



# Disaster Risk Reduction: Are We Brave Enough?

Iain MacKenzie.

**Unearth**  
A NEW PERSPECTIVE ON RISK



Agitators are a set of interfering, meddling people, who come down to some perfectly contented class of the *community* and sow the seeds of discontent amongst them. Oscar Wilde.



We're in business to create a safer world:  
one community at a time.

We want to challenge you to be brave  
enough to:

- challenge the status quo.
- ensure people are the first and last consideration
- act how and when needed.

# Disaster risk reduction

Disaster risk reduction aims to prevent new and reduce existing disaster risk, strengthening the resilience of people, systems and approaches.

UN Office for Disaster Risk Reduction.



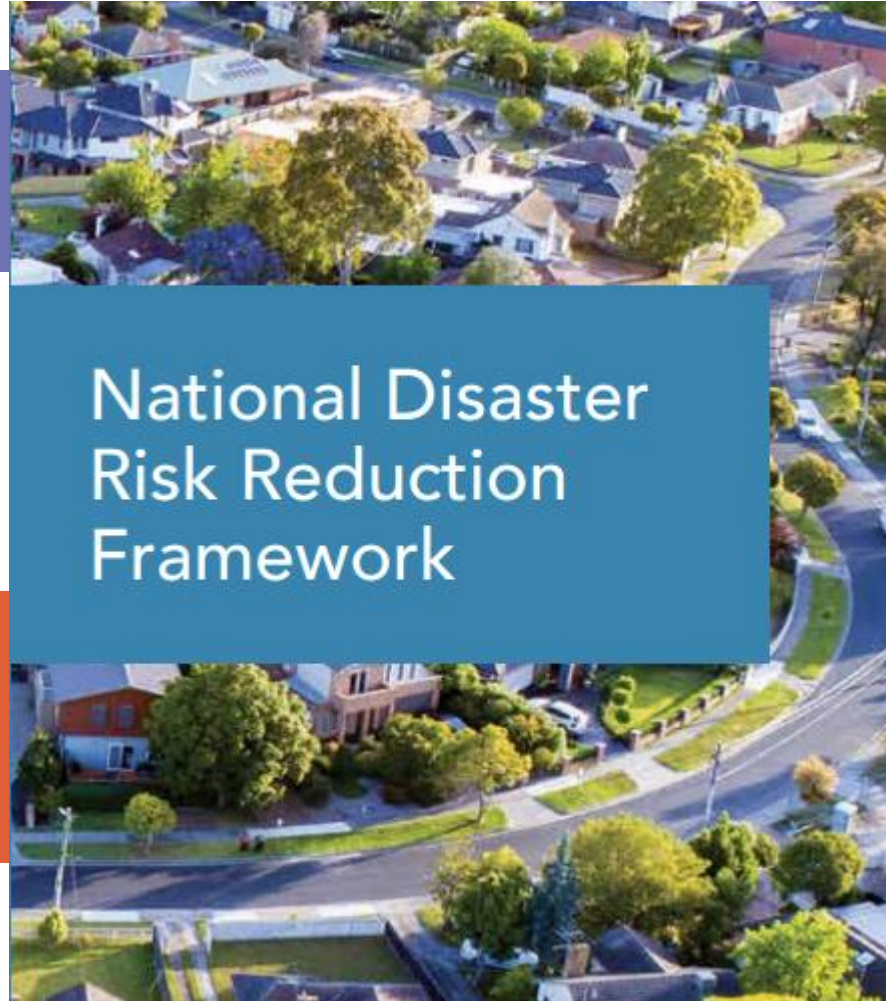
Australian Government  
National Recovery and Resilience Agency

Australian Institute for  
Disaster Resilience 



#ADRC22

**PRIORITY 1:**  
Understand disaster risk



## National Disaster Risk Reduction Framework

**PRIORITY 2:**  
Accountable decisions

**PRIORITY 3:**  
Enhanced investment

**PRIORITY 4:**  
Governance, ownership and  
responsibility



# We know why!



The climate is changing.  
The future is changing.

& We need  
to change!



# ‘Face reality’: Don’t build in flood prone areas, resilience boss says

By [Michael Koziol](#), [Nick O’Malley](#), [Lucy Cormack](#) and [Charlotte Grieve](#)

March 4, 2022 – 5.00am



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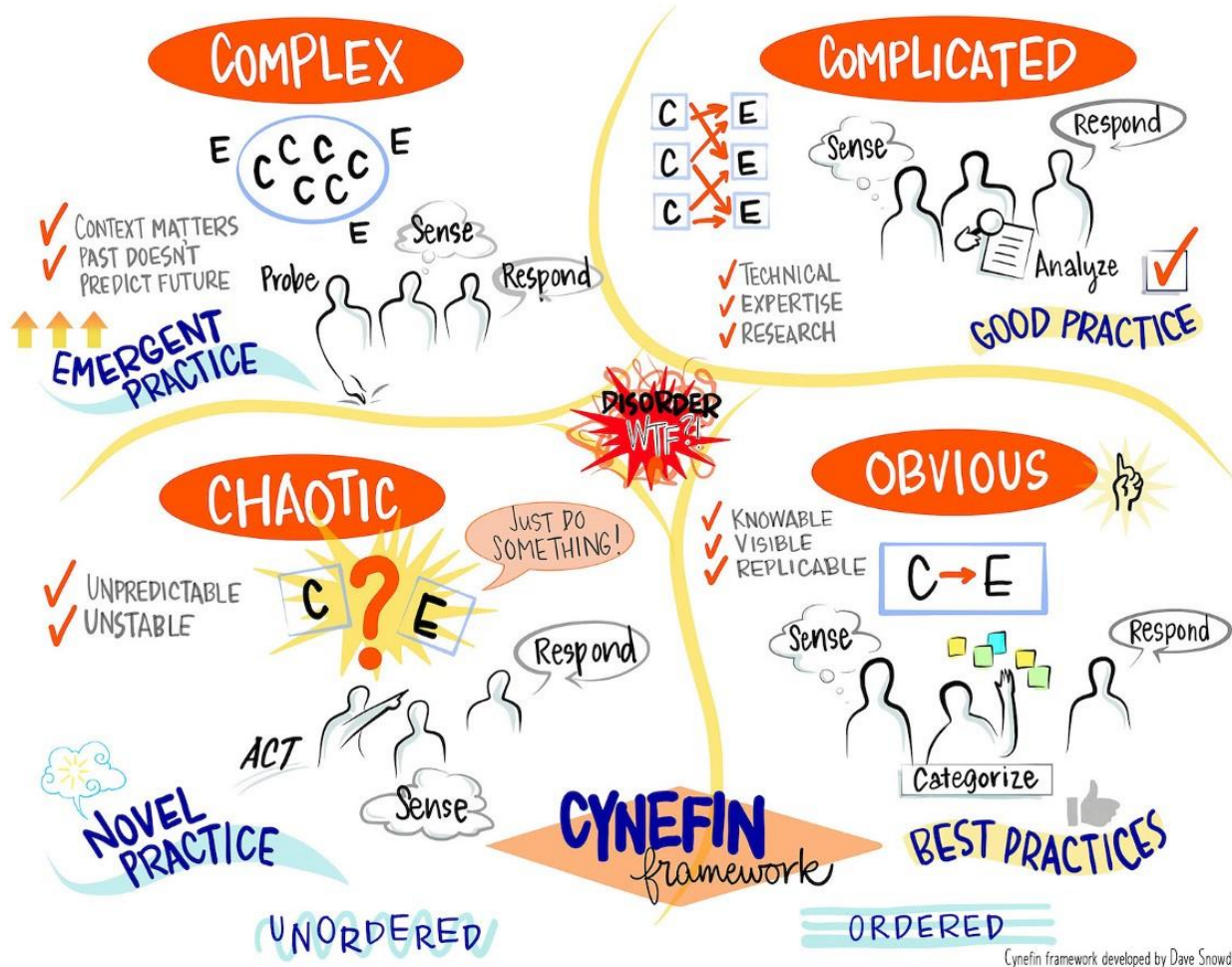
The head of the federal government’s disaster recovery agency has called for an end to floodplain development and says inundated homes should not be rebuilt, as insurers brace for one of the biggest flood claim events in Australian history.

“You’ve got people who want to live among the gum trees – what do you think is going to happen? Their house falls in the river, and they say it’s the government’s fault,” Shane Stone told the *Herald*.

## TALKING POINTS

- 200,000 people on Sydney’s fringe evacuated
- 60,000 insurance claims already lodged and more to come
- NSW government plans to increase Hawkesbury-Nepean floodplain population from 70,000 residents to 130,000 by 2050





What sort of problem are we solving?

What disorder we want to resolve?

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## Edelman Trust Barometer 2022



# Trust 10 Australia 2022

### 01 Australia's trust bubble bursts; no institution trusted

All institutions experienced sharp declines in trust, eroding the record-high levels of public trust recorded in 2021. At 58%, business and NGOs are the most trusted institutions, 52% of Australians say they trust government and 43% trust media.

### 02 Government and media seen as divisive social forces

When asked whether each institution serves to divide or unify society, more than half of Australians see media (55%) and government (52%) as divisive. Conversely, more Australians see business and NGOs as more unifying than those who consider these institutions playing a dividing role.

### 03 All news sources are distrusted

Traditional media is only trusted by 48% of Australians, search engines by 47%, owned media by 33% and social media by only 24%. Amid this skepticism, Australians' concerns about disinformation and fake news remain high with 73% worried about fake news being used as a weapon.

### 04 Australians are convinced they're being lied to

Over six in ten Australians believe that journalists and reporters (65%), government leaders (61%) and business leaders (61%) are actively trying to mislead them by saying things they know are false or grossly exaggerated.

### 05 Distrust is society's default

More than half of Australians (55%) say their default tendency is to distrust something until they see evidence it is trustworthy. Another 61% say people are incapable of having constructive and civil debates about issues they disagree on.



## MORE CONVINCED WE'RE BEING LIED TO BY SOCIETAL LEADERS

Percent who worry

Change, 2021 to 2022

67% ↑ +8 pts

Journalists and  
reporters

66% ↑ +9 pts

My country's  
government leaders

63% ↑ +7 pts

Business leaders

are **purposely trying to mislead people** by  
saying things they know are false or gross exaggerations

2022 Edelman Trust Barometer. POP\_EMO. Some people say they worry about many things while others say they have few concerns. We are interested in what you worry about. Specifically, how much do you worry about each of the following? 9-point scale; top 4 box, worry. Attributes shown to half of the sample. General population, 27-mkt avg.

## 2021 Social Progress Index Methodology Report

### BASIC HUMAN NEEDS

#### Nutrition & Basic Medical Care

- Undernourishment
- Maternal mortality rate
- Child mortality rate
- Child stunting
- Deaths from infectious diseases

#### Water & Sanitation

- Deaths attributable to unsafe water, sanitation and hygiene
- Access to improved water sources
- Access to improved sanitation

#### Shelter

- Access to electricity
- Household air pollution attributable deaths
- Usage of clean fuels and technology for cooking
- Dissatisfaction with housing affordability

#### Personal Safety

- Deaths from interpersonal violence
- Perceived criminality
- Political killings and torture
- Transportation related fatalities

### FOUNDATIONS OF WELLBEING

#### Access to Basic Knowledge

- Women with no schooling
- Primary school enrollment
- Secondary school attainment
- Gender parity in secondary attainment
- Access to quality education

#### Access to Information & Communications

- Mobile telephone subscriptions
- Internet users
- Access to online governance
- Media censorship

#### Health & Wellness

- Life expectancy at 60
- Premature deaths from non-communicable diseases
- Access to essential services
- Access to quality healthcare

#### Environmental Quality

- Outdoor air pollution attributable deaths
- Particulate matter pollution
- Species protection
- Deaths from lead exposure

### OPPORTUNITY

#### Personal Rights

- Political rights
- Freedom of expression
- Freedom of religion
- Access to justice
- Property rights for women

#### Personal Freedom & Choice

- Vulnerable employment
- Early marriage
- Satisfied demand for contraception
- Perception of corruption
- Young people not in education, employment or training

#### Inclusiveness

- Acceptance of gays and lesbians
- Discrimination and violence against minorities
- Equality of political power by gender
- Equality of political power by socioeconomic position
- Equality of political power by social group

#### Access to Advanced Education

- Expected years of tertiary education
- Women with advanced education
- Quality weighted universities
- Citable documents
- Academic freedom

### Included Indicators

### Eliminated Indicators

Does the indicator measure an economic, social or environmental concept?



A social or environmental indicator

An economic concept indicator

Does this indicator measure an input or an outcome?



A concept that we are interested in because it is good or bad for its own sake

Important mainly because it signals some - thing else and is therefore an input indicator

What is the source of this indicator?



Widely reputable and the methods it uses are sound

Unknown, uses biased methods, or lacks rigorous data collection

How old are the data points?



Reasonably current

Most data points are more than 5-10 years old

How many geographic regions does this indicator cover?



95-100% of geographic regions

Fewer than 95% of the geographic regions in the Index

SOCIAL PROGRESS INDEX



## Australia's wellbeing budget: what we can – and can't – learn from NZ

Published: July 13, 2022 6.03am AEST

The wellbeing budget chapter would likely include measures for living standards such as education attainment and health outcomes, as well as some international comparisons.



DISASTER

ARRANGEMENTS  
CAPABILITY DECLARATION  
EMERGENCY

DEVELOPMENT  
CAPABILITIES

CONSISTENT  
AIRCRAFT

IMPROVING

GOVERNMENT  
PLANNING

ASSISTANCE

PRIVATE

CONTENTS

COORDINATION SERVICES

INFRASTRUCTURE

SYSTEM

ARRANGEMENTS

ESSENTIAL

EMERGENCY

AUSTRALIA'S

LETTER  
LEADING

NATIONAL

IMPACT IMPACTS

MANAGEMENT

REPORT

RISK  
TERRITORY  
DEFENCE

LAND  
RESOURCES  
EXISTING

LAND

HEALTH

ROLE

DATA

NATURAL

SHARING

SUMMARY

PRIMARY

AUSTRALIAN

RISKS

WARNINGS

DISASTERS

BUSHFIRES

AUSTRALIA

POWER  
PUBLIC

INFORMATION

AND

AD

HAZARD

AGENCIES

CLIMATE

EXPOSURE

AIR  
FUEL

QUALITY

HAZARDS

TABLE

AERIAL

AIR

RESPONSE

HEALTH

NATIONAL DISASTER

INDIGENOUS

FIREFIGHTING

RECOVERY

NATURAL

FRAMES

HEALTHCARE

COMMITMENT

DISASTERS

AIRCRAFT

SUPPORTING

GOVERNMENT  
COMMISSION

IMPORTANCE

WARNING

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# The Lessons Learned approach.





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- 1 **clarify** your thinking purpose and context
- 2 **question** your sources of information
- 3 **identify** arguments
- 4 **analyse** sources and arguments
- 5 **evaluate** the arguments of others and
- 6 **create** or **synthesise** your own arguments.

As the image illustrates, critical thinking skills and attributes are interconnected and need to work together for your critical thinking to be effective.

Monash.edu.au



OPINION •

10:04am, Mar 4, 2022 Updated: 7:06pm, Mar 4

# ‘Should not have been built’: Ever more frequent flooding disasters require urgent answers

Suncorp chief executive Steve Johnston was also not mincing words when asked about the issue in the wake of the flood peaks in Brisbane.

Queensland’s Deputy Premier Steven Miles touched on this on Friday at a press conference.

“I have visited areas in recent days that frankly should not have been built upon,” Mr Miles said.





That is the reason  
why agitators are  
so absolutely  
necessary





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# Unearth

**A NEW PERSPECTIVE ON RISK**



**BE WORTHY OF TRUST**

**BRING CARE AND COMPASSION TO THE TABLE**

**Our Core Values**

**CHANNEL WISDOM WITH HUMILITY**

**BE BRAVE IN YOUR ENDEAVOURS**