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ADB

# ADB Business Opportunities Water Sector Group

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BUSINESS  
OPPORTUNITIES



# ADB Countries with High Baseline Water Stress

Water stress level

Low	Low to medium	Medium to high	High	Extremely high	No data

## Extremely High Water Stress

- India
- Pakistan
- Turkmenistan

## High Water Stress

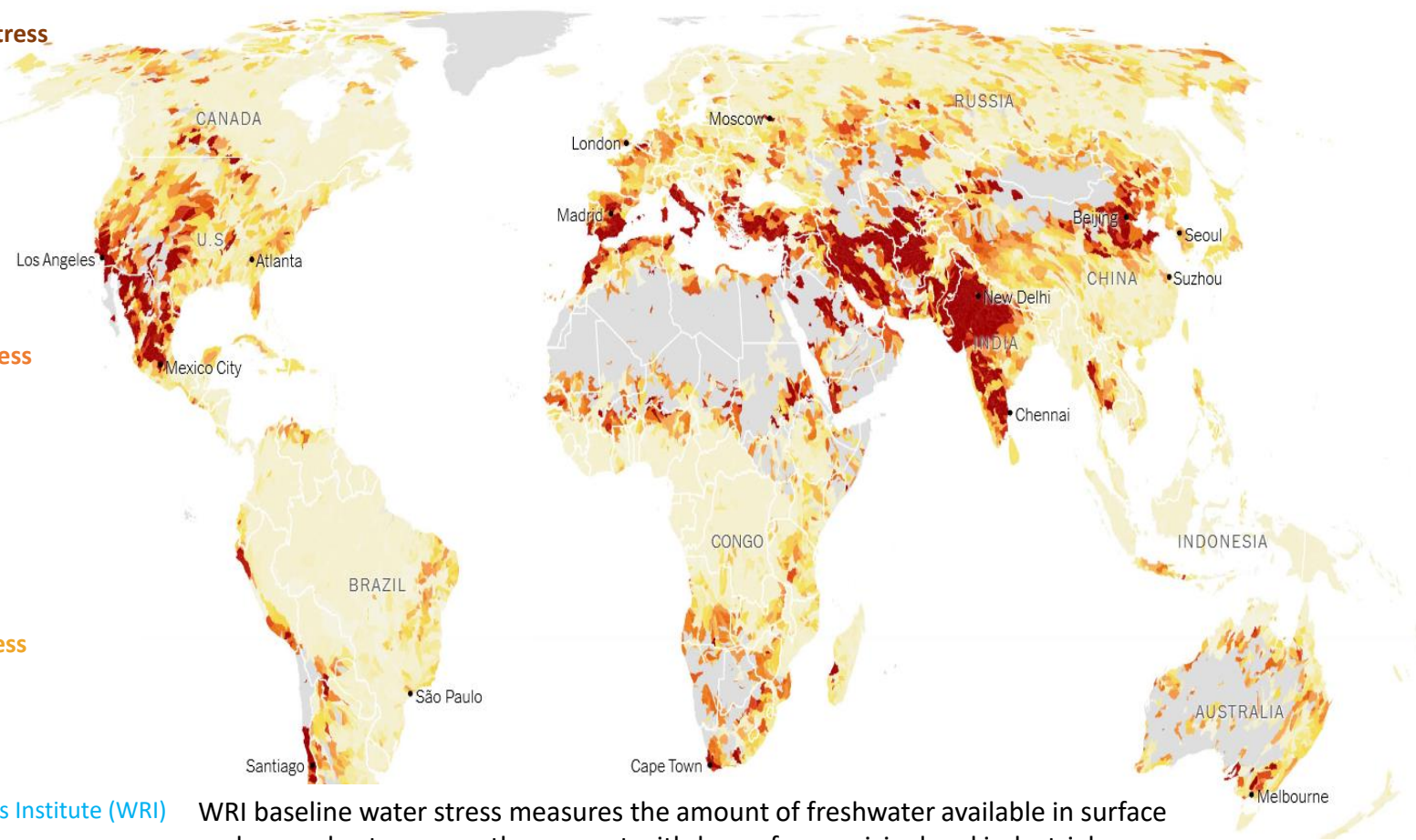
- Uzbekistan
- Afghanistan
- Armenia
- Kyrgyzstan
- Nepal

## Medium-High Water Stress

- Thailand
- Azerbaijan
- Australia
- Tajikistan
- South Korea
- Mongolia
- China
- Kazakhstan

## Low-Medium Water Stress

- Philippines
- Georgia



World Resources Institute (WRI)

WRI baseline water stress measures the amount of freshwater available in surface and groundwater versus the amount withdrawn for municipal and industrial uses. Higher values indicate higher water risk.

# Asia's Looming Water Crisis

- Urbanization
- Increasing and competing demand
- Access to water supply and sanitation
- Deteriorating water quality
- Food security
- Increasing extreme weather events and climate change
- Governance and capacity



# Water challenges for achieving SDG6: Clean water and sanitation: Key Facts

- Worldwide

- 4.5 billion people lack to basic sanitation
- 2.1 billion people lack access to safe drinking water

- Asia and the Pacific

- 370 million people lack to basic sanitation
- 165 million people lack access to safe drinking water
- 50 million practice open defecation

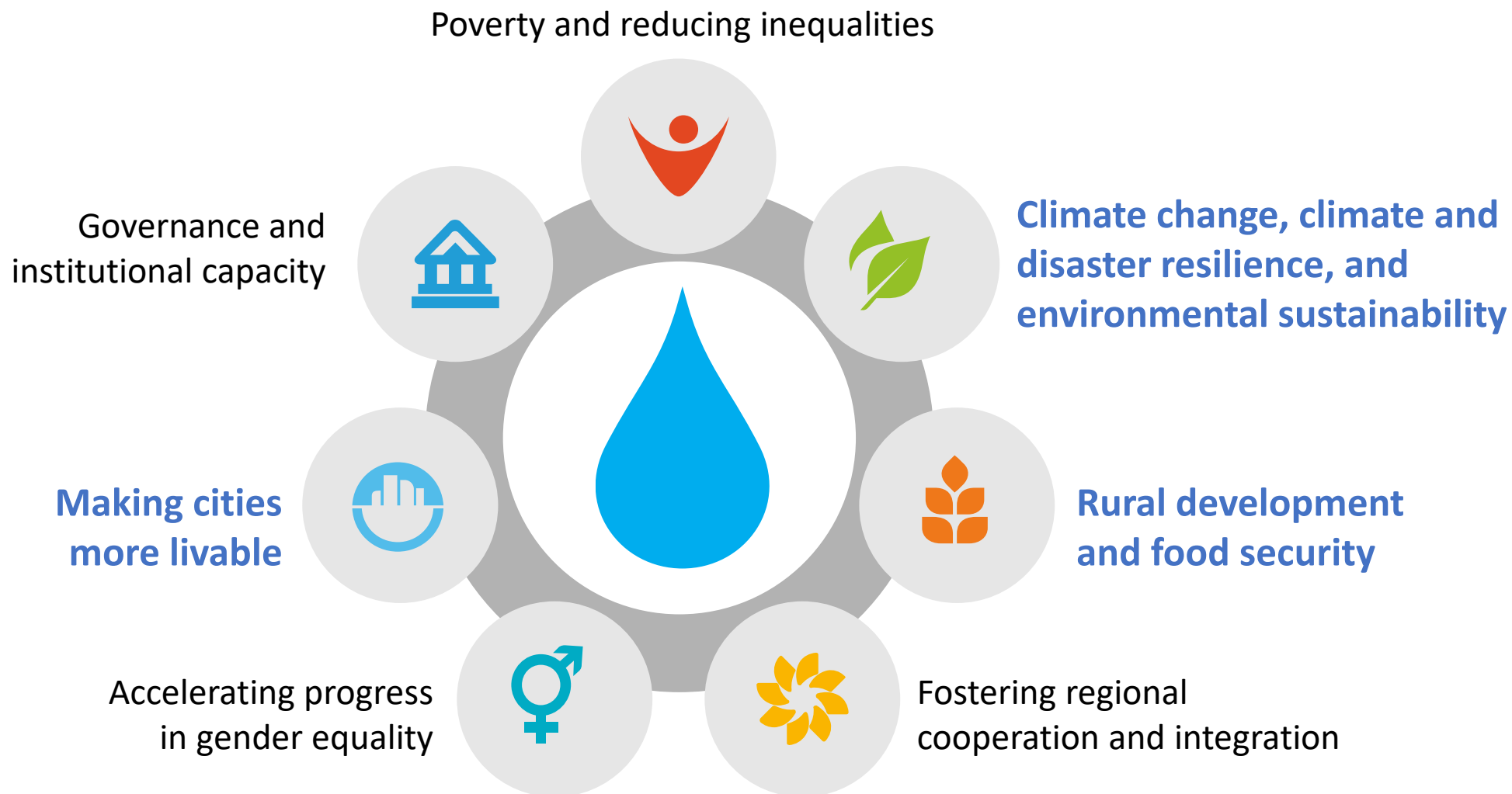
- Worldwide Insufficient funds

Required: \$114 billion investments/year

- available: less than \$5 billion (donor funds)
- public funds are not enough
- private finance (total: \$157.2 billion): only 1.36% (\$2.14 billion) invested in water & sanitation (2012-2017)

# 1 | Overview of ADB's Water Sector

# Strategy 2030: Seven Operational Priorities



## Holistic and Integrated Approach



# Innovation and Trends Across the Water Portfolio



## Technology and data

GIS, decision support systems, supervisory control and data acquisition (SCADA), wireless sensor and pressure management, solar powered wastewater treatment, reuse of wastewater, remote sensing/ satellite

**NEP:** Mechanized Irrigation Innovation Project - sustainable groundwater pumping system for large-scale network, \$0.5M TRTA WFPF support



## Integrated projects, climate resilience, environment

stronger urban and rural linkages, environmental conservation, sponge cities for flood management, disaster and climate resilient infrastructure

**PRC:** Henan Dengzhou Integrated River Restoration and Ecological Protection Project – designed with upstream and downstream linkages and urban-rural integration, \$0.1M TRTA WFPF support



## Governance, performance and capacity building reforms

water user associations, regulatory reforms, tariff policy, non-revenue water reduction, private sector management, performance-based urban governance incentives, river basin and water resources management institutions

**PAK:** Khyber Pakhtunkhwa Water Resources Development Project – training farmers and water users association on water conservation and climate-smart irrigation, \$0.3M TRTA WFPF support

# Innovation and Trends Across the Water Portfolio



## Focus on asset management

asset management plans developed, sustainable financing and cost recovery, application of remote sensing and other technology, planning and budgeting,

**IND:** Cauvery Delta Sustainable Irrigation and Flood Project – water resources information system and asset management system to monitor and prioritize O&M of water infrastructure, \$0.2M WFPF support



## Innovative financing and transaction mechanisms

results based lending, sector development programs, local currency, bonds, prepaid metering, public private partnership, DBO contracts

**KIR:** South Tarawa Water Supply Project – 5-year O&M contract for water supply network and desalination plant, \$0.12M TRTA WFPF support



## Nature-based Solutions

sustainable management and use of nature for tackling socio-environmental challenges

**VIE:** Secondary Green Cities Development Project - integrates green features in urban drainage, flood protection works using environmentally-friendly materials, \$0.3 M TRTA WFPF support



# Water is the primary medium through which we will feel the effects of climate change\*

- WSG is creating a knowledge product for water sector climate change adaptation and mitigation. (i) prepare and implement projects, (ii) build awareness and capacity for staff and DMC counterparts, and (iii) knowledge management.
- *“Asia-Pacific Water Resilience and Climate Change Approach 2030”*, WSG develops a work plan to further integrate climate change into operations and DMC investment planning and policy development.
- The WSG will expand its partnerships and external engagement to strengthen its climate change program, through events such as the Global Adaptation Summit in January 2021 and COP 26 in November 2021.

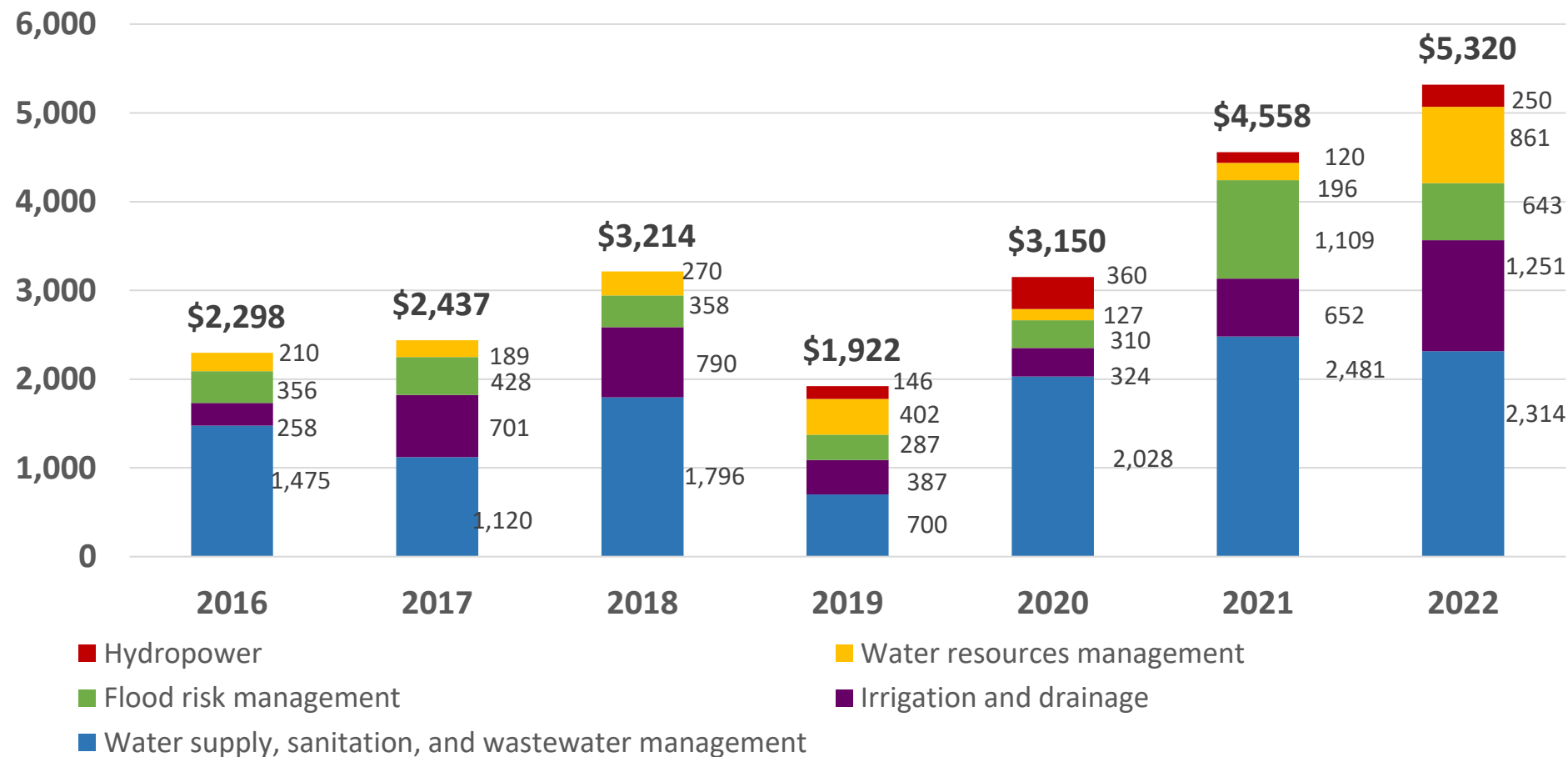
\*UN Water



# **2** | **WSG Operations and Achievements**

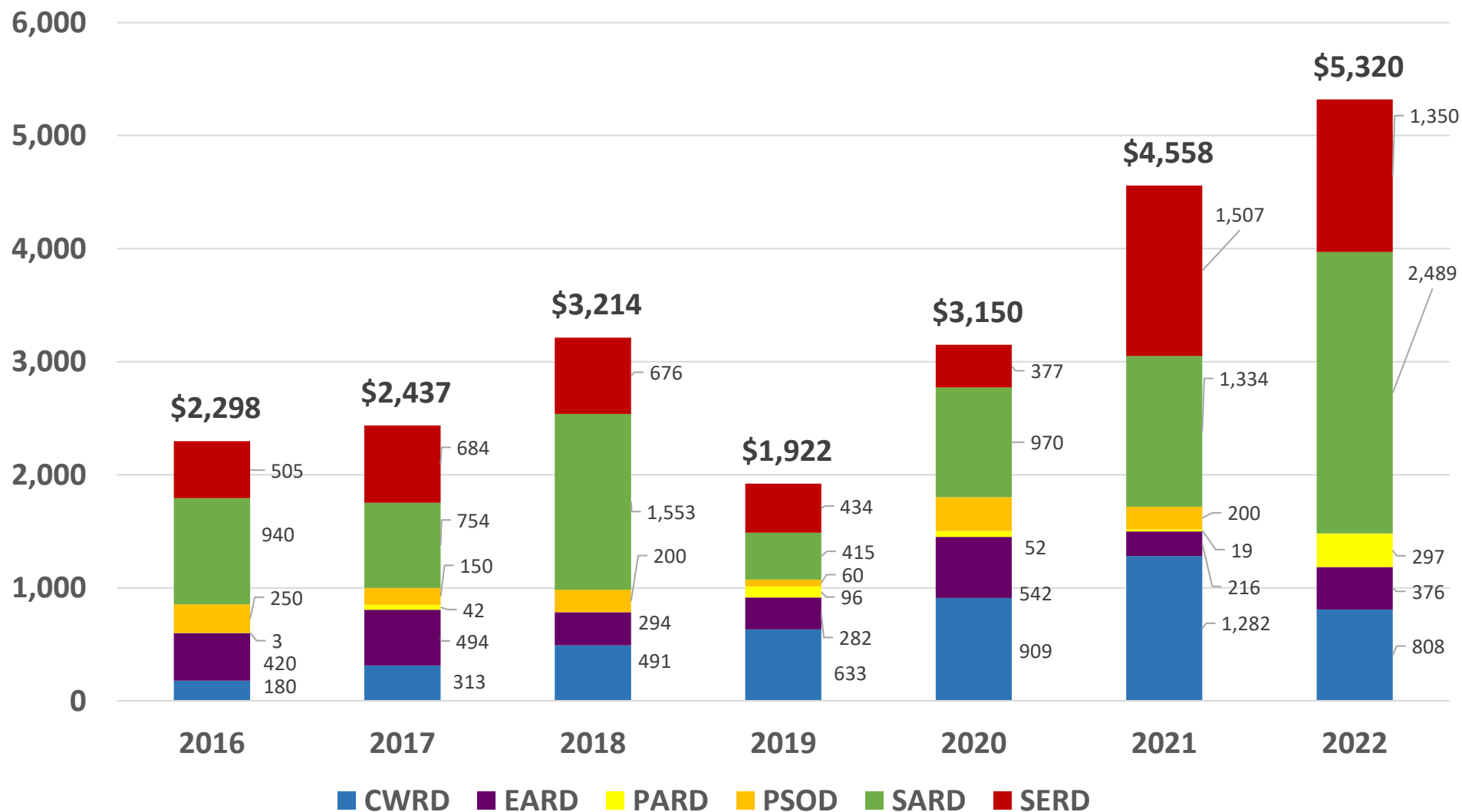
# WSG Lending History and Pipeline by Subsector

(in \$ Million)



# WSG Lending History and Pipeline by Operational Department

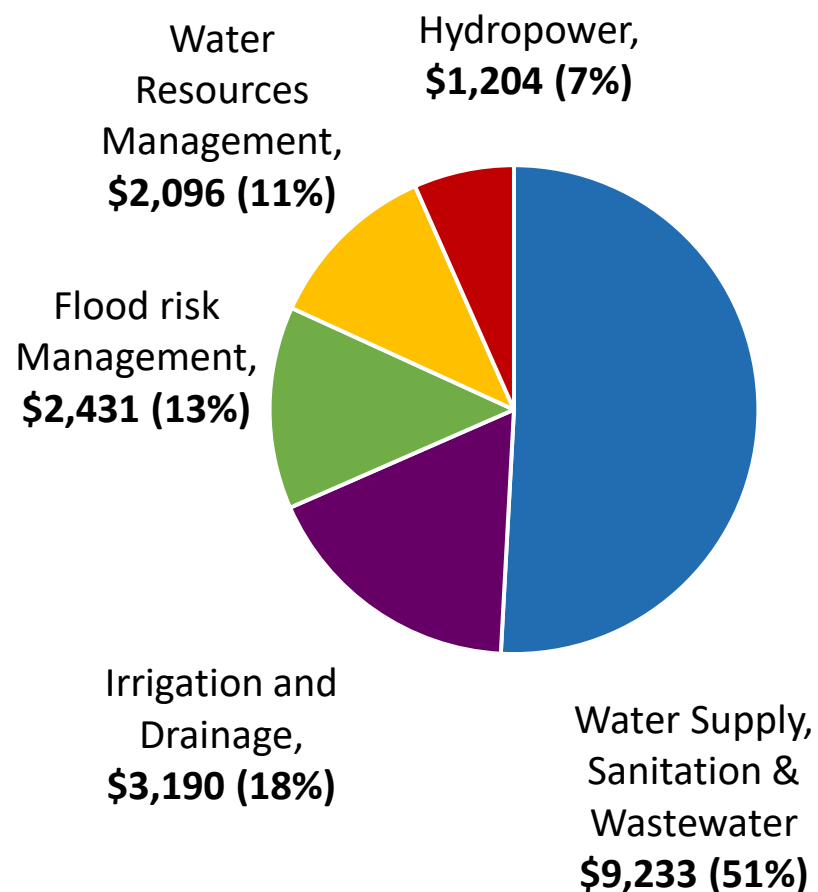
(in \$ Million)



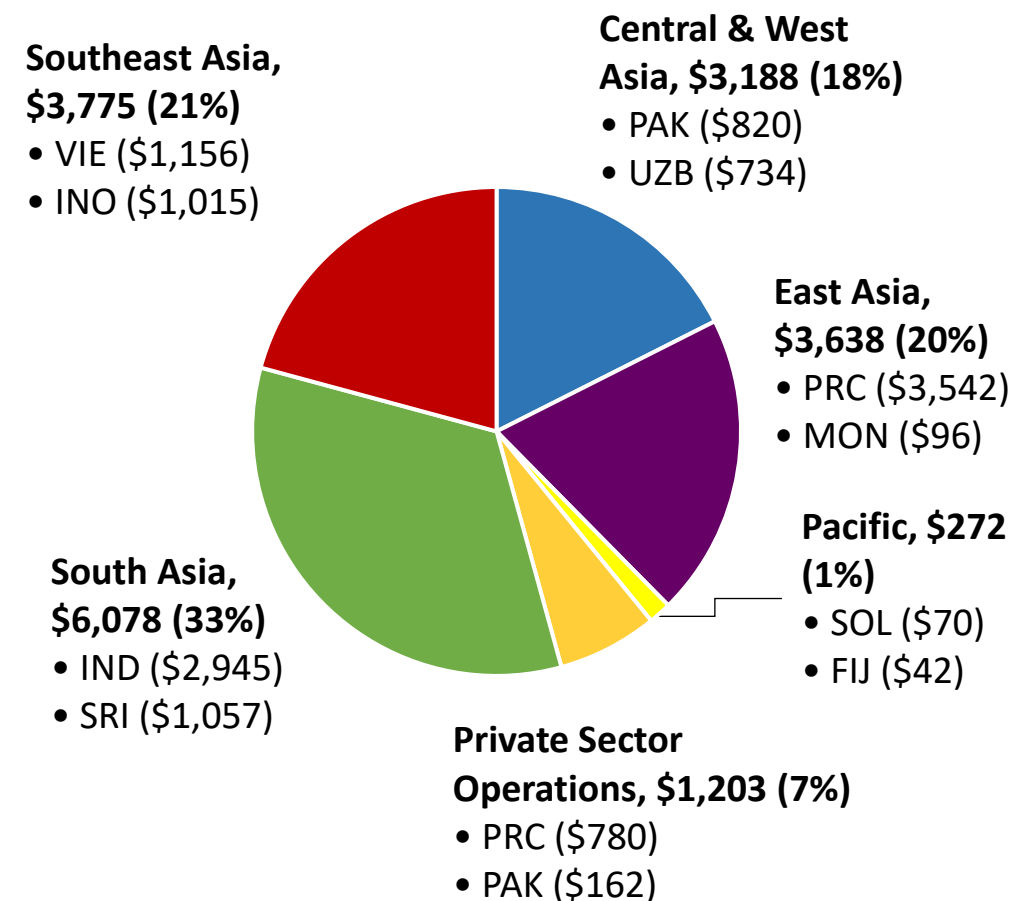
# ACTIVE WSG PROJECTS

(in \$ Million, as of July 2020)

## BY SUBSECTOR



## BY OPERATIONS DEPARTMENT





# **3** | **Water and Sanitation Rebuilding and Resilience post-COVID-19**

## Key themes WASH:

### **Drinking water**

Safe Water Enterprises  
Household water treatment & safe storage

### **Sanitation**

Toilet economy  
Circular sanitation economy

### **Water Resources Management**

**Recharge, Retention and Reuse (3R)**  
Water efficiency

## ADB Water Sector Group Challenge: “Making Water Count”

- **Bridge the Service and Finance gaps:**  
“missing link between solution and funding”
- **Innovation, sustainability and inclusion**  
**What? How? for Whom ? :**
  - Using grant money to **mobilize public & private capital**
  - Supporting **innovations** to **scale** up
  - Identifying **viable solutions**: “make solutions investment ready”
  - Catalyzing an **enabling environment**: “missing middle”

# Water and Sanitation (post) COVID-19:

## 5 areas to focus on:

- Raise public awareness about hand hygiene
- Strengthen infection prevention and control
- Guarantee that everyone has access to a minimum level of water and sanitation
- Ensure the continuity and safety of water and sanitation services
- Provide practical and financial support to water and sanitation service providers

## The ADB e-Marketplace

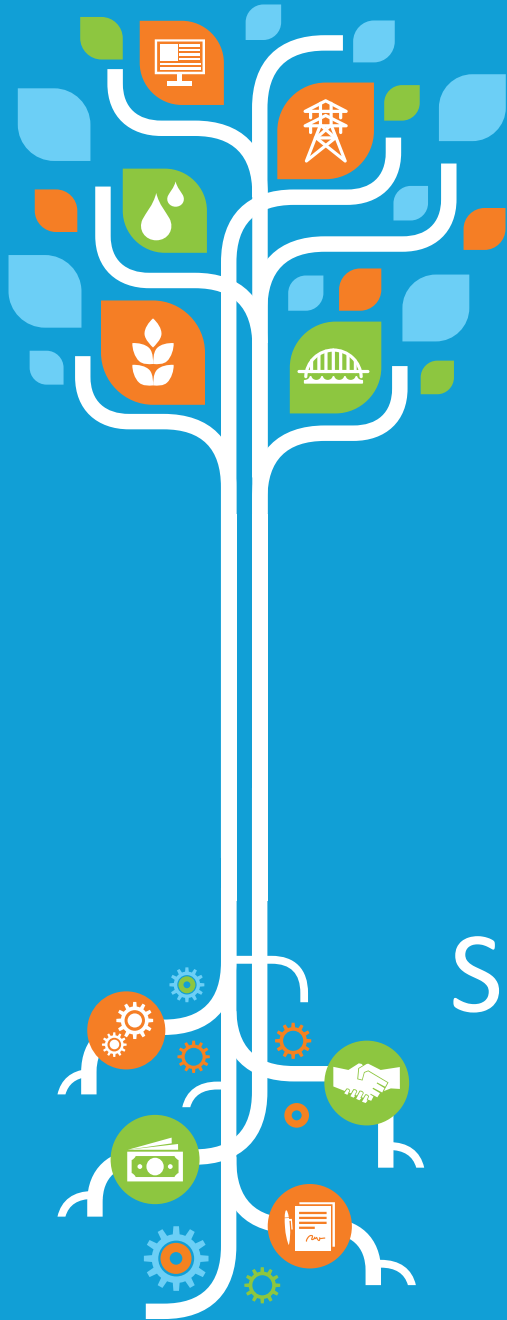
Platform for government officials, water services and management solutions providers, development professionals, academia, and the private sector from ADB's developing member countries and connect them with providers of digital technology and best practices on products, tools and technologies for delivering smart, resilient, safe, and inclusive water management and services delivery. The e-Marketplaces also showcase selected innovative projects, tools, and publications developed and supported by ADB and its partners.





## Tips and advise:

- Collect relevant business intelligence:
- Study the Country Partnership Strategy (CPS) and Country Operations Business Plan (COBP)
- Know the country of the assignment and project site
- Study ADB project cycle
- Register in ADB Consultant Management System
- If interested in water projects, look under the following project categories: ANR, ENE, WUS
- Make yourself known to ADB (HQ and Resident Mission)
- Find good local partners or offer partnership to firms likely to be shortlisted
- Review procurement plans, procurement notices and



# THANK YOU!

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