

# Benchmarking government adaptation progress: identifying barriers and enablers

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#### **NSW Context**



- Population: 7.5 Million (23 Million Australia)
- Area: 800,000 sq km
- GDP: A\$490B (30%)
- Largest Australian city Sydney accounts for 25% of Australia's GDP.
- Industry dominated by Services sector (83% of GDP)
- Government Assets A\$280B



#### What we set out to achieve

Drive improvements in climate preparedness and practice by:

- a) Establishing the current state of Government agency preparedness
- b) Evaluating current practice against good practice
- Understanding the organisational capacity of government agencies to manage climate change risks
- d) Understanding the barriers and enablers active within and across government agencies
- Using the above information to develop a program tailored to our context that will drive any necessary improvements in practice and preparedness





#### How we did it

- Within the context of government service delivery we reviewed international literature on:
  - Good Climate Change Risk Management practices,
  - Organisational capacity
  - Barriers and enablers
- Incorporated the above into a survey to be completed by government agencies
- Further investigated barriers and enablers through a workshop with agencies





#### The survey

- Assessed existing exposure to extreme weather related events
- Established organisational capacity across 8 attributes
- Identified progress through the adaptive management cycle
- Identified implementation of good practice (absent to comprehensive) across key aspects of the AM cycle:
  - Governance arrangements that support management of climate change risks
  - Build understanding through assessment of impact, vulnerability and risk
  - Strategies and planning for action
  - Identifying and implementing actions
  - Monitoring and evaluation of adaptation responses

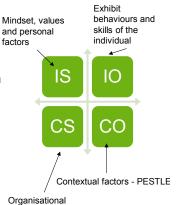


# **AdaptNSW**

#### The workshop

#### Participants:

- identified barriers and enablers active in trying to manage climate change risks
- mapped the barriers and enablers to a matrix to help establish the context they operate in
- voted on how active the barriers (and effective the enablers) are for their agency
- Mapped the barriers and enablers to the various attributes of organisational capacity

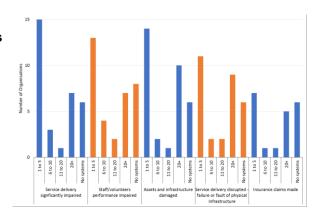


culture & norms



#### What we found - exposure

- Majority of surveyed agencies exposed – 90% affected in past 10 years
- Some greater than 20 times in past five years
- Not all agencies able to track impacts

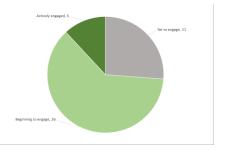






#### What we found - progress

- Some agencies are way out in front and leading their sectors
- Most agencies recognised there are risks that need to be managed

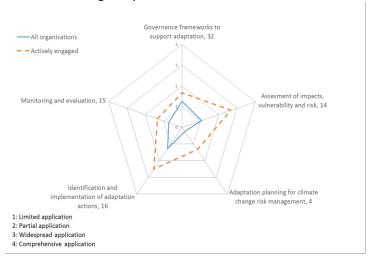


Progress through the adaptive management cycle							
Assessment (I/V/R)	Developed a Plan	Actions Identified/Implemented		Monitoring implementation	Evaluated action		
25 to 50%	<25%	25 to 50%	25 to 50%	25 to 50%	<25%		





#### What we found - good practice







#### Case studies - Sydney water - early adopter

#### Executive leadership focusing organisational capacity for adaptation

- Core skills required to address climate risk exist within the organisation.
- Active across all phases of the adaptive management cycle.
- They are recognised leaders in the adaptive management of water







#### Case studies - Sydney Trains - getting started

# A data-driven approach to inform action on climate adaptation

- An in-house champion with the capability to comprehensively assess climate risk has built the business case for action, driving leadership.
- Active in the assessment and implementation phases and are developing a plan.







#### What we found - barriers and enablers

#### Resources

Barriers (lack of)	Enablers (availability of)
Staff	Skills and technically ability
Funding	
Knowledge	
Skills	

#### Operating context

Barriers (lack of)	Enablers (availability of)
Risk awareness (internal)*	Risk assessment and management (internal)*
Stability in government organisations (external)	Executive leadership (internal)*
Strategic direction (internal/external)*	Extreme event impacts (external)*
Continuity of programs (internal/external)*	Customer/stakeholder interest (external)*
Cluster co-ordination (internal/external)*	
Prioritisation of climate change (internal/external)*	
Consistency in political settings (external)	
Whole-of-government coordination (external)*	



#### Pulling it all together

- · Recall that we want to drive improvements in preparedness and practice
- Combined these findings provide a powerful tool to help design a work program that targets action:
  - specific to where an agency is in the adaptive management cycle, and
  - to implement enablers that remove multiple barriers and unlock multiple constraints on agency capacity
- We have a baseline against which we can measure improvement and assess the effectiveness of program interventions
- We have agency snapshots that can facilitate a more in depth discussion with an agency about how they can:
  - Build their capacity,
  - Improve their practice and overall preparedness



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