

# Engagement in the Mashreq Region

January 14, 2020



**WORLD BANK GROUP**  
Water

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# A Water Secure World for All



**Sustain  
Water  
Resources**



**Deliver  
Services**



**Build  
Resilience**

# **WATER IS ESSENTIAL FOR THE PLANET, THE ECONOMY, AND LIFE**



**Water sustains the  
planet**



**Water is a vital factor  
of production**



**Water is the essence of  
life**

# WATER IS IN CRISIS



Too much



Too polluted



Too little

# ...AND THE PRESSURE AND EXTREMES ARE INCREASING



Climate  
change



Population  
growth and  
urbanization

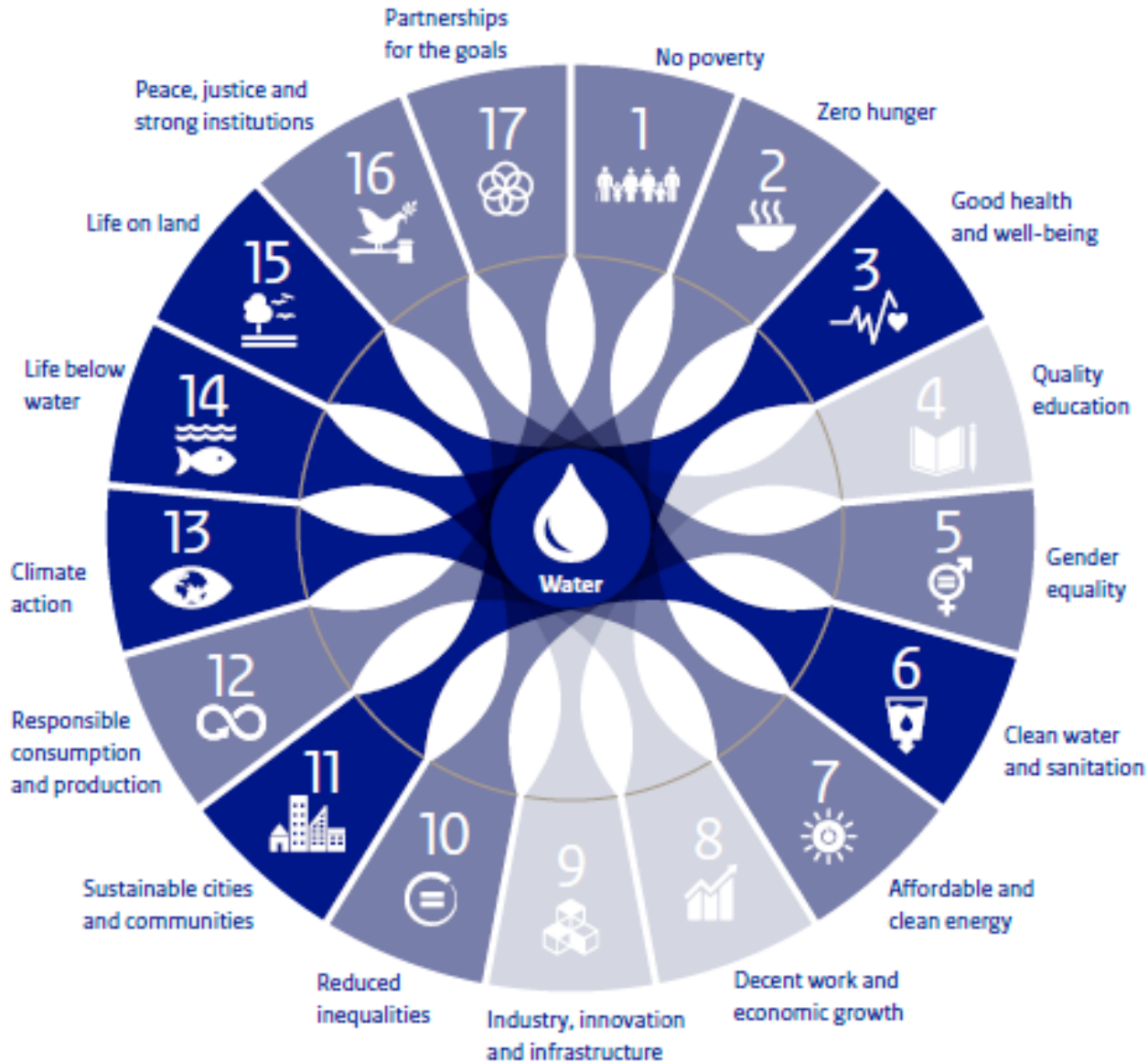


Consumption  
patterns and  
pollution

**By 2030, demand for water is expected to exceed supply by 40%**

*The 2030 Water Resources Group Report*

# WATER IS CRITICAL FOR ACHIEVING THE SDGs AND CLIMATE COMMITMENTS

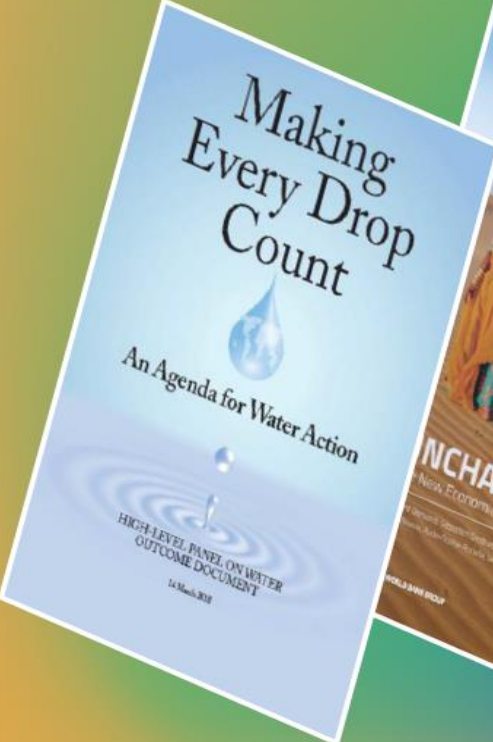


As a global community we are falling off course on all the SDGs and climate commitments



# THE WORLD BANK IS ALSO PRODUCING KNOWLEDGE

Making Every Drop Count



Uncharted Waters



The Rising Tide

Innovations in WASH Impact Measures



WASH Poverty Diagnostic



Easing the Transition to Commercial Finance for Sustainable Water and Sanitation



Knowledge Highlights from the Water Global Practice



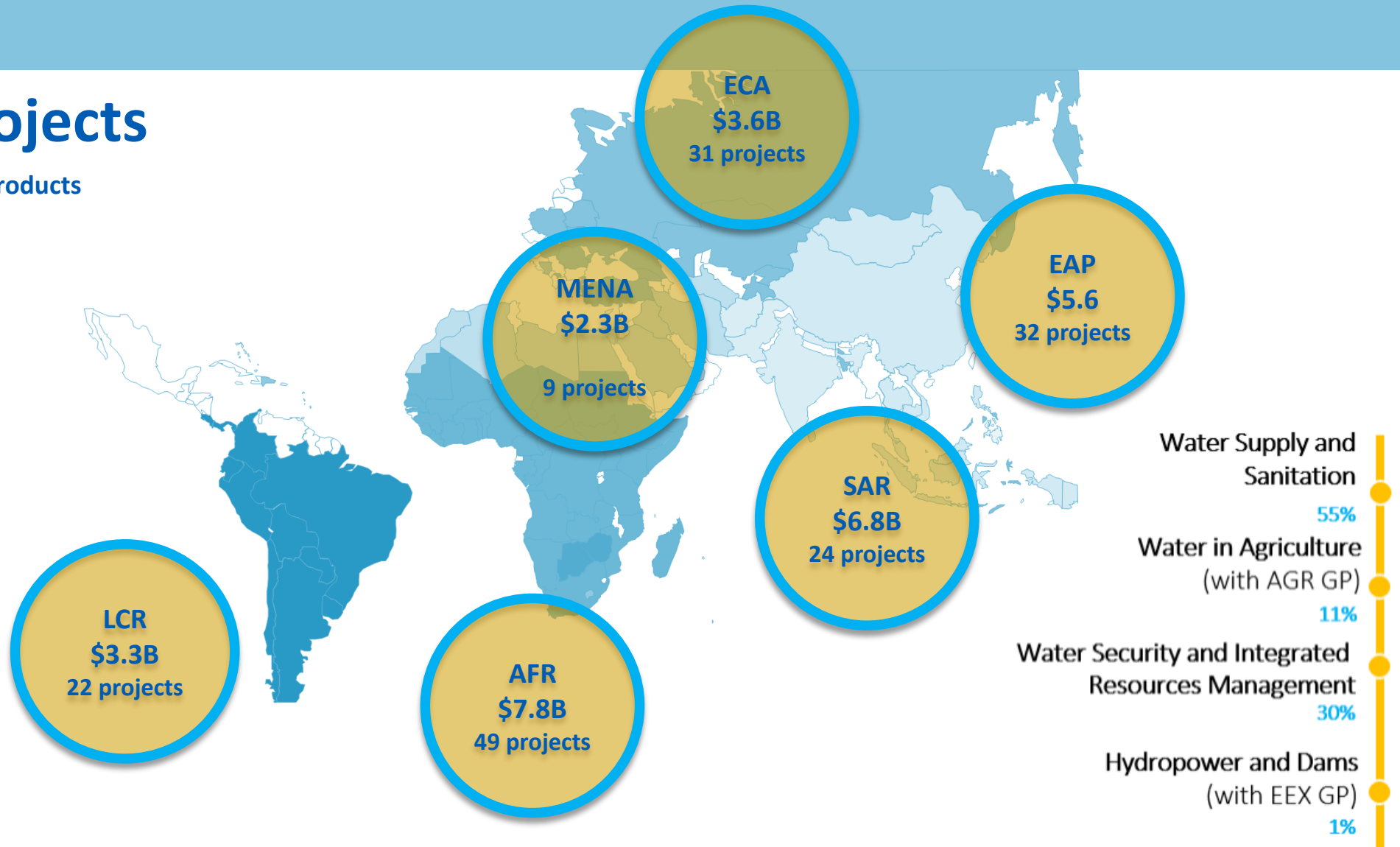
# THE WORLD BANK GLOBAL PORTFOLIO (2019)

**\$29B | 167 projects**

**159** Analytical and Advisory Products  
Including 44 Global Reports



**290 staff**





# MASHREQ PORTFOLIO (2019)

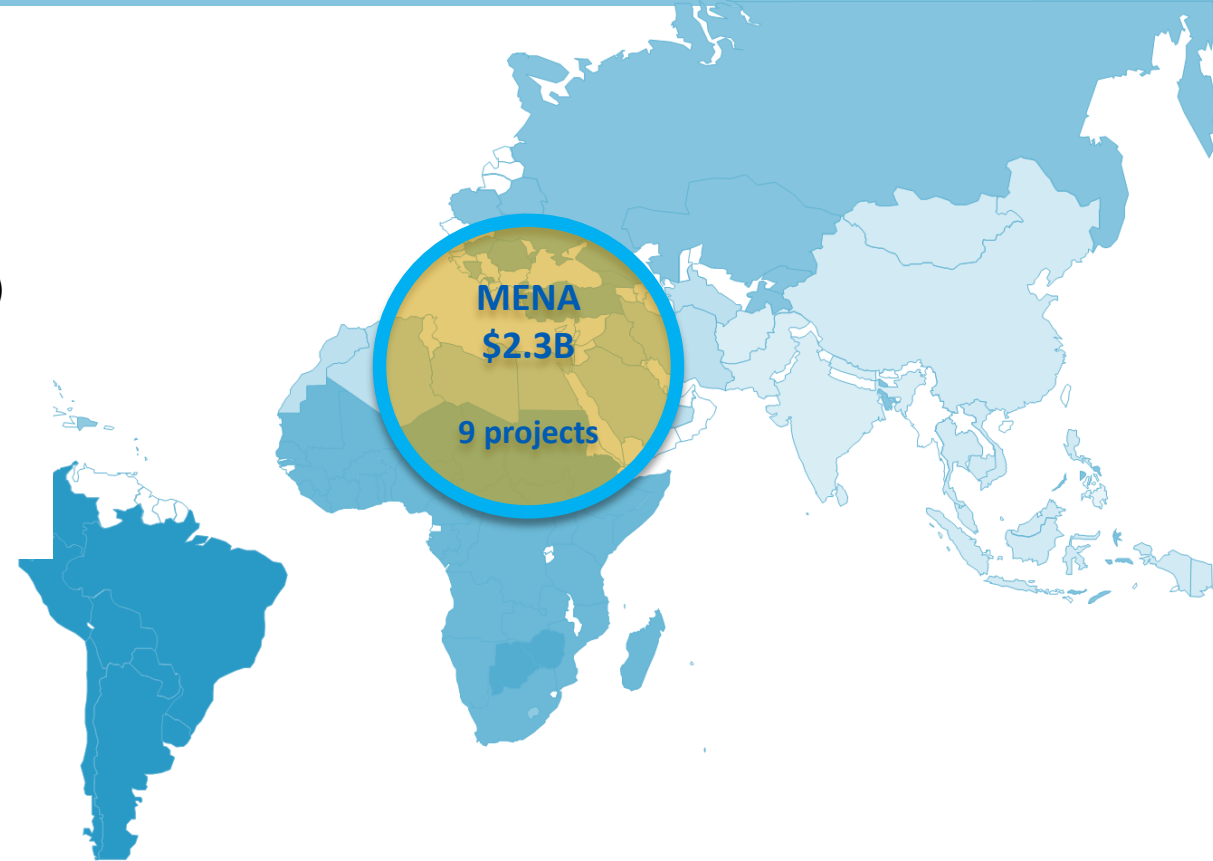
## Lebanon:

Greater Beirut Water Supply Project (US\$200 million)

Lebanon Water Supply Augmentation Project (US\$474 million)

## Iraq:

Baghdad Water and Sewerage Improvement (US\$210 million)



# OVERALL APPROACH IN THE MIDDLE EAST NORTH AFRICA REGION: THE « 4R »

- 1. Renewing the social contract:** Increase accountability and transparency of public expenditure/procurement; publish utility performance data; rules-based water permitting
- 2. Regional Cooperation:** Technical discussions on flow monitoring; efficient irrigation methods; water quality monitoring.
- 3. Resilience:** Support adaptation to fragility and conflict, climate change, growing urbanization and demand through mechanisms to allocate water to higher value uses e.g. from irrigated wheat to municipal drinking water
- 4. Recovery and reconstruction:** Rebuilding infrastructure and institutions in fragile and conflicted afflicted countries.

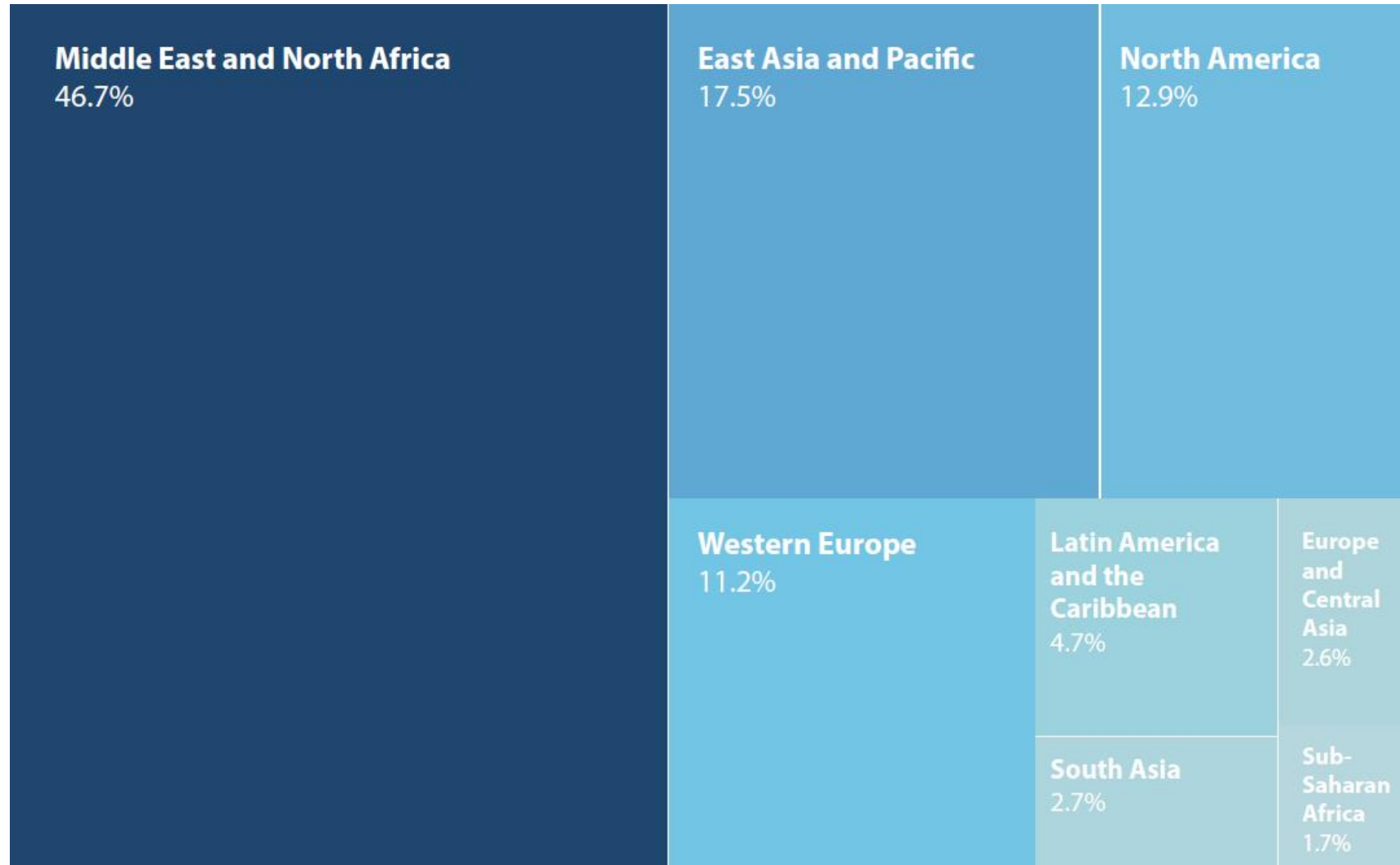
# A GOVERNANCE PROBLEM THAT NEEDS DATA-DRIVEN SOLUTIONS

Despite the obvious value of water in MENA's arid environment data to enable water resource management is limited, fragmented and contested across most countries. As a result:

- Water is under-valued
  - Irrigation water is subsidized and so channeled to relatively low value agricultural products
  - WRM governance frameworks have made some progress on allocation but permitting and rights trading mechanisms are nascent or non-existent
- Transboundary water management is being threatened by fragility and climate change
  - Every MENA country shares at least one aquifer with a neighbor – in nearly every case one party is FCV affected – adding uncertainty to WRM planning decisions
  - Climate change is altering patterns of availability meaning that existing TB water agreements may be challenged
- Poor water management is contributing to (unnecessary) demand for water desalination plants

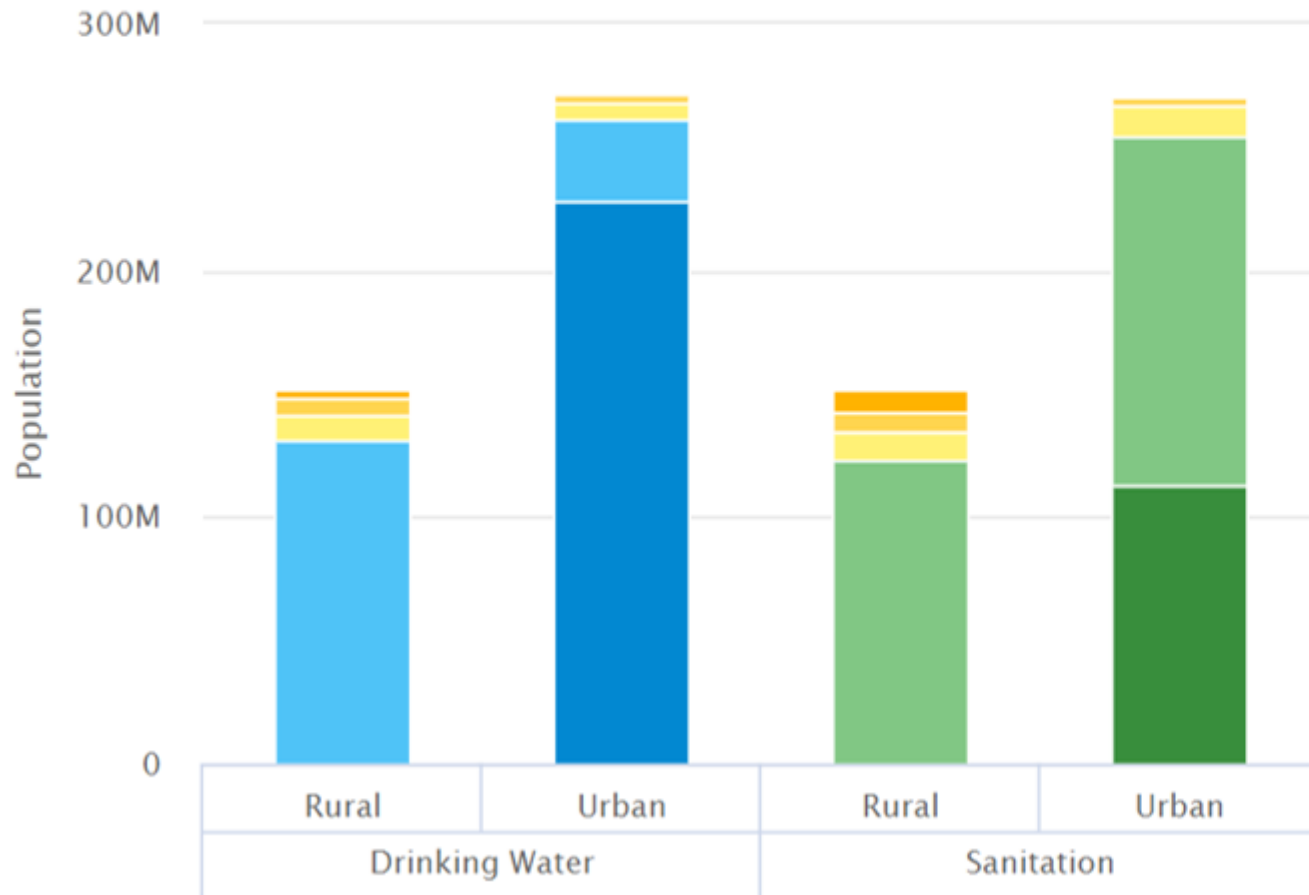
# Desalination a growing but expensive last resort

Capacity by World Region, 2016



# SERVICE DELIVERY – POOR QUALITY ERODING CITIZEN TRUST

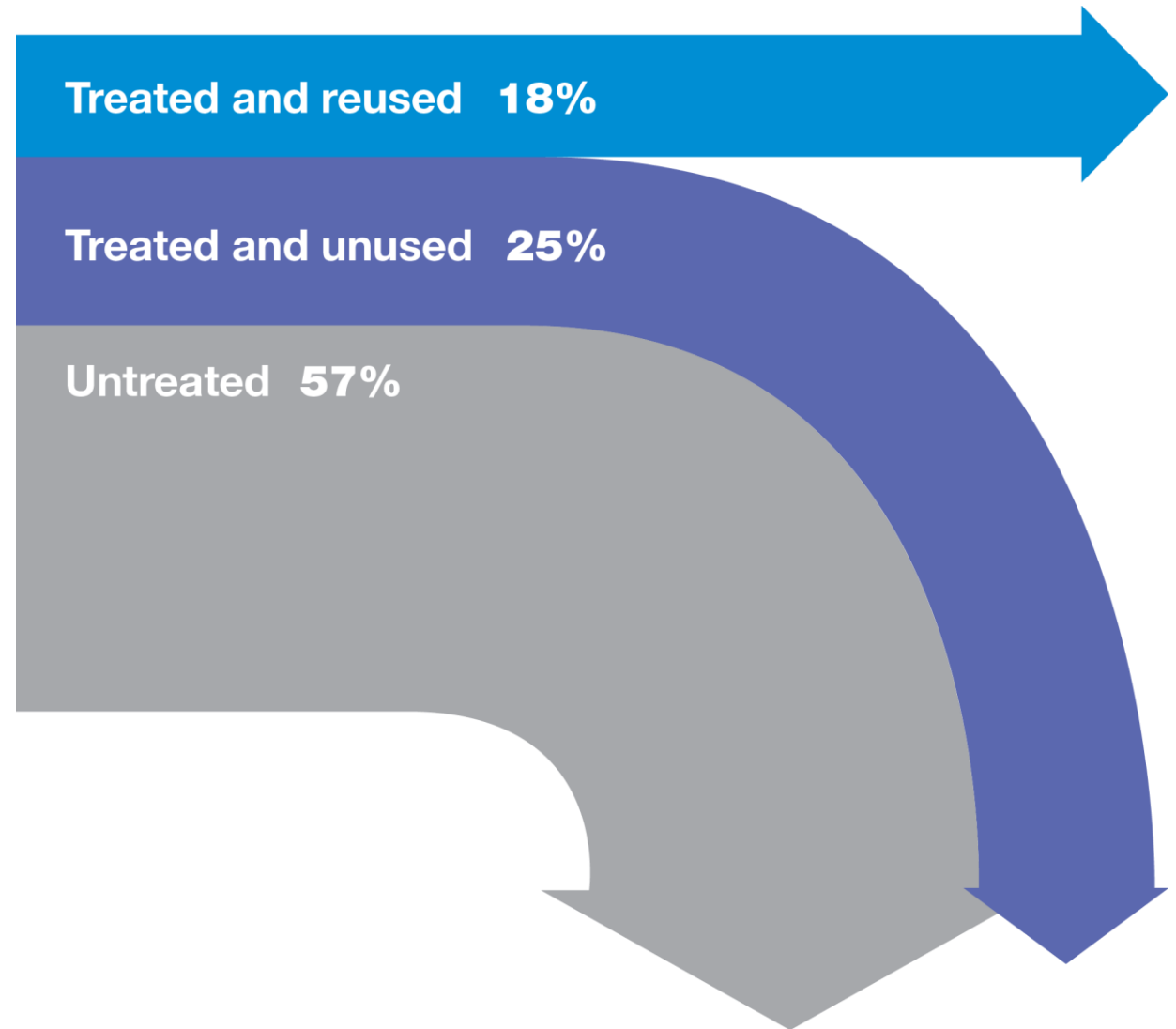
**MENA Rural vs Urban WSS Services**



- The 150m people living in rural areas rely on water sources that fail at least one of these tests:
  - i) not on premises
  - ii) not available when needed
  - iii) not free from contamination
- Only a ¼ of all people in MENA have improved sanitation facilities from which excreta is safely disposed of
- Coverage and service quality deteriorating in FCV countries leading to disease outbreaks

| KEY             |  |                 |  |
|-----------------|--|-----------------|--|
| Surface water   |  | Open defecation |  |
| Unimproved      |  | Unimproved      |  |
| Limited service |  | Limited service |  |
| At least basic  |  | At least basic  |  |
| Safely managed  |  | Safely managed  |  |

**Recycling water is a massive opportunity**



# WORKING TOGETHER WITH PARTNERS

- Work with UN Agencies in project and in generating knowledge and dialogue.
- Working with the NGOs, and CSOs.
- Enable environment for the private sector engagement
- Continue working with civil society and citizen engagement

# BRING DIGITAL DISRUPTION TO WATER RESOURCES MANAGEMENT

- State of the art monitoring systems to underpin water governance (water allocation, permits, pricing, trading) and maximize value from available water
- Build partnerships around transboundary aquifers and surface water drawing on WBG partnerships with NASA++
- Maximize water harvesting using traditional means (sand and sub-surface dams, infiltration galleries etc.) through use of remote sensing technologies
- Negotiate surface water substitution by building reuse into all WWTPs for agriculture and industry (e.g. As Samra WWTP in Jordan)
- Ensure Desal investment is a last resort



Thank you