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Water Security and Resilience in Asia and the Pacific

An overview of ADB's Water Sector Portfolio, Projects and Programs

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BUSINESS OPPORTUNITIES 

Outline

**Water Security in
Asia and the
Pacific**

Sector Challenges

**ADB's Water Sector
Portfolio**

**ADB's Actions to
Support Water
Resilience in Asia and
the Pacific**

Asia Pacific Water Sector Challenges



Climate change is being primarily felt through water through intensification of the water cycle. The region accounts for 40% of disasters triggered by natural hazards and 84% of the people they affect



Wetlands destruction is driving biodiversity loss. More than 30% of the global biodiversity has been lost because of the degradation of fresh-water ecosystems.



Food security depends on water security. Agriculture consumes an average of 70% of freshwater. Irrigation is the primary driver of groundwater pollution. Growing demand for food will increase pressure on water resources.



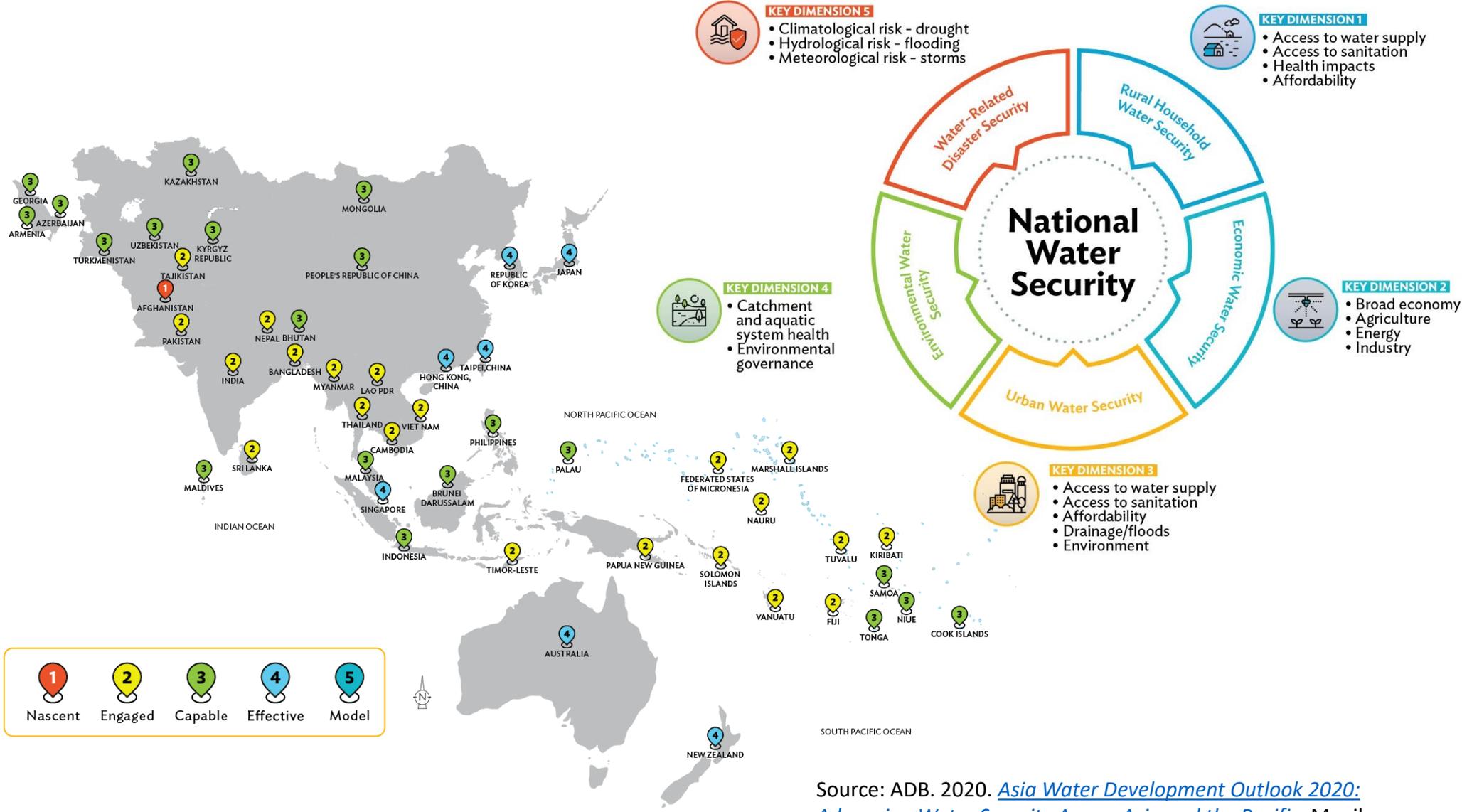
Water quality is deteriorating. 80% of urban wastewater is discharged untreated. Saline intrusion and arsenic are also growing threats to groundwater quality.



Inadequate access to basic water supply and sanitation services. 500 million people without access to basic water supplies, 1.14 billion people without access to sanitation.

State of Water Security in Asia and the Pacific

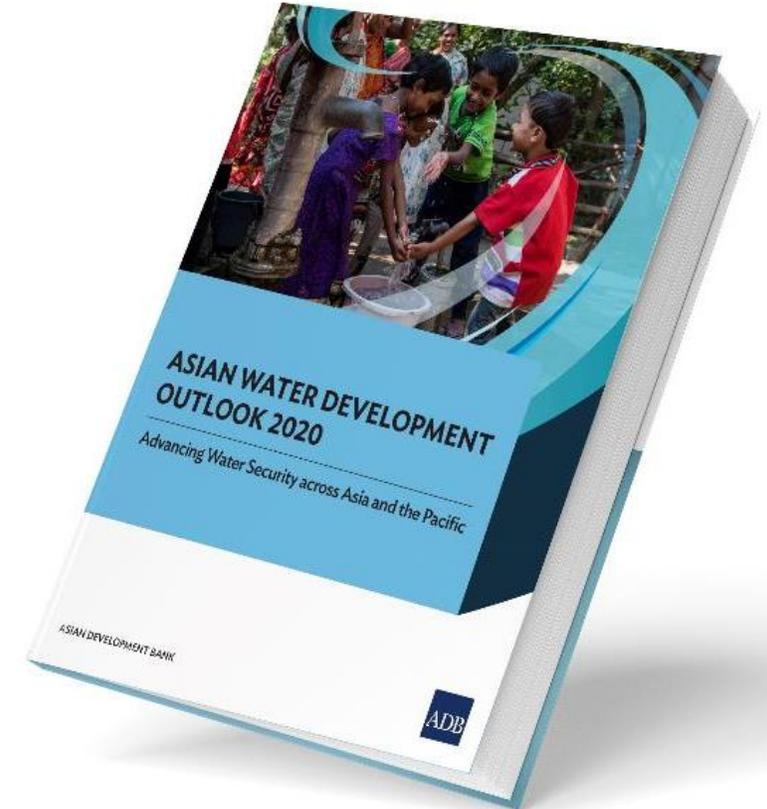
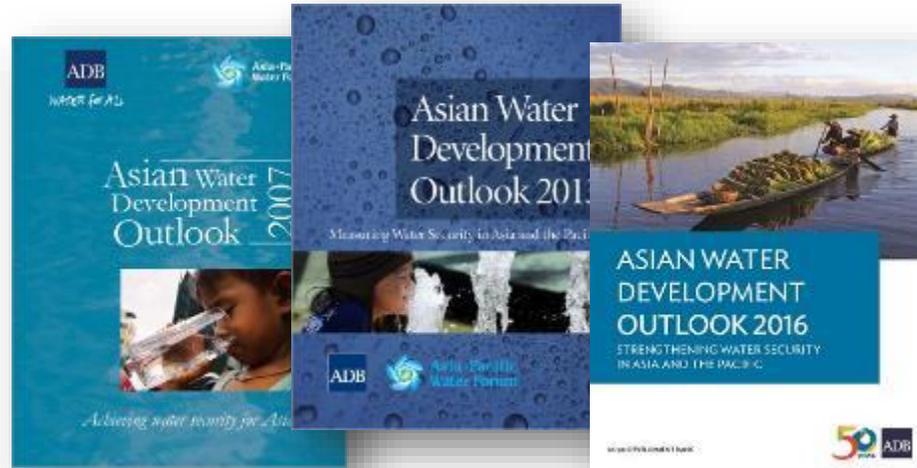
ADB



Source: ADB. 2020. [Asia Water Development Outlook 2020: Advancing Water Security Across Asia and the Pacific](#). Manila

Water Security in Asia and the Pacific: The AWDO Journey

ADB Flagship Publication



AWDO 2020 Objectives

- **Communication tool** on water security for Asia and the Pacific
- **Inform and guide policy reforms** and investments
- Show water security progress - 2013, 2016, 2020

AWDO 2020 Partners



Asia Pacific Water Sector Challenges



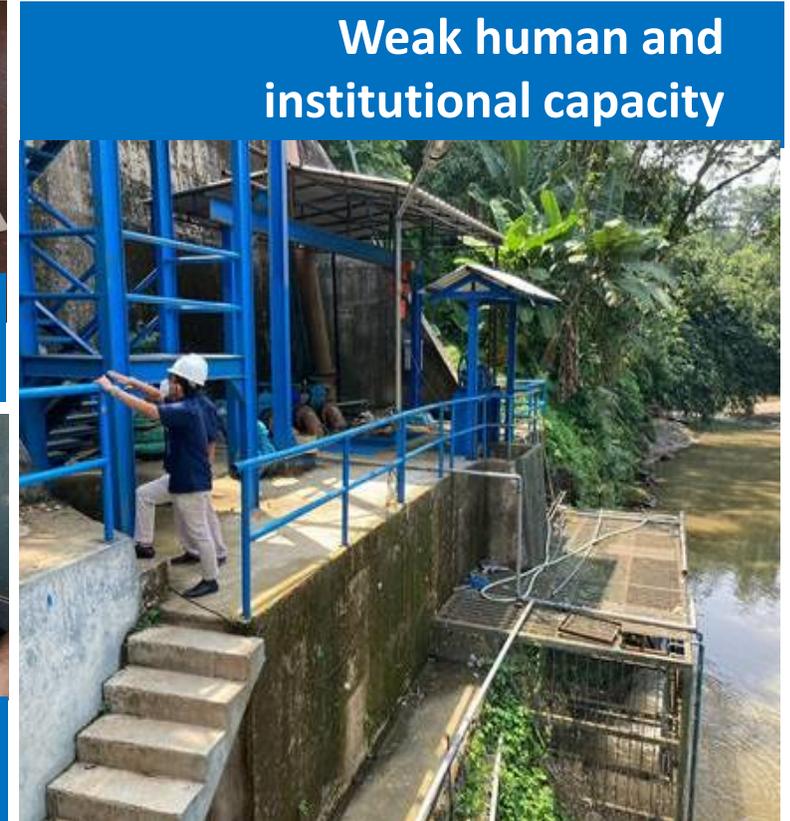
Poor governance



Low financial sustainability



Low uptake of digital technologies



Weak human and institutional capacity

What is ADB doing to meet Asia's Water Challenges?

ADB



1. Mainstreaming and expanding climate adaptation in projects and policies

- Building resources and capacities of ADB staff and water entities on the ground for climate actions, green infrastructure, Paris Agreement alignment, and operating in the 'new normal'

2. Strengthening enabling environment and availing modalities and tools

- Improving operational sustainability, increase private financing, and local resource mobilization

3. Streamlining processes and practices

- For cross-sector, cross-theme, cross-region collaboration for integrated planning and implementation.

4. Expanding digitalization and technological innovations

- Partnering with both public and private sector, as an entry point for increasing private sector participation, transboundary cooperation, and asset management

5. Conducting upstream sector diagnostics

- Deepening entity-level and country-level engagements and providing demand-driven knowledge services



Vision: Advancing a Water-Secure and Resilient Asia and the Pacific

ADB



Poverty



Gender



Climate, Disasters
and Environment



Liveable Cities



Food Security and
Rural Development



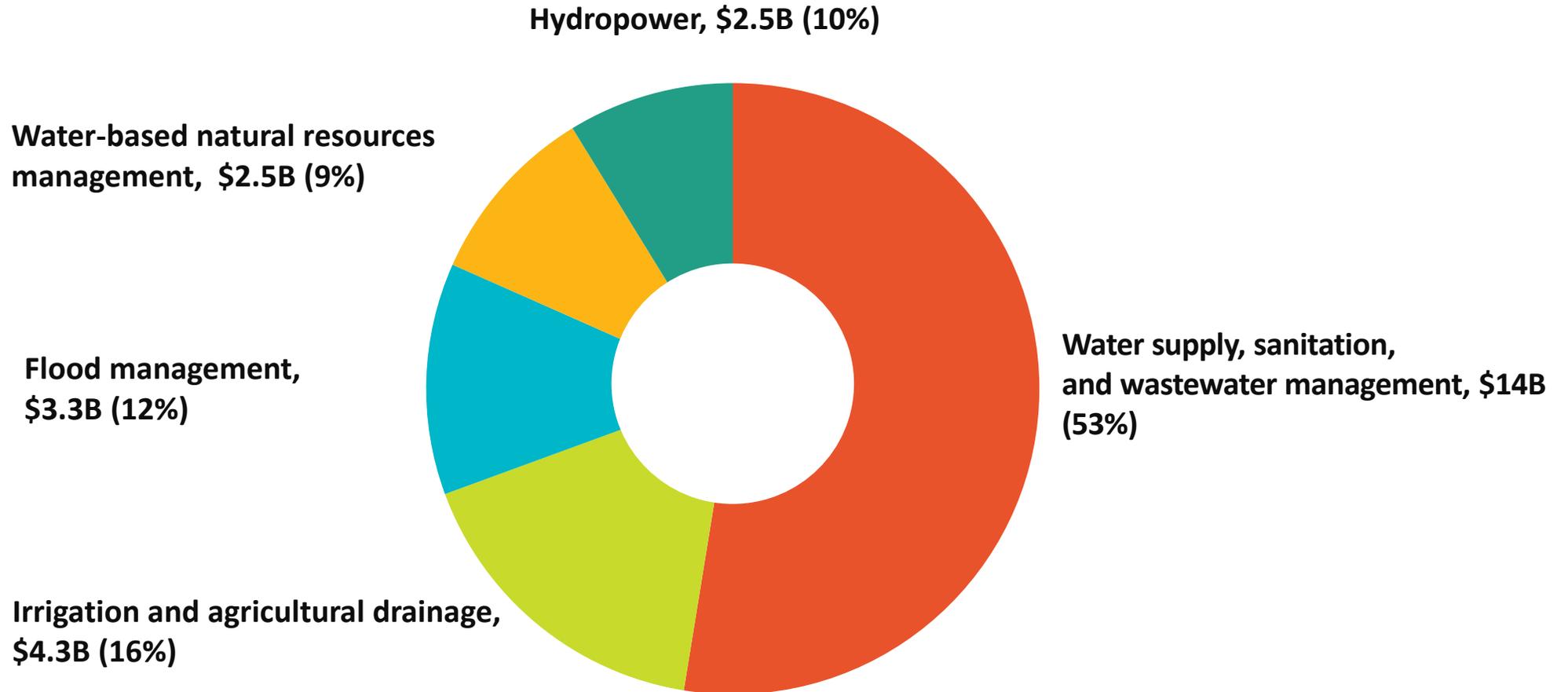
Governance



Regional
Cooperation

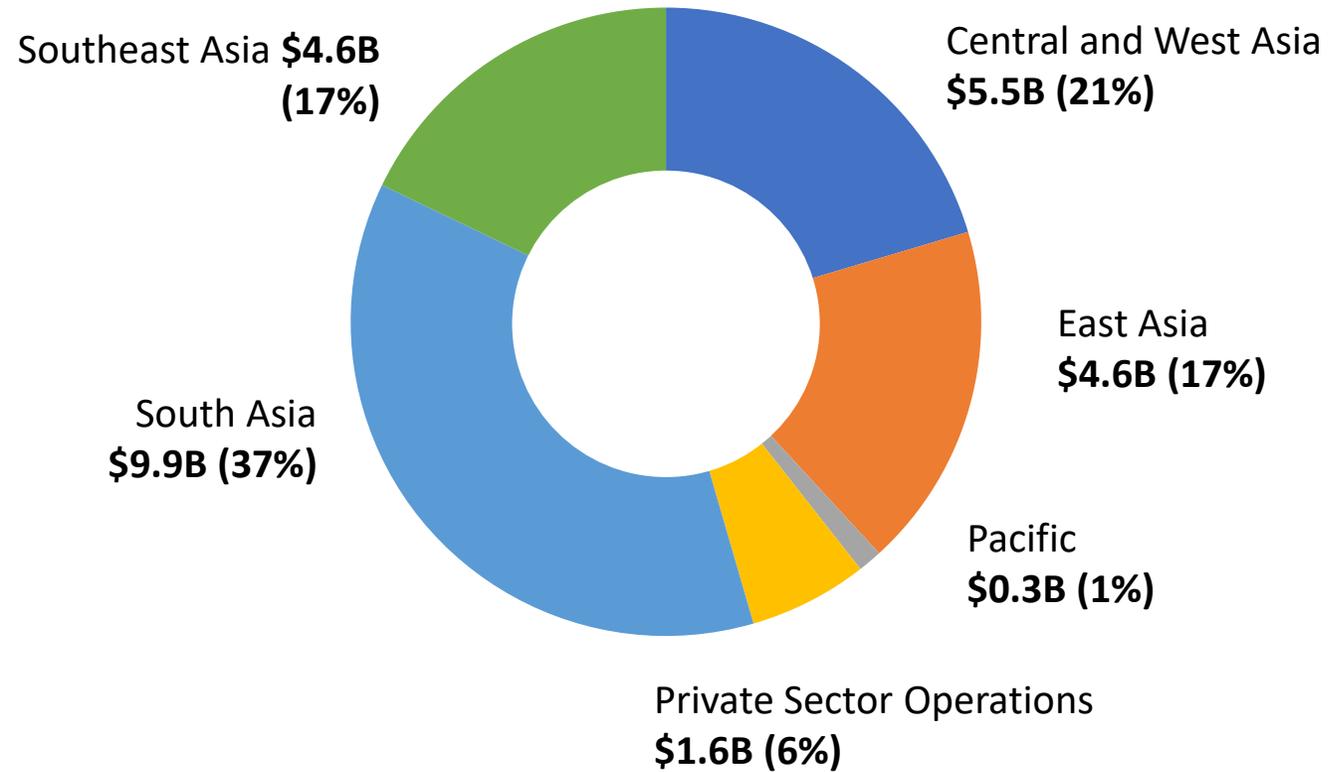
ADB's Water Sector Portfolio

The total 2011-2022 water sector portfolio is around **\$26.6 billion**, directly supporting water security and resilience for at least **650 million people**.



ADB's Water Sector Portfolio

Regional Breakdown



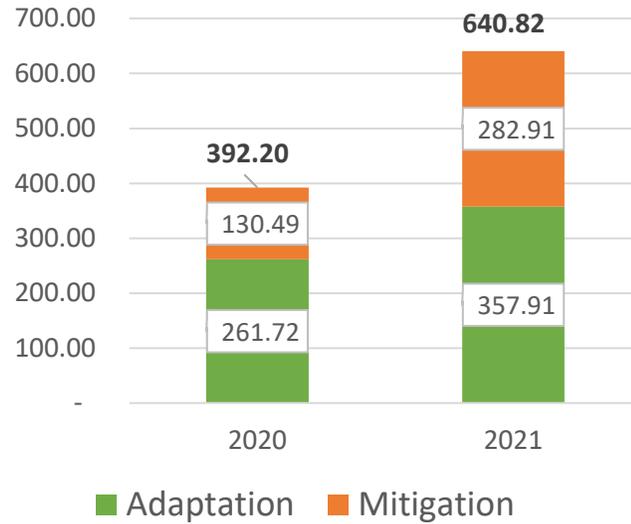
NOTE: Discrepancies in total due to rounding-off.

\$26.6 billion

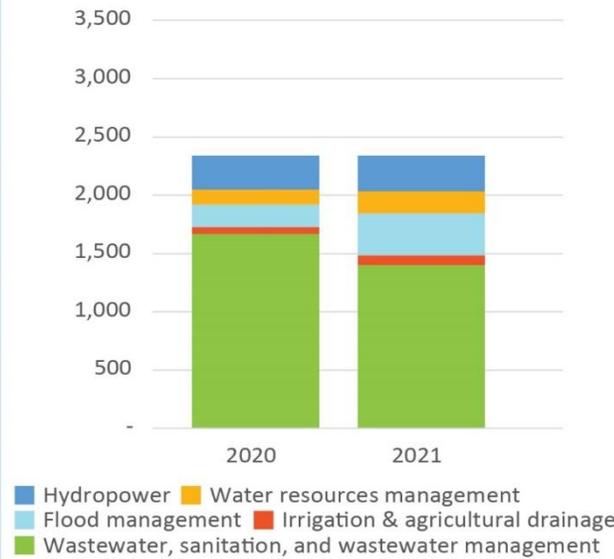
Amount of the total 2011-2022 water sector portfolio

Climate Financing

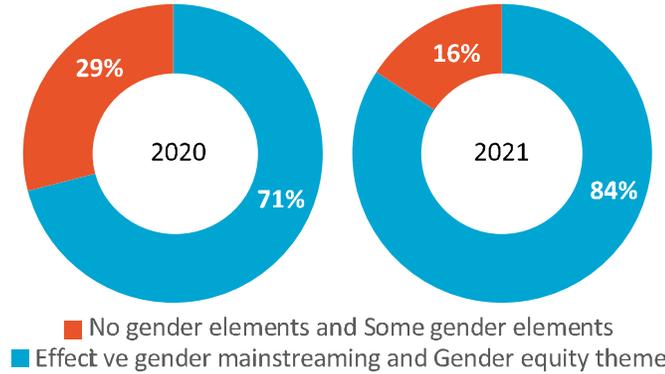
(in \$ million, Denominator size same in 2020 & 2022 ~2.3B)



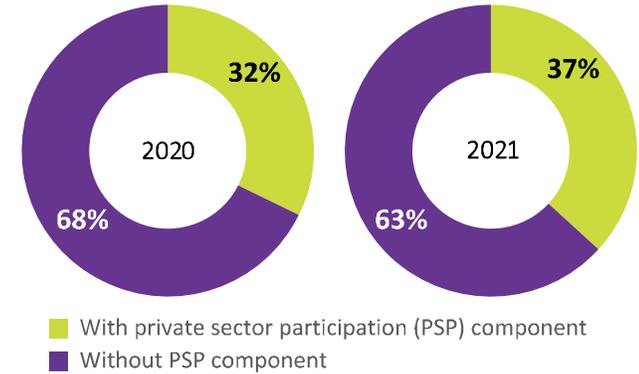
Toward a Diversified and Adaptation Focused Portfolio (\$ million)



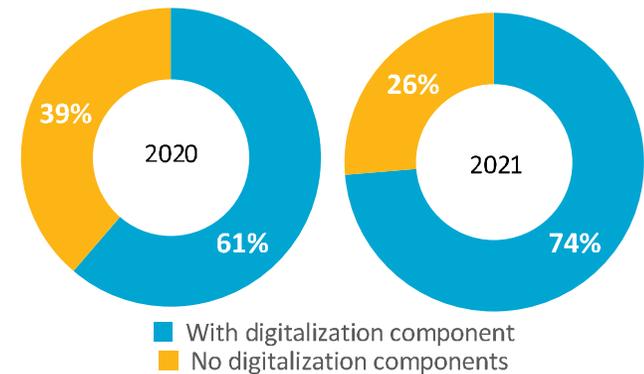
Deepening Gender Mainstreaming



Boosting Private Sector Participation

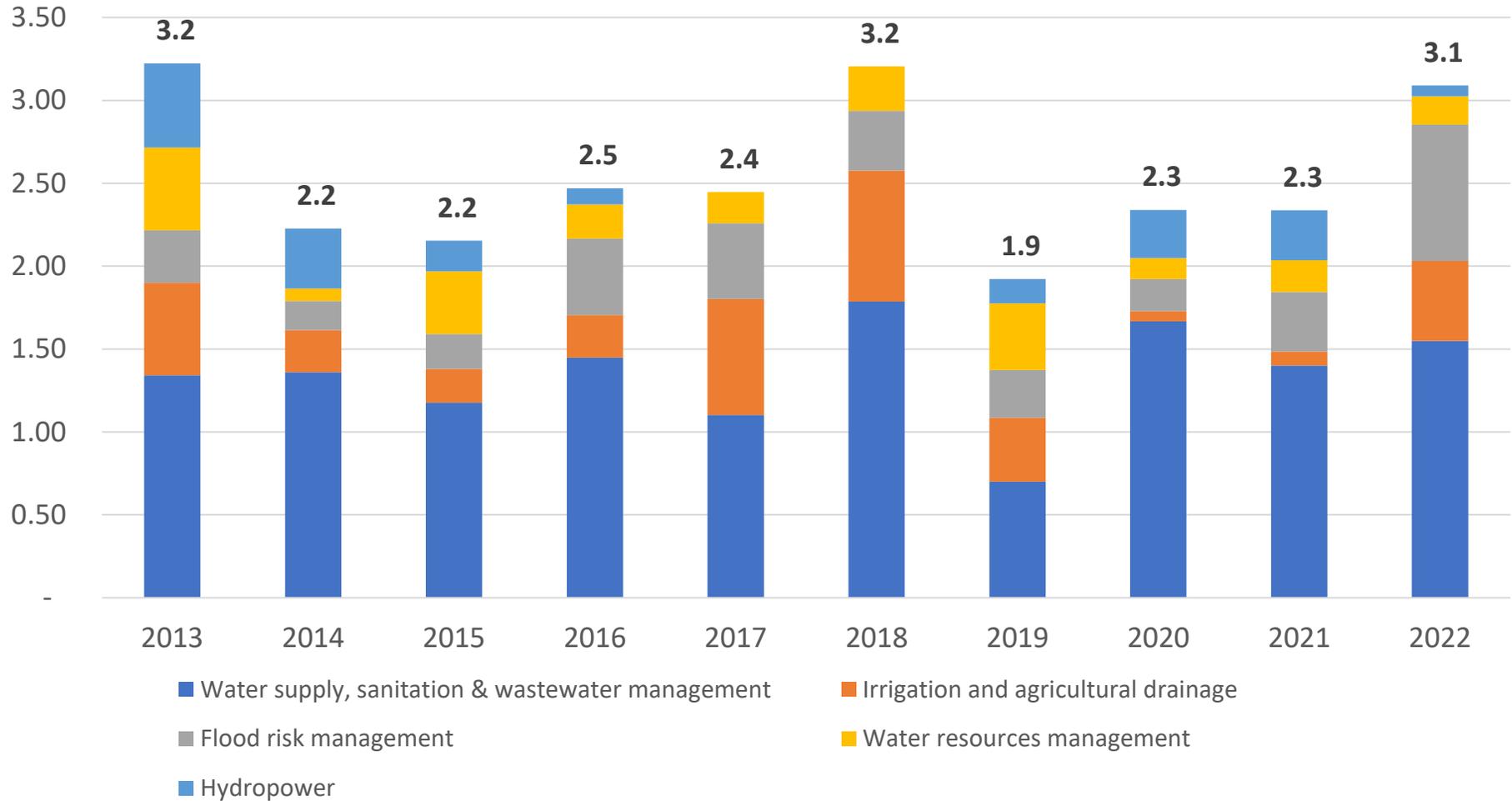


Increasing Digitalization



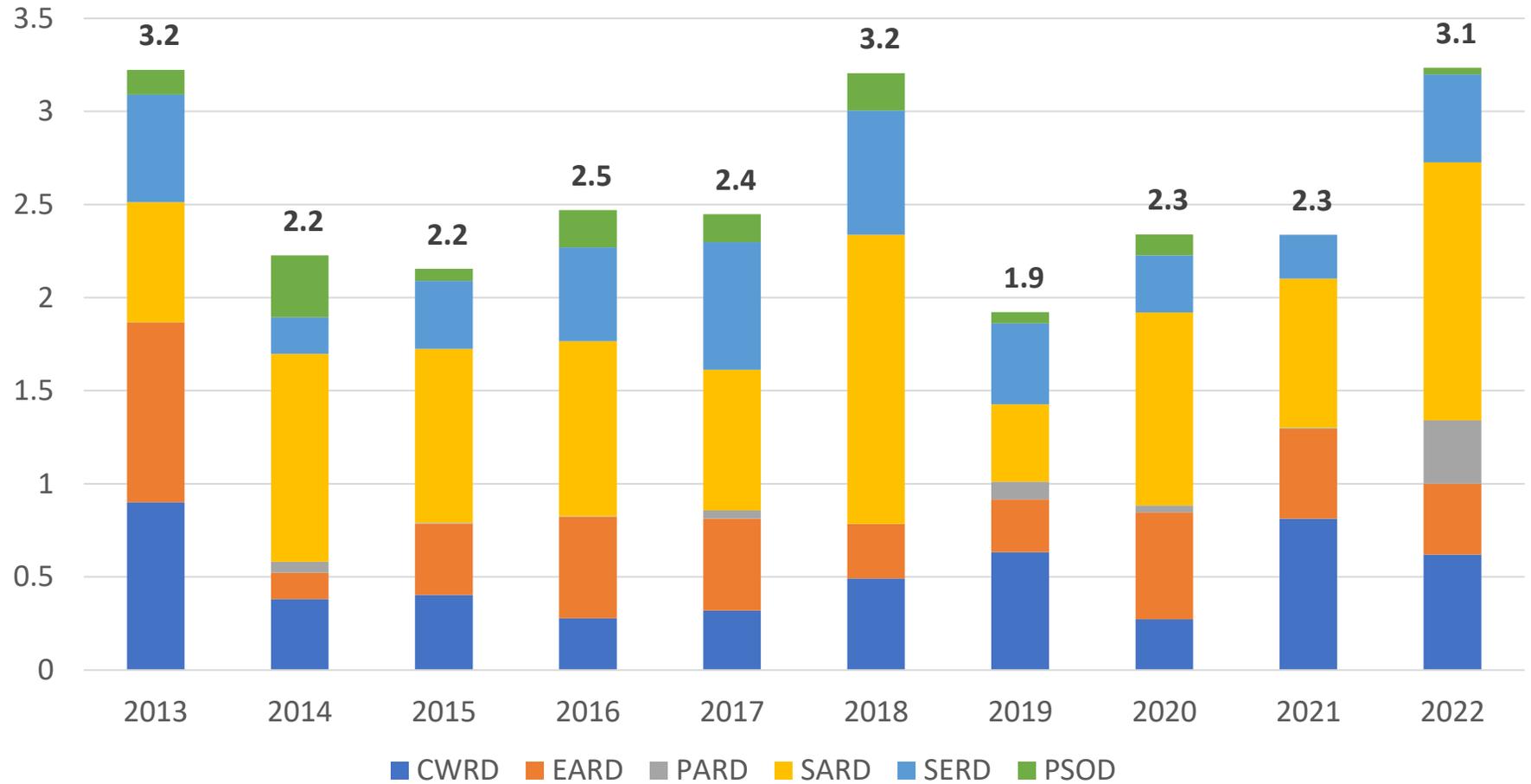
WSG Lending History and Pipeline by Subsector

(in \$ Billion)



WSG Lending History and Pipeline by Operations Department

(in \$ Billion)

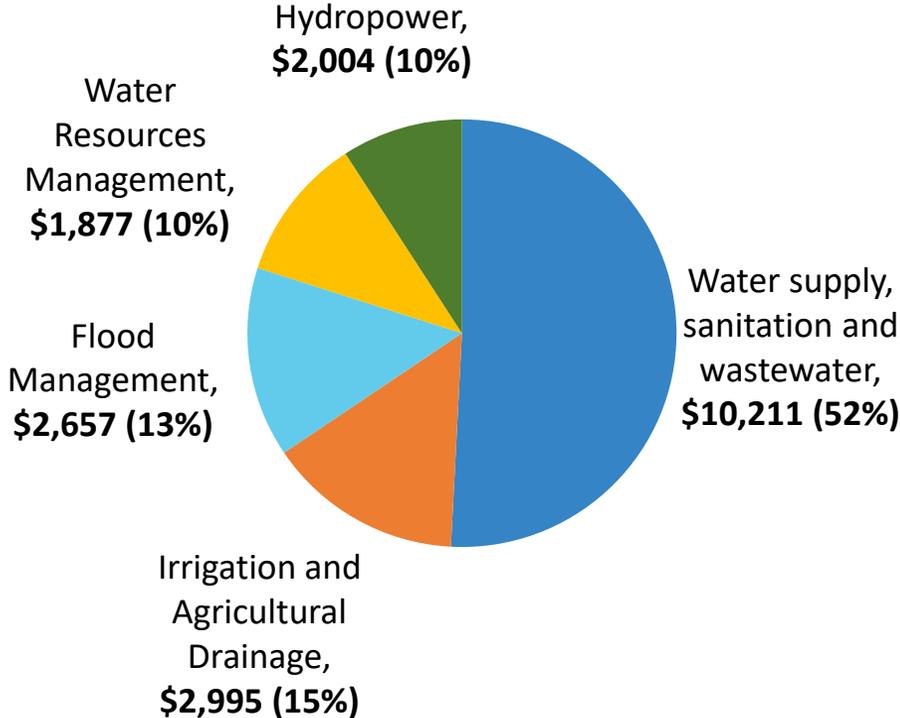




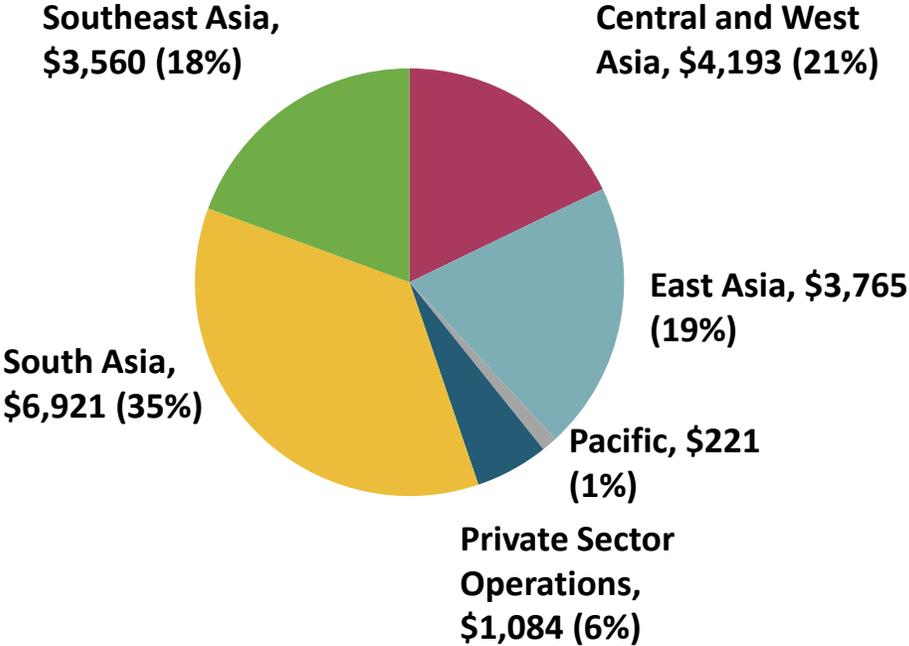
ACTIVE WSG PORTFOLIO - \$19.74 billion

(in \$ Million)

SUBSECTOR



OPERATIONS DEPARTMENT

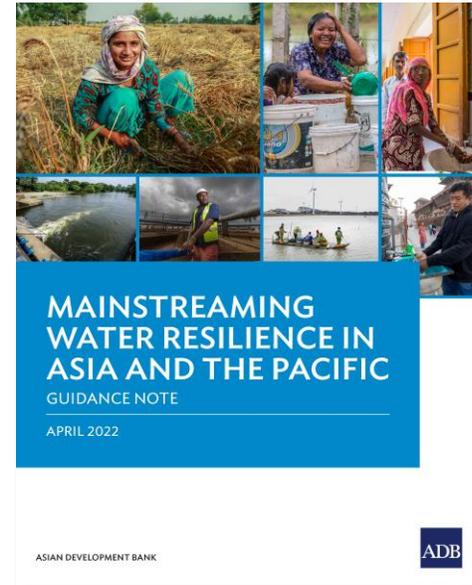


ADB's Actions to Support Water Resilience in Asia and the Pacific

Asia and Pacific the most disaster affected region in the world, home to more than 40% of global calamities and 84% of people they affect.

ADB water sector group's latest initiatives on building resilience of water entities:

- **RUWR: aRe yoU Water Resilient**
(Introductory video: [RUWR](#))
- **Guidance Note on Mainstreaming Water Resilience in Asia and the Pacific**
- **Water Resilience Hub for Asia and the Pacific (add link)**



Putting **climate adaptation as the driver** and at the core of projects and policies

Building resources and capacities of water entities on the ground for climate action and **green, inclusive, and resilient post-pandemic recovery of Asia and the Pacific**



For more on **ADB Water**, follow us here:

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