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ADB Business Opportunities Water Sector Group

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BUSINESS OPPORTUNITIES 

ADB Countries with High Baseline Water Stress



Extremely High Water Stress

- India
- Pakistan
- Turkmenistan

High Water Stress

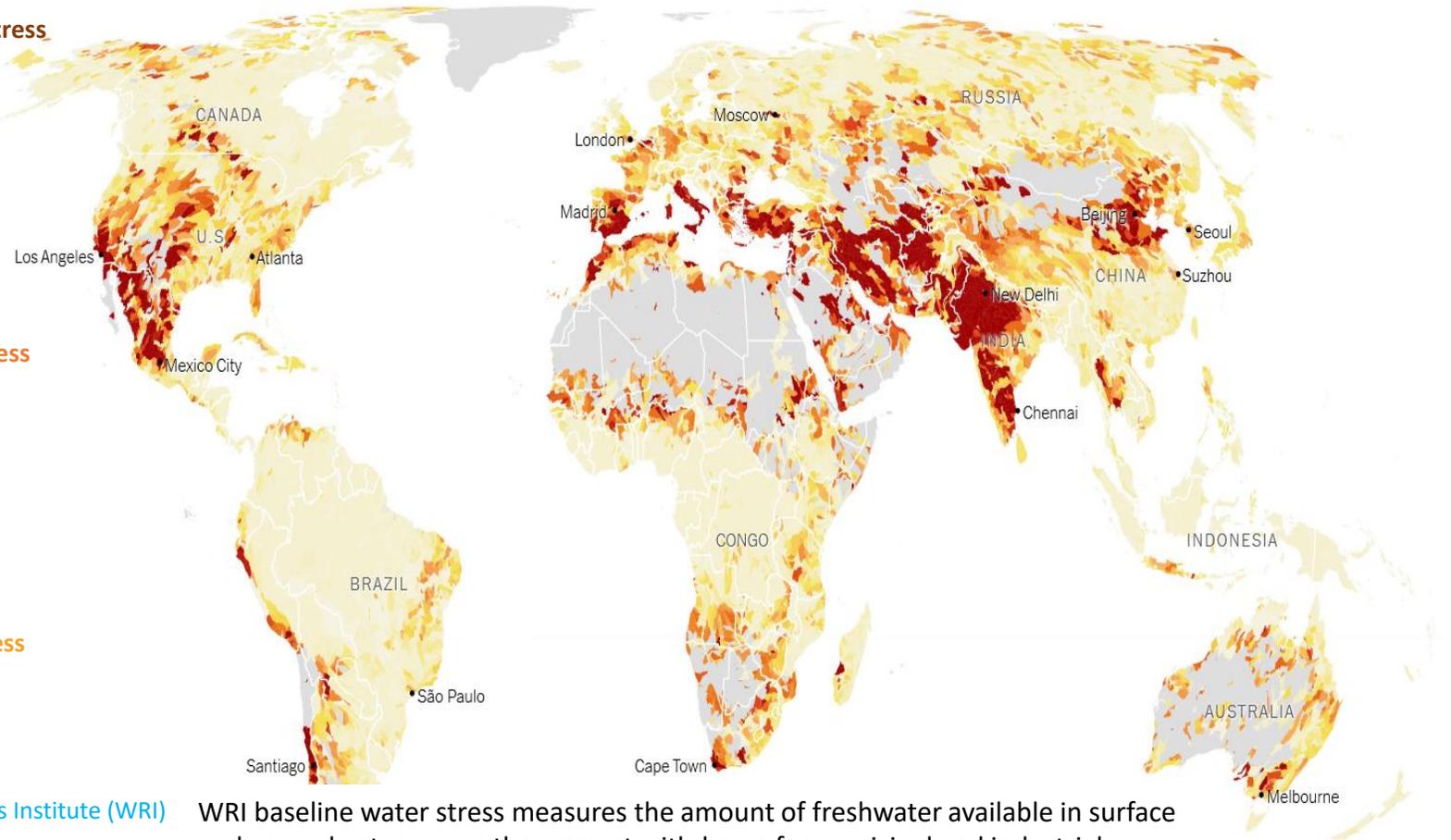
- Uzbekistan
- Afghanistan
- Armenia
- Kyrgyzstan
- Nepal

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WRI baseline water stress measures the amount of freshwater available in surface and groundwater versus the amount withdrawn for municipal and industrial uses.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

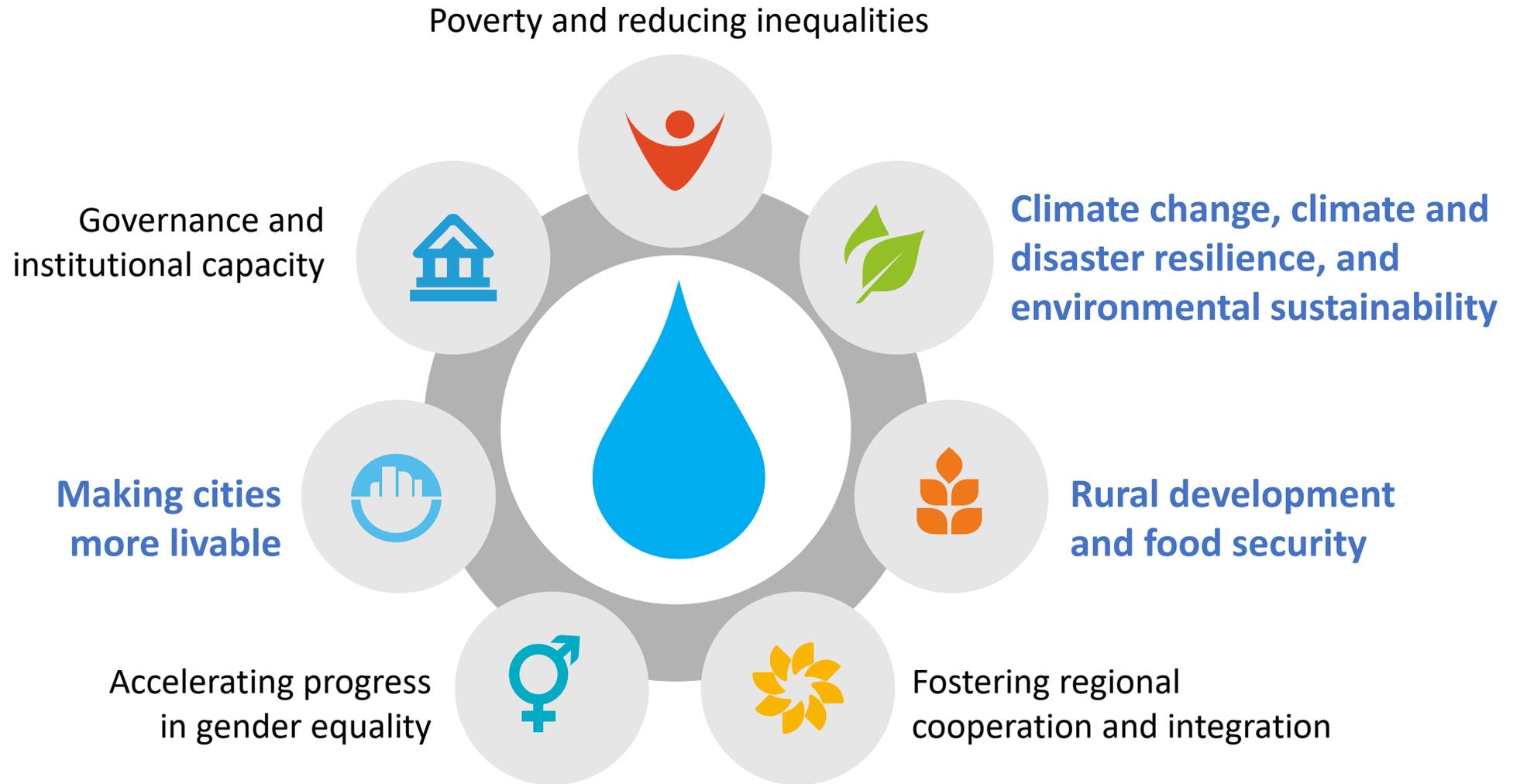
- Worldwide Insufficient funds

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.

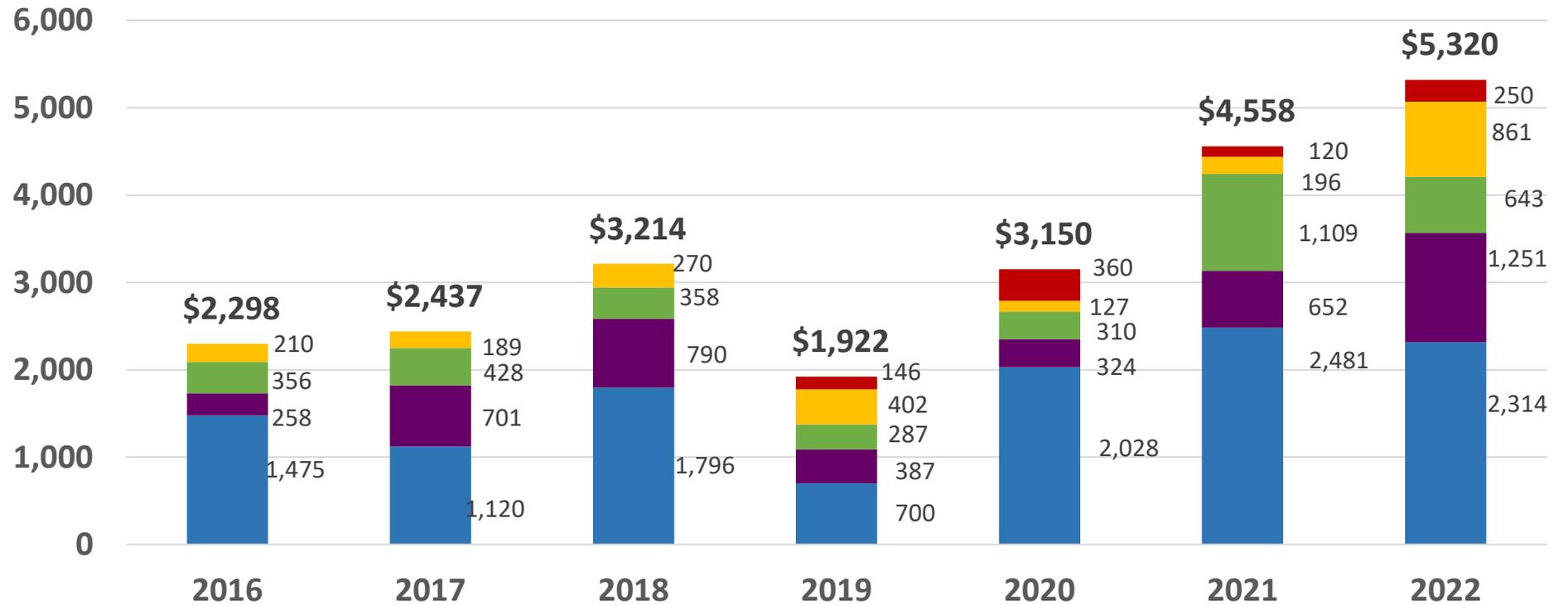
*UN Water



2 | WSG Operations and Achievements

WSG Lending History and Pipeline by Subsector

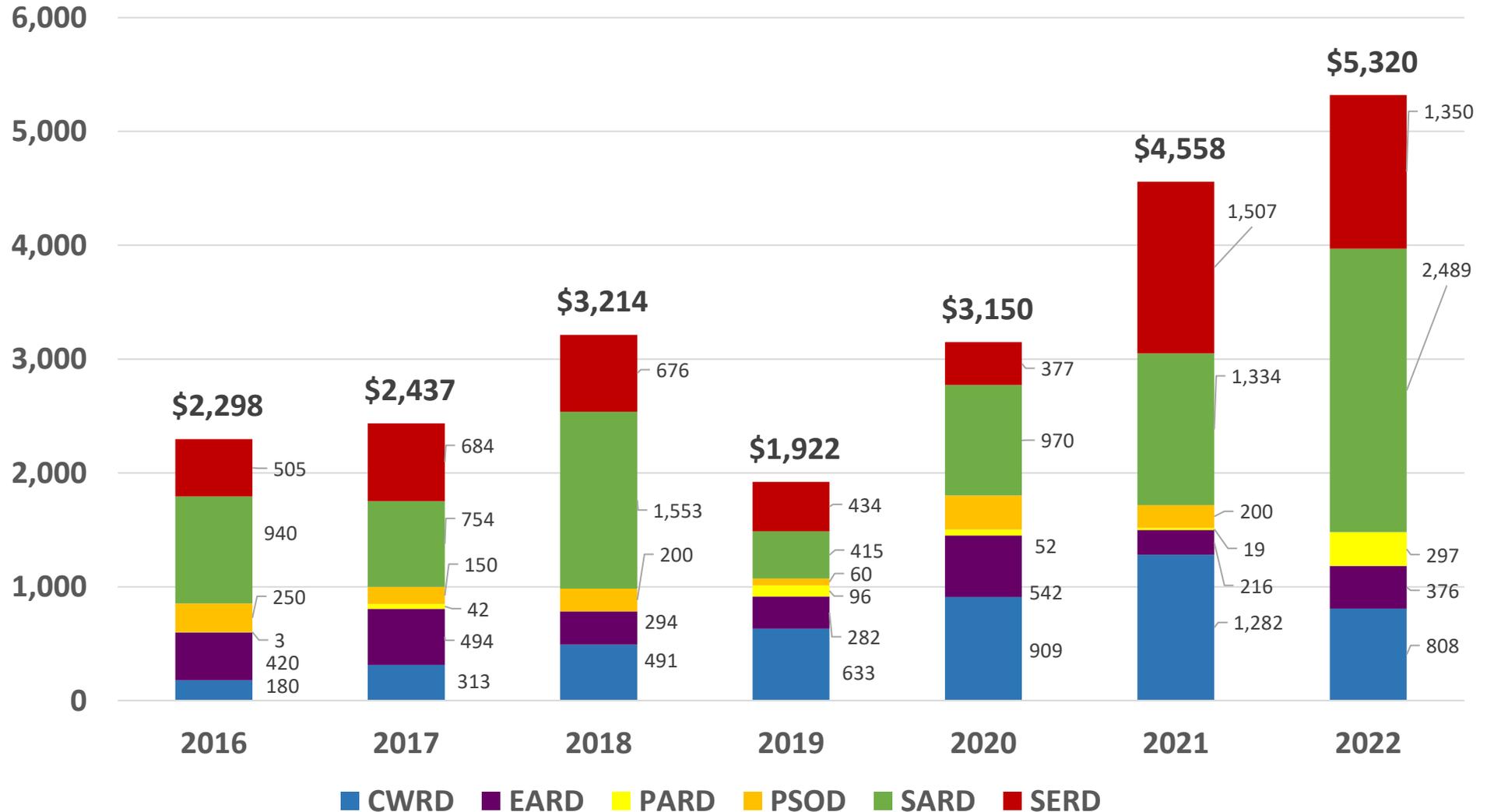
(in \$ Million)



- Hydropower
- Water resources management
- Flood risk management
- Irrigation and drainage
- Water supply, sanitation, and wastewater management

WSG Lending History and Pipeline by Operational Department

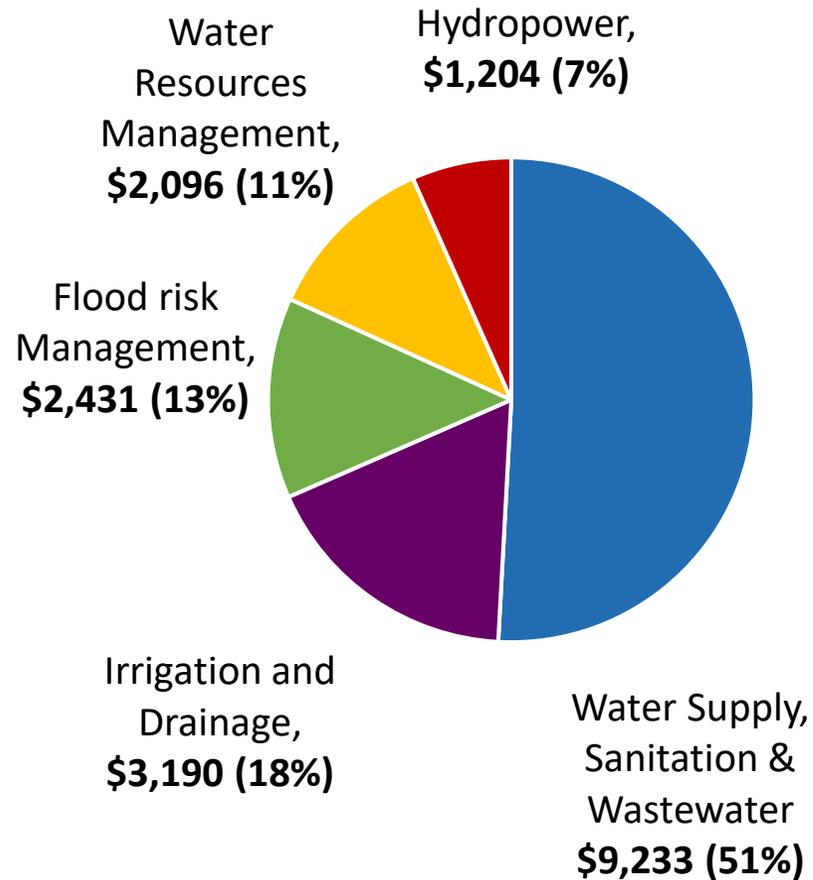
(in \$ Million)



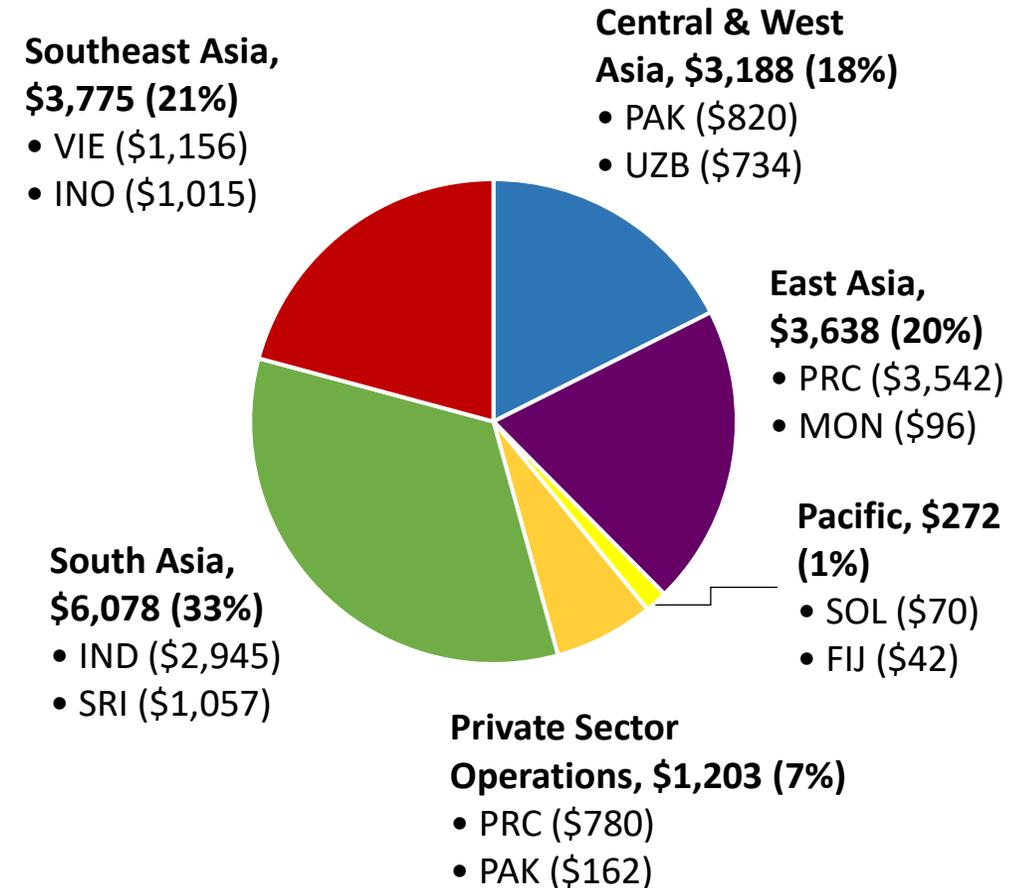
ACTIVE WSG PROJECTS

(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.

The banner features a light blue background with a geometric pattern of overlapping triangles. In the top left corner, there are three logos: the ADB logo, the Japan Fund for Poverty Reduction logo, and the Urban Climate Change Resilience Trust Fund logo. The main text is centered and reads: 'Catalyzing Innovations and Digitization for Safe, Sustainable, Resilient, and Inclusive Water Management LAUNCH OF E-MARKETPLACE AND PUBLICATIONS'. At the bottom center, the dates '15-19 March 2021' are displayed.

ADB Japan Fund for Poverty Reduction URBAN CLIMATE CHANGE RESILIENCE TRUST FUND

**Catalyzing Innovations and Digitization for
Safe, Sustainable, Resilient, and Inclusive Water Management**

LAUNCH OF E-MARKETPLACE AND PUBLICATIONS

15-19 March 2021

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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