



National Environmental Science Program

# Derisking Nature Repair in Australian Coastal and Marine Ecosystems

18 March 2025

Megan Saunders & Nathan Waltham on behalf of NESP MAC Project 4.10 team

CSIRO, JCU, U Melb, UQ, UTAS, UWA, UNSW, Macquarie, NSW DPI, Oz Fish, NRM South, ACRN



# KUNMING-MONTREAL GLOBAL BIODIVERSITY FRAMEWORK

GBF HOME

MONDAY // 5.8.2023



## Kunming-Montreal Global Biodiversity Framework

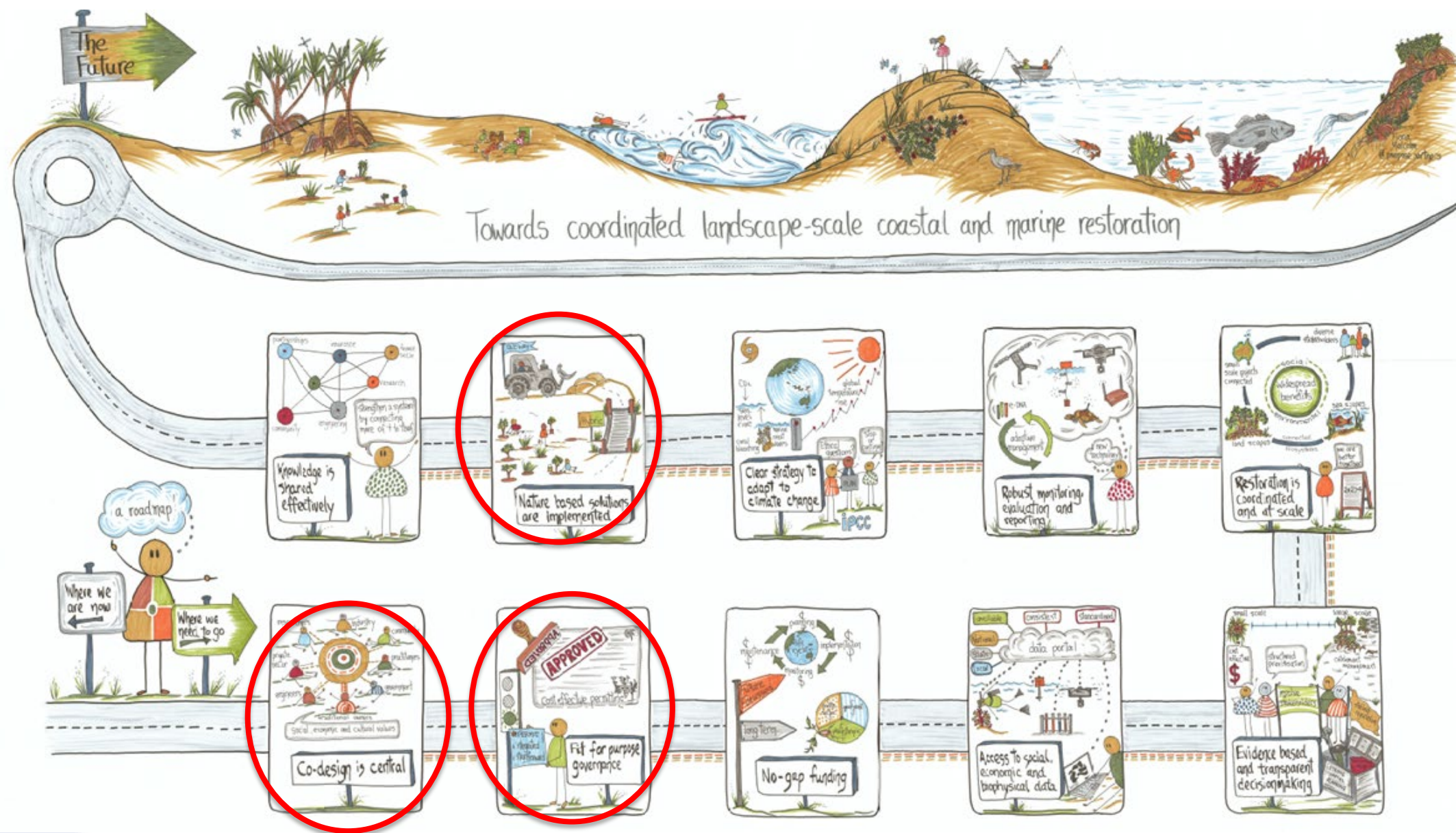


Australian Government

Department of Climate Change, Energy,  
the Environment and Water

**Nature Positive Plan:**  
*better for the environment,  
better for business*

December 2022





# National co-ordination

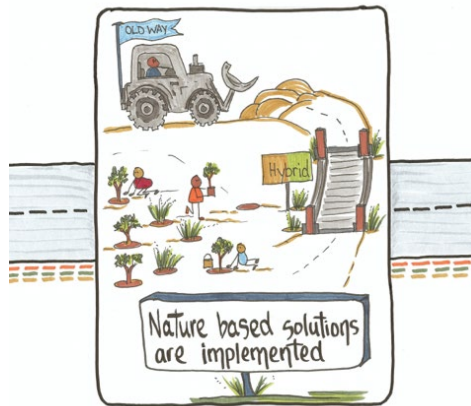
## NESP 3.7 Identifying and overcoming barriers to marine and coastal restoration (Waltham et al. 2024)

Legal/Governance



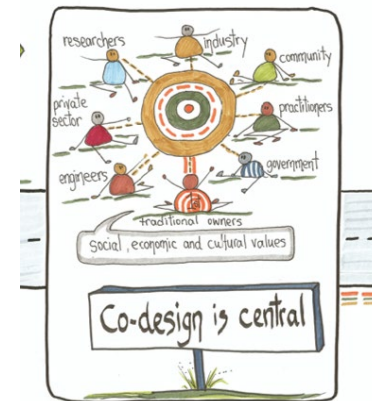
Bell-James et al., 2024

Engineering



Morris et al., 2024

Indigenous

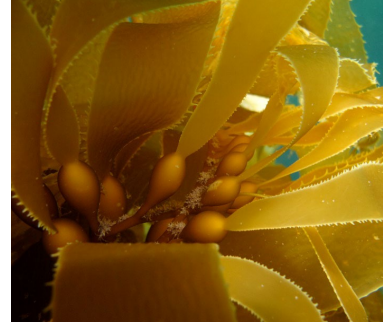


Saunders et al., 2024

# Project 4.10 Derisking nature repair in Australian coastal and marine ecosystems

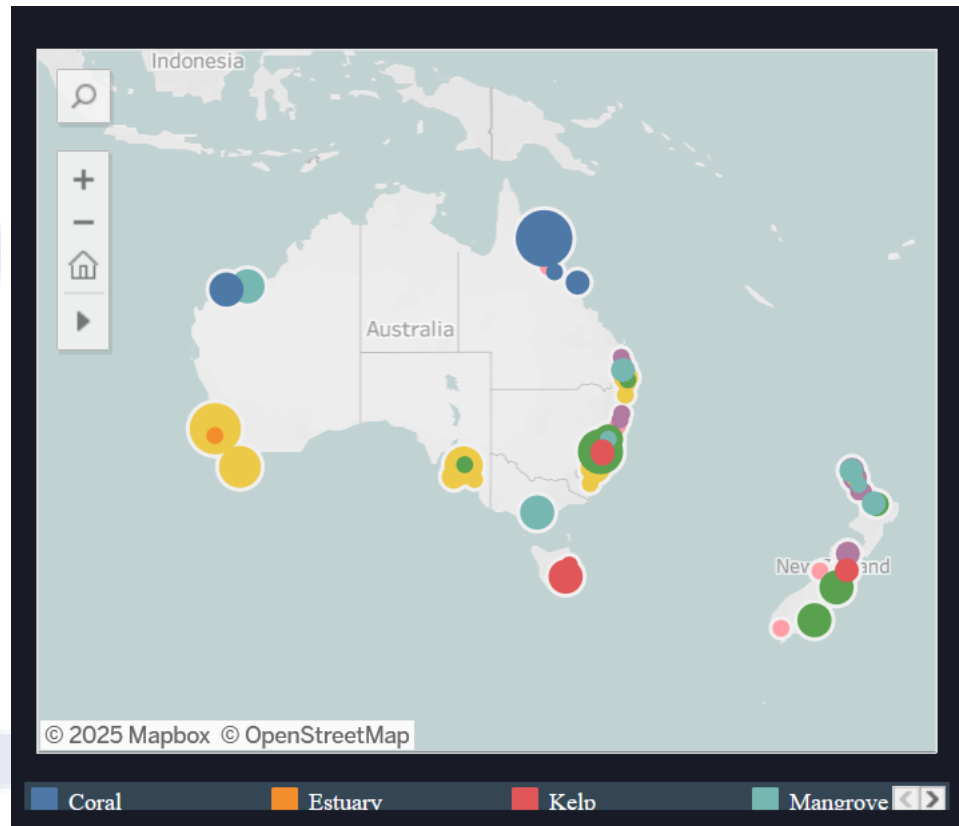
## Goal

To provide up and synthesized to information required to 'derisk' investment into coastal and marine restoration



# Aim 1 Update stocktake of projects nationally

- Australasian Coastal Restoration Network (ACRN) database (CSIRO)
- Living Shorelines Australia database (U Melb)



# Aim 2 Derisking restoration - Workpackages

## Outcomes

Synthesis  
**Ecological**  
outcomes (CSIRO)

Case Studies –  
**ecological**  
outcomes  
(various)

**Engineering**  
outcomes (U  
Melb)

**Socioeconomic**  
outcomes (UWA)

## Risks

Risks (Horizon  
Scan) (UTAS)

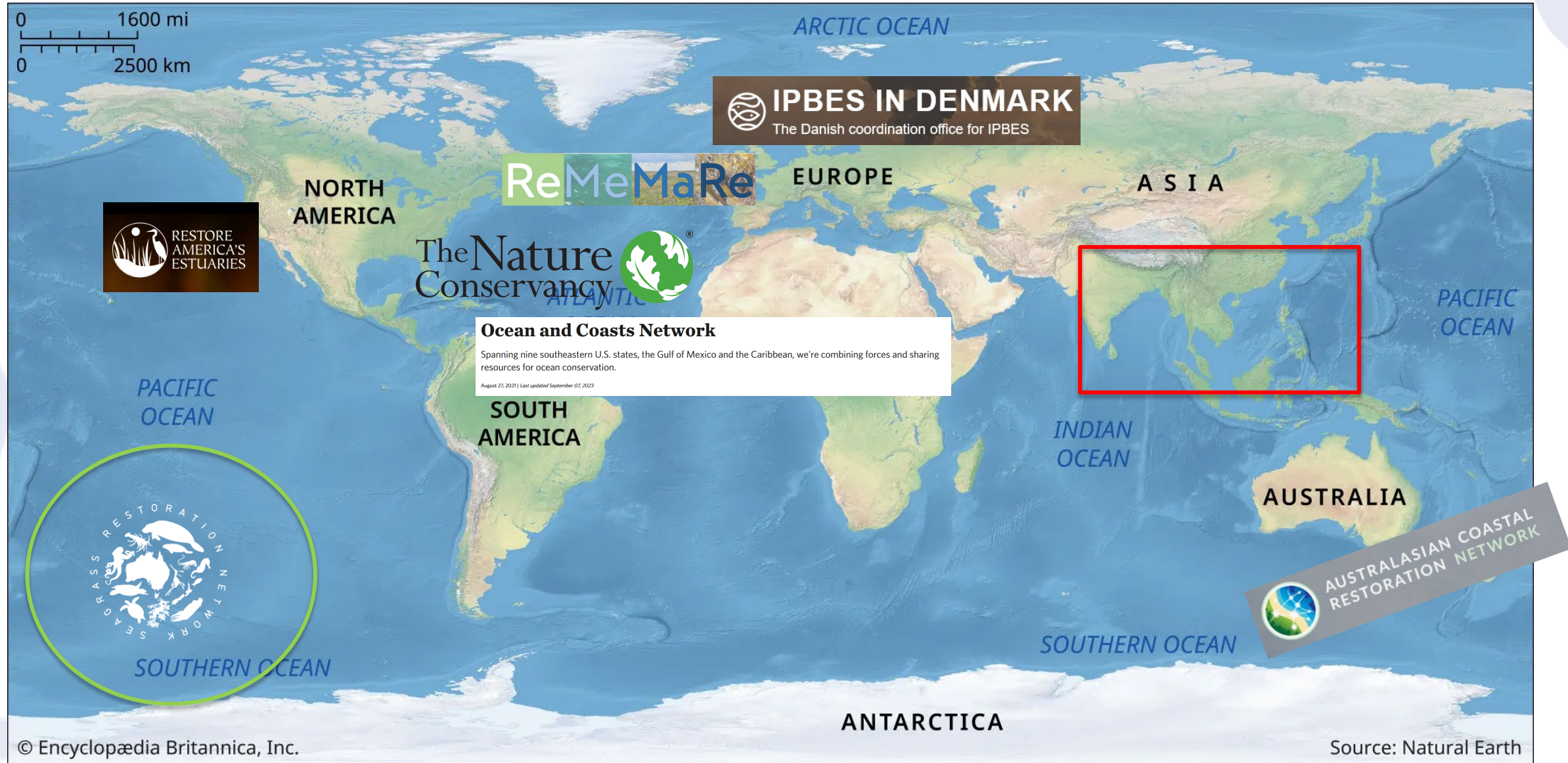
Legal &  
Governance Risks  
(UQ)

Environmental  
Risks (climate  
change) (U Melb)

Derisking  
Indigenous –  
Codesign (CSIRO)



# Aim 3: Forward Looking Framework – Progress (JCU)







## AUSTRALIAN COASTAL RESTORATION NETWORK



600+ members  
Free to join



Department of Primary Industries  
Department of Regional NSW



National Environmental Science Program



Australasian Coastal Restoration Network (ACRN)



@AustCoastRestore

ACRN 2025 Symposium  
2 to 4 September 2025 – Canberra (CSIRO Black  
Mountain)

[coastalrestorationnetwork@gmail.com](mailto:coastalrestorationnetwork@gmail.com)



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- Funding from the Australian Government via the National Environmental Science Program Marine and Coastal Hub
- Individuals and organisations who have engaged with us to date (via interviews, surveys, meetings, etc)





National Environmental Science Program

# Thank you

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