

Stakeholders should come first: delivering effective adaptation tools with comprehensive engagement

**Dave Rissik, Jean Palutikof, Sarah Boulter, Steve Webb, Fahim Tonmoy,
Anne Leitch, Ana Perez Vidaurra**

National Climate Change Adaptation Research Facility



- Many tools (varying levels of uptake)
- Process for development of tools is often top down, with limited input from users in the conception and design.
- Many tools are rigorous and well conceived, published in great journals, but pitching at a level well above the capacity of the users.
- Funding models provide limited support beyond development

- Need for tools to be demand driven
- Rigorously tested at all stages of development and to be produced in a way that enables the capacity of the tool to be increased as the capacity of the users increases.

CoastAdapt

- To build a Tool/Framework that will provide coastal managers, especially in local councils, with support and knowledge to take action to adapt to climate change and sea-level rise



Challenge



Dundas Shire
Population 1182
Area 93,179 km²



Brisbane
Population 2,238,394
Area 15,826 km²

Netherlands is 41,543 km²

Demand driven: understanding user needs through consultation

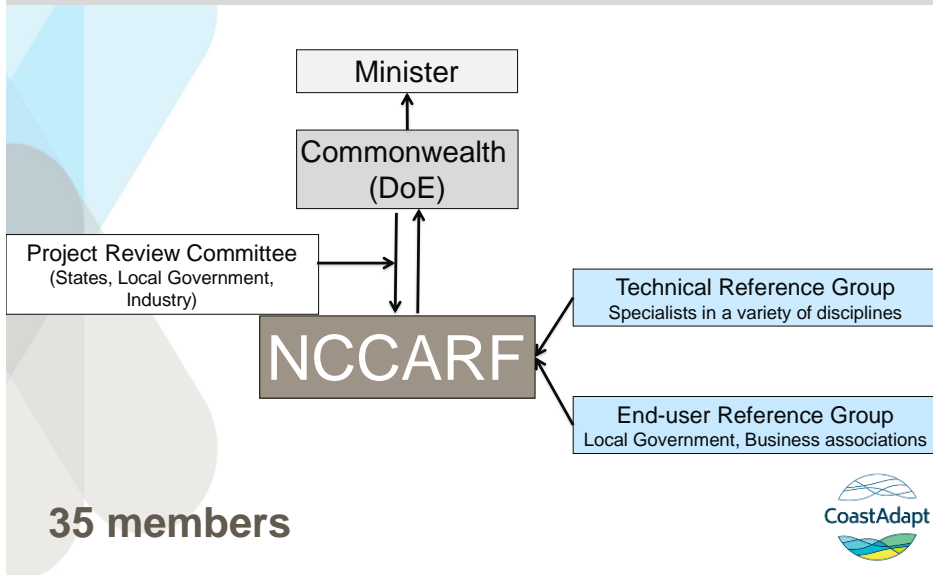
- 700 stakeholders around Australia (all states and territories)
 - 400 face to face (3-5 hour workshops)
 - 300 online survey



- Broad ranging
 - Government (Local, State, Commonwealth)
 - Business and Industry
 - NRM
 - Community groups
 - Academics



CoastAdapt project Governance



What users told us? 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 action;
- 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.



What users told us? Content

- A data portal, including data integration and visualization, and advice on data 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



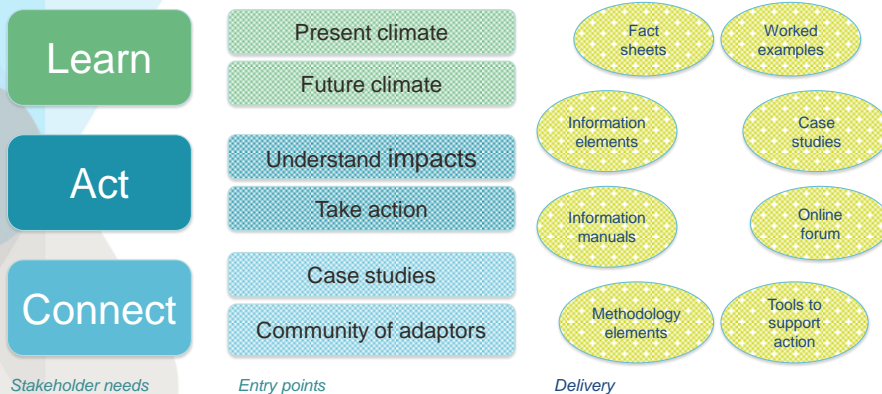
What users told us?

Communication and learning

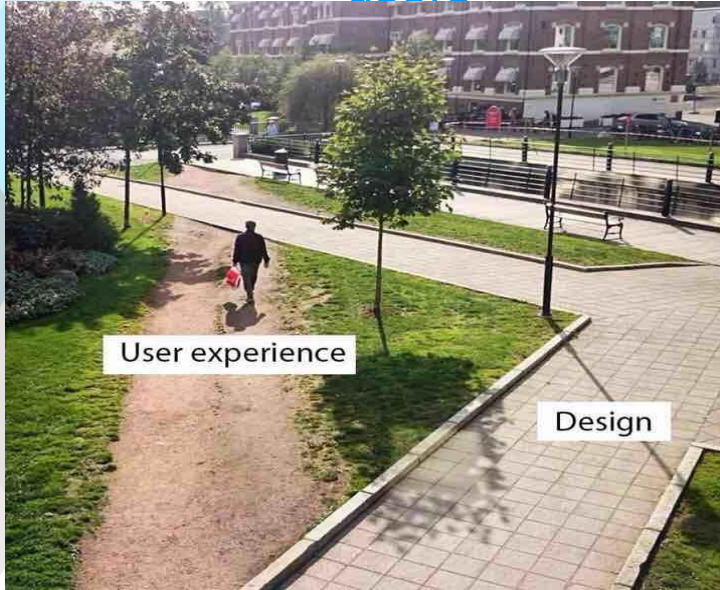
- Provide a platform for peer-to-peer learning and advice through:
 - On-line forums to support communities of practice;
 - Case studies of good practice (and what didn't work) accompanied by short videos by people with practical experience of adaptation;
 - Panel of independent experts.
- Provide guidance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



CoastAdapt - Overview



Getting the tool right for a variety of users

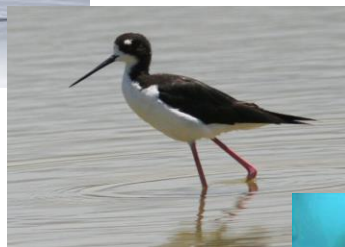


Content

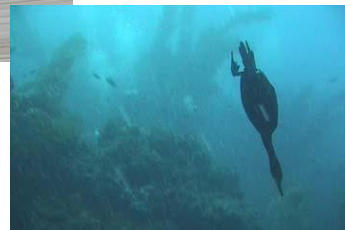
skimmer

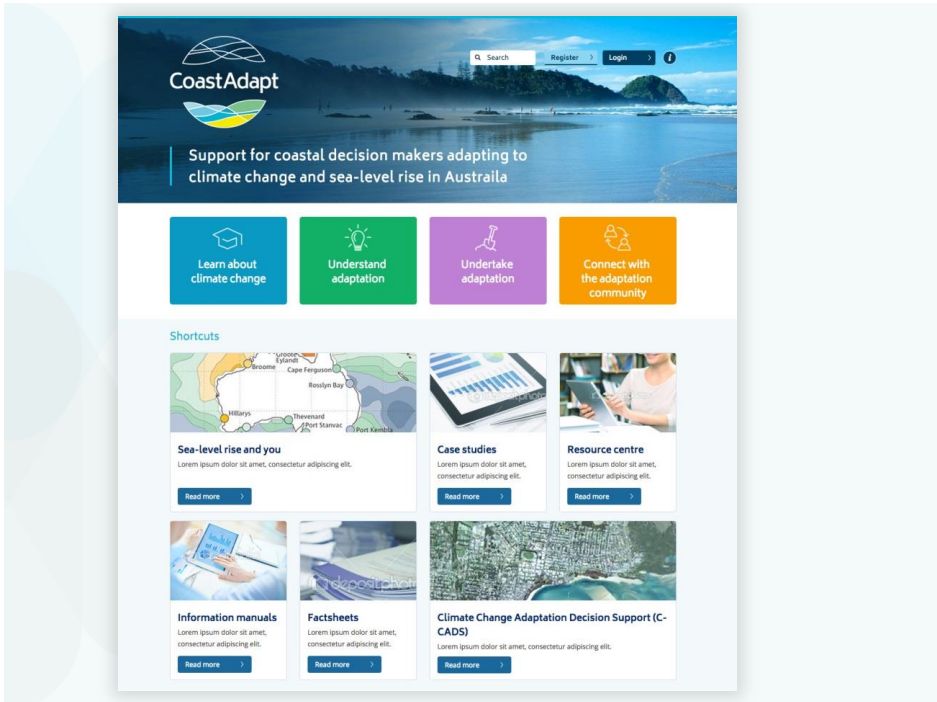


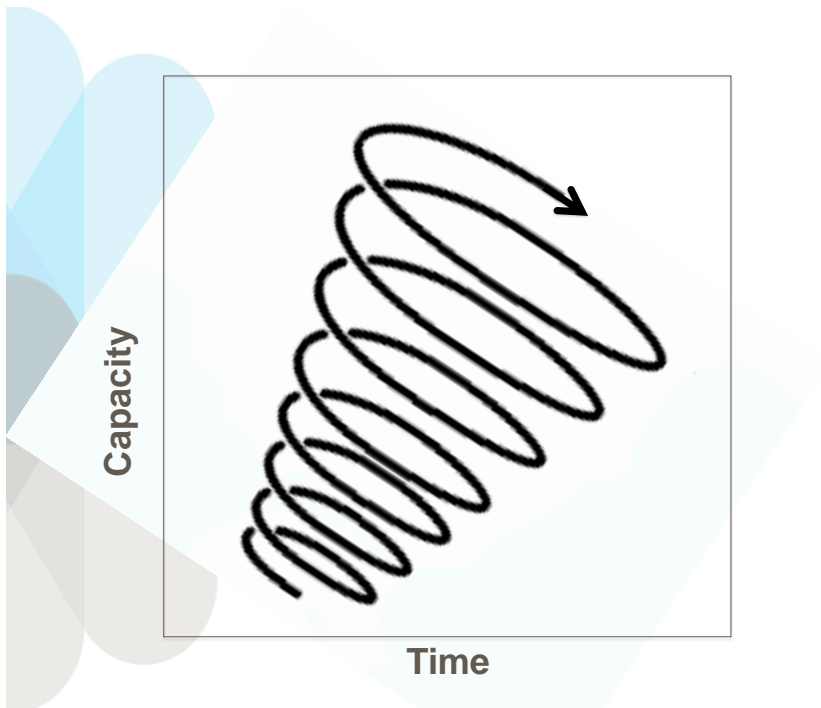
wader



diver







Summary

- Engage
 - User consultation
 - User review groups throughout
 - Tool development partners
 - User experience testing
- Grow with your users
- Recognise their needs and capacity
- One size does not fit all.

Next Steps

- Beta version August 2016
- Final version release on the 28th February 2017



D.rissik@griffith.edu.au

www.nccarf.edu.au

Thankyou

