

Water governance as infrastructure

The critical importance of good water governance in driving investment and financial sustainability





AGENDA

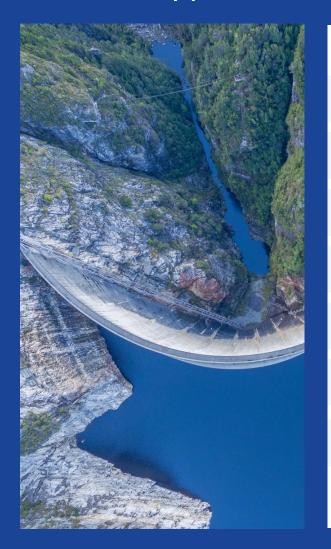
Global, regional and local water security challenge

Australia's water reform journey

Water security definition and framework

Insights from our project experience in policy and regulatory design in Asia

Ricardo supports clients across the entire water value chain



Skills and services in



Policy, strategy and governance



Asset management and operational support



Economics, regulation and pricing



Environmental and ecological assessment



Water quality and catchment management



Infrastructure design and development



Climate resilience and adaptation







Malaysia faces existential crisis, must act fast to prevent possible water supply catastrophe in coming years

Pearl Lee

13 December 2023 - 5-min read

m Malay Mail

SPAN chief rings alarm on Malaysia's water security with seven dams in critical condition due to ageing structures

SPAN chairman Charles Santiago said 16 out of 55 dams in peninsular Malaysia that are used for water consumption are more than 50 years old.

23 Oct 2023

China Daily

Water shortage threatens food security in Malaysia

The heat wave that has scorched Asia over the past few weeks has hit Malaysia hard, with a water shortage threatening national food security and hurting key...

13 Aug 2024

MALAYSIA

No water crisis in Sabah, only shortage









Much ado about Malaysia's water woes

By DATIN DARIA MATHEW and NORLAILI ISMAIL

Tuesday, 02 May 2023





MALAYSIA

Johor MB: Ranhill SAJ ordered to prepare for water shortage issue in several districts









South China Morning Post

Water, water everywhere? Not necessarily in rain-ridden Malaysia

Malaysia expert says climate change, poor management, excessive demand, subsidised bills are not helping

29 Jan 2023

Penang activates crisis plan after 7,400 homes hit by water issues

FMT Reporters - 26 Jul 2024, 01:10 PM

Abnormally low rainfall is causing lower water supply to eight areas, including George Town, Bayan Lepas and Tanjung Bungah.

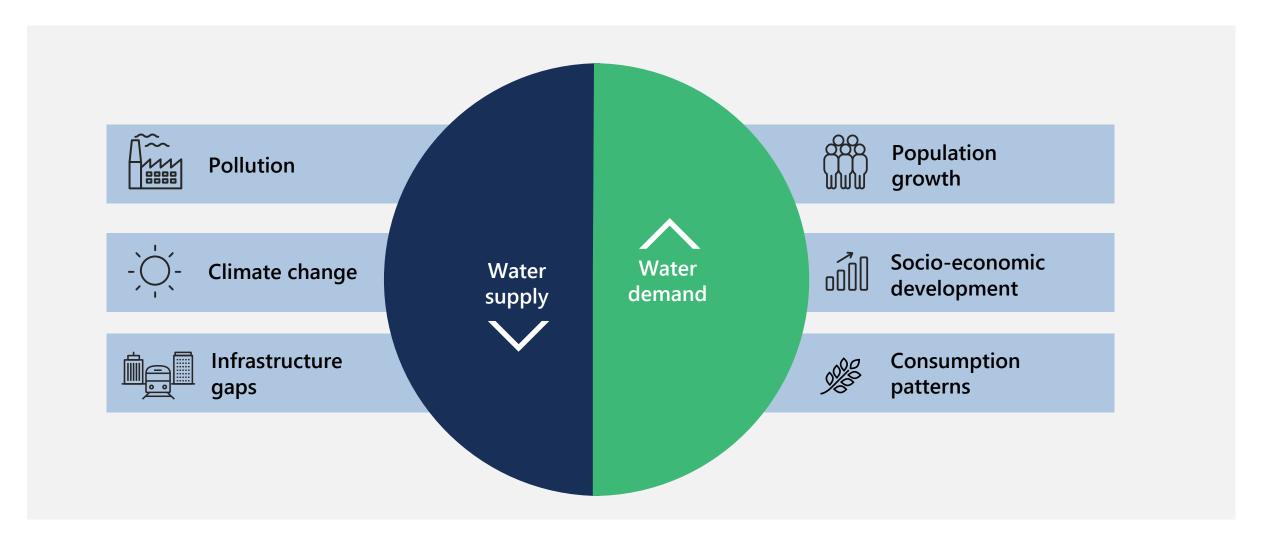
The Edge Malaysia

The State Of The Nation: Water supply imbalance among states an obstacle to development

THE water supply imbalance in Malaysia — where some states are in a dire situation while others are doing much better - exacerbates the ...

15 July 2024









Poor progress in improving and maintaining water security results from:



Unclear direction and strategy



Fragmented and complex institutional arrangements



A lack of incentives and settings for infrastructure



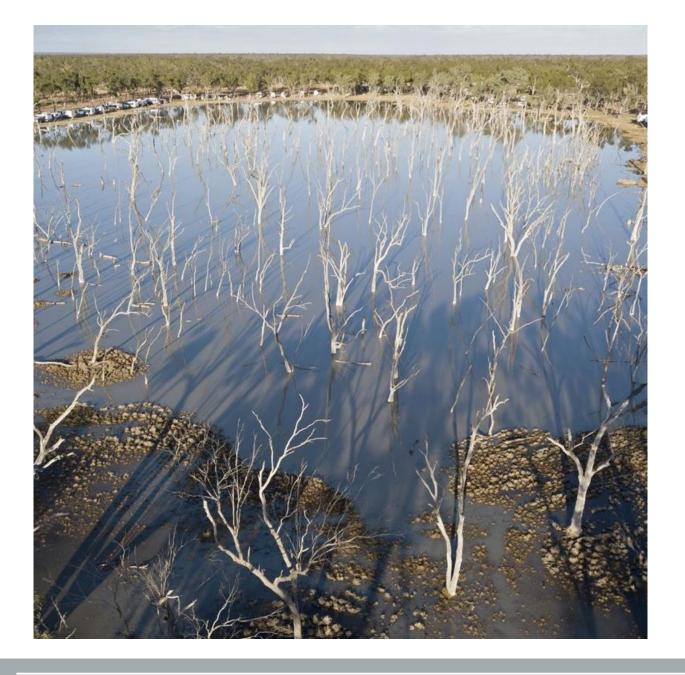






We know we need water infrastructure, but infrastructure without governance reform will fail to achieve genuine water security







Australia's experience responding to water insecurity through governance reforms and improvements to infrastructure investment and use is relevant to other countries

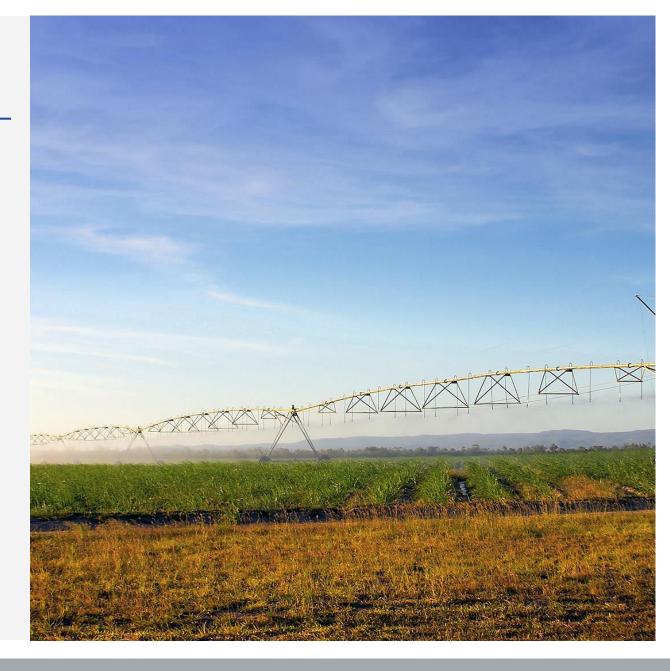


Impact of Australia's water reform journey

Improved utility performance (financial, health, environmental, customer satisfaction etc.), which is routinely benchmarked and communicated

Confidence and certainty for shareholders through clear institutional roles and responsibilities, and transparent and equitably applied regulation

Improved financial viability of service delivery through the introduction of cost reflective pricing





Key drivers of Australia's initial success



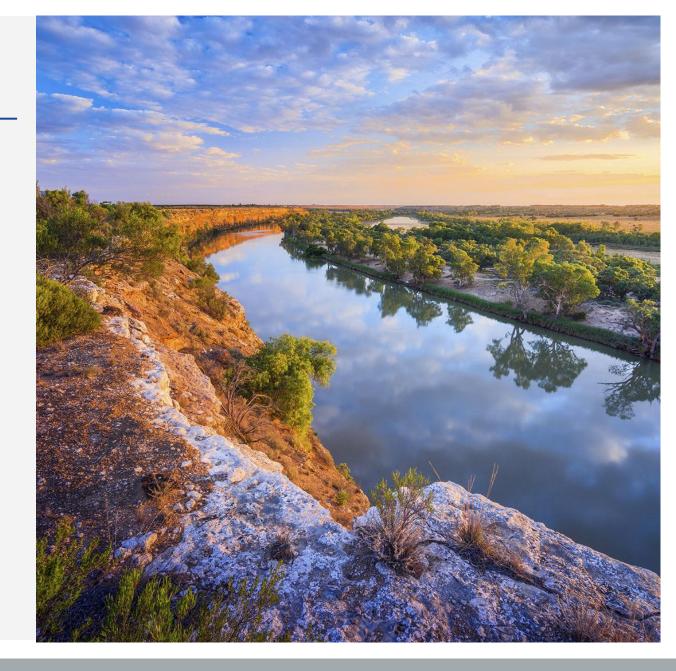
Having clear objectives and an agreed pathway, and committing to track and report on this



Recognising the interdependency between improved governance and improved infrastructure



Building capability and capacity for next generation water management





But with water security, the job is never finished...

Despite improvements, Australia needs to hold its nerve and continuously adapt to maintain water security.

A clear and agreed definition of water security and diagnostic tool for assessing water security at the city level was needed to:



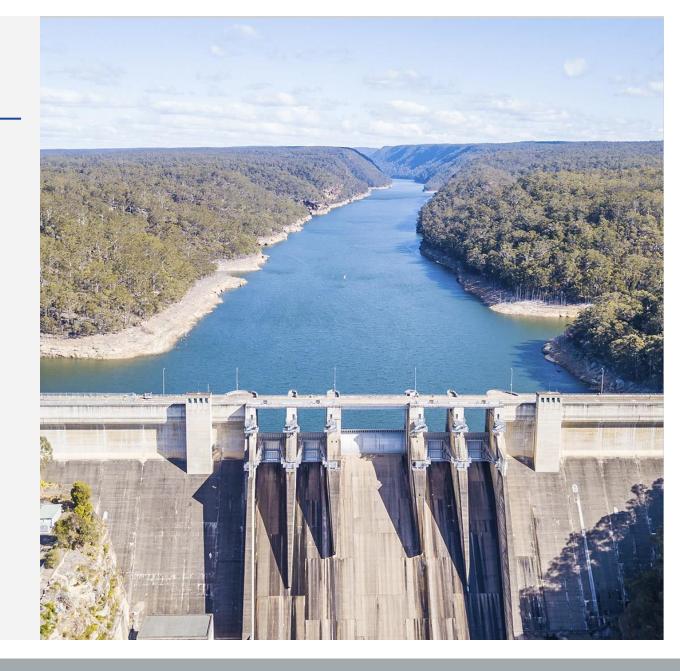
Clarify objectives for water security



Support effective dialogue with stakeholders



Enable meaningful monitoring and improvement

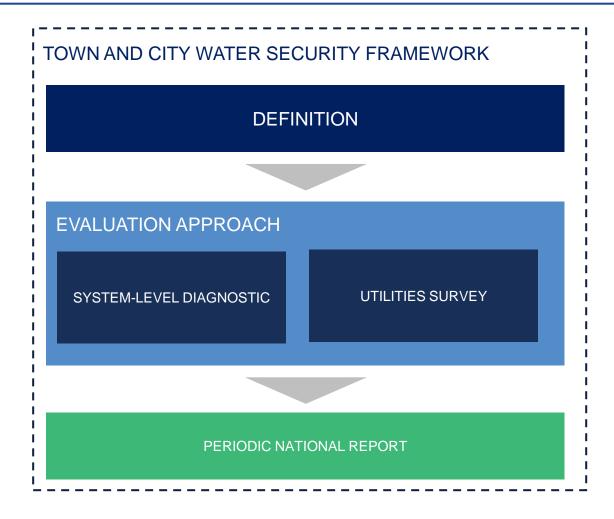




A tool to identify emerging water security issues and opportunities for improved outcomes

Developed a framework that consists of:

- agreed water security definition
- two-part evaluation approach
- a periodic reporting process that shares the data and results from implementing the evaluation approach.





System-level diagnostic – understand water security in any system, of any size, in any context

DIAGNOSTIC MODULE A

Establishes extent to which system is currently water secure



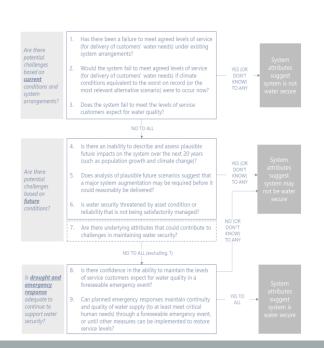
DIAGNOSTIC MODULE B

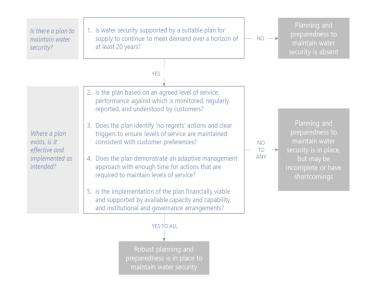
Establishes the
effectiveness of planning
and preparedness to
maintain water security over
time

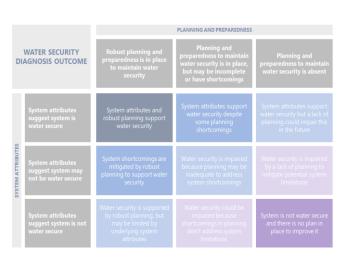


WATER SECURITY DIAGNOSIS

Status of system-level water security











Viet Nam's Law on Water Resources and approach to irrigation services pricing

Supporting the Government of Viet Nam to amend its Law on Water Resources to address challenges and safeguard water security, and to progress development of an approach to charging for irrigation services.

- + Identification of policy needs and solutions (in drought management, water economics, water allocation etc.) to be enabled by law reform; water reform capacity building
- + Design and delivery of a study visit to Australia to exchange experience with regulators, legislators and parliamentarians
- + Preparation of advice to ADB and the Ministry of Finance on an approach for levying charges for irrigation services
- + Implementation roadmap for legislative revisions; gender and disability assessment of revised Law; donor activities scan



Pakistan urban water security roadmaps

Assisting Pakistani decision makers to identify and effectively implement priority actions for improving urban water security.

- + Pakistan's Ministry of Water Resources selected urban water as a focus area for attention under an MoU with the Australian Department of Foreign Affairs and Trade
- + Preparation of diagnostic reports that identify and assess urban water management challenges and opportunities in Karachi and Lahore
- + Engagement with key Pakistani stakeholders to inform a roadmap document for each city, outlining priority action areas for improving water security
- Development of supplementary implementation plans for specific actions



Focusing on the 'how'

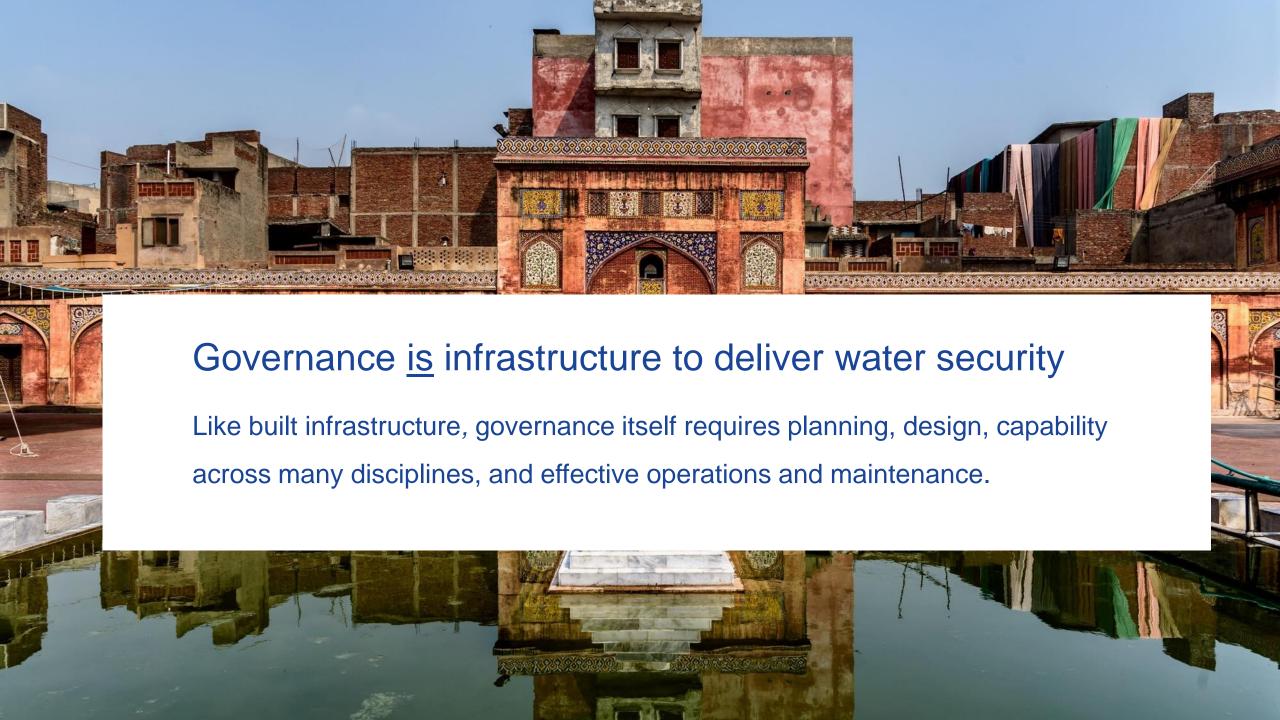
- An array of planning, regulatory, technical and incentive-based responses to water insecurity have been tested and proven in diverse contexts
- Raises the question: why are we not seeing more action?
- Countries report they are struggling with the "how" rather than the "what"
 - how to engage with the full spectrum of water management stakeholders in a meaningful way that drives progress
 - how to encourage water users to think about the value of water, including to inform understanding about tradeoffs and the consequences of different decisions
 - how to build and maintain political will and support for action
 - how to collect useful water information and use it to identify where reforms are required
 - how to develop a compelling narrative in support of reforms



Reflections

- The need for improved water policy and governance is well recognised, but capability and funding/finance lags
- Options for improving water-related investment, management and use are available and keenly sought after
- Challenge is in designing pragmatic ways in which to overcome constraints (information, social, political, financial, capacity)
- Structured engagement provides opportunity for engagement with diverse stakeholders, invites discussion of challenges, weaknesses and priorities in water management, and enables sharing of experiences
- Repeatable methods of diagnosing governance issues and opportunities and developing governance improvement roadmaps can inform benchmarking, investment mapping, and integration of efforts across projects and teams









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