



National Climate Change Adaptation Research Facility



**Australian Government** 

**Department of the Environment** 

## Agenda

- NCCARF Phase 2
- Stakeholder engagement
- Current thinking on Coastal Tool
- Synthesis of existing information.

### **NCCARF Phase 2**

- Developing a Coastal Climate Risk
  Management Tool/Framework to guide local and state governments and other organisations make better decisions about managing risks from coastal climate change.
- Four adaptation Networks
- Synthesise information from Phase 1.

#### The Coastal Climate Risk Management Tool

- existing knowledge and some targeted new analysis.
- assist coastal decision makers understand future climate risks and providing practical guidance on how to manage associated physical, social and economic risks.
  - be voluntary in application
  - demonstrate leading practice
  - develop 'rule of thumb' approaches where possible
  - Consider natural and built assets.

- Primary stakeholders are local and state government decision makers
- Must also be useful for other coastal decision makers e.g. natural resource management groups and coastal infrastructure operators.
- national in scope, recognises variations in climate, and regulatory and planning systems

# Continual Stakeholder engagement is essential for success

- Face to face consultation with >350 people in each State and Territory
- On-line survey (299 respondents)
- Presentations and updates around the country when possible.
- Regular newsletters and updates

## Challenges for coastal decision makers

(stakeholder workshops and online survey)

- Lack of integrated planning
- Communication and alignment (within and between organisations, and the community)
- Lack of awareness/understanding of important concepts (eg pathways, planning for multiple climate futures)
- Lack of long-term planning decisions
- Too much/not enough data/information. What can we trust, where do we get it?

## Design and Delivery

#### The Tool should:

- Align with activities by other groups, principally state government;
- Be flexible, recognising different levels of starting knowledge and different knowledge requirements;
- Provide accessible, straightforward delivery of reliable information;
- It should support adaptation <u>action</u>;
- It should have multiple entry points providing access to:
  - Information for senior management and executives;
  - Information for communities;
  - Detailed information and guidance for coastal decisions makers including council officers;
- It should not make work.

#### Content

- A data portal, including data integration and visualisation, and advice on quality and use
- Providing advice, support and guidance on the process of risk assessment and decision-making under climate change and SLR including:
  - Scenarios and decision-making under uncertainty
  - Management options (retreat, accommodate; defend)
  - Methodologies of impact and risk assessment
  - Legal aspects of adaptation; planning and building regulations; role of insurance
  - Costs and valuation including valuing ecosystem goods and services; financing
  - Building a business case for adaptation

## Communication and learning

- Provide frameworks for peer-to-peer learning and advice through:
  - On-line forums to support communities of practice;
  - Case studies of good practice (and what didn't work) accompanied by short videos by people with practical experience of adaptation;
  - Panel of independent experts.
- Provide guidance on community engagement and consultation.
- Review national and international adaptation activity

## A little bit about the info: Managing information -two levels of detail

**Skimmers.** General, but area specific (where possible) information about issues and risks associated with climate change. (eg Councilors, general public).

(Want to know more detail about this subject?)

(Want to know other information related to this?)

(What are next steps in the process?)



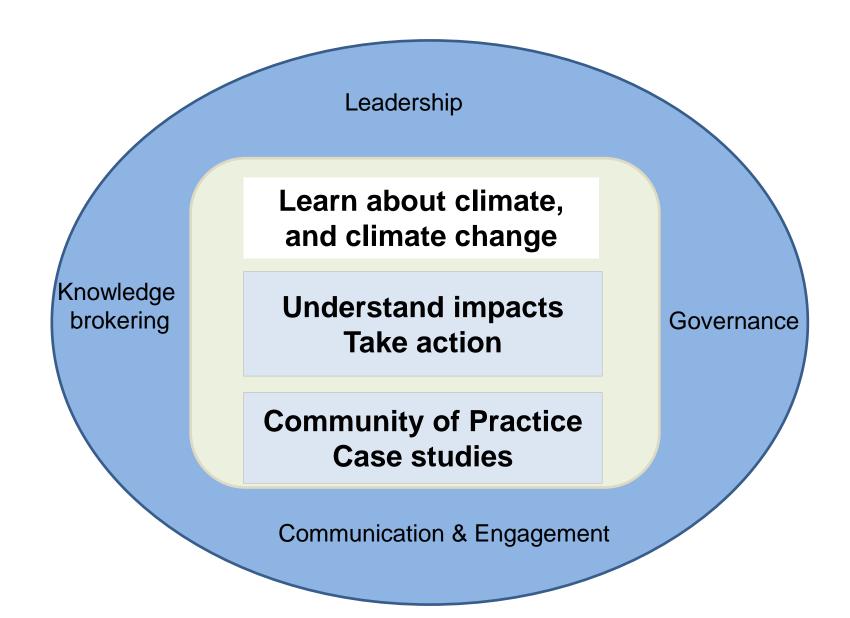
**Divers.** Detailed for technical staff who need support, data, tools and guidance relevant to their technical interests and needs. (eg Council Planners, Environmental Officers, Engineers).

(want to simplify this information?)

(Want to know other information related to this?)

(What are the next steps in the process?)

#### Helping adaptation to happen....



## Next steps

- Continue stakeholder engagement
- Call for Tool Development Partners (26 June 2015)
- Call for case studies (4 September 2015).

## Next steps

- Development Plan for Coastal Tool 1 July 2015
- Draft coastal climate risk management tool/framework for consultation 1 July 2016
- Endorsed and operational final coastal climate risk management tool/framework 28 February 2017

## Thank you for your time.

nccarf.edu.au d.rissik@griffith.edu.au