SA COASTAL COUNCILS ALLIANCE
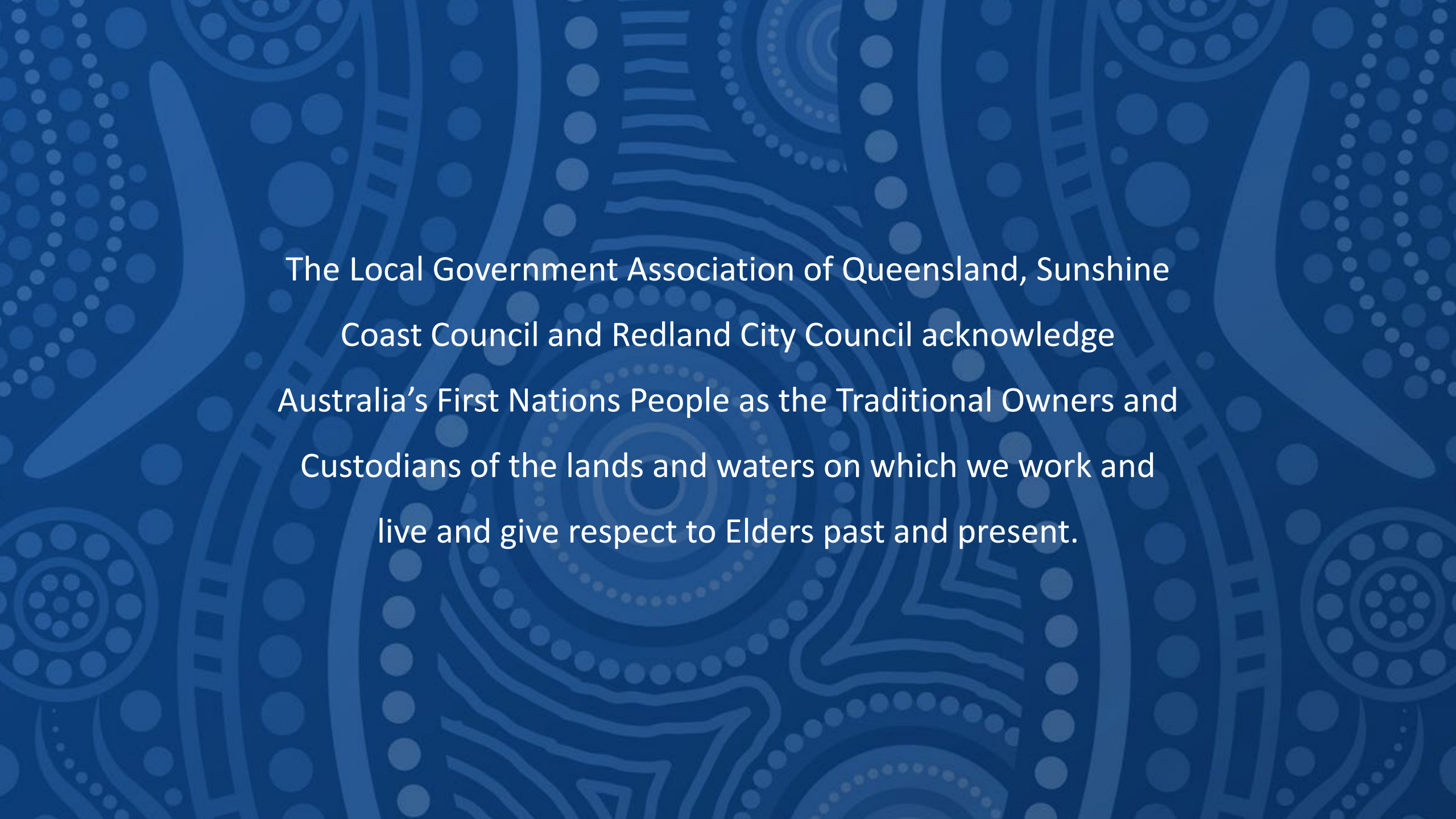# 2025 Coastal Forum & Jetties Summit

QCoast$_{2100}$ – Learnings from Queensland coastal hazard planning

Emma Schofield
QCoast$_{2100}$ Program Manager

www.qcoast2100.com.au

The Local Government Association of Queensland, Sunshine Coast Council and Redland City Council acknowledge Australia's First Nations People as the Traditional Owners and Custodians of the lands and waters on which we work and live and give respect to Elders past and present.

QLD Government committed to addressing climate change

➢ **Queensland State Planning Policy** recognises that mitigating and adapting to climate change is an important consideration for planning at all levels

➢ The State interest for **natural hazards risk and resilience** – storm tide inundation and coastal erosion risk must be integrated into planning and development outcomes decisions e.g. planning schemes, DA's

➢ Climate change is built into the definition of coastal hazards including **sea level rise of 0.8m by 2100**

➢ Policy requires a fit for purpose **identification** of coastal hazard areas and a **risk assessment** to identify an acceptable or tolerable level of risk.

➢ Allocation of **$26.2M** through the **QCoast2100 Program** for coastal hazard adaptation planning and works by **local government**

Department of Infrastructure, Local Government and Planning

July 2017

State
Planning
Policy

Queensland Government

LGAQ   Queensland Government

What is QCoast$_{2100}$?

Queensland government funding program delivered by the LGAQ designed to:

➢ **Assist** 41 local governments to understand their coastal hazard risks by developing a coastal hazard adaptation strategy

➢ **Allow** local government the freedom to tailor the strategy to the specific needs of its communities

➢ **Provide** ongoing support and guidance

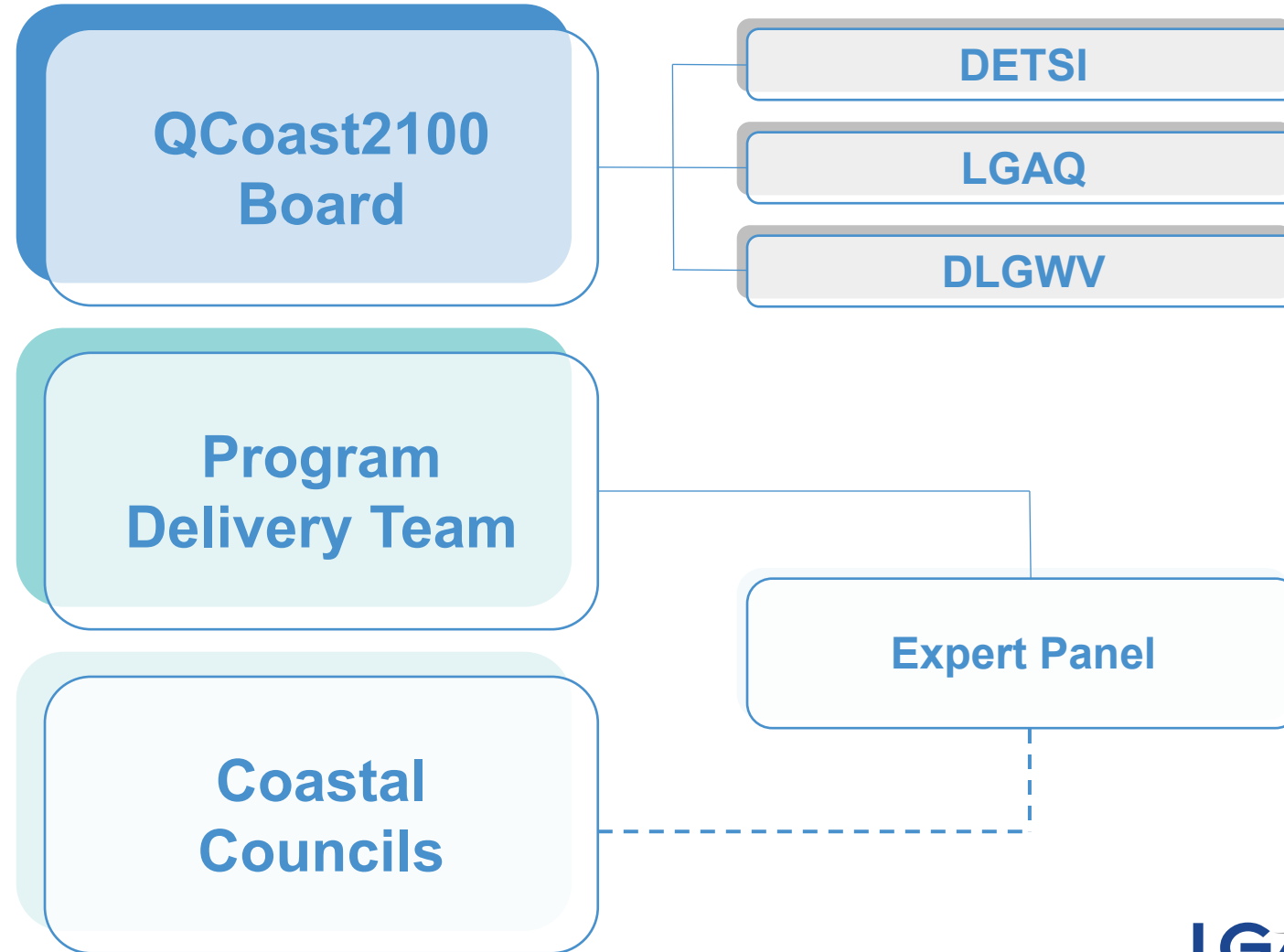➢ **Support** implementation of works and actions identified in their CHAS

Coastal Hazard Adaptation Strategy
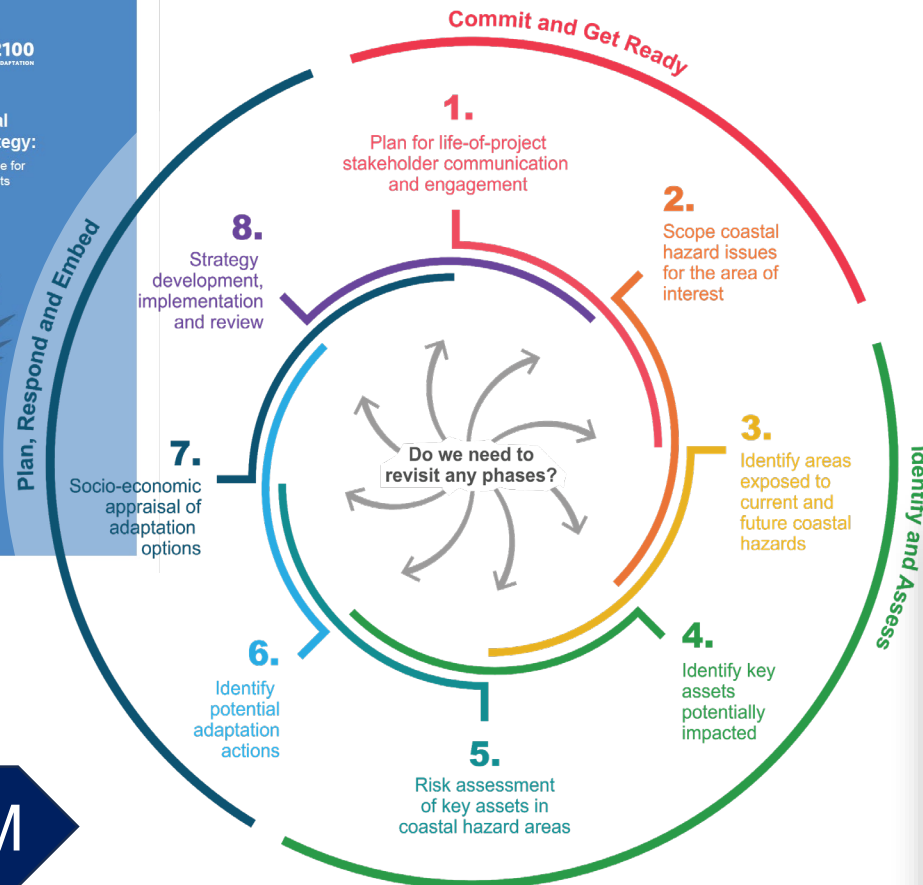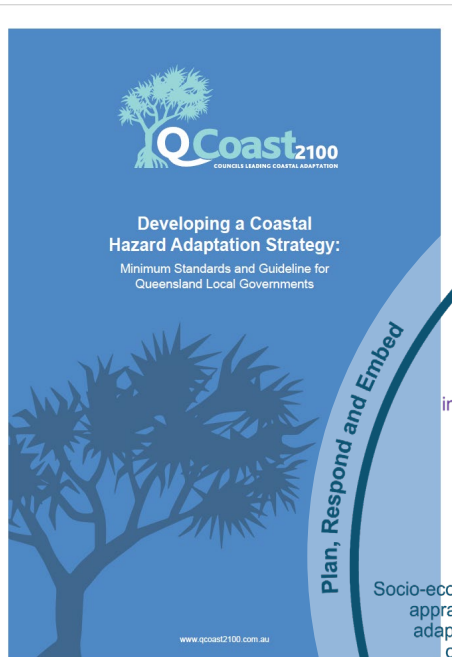

QCoast2100
COUNCILS LEADING COASTAL ADAPTATION

Developing a Coastal Hazard Adaptation Strategy:
Minimum Standards and Guideline for Queensland Local Governments

www.qcoast2100.com.au

$13.234M

Commit and Get Ready

1. Plan for life-of-project stakeholder communication and engagement

2. Scope coastal hazard issues for the area of interest

3. Identify areas exposed to current and future coastal hazards

4. Identify key assets potentially impacted

5. Risk assessment of key assets in coastal hazard areas

6. Identify potential adaptation actions

7. Socio-economic appraisal of adaptation options

8. Strategy development, implementation and review

Plan, Respond and Embed

Identify and Assess

Do we need to revisit any phases?

Coastal Hazards

Sea level rise	Coastal erosion	Storm tide inundation

Final Coastal Hazard Adaptation Strategies
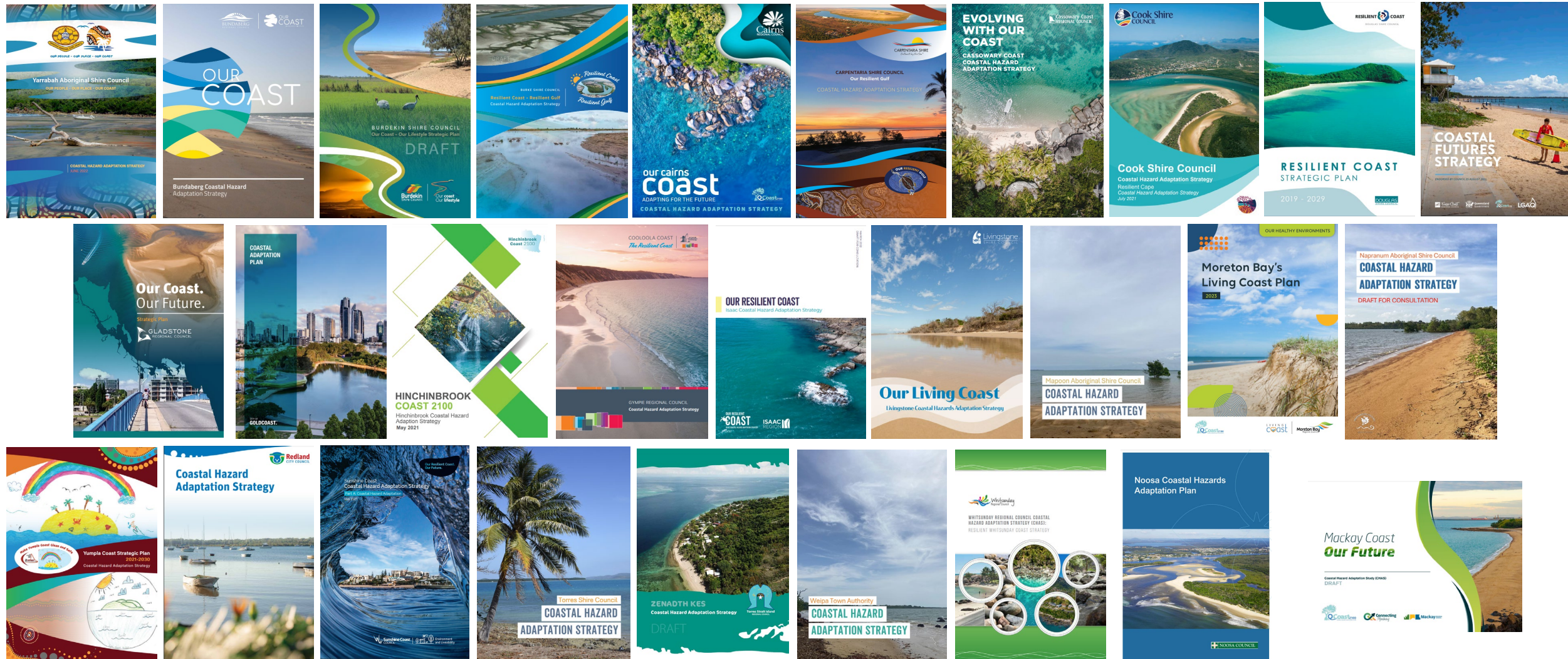
Carpentaria – the power of a CHAS

CARPENTARIA SHIRE
Outback by the Sea®

CARPENTARIA SHIRE COUNCIL
Our Resilient Gulf

COASTAL HAZARD ADAPTATION STRATEGY
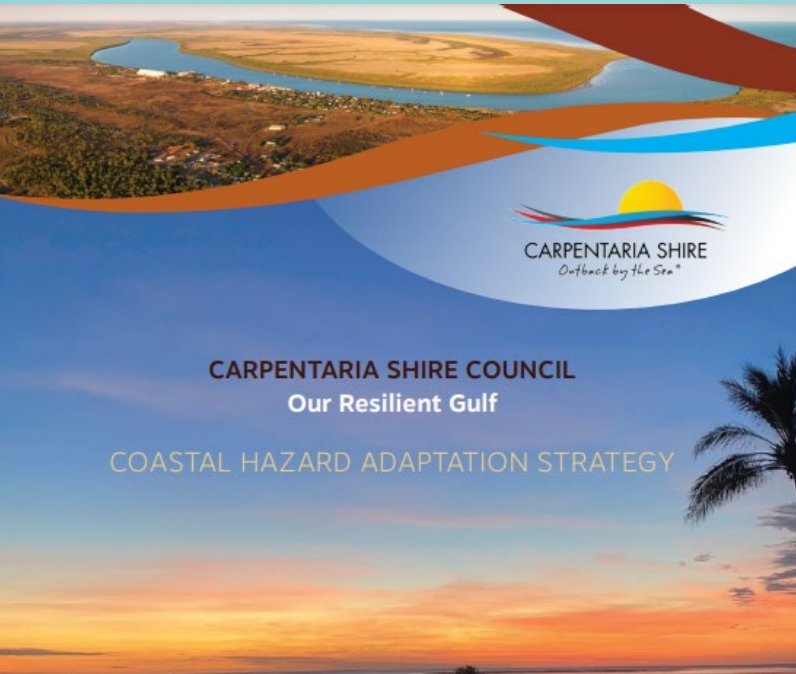
Program	Source	Activity	Funding
QRRRF	State and Fed. Government	"Karumba Point Shoreline Protection and Revitalisation Project"	$500,000
QRRRF	State and Fed. Government	"Karumba Shoreline Protection & Revitalisation Beach Sand Retention Project "	$1,265,000
PAC – Local Stream	Federal Government	Construction of revetment wall	$1,400,000
LRCIP Phase 3	Federal Government	Local Road and Community Infrastructure Program	$1000,000

The locals and tourists love the pathway at the top so they can easily access the rock groyne. It was very popular with the recreational fishermen as well. The footpath at the top of the revetment wall gave access where there was none before due to existing erosion along the fence line. Now they can all walk along the foreshore watching the sunsets. – Michael Wanrooy, Director of Engineering

First Nations Coastal Hazard Studies

- Alternative delivery

- Fully funded | Consultant led (Alluvium)

- On-country engagement

- **Asset Exposure & Recommendations Report**

- Extensive asset database | GIS web portal

Next step: Reassessment of declared Erosion Prone Areas

# First Nations Coastal Hazard Studies

Post-CHAS Actions

➢ Guide Planning Scheme amendments

➢ Update State declared Erosion Prone Areas

➢ Guide council business decisions

➢ Prioritise on-ground projects

➢ Support applications for funding opportunities

➢ Increase resilience to coastal hazard impacts by supporting on-ground works

Implementation – new funding rounds

$3M → $4M → $6M

12 councils	9 councils	15 councils	Nature based Solutions
17 projects	10 projects	15 projects	Coastal & Foreshore Management
			Monitoring & Engagement

Implementation Projects
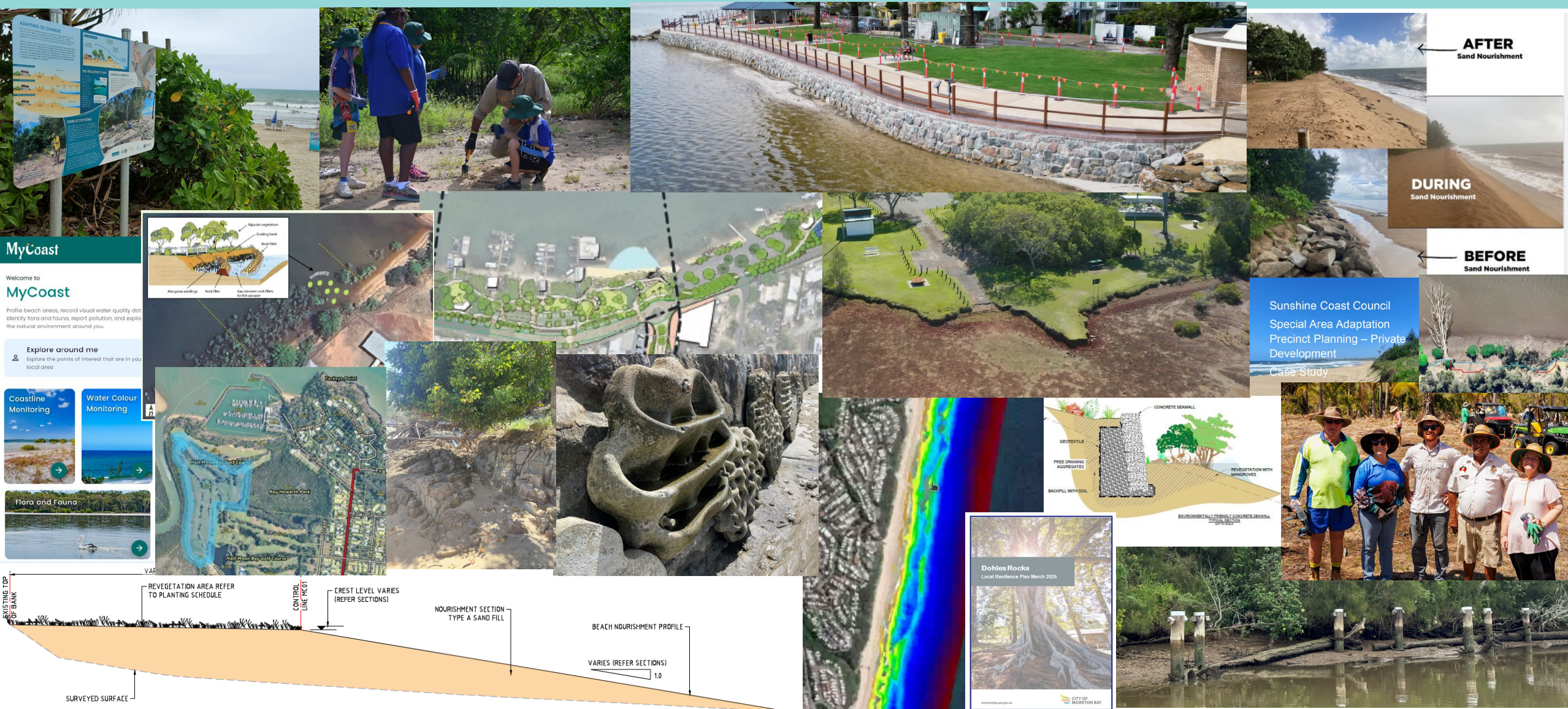
What did the councils think…the good

➤ **Enabled strategic long-term vision for adaptation**

➤ **Increased strategic planning for coastal hazards**

➤ **Better understanding of community coastal values**

➤ **Development of technical products**

➤ **Helped inform financial planning and asset management, which supports councils to prioritise expenditure**

➤ **Advanced place-based adaptation pathways approach**

What did the councils think...the bad

➢ **Because this was a new process; councils, consultants and Program management team were on a learning curve – there were failures!!**

➢ **Lack of internal expertise and resources**

➢ **Staff turnover over during the life of the CHAS**

➢ **(A small number) Engaged consultants were below par, others were learning on the go**

➢ **Inconsistency of quality and content of the data from consultants between projects**

What did the councils think…the ugly

➢ **More complex than anticipated**

➢ **Length of time**

➢ **Community and stakeholder engagement**

➢ **Council vs community view**

➢ **Difficult to get a Statewide product based on the inconsistent data sets**

➢ **The lack of good quality data for some areas hindered accurate hazard mapping and risk assessments.**

➢ **(Uncertainty) Money, money, money…..!**

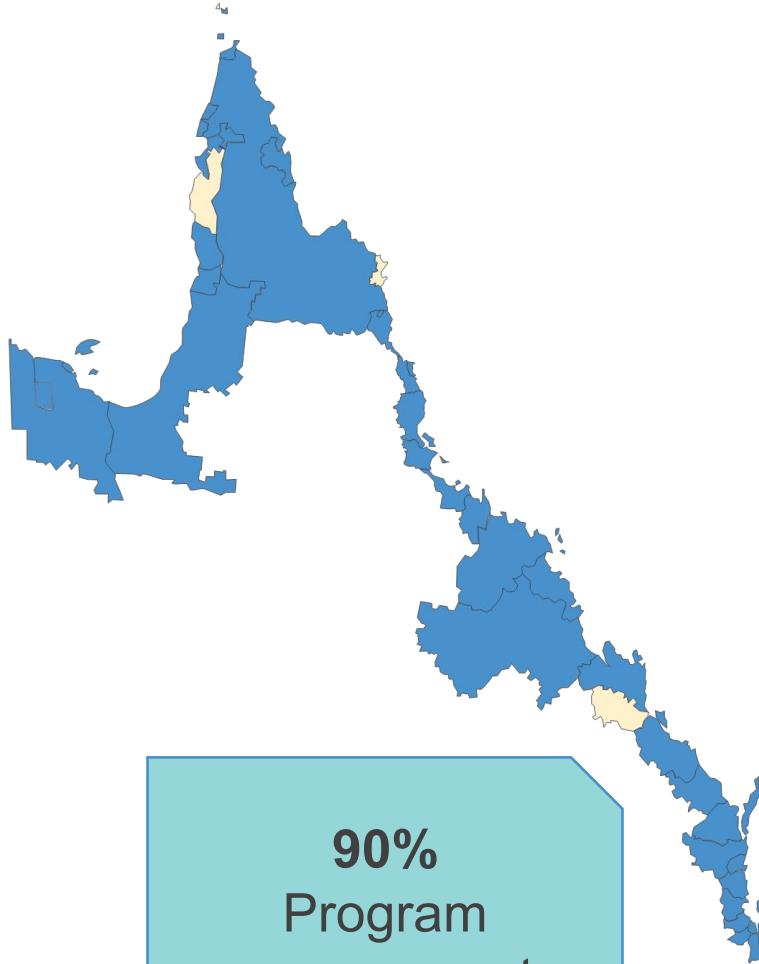# What makes QCoast2100 different?

Strong partnership between State and Local Government

Prioritise knowledge sharing engagement | case studies

Access to Expert Panel

Bespoke support for First Nations councils

Equitable funding model

90% Program engagement

Ongoing funding

Focused funding rounds

Set councils up for successful funding applications

Robust governance model

Continued support and guidance

Thank you

QCoast2100
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LGAQ

Queensland Government