

WaterGuide: A new framework for managing water scarcity

15 January 2019 | Manila

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WaterGuide

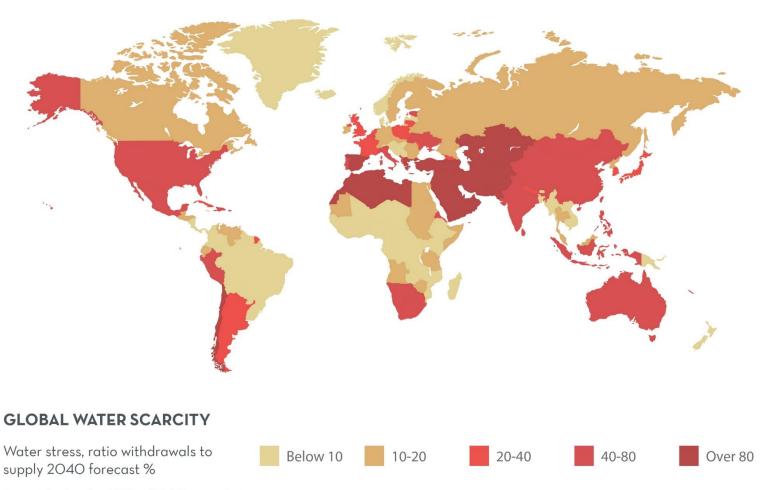


- What is it
 - A conceptual framework for improved water policy and strategy in response to water scarcity
 - Contribution by Australia to the High Level Panel on Water
- Who is it for
 - To lead water managers and decision makers through a guided process of policy support, driven by local priorities
 - To help diagnose problems and identify and guide the implementation of solutions
- WaterGuide is not a prescription. It is a starting point for structured dialogue and partnership to address water scarcity

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Water scarcity



Source: Aither, based on OECD and World Resources Institute

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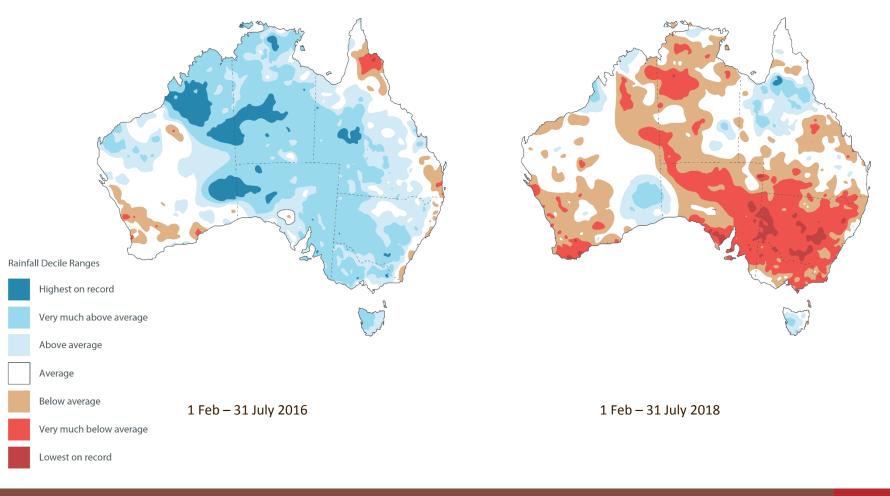
A global challenge

- 40 per cent of the world's people are affected by water scarcity (High Level Panel on Water, 2018)
- More than 50 per cent of the world's cities and 75 per cent of all irrigated farms are experiencing water shortages on a recurring basis (The Nature Conservancy, 2016)
- Water crises have been named as one of the top five global risks in terms of impact every year since 2012 (World Economic Forum, 2018)
- The Asia-Pacific region requires US\$800 billion in investment over the period 2016–2030 in water and sanitation infrastructure – ADB's sovereign water portfolio is growing to an estimated US\$5 billion a year by 2020 (ADB, 2018)

Context

- The net effect of adopting effective water policies could be equivalent to more than a 10 per cent boost in GDP growth in some countries (World Bank, 2017)
- Strong business case for improving policy and strategy and the evidence to support this
- Australia has lived this journey

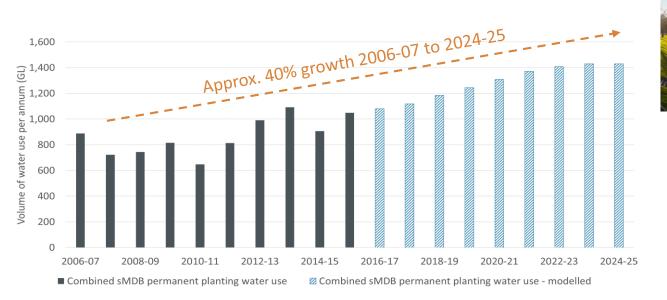
Baseline is scarcity and variability



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Realising the benefits of water reform



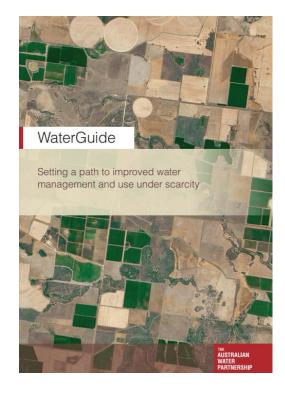


Estimate of permanent plantings by water use (GL) southern Murray-Darling Basin, 2006-07 to 2024-25

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Australia's offer with WaterGuide

- Committed to sharing our experience
 - Including to complement the contribution of our Water Tools
- We recognise that water management is context-specific
- So are focused on
 - Universal lessons
 - Delivering on local needs
 - Practical action to accelerate progress

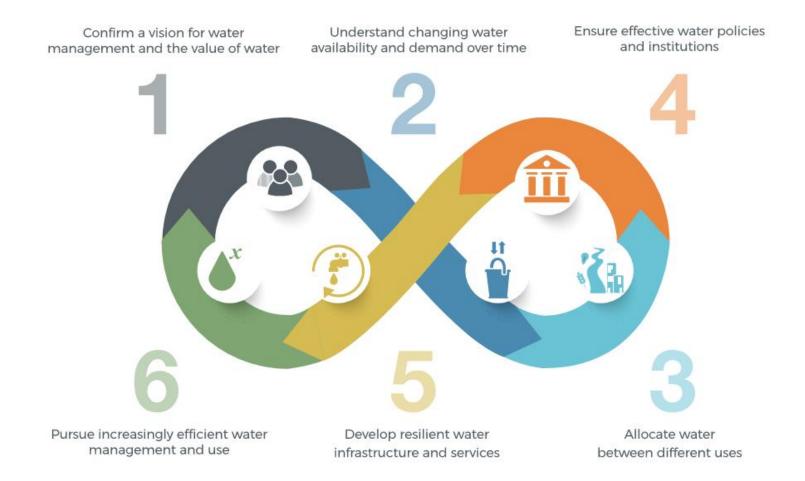


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WaterGuide framework



rGuide

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WaterGuide activities to date

Development and socialisation

Application through piloting



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Iran



Environmental Water Management

Iran Australia WaterGuide Dialogue Date: 9-10 Jan 2018 Location: Department of Environment, Pardisan Park, Tehran مديريت حقآبه زيستمحيطي -1 Ant AITHER

Water Market Development

Iran Australia WaterGuide Dialogue f Commerce, Tehran

تاريخ: ۱۸ دىم

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GLOBAL CHANGE

Australia Extends Water Management Expertise

Water authorities from Iran and Australia met in a two-day conference titled "Water Guide Dialogue" in Tabriz, East Azarbaijan Province, late last week, to discuss iran's water crisis. Given Australia's successful experience in setting efficient water policios in the battle against drought and its mente emission for mit. climatic similarity to Iran, the dialogue was held to make use of the country's expertise in the field, IRNA reported.

Will Farker, the head of Australian delegation, underlined the strong effect of water on both political and economic affairs, and suggested involving the private sector in water management programs both in the industrial and household sectors.

"What has remained from the country's water resources should be tactfully monitored and controlled," he said. "Large-scale agriculture with limited water has been a

radical challenge in Australia too, but what we do is to make a balance between consumption and preservation. Farker concluded that a comprehensive plan should be



should be tactfully monitored and controlled. devised to cover all embattled water resources, including lakes,

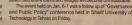
ground and surface waters as well as wetlands. "The plan will be challenged even if only one of the lakes

The plat win be characterized even in only office or all lakes drise up due to inaction or carelessness, "he said. Jalal Kalantari, assistant deputy for legal and international affairs at the Foreign Ministry, said the major problem in water management plans implemented so far is that they are not

Integrated. Pointing to the sensitivity of water scarcity in fram and the main role of public in curbing the issue, Kalanchi sado the society with care about the growing problem until they personally likel the effects of drought on their own and the next generators? lixes linn is a semi-aid country that has long been struggling with drought. Het, about 28% of the country the arrow and the country and the setted formon sanches

farming practices.

Experts predict that the country's water scarcity will hit crisis level by 2025, when renewable water will be less than 1,000 cubic meters per capita, down from 2,000 cubic meters in 1950. They say if water consumption patterns do not change in the near future, many parts of the country will turn into barren desert and entire towns and villages will become uninhabitable. The event held on Jan. 6-7 was a follow up of "Governance





WaterGuide

Safety Industry Wastewater Governance Sustainable Manageme Sovereinty Agriculture Environment Access Social Mitedatiny

Iran Australia WaterGuide Dialogue

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Mexico







WaterGuide and the Australian experience on scarcity and drought visited Baja California

AITHER and ARCOWA consultancies, supported and sponsored by the Government of Australia and the Australian Water Partnership (AWP), visited our country from 15 to 19 January, in order to present the tool: WaterGuide, a guidance document designed and based on decades of the Australian experience on the management and efficient use of water resources in the face of water scarcity and availability variation. The guide is a contribution to the UN High Level Panel on Water and the World Bank.



WaterGuide is a framework designed to help decision makers and stakeholders to develop practical paths to improve water management under scarcity and variability conditions, by diagnosing problems and identifying appropriate instruments to address them, such as political, technical,

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Jordan

Jordan WaterGuide Dialogue

💼 POSTED ON 29 SEPTEMBER 2017 🛛 🗧 CATEGORIES: DROUGHT, JORDAN, WATER SCARCITY 🛛 🧠 NO COMMENTS YET



AWP Partners and DFAT recently conducted a mission to Jordan on the topic of managing water scarcity that involved the first application of the recent AWP publication WaterGuide. WaterGuide, published in March 2017, was prepared by Huw Pohlner and Will Fargher of Aither for AWP at the request of the Australian Department of Foreign Affairs and Trade, as a part of AWP support provided to the World Bank/UN High-Level Panel on Water.

In April 2017, the Jordanian Minister of Water and Irrigation, HE Dr Hazim El-Naser, approached AWP to request Australian assistance to 'define a set of potential activities, drawing inspiration from the WaterGuide, including a country diagnostic of challenges and opportunities for reform and pro-active management, identifying policy priorities and potential innovative approaches on water scarcity and drought management. This was the first formal WaterGuide-related approach to the Australian Government since the publication of the report.





Australian Government
Department of Foreign Affairs and Trade

MEDIA RELEASE

MINISTER OF WATER AND IRRIGATION, HASHEMITE KINGDOM OF JORDAN

His Excellency Dr. Hazim El-Naser

AUSTRALIAN AMBASSADOR TO JORDAN

His Excellency Mr. Miles Armitage

17 August 2017

JORDAN AND AUSTRALIA COLLABORATING ON WATER SCARCITY

The Governments of Jordan and Australia are pleased to announce the Jordan-Australia Water Each of the challenge of water scarcity in Jordan. a countries in the world, and its limited water supplies are under population growth, climate change, and the current refugee

> Dialogue was held in Amman, hosted by the Jordanian Ministry anagement policymakers and experts from Australia and to imbalances between water supply and demand in Jordan.

pliaboration is informed by WaterGuide, a framework for and use in response to water scarcity. WaterGuide draws on ng to water scarcity and drought, and is a practical contribution I on Water, of which Jordan and Australia are both members.

ton Dr. El-Naser noted, 'WaterGuide provides our two countries cal partnership. This WaterGuide Dialogue should allow us to on between water policymakers and experts can accelerate ement goals'.

dan and Australia have been identified in relation to tory management; better understanding water supply and the allocation of water between uses; ensuring sustainable n efficiency.

Miles Armitage stated, 'In the context of the growing global relping countries wanting to improve water management in the

> Mr. Omar Salameh, +962 7 9850 3736 Ms. Farah Al <u>Hmoud</u>,+962 7 7744 7529 an lead Mr. Will Fargher +61 402 336 614

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Jordan-Australia Water Reform Collaboration



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Putting WaterGuide into practice



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Three phases of cooperation in Jordan

- **Phase 1** (July-Dec 2017): Initial policy dialogue; establishment of Jordan-Australia Water Reform Collaboration
- **Phase 2** (Jan-June 2018): Refinement of priorities for collaboration; preparation of bridging project scopes
- **Phase 3** (July-Dec 2018): Completion of bridging projects
- **Next phase** (TBC): Completion of detailed work on priority projects

Insights from implementation

- Unsustainable surface water and/or groundwater use
- Cities, towns and industries are experiencing shortages
- Significant environmental assets at risk or in terminal decline
- The need for reform and reallocation is recognised
- Solutions are available but hampered by constraints (information, political, financial, capacity, etc.)
- WaterGuide implementation to date shows promise in structuring partnerships and pathways for practical action



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