

National Adaptation Forum

Resilient Asset Management Project (RAMP)

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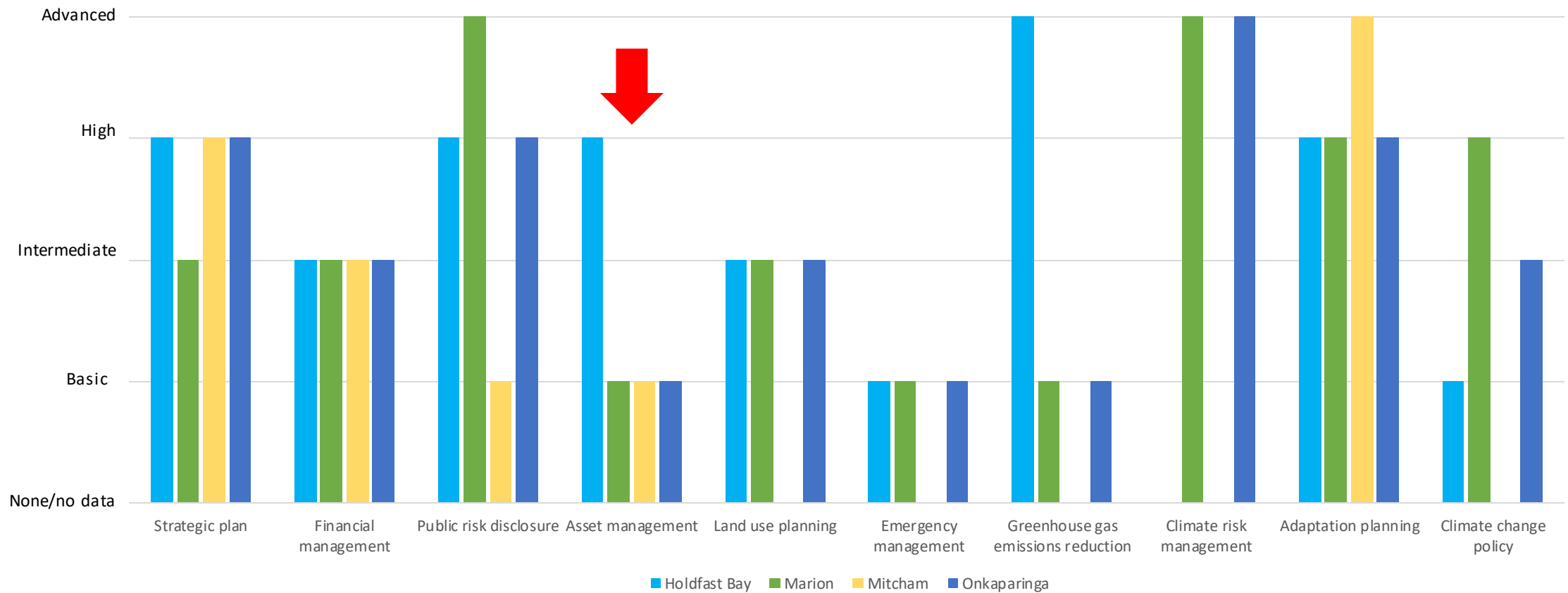
Resilient South



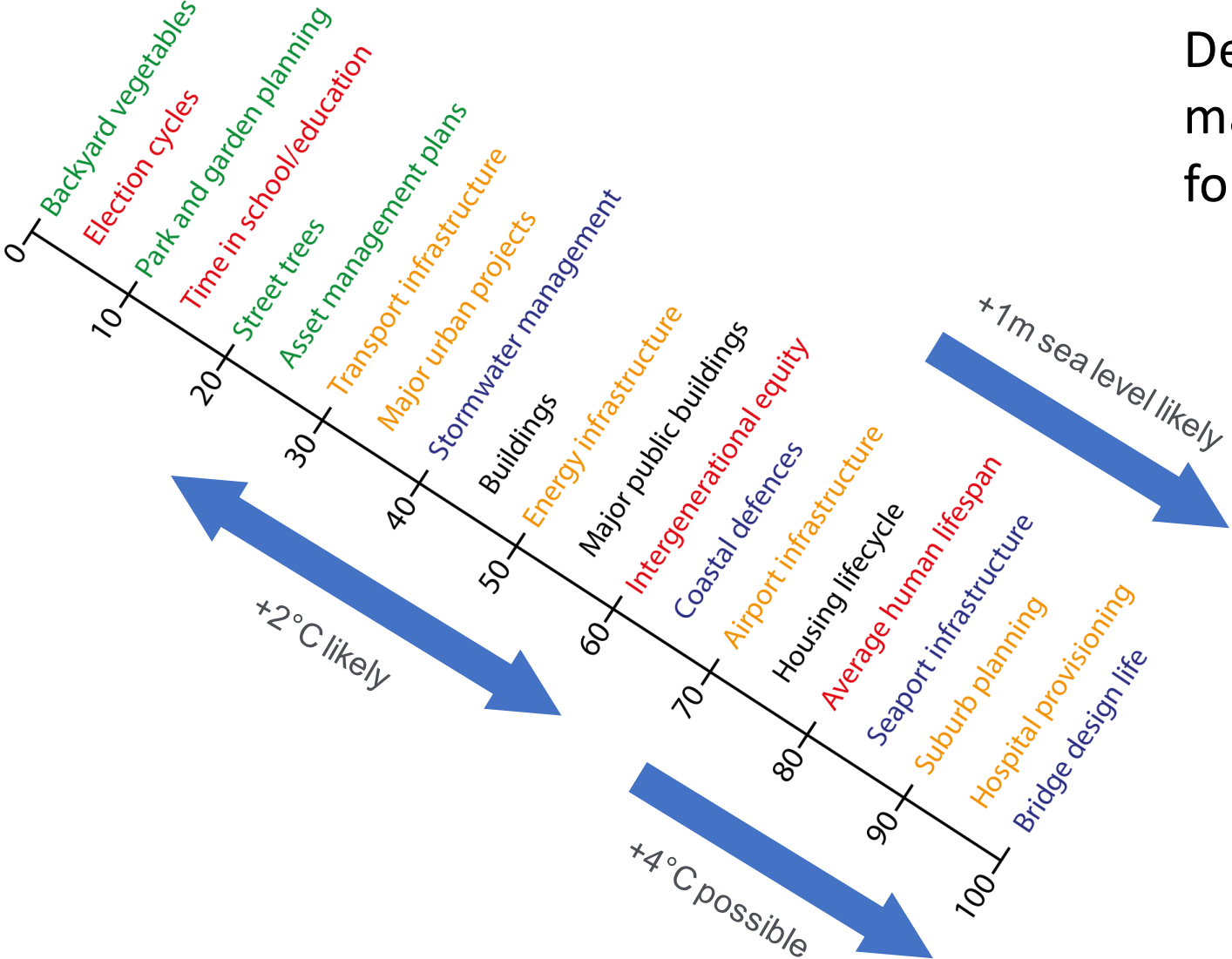
- Partners since 2011
- Led, supported and partnered numerous projects across the region
- Climate risk governance assessments identified gaps in asset management
- \$5.3 billion worth of local government assets in region



Climate risk governance assessments



Decision lifetimes



Decisions infrastructure planners make today need to account for how long their effects will be felt



Stafford Smith *et al.* 2011 (after Jones & McInnes 2004)
 *stolen from Mark Siebentritt

Resilient Asset Management Project

- Assets need to be resilient to climate change and are a key contributor to regional resilience
- Initiated to investigate and develop an approach to
 - Understand the physical and non-physical risks to assets from climate change
 - Identify options to manage these risks
 - Identify options to fund these options and provide support for resilience investment
- Financial support from Resilient South councils, CSIRO, the LGA SA Research and Development Scheme, and the Disaster Risk Reduction Grants Program funded by the Australian Government and the South Australian Government (more partners)



Australian Government



RAMP Objectives

- Recognise how asset management decisions can either build or decrease regional resilience
- Quantify the magnitude of climate change risks to selected asset classes and the functions they provide
- Identify risk mitigation options
 - Should we build the thing?
 - How can we build the thing to give us the flexibility we might need in the future?
 - How can we make existing things less vulnerable?
- Share outcomes with other councils to lift standards for asset management across local government.



RAMP Approach

Ongoing communication and engagement

Phase One

- Research and recommendations
- Confirm approach to assess and address risk and fund resilience investment

Phase Two

- Document approach and tender for Delivery Partner

Phase Three

- Pilot project to assess and address risk and fund resilience

Phase Four

- Share learnings from pilot project
 - Case study
 - Reporting or training
 - Engagement

Phase Five

- Evaluation of RAMP



Key messages from Phase 1

- Impacts of climate change are felt locally
- Costs to council are increasing
- Asset management is complex
- Lots of talk about climate change and assets
- Less action on climate change and assets
- Change requires personal, cultural and structural change
- Need evidence to leverage funding



RAMP pilot project

- **Phase one: scoping and visioning**
 - Communicate the project scope and agree on a vision for a resilient future, develop scenarios
- **Phase two: assess asset risk and vulnerability**
 - Assess the risk and vulnerability of council built and natural assets to climate change.
- **Phase three: identify and assess options to address risks and opportunities**
 - Identify and assess options to address identified risks and prepare an Asset Resilience Action Plan for each council and the region.
- **Phase four: support for resilience investment**
 - Develop information for each council that will support resilience investment.



RAMP Pilot selected asset classes



Roads



Open space and coastal



Bridges



Major buildings



Stormwater



RAMP pilot partners

- Council staff and Elected Members
 - Assets and infrastructure, open space, planning, public health, finance, risk, corporate services, emergency management, procurement, community services
- Project reference group
 - Department for Environment and Water, Department for Infrastructure and Transport, Planning and Land Use Services, Infrastructure SA, LGA, insurance (ICA and MLS), other councils (observers and advisors), researchers (Adelaide University, CSIRO, University of Auckland), professional associations (IPWEA)



RAMP next steps

- Work with our partners on the pilot project
- Continue to share progress and what we are learning

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Australian Government

