

CENTRALISING ENVIRONMENTAL
RESILIENCE IN
DISASTER RISK REDUCTION
USING THE SDGS

Heidi Chappelow master's candidate

University of Newcastle



Linking DRR agencies with international agreements



Writing a 5 year strategy from an SDG Gap analysis



DRR agencies leading Environmental Resilience

We all experience the increased incidences of disaster, the severity of storms, floods, droughts and fires.

We are aware of people's high levels of exposure to risk, and it is our organisational purpose to reduce this risk.

(Chappelow, 2019)

What if disaster risk reduction agencies, such as SES, are inadvertently contributing to disaster risk through lack of environmental values?

CENTRALISING SUSTAINABILITY



Capability



Safety



Inclusion



Sustainability





Sendai Framework for Disaster Risk Reduction

2015 - 2030



The big three International agreements to reduce disaster risk: Paris, Sendai and Sustainable Development Goals (SDGs)

LEADING ENVIRONMENTAL RESILIENCE

Measure
Strategise
Implement
Evaluate



cifal
Newcastle



United Nations Institute for Training and Research

unitar

2030 Sustainable Development Goals: a resilient-systems approach to DRR

Draft document developed as university project:



SES
NEW STATE EMERGENCY SERVICE

SUSTAINABLE DEVELOPMENT GOALS

Newcastle SES
Sustainable Development Goal
Climate Action Strategy 2019-2024

SUSTAINABLE DEVELOPMENT GOALS

'Sustainability is Everyone's Business'

Prepared by Volunteer Member Heidi Chappelow
for Jim McArthur, Local Commander, City of Newcastle SES, December 2018



Sustainable Development Goal Analysis



Method: Policy review, Value Chain and Strategy SDG Gap Analysis



Results: A SDG high achiever, Lacking environmental values



Strategy: Climate Action Strategy

Newcastle SES Unit SDG Framework



Developed in university project

Heidi Chappelow - University of Newcastle



Climate Action Strategy 2019-2024 – developed as university project

Objective: SES Newcastle will lead by example in responsible consumption and climate action by becoming carbon negative, enviro positive, with ethical trade practices and zero waste by 2024.



CENTRALISING SUSTAINABILITY



Capability



Safety



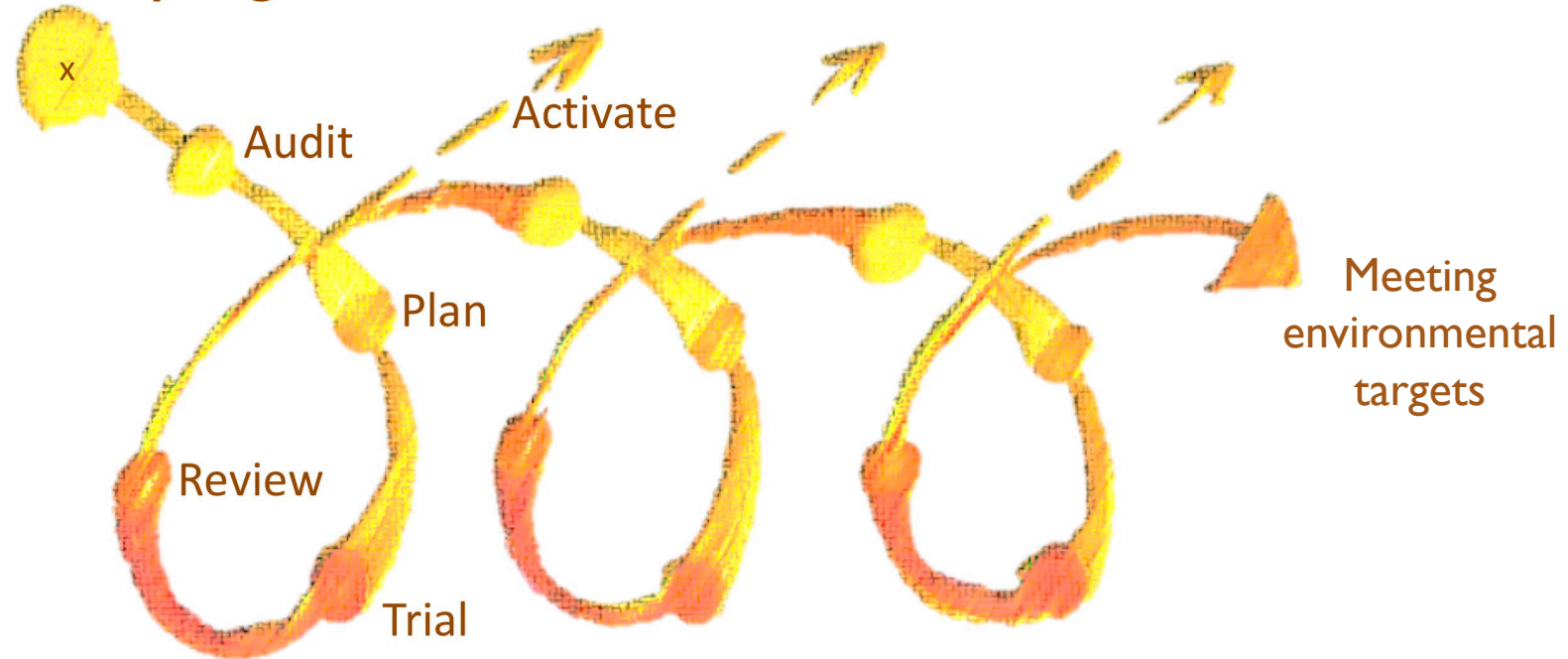
Inclusion



Sustainability



The Spring of Sustainable Innovation



SES CLIMATE ACTION RESEARCH GROUP

ENVIRONMENTAL RESILIENCE TAKE-AWAY MESSAGE

“A NEW DOMAIN OF
RISK”

Once we start to see the world and ourselves as a complex and whole living system there is a better opportunity to support the conditions for resilience.

(Chappelow, 2019)

Shifting the mindset: switching out 'natural disasters' for 'extreme events'



Humans versus nature
mindset has increased risk



All disasters have a
human factor



Broader focus on
human risks

It is part of our DRR purpose to lead by example on sustainability



WHS 1.0 Reducing risk in workplaces

Forthcoming research



WHS 2.0 Reducing risks in the world – disaster risk reduction

Forthcoming research



Heidi Chappelow



Leading the way to a resilient future



Environmental values are key



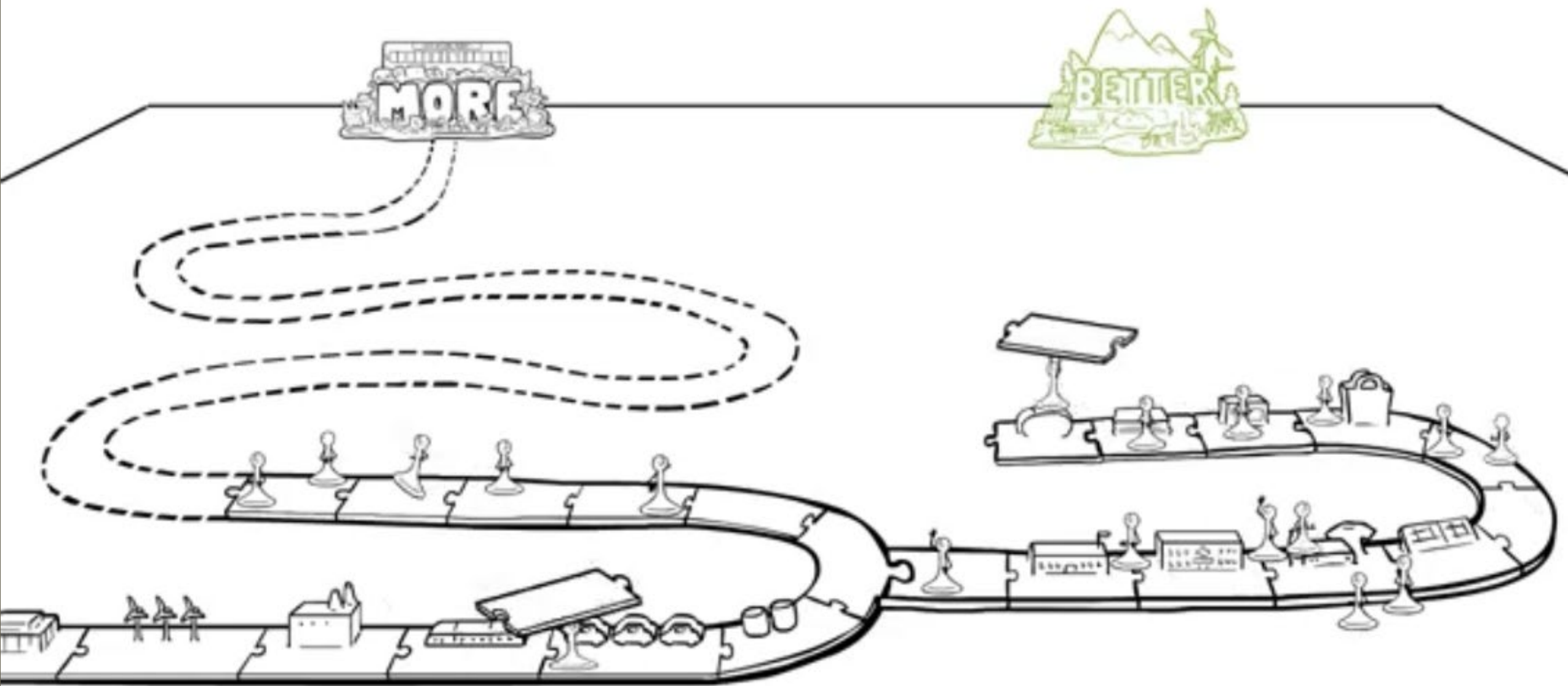
A transformation of our own worlds of work



Commitment at the highest levels



Developing environmentally protective and restorative governance and work practice





Adapted from Bob Marley



Linking DRR agencies with international agreements



Writing a 5 year strategy from an SDG Gap analysis



DRR agencies leading Environmental Resilience

QUESTIONS AND COMMENTS?

References

Leonard, A. & Sachs, J. (2013) *The Story of Solutions*. Free Range Studios. Retrieved from <https://storyofstuff.org/movies/the-story-of-solutions/>

O'Keefe, P. Westgate, K. and Wisner, B. (1976) Taking the naturalness out of disasters. *Nature* 260, pp 566-567.
DOI: 10.1038/260566a0

Parliament of Victoria. (2010) *2009 Victorian Bushfires Royal Commission (Final Report: Summary)*. Government Printer for the State of Victoria

Images: Clode, D. (Water). Bishop, J. (Trees), Burden, A. (Bees). Sandyman (Preparedness). One More Bite (Lamington).