



# Iran Australia WaterGuide Dialogue 2018

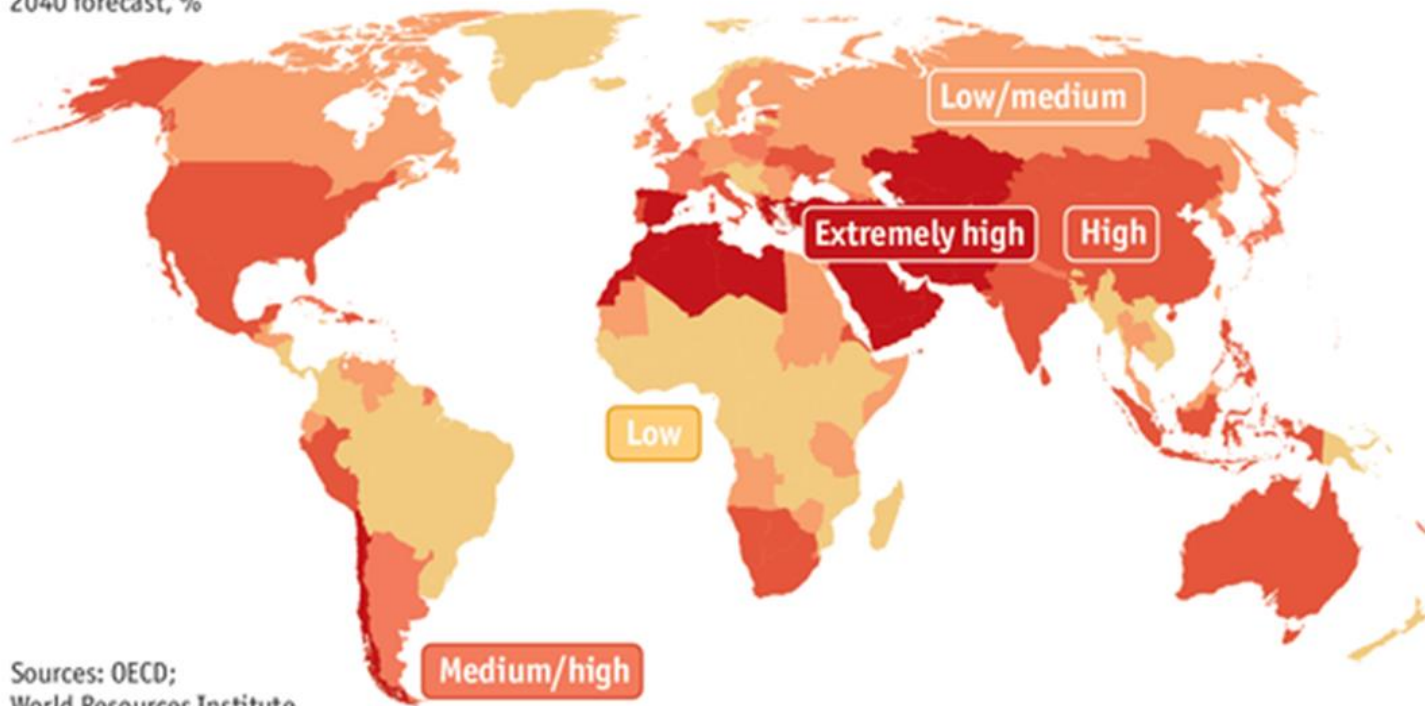
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# Water scarcity and insecurity

## Water pressure

Water stress, ratio of withdrawals to supply  
2040 forecast, %

Below 10 10-20 20-40 40-80 Over 80



Sources: OECD;  
World Resources Institute

Economist.com



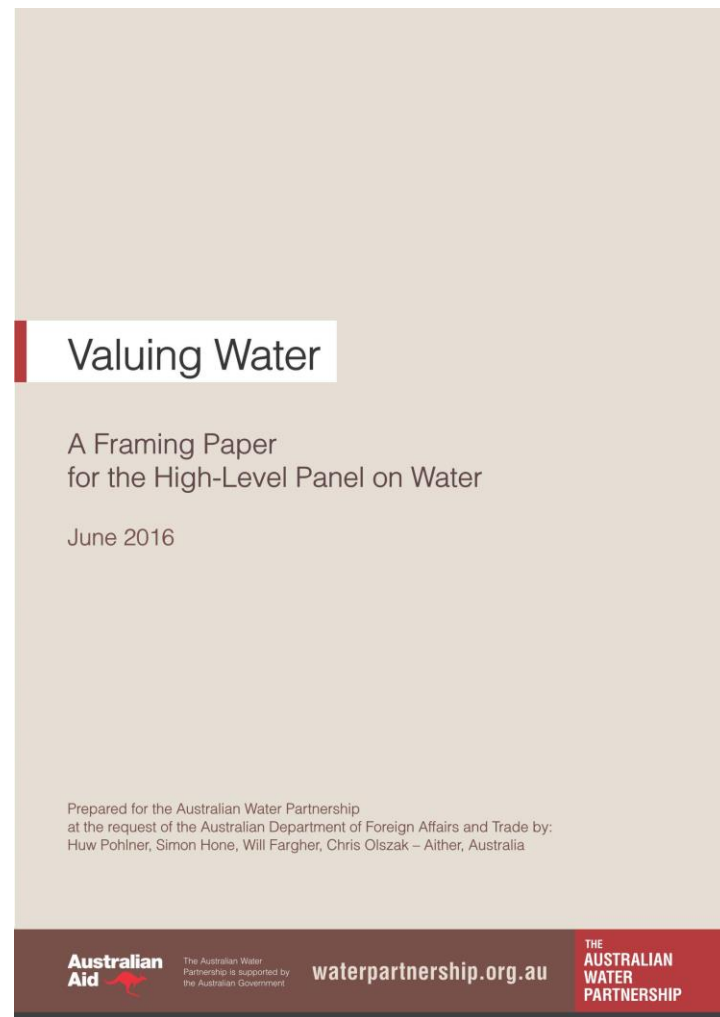
# Gains from taking action

- Improved water policies are likely to have a significant positive impact on economic performance.
- The net effect of adopting efficient water policies could be equivalent to more than a 10 percent boost in GDP growth over the next 30 years in some countries (World Bank, 2016)
- Australia is committed to help, including as evidenced by the establishment of the Australian Water Partnership, bilateral MoUs, and membership of the UN and World Bank High Level Panel on Water
- Australian Government, AWP and Aither have partnered to present an organising framework for improved water management, and for sharing Australian expertise



# Valuing water is critical to success

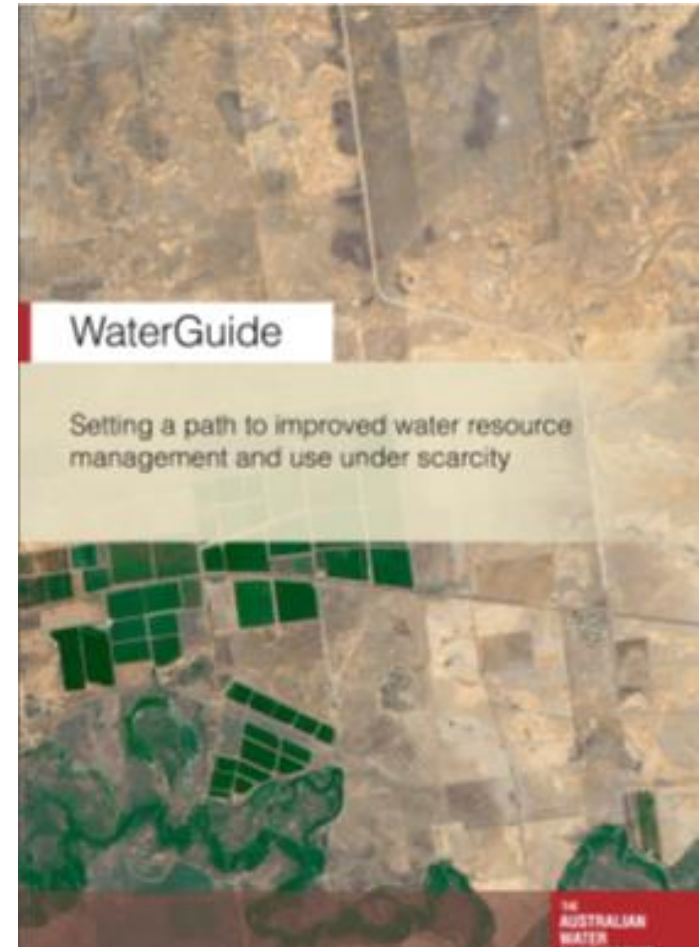
- Individuals, communities and governments make implicit valuations of water resources all the time
- Formal valuation reveals the negative consequences of water scarcity and the possible gains from action
- Helps communicate trade-offs and enables more informed and transparent decisions
- Results in more efficient and sustainable water investment, allocation and use





# WaterGuide

- Drafts presented at the 2016 World Water Congress, Budapest Water Summit, and Global Water Summit
- Discussed with the UN, WBG, ADB, IWA, IUCN and others
- Australia called for expressions of interest in trailing WaterGuide through the HLPW roadmap
- Inaugural WaterGuide Dialogue held with Jordan in August 2017, resulting in the Jordan Australia Water Reform Collaboration
- Mexico and Senegal have expressed interest – with AWP, DFAT and Aither partnering to undertake dialogue with these in 2018





WATERGUIDE

# Six elements of water management

Establish a shared vision  
for water management  
outcomes

1

Understand water  
supply and demand

2

Develop institutions and  
policies to govern water  
management

4

6

Assess and improve  
system efficiency and  
effectiveness

5

Deliver sustainable water  
infrastructure and  
services

3

Determine allocation of  
water between uses

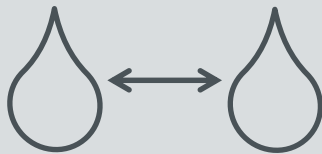




# Efficiency and value are linked

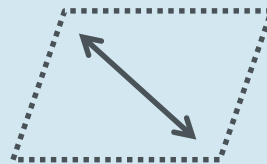
## Allocative efficiency

Optimal allocation of water between different users and uses



## Productive efficiency

Maximised output of production per unit of water consumed



## Dynamic efficiency

Improved water allocation and use across time and space



**Water markets** have proved key in revealing, incorporating and increasing value

# Iran Australia WaterGuide Dialogue

Dialogue gives us the opportunity to define a model for partnership, and to identify practical action on which Iran and Australia can collaborate

