mobilise the **persuadables**: people who know climate change is real but feel a lack of agency.  
**TAG** deals with community scale adaptation, helping people imagine and build the world we need now.



# Early evidence

Player surveys show **significant changes** in player mindset before and after playing TAG. They show an increased understanding of what to do to plan for and mitigate impacts of natural disasters, as well as an increased connection to their community.



There are significant changes in perspective for players in feelings toward climate change induced natural disasters, especially:



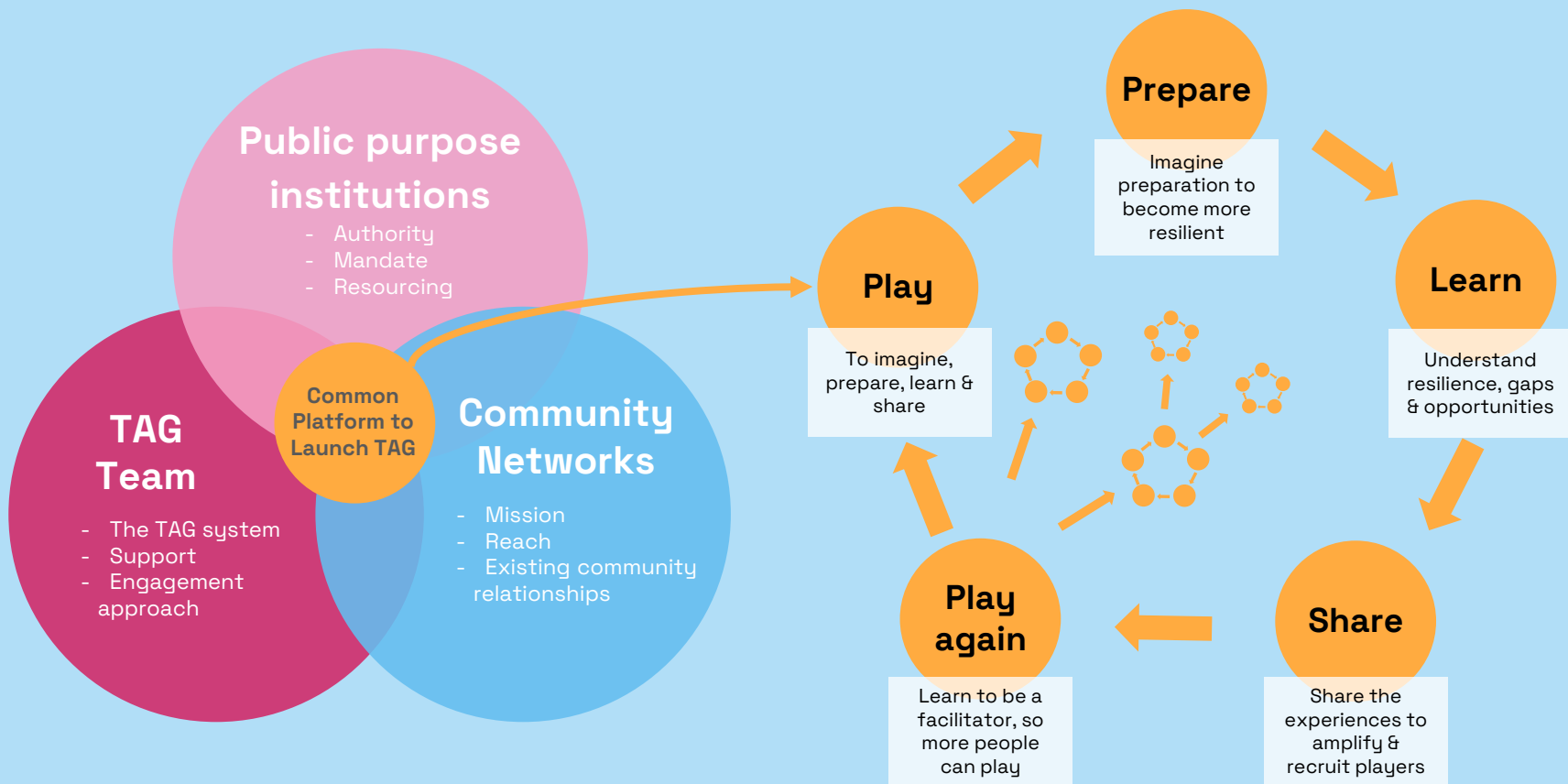
Decreased feelings of:  
Anxiety (71% → 0),  
Overwhelm,  
Despair & Anger



Increased feelings of:  
Compassion,  
Empowerment

# TAG is an ongoing community resource

We sustain impact over time by creating a consortium to roll out TAG locally, and organically growing its reach.





**TAG**

**CANNING**





CITY OF  
CANNING

2021  
2031

# STRATEGIC COMMUNITY PLAN



## CLIMATE READY CANNING

Our Vision for a Climate Resilient City

2024-2034



CITY OF CANNING

## 5. OUR VISION FOR A CLIMATE RESILIENT CANNING

The climate change conversations that we have had with you, our Canning community, have helped shape the vision for our climate resilient future.



Our homes, places of business and our City facilities allow us to live and work sustainably and utilise renewable energy, urban greening and sustainable use of resources and materials (including energy and water).



Our community has equitable access to electric vehicles for private, commercial and public transport, and active transport is encouraged through safe, well designed and maintained infrastructure.



Our community embraces sustainable waste management where less waste ends up in landfill, more materials are recycled and a circular economy is being built.



Our City is green, cool and biodiverse, and our natural environment, including waterways, are protected and healthy.



Our community is knowledgeable, connected, and empowered to live, work and play to sustain a climate resilient City. We embrace learnings from traditional custodians about caring for Country and have a deeper connection to nature.

## COMMUNITY EDUCATION, COLLABORATION AND CAPACITY



The City of Canning as an organisation is ensuring community capacity building through:



Canning as a Learning City delivers education and capacity building programs



Development of sustainability data communication tools



Delivery of incentives and education programs, including through the CREEC

The City of Canning is encouraging the Canning community to build climate resilience through:



Providing free eco audits for residents



Undertaking community capacity building projects such as Climate Clever Neighbourhoods



Engaging with businesses through the Canning Decarbonisation Project





# Measuring impact

Surveys to measure shifts in attitude and behaviour (intended/actual)

- Pre-game survey
- Post-game survey
- 6 month follow up survey

7. After playing The Adaptation Game, I intend to: \*

I intend to increase my personal preparedness.

Strongly agree    Somewhat agree    Neither agree nor disagree    Somewhat disagree    Strongly disagree

I intend to be more involved with community and personal emergency preparation

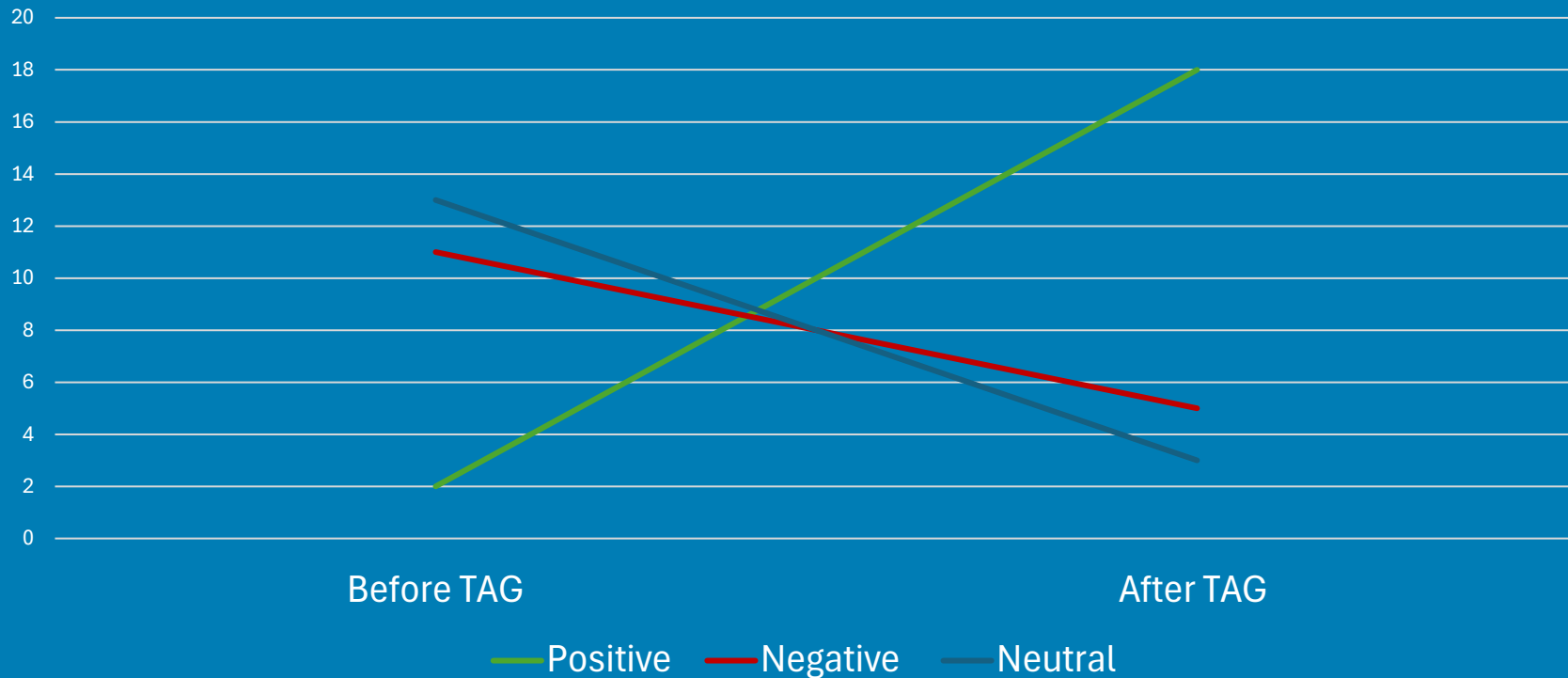
Strongly agree    Somewhat agree    Neither agree nor disagree    Somewhat disagree    Strongly disagree

I intend to join one or more community groups.

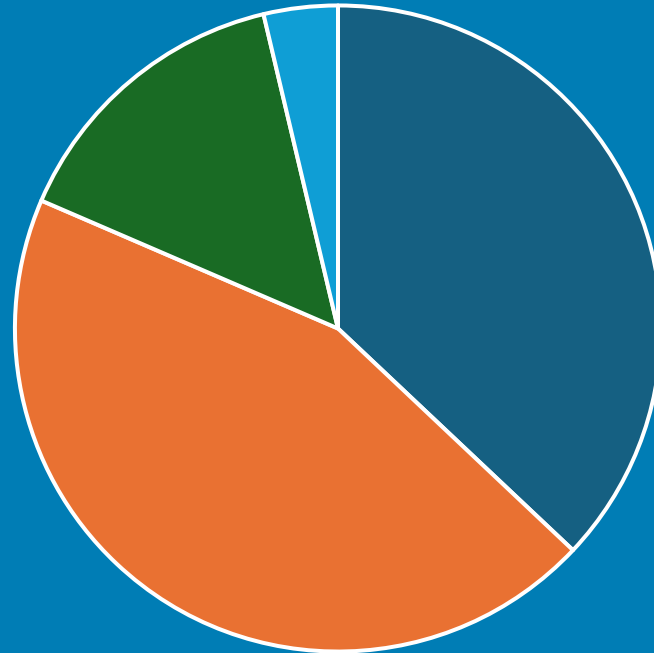
Strongly agree    Somewhat agree    Neither agree nor disagree    Somewhat disagree    Strongly disagree

# Results so far

## Participant Feelings



# Likely to recommend TAG?



□ Extremely Likely   □ Likely   □ Neutral   □ Unlikely

# What people have said after playing:

- “Brings home the importance of community and connection”
- “I’m impressed that we can share these ideas without knowing each other”
- “I want to go home and bond more with my neighbours”
- “You can only do so much on your own, you need community in these situations”
- “Adaptation and participation is critical going forward”
- “There might be hope for community preparedness and climate resilience”



# CLIMATE ADAPTATION IN CANNING

**TAG**  
CANNING



## EMERGENCY PREPAREDNESS

The following are handy resources to help you prepare for emergencies:



### WEATHER AND WARNINGS

- **Weather Forecast and Warnings**  
– Bureau of Meteorology
- **Weather Warnings and Incidents**  
– EmergencyWA
- **Understanding Warning Systems** - DFES



### EMERGENCY INFORMATION

- **Preparing for an Emergency**  
– City of Canning.

Also available in Indonesian, Malayalam, Mandarin, Punjabi.

- **Pets in an Emergency** – City of Canning



### PREPAREDNESS PLANS

- **Get Prepared App** – Australian Red Cross
- **Your Emergency RediPlan**  
– Australian Red Cross

Also available in Easy English, Chinese, Arabic, Punjabi, Hindi, Tamil, Tagalog, Dari, Farsi, Indonesian, Burmese, Kurdish, Pashto, Swahili, Vietnamese.

- **Emergency Redi Workshops**  
– Australian Red Cross
- **Emergency Kit and Contacts**  
– City of Canning

#### For children:

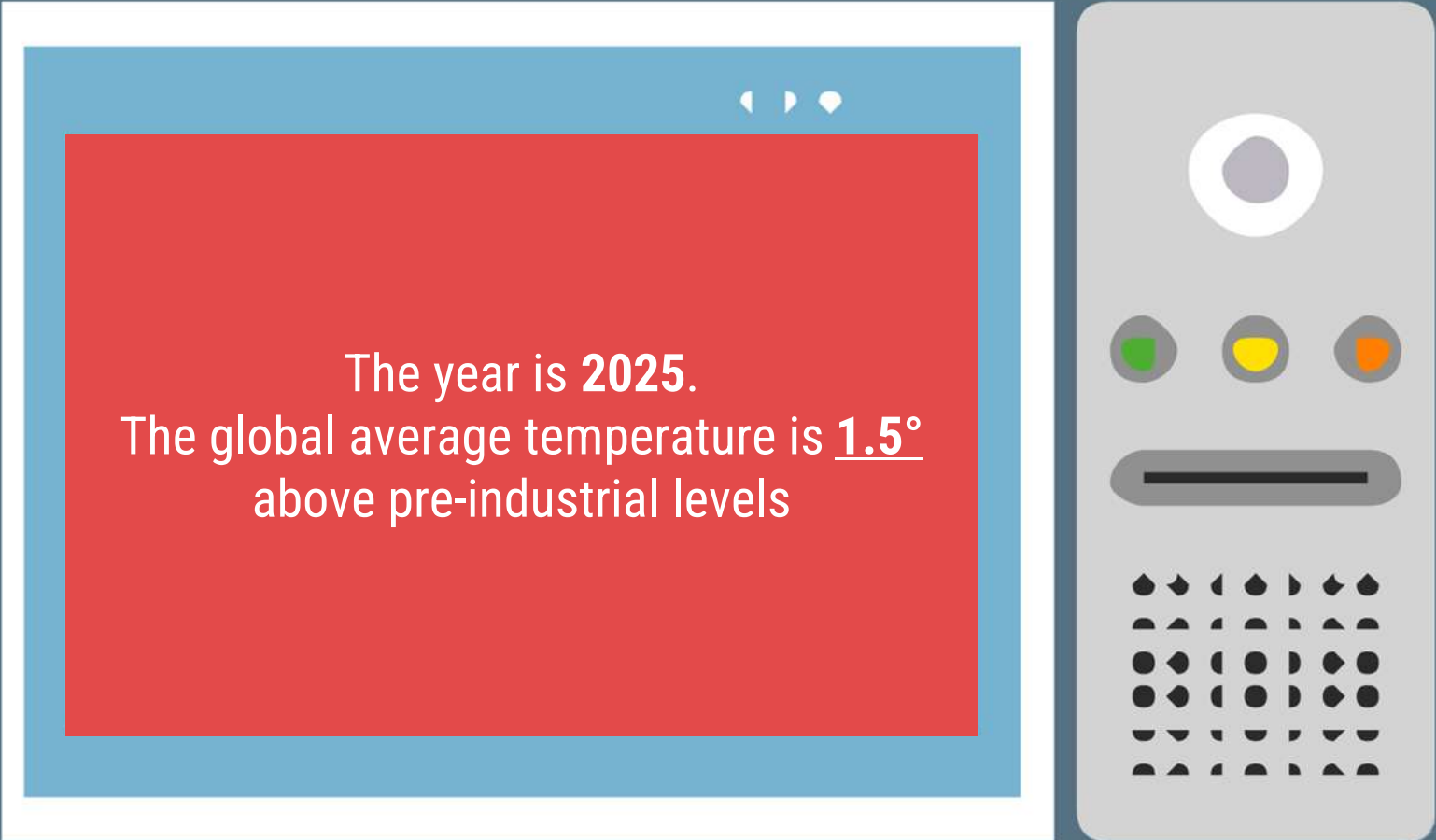
- **Emergency Planning for families with young children**  
– Australian Breastfeeding Association
- **Children's Emergency Preparedness Workbook** – Australian Red Cross
- **Emergency Sack videos** – ABC Play School Everyday Helpers Series
- **Emergency Plan video** – ABC Play School Everyday Helpers Series

#### For people with disability:

- **Collaborating for Inclusion**
- **People with Disability Australia**
- **Braille Emergency Evacuation Information Pack**

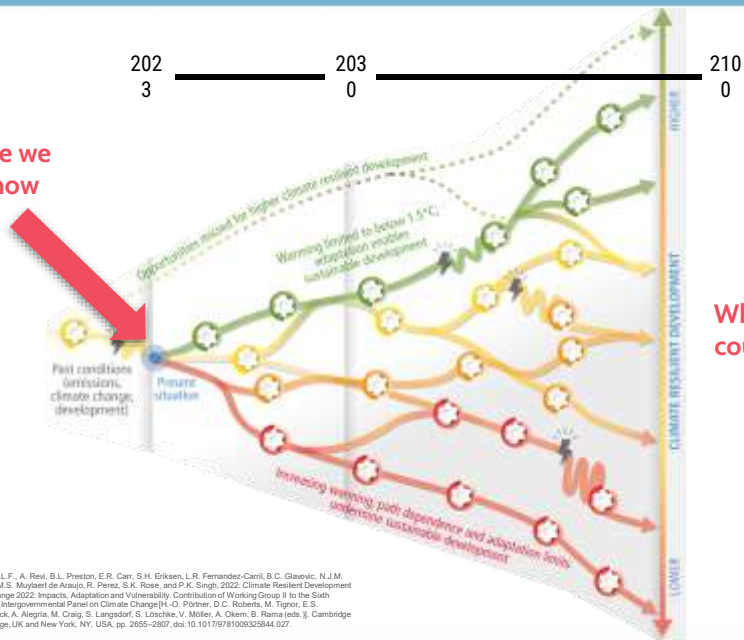
#### For seniors:

- **Preparedness Guide for Carers of People with Dementia**
- **Disaster Preparedness Guide for Older Adults**



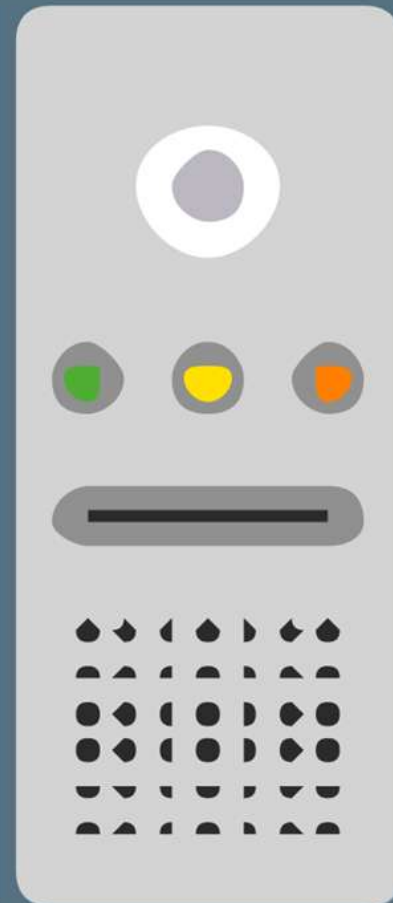
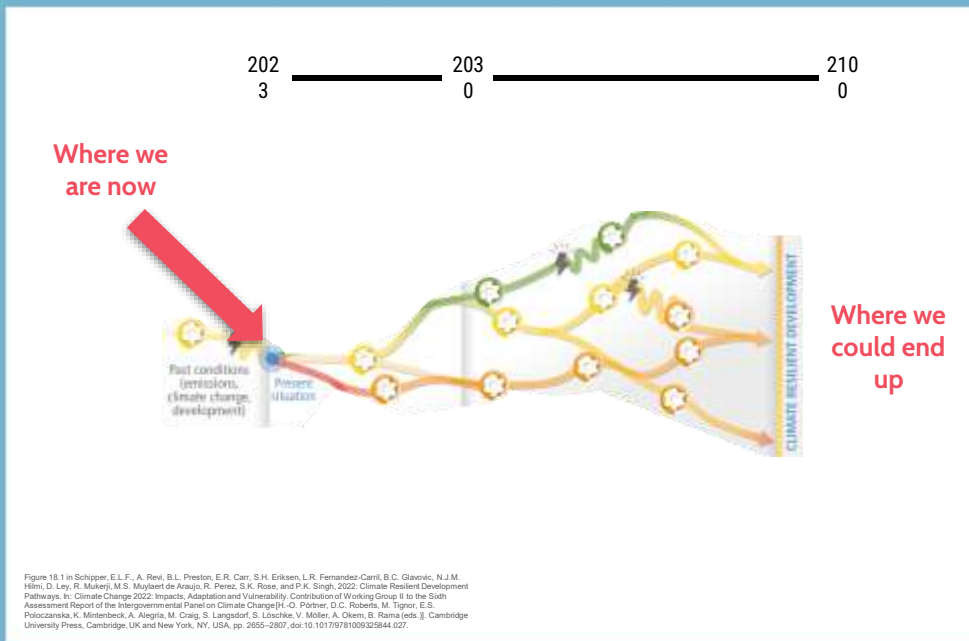
The year is **2025**.  
The global average temperature is 1.5°  
above pre-industrial levels

Where we are now



Where we could end up

Figure 18.1 in Schipper, E.L.F., A. Revil, B.L. Preston, E.R. Carr, S.H. Eriksen, L.R. Fernandez-Carril, B.C. Glavic, N.J.M. Hilmi, D. Ley, R. Mukerji, M.S. Mujibert de Araujo, R. Perez, S.K. Rose, and P.K. Singh, 2022. Climate Resilient Development Pathways. In: Climate Change 2022: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC), Pörtner, D.C., Roberts, M., Tignor, E.S. Poloczanska, K. Mintenbeck, A. Alegria, M. Craig, S. Langsdorf, S. Loschnig, V. Möller, A. Okem, B. Rama (eds.), Cambridge University Press, Cambridge, UK and New York, NY, USA, pp. 2655–2807. doi:10.1017/9781009025844.027.





# TAG Canning

**TAG**

**Ben Pederick**

**0487446049**

**[tagclimatedrill@gmail.com](mailto:tagclimatedrill@gmail.com)**

**[bpederick@deakin.edu.au](mailto:bpederick@deakin.edu.au)**

