

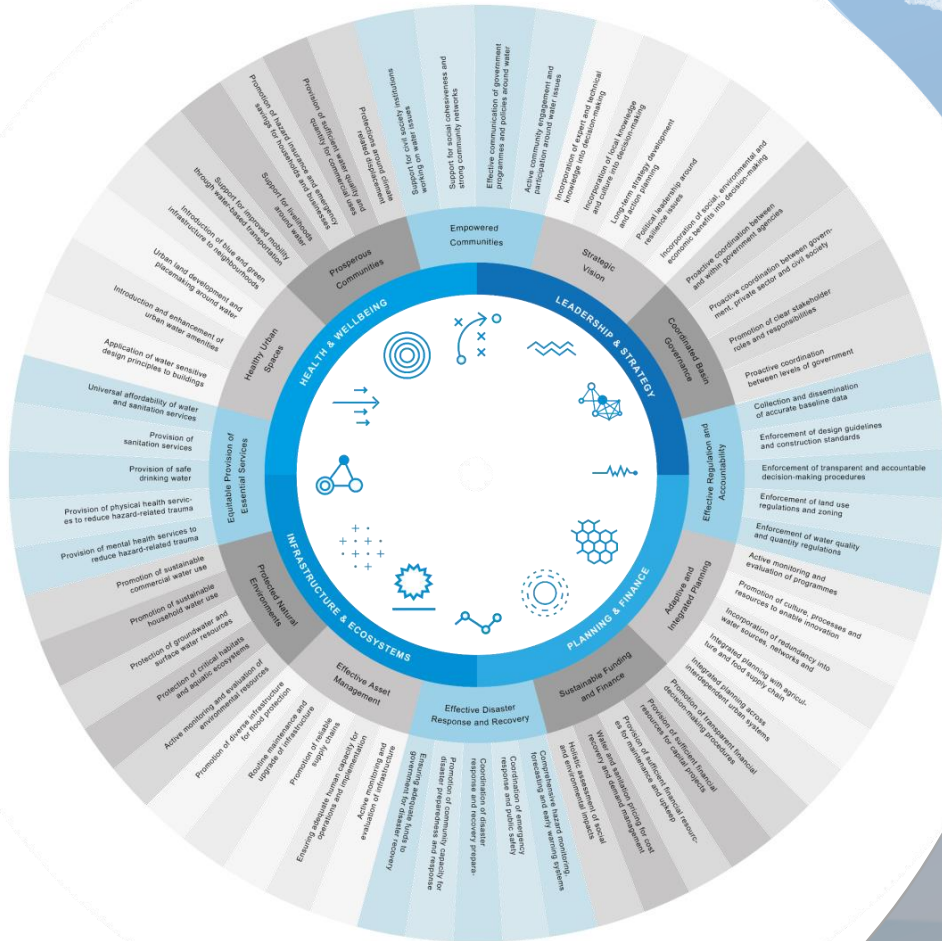


Governance for Urban Water Resilience: CWRA

Water Governance Department, SIWI
2018-11-20

The City Water Resilience Approach (CWRA)

*Urban **water resilience** is the capacity to anticipate, absorb, adapt, respond to and learn from shocks and stresses, to protect public health & wellbeing and the natural environment and minimize economic disruption (CWRP)*



CWRA will enable cities to take a **holistic view of their water systems** and inform decision-makers of a water resilience strategy to take forward.

Co-Creating the City Water Resilience Approach



Engaging with City Stakeholders

Fieldwork in eight cities with direct
engagement of more than
700 people



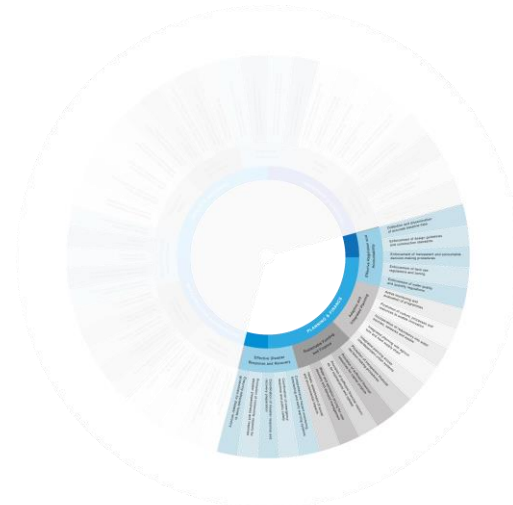
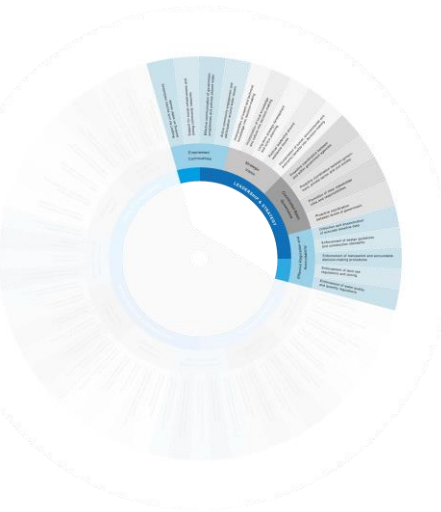
Validating Results: Global Knowledge Exchange 2018



City Water Resilience Framework: Water Governance is the key

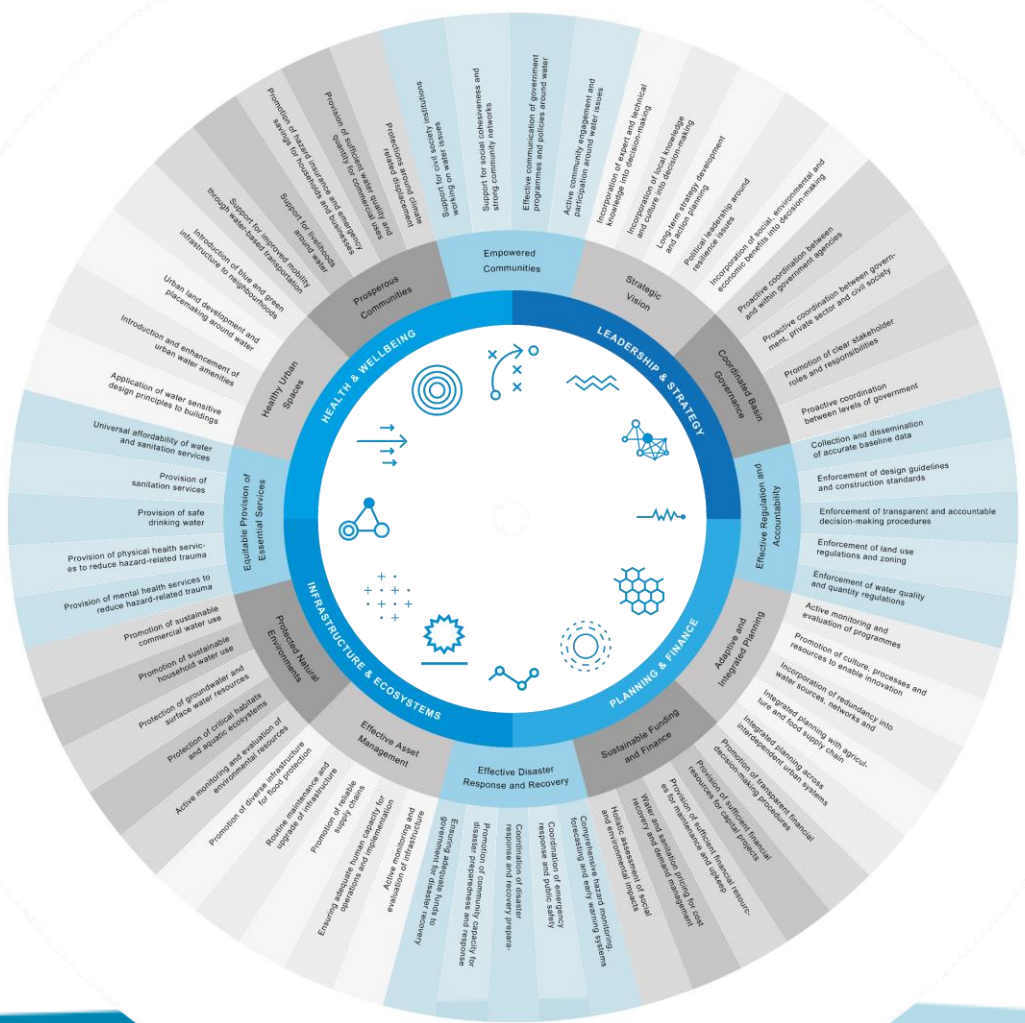
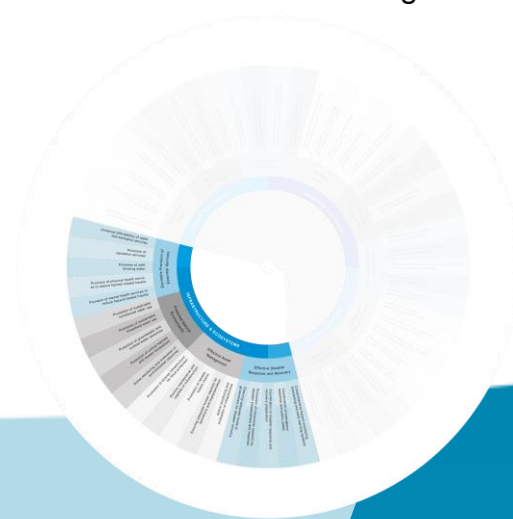
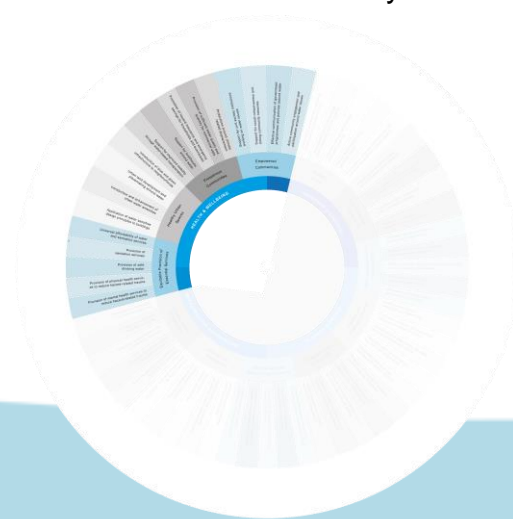
Leadership & Strategy

Planning & Finance



Infrastructure & Ecosystems

Health & Wellbeing

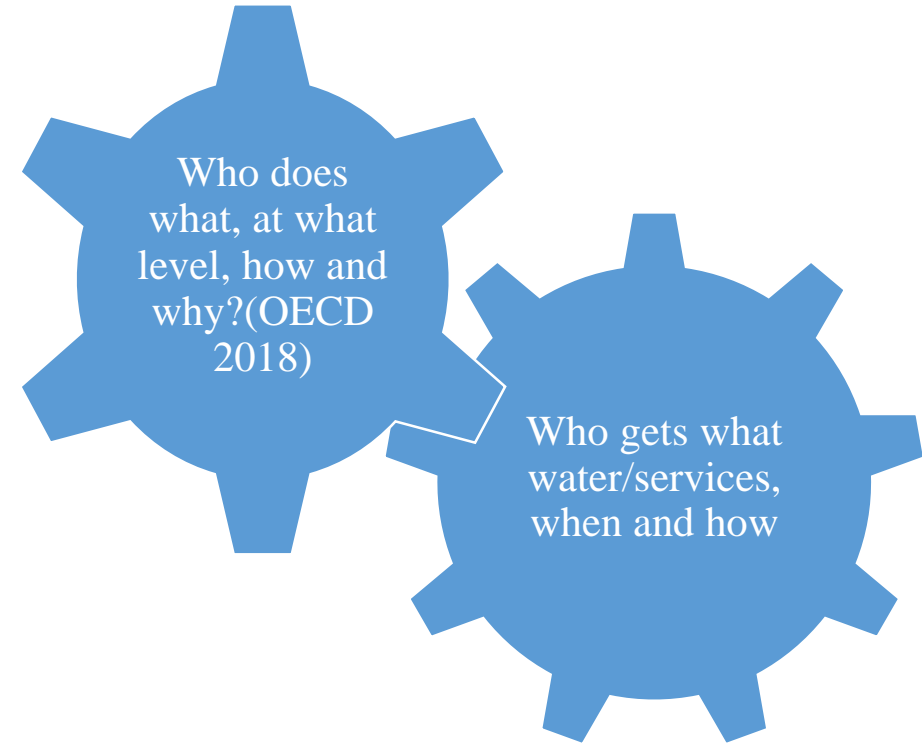


Why Governance matters?

Resilience: System's ability to **Persist, Adapt and Transform***

‘To build these resilience characteristics (persistence, adaptability and transformability), system's i.e. institutions, society and individual must be adequately prepared,

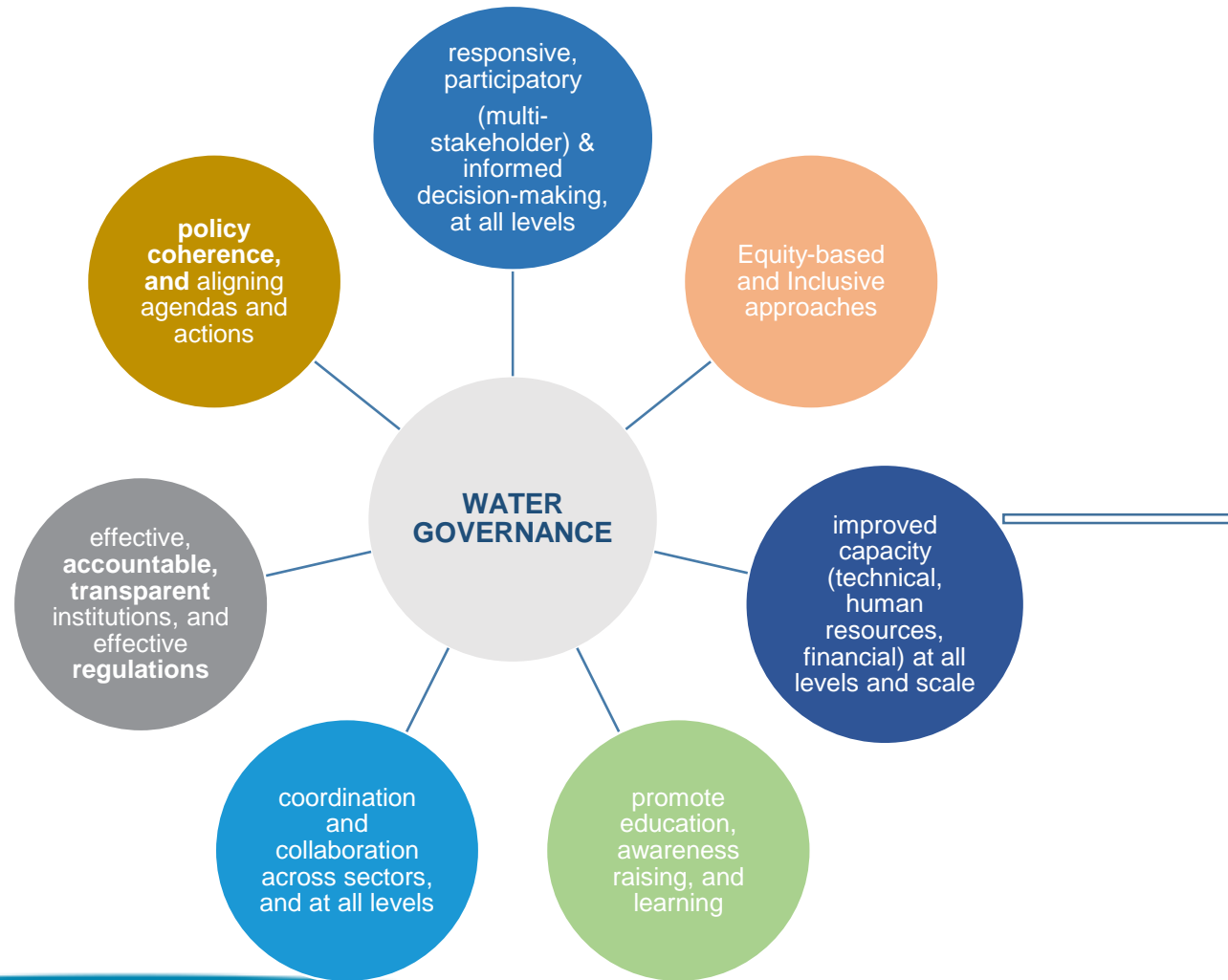
.....which is where **Governance** plays a crucial role and is the enabling factor’



Drought – Typical Governance Action Plan

Key functions	Policy responses
Preparedness	Early warning System., Drought declaration standards
Coordination	Committee/Unit to coordinate Drought Response Multi stakeholder platform dialogue for drought (to be called for when drought is declared)
Policy and Strategy	Drought Management Strategy DMS
Planning	Development of a plan
Investing	Fund allocation to continued implementation of Drought Management Strategy
Regulation	Bill/ Decree with applicable changes to standard water uses allocation in case of drought (different levels)
Capacity	Capacity building program for key staff and stakeholders
Monitoring & Learning	Regular public review effectiveness of policy responses in previous episodes
Immediate Response and post-Recovery	Immediate response and post-recovery plan, with established fundings and institutional arrangements

Governance-based solutions to make cities and their water system more resilient



Resilience Characteristics

- Reflective
- Resourceful
- Robust
- Redundant
- Flexible
- inclusive
- Integrated

A Collaborative Approach

ARUP

THE RESILIENCE SHIFT

