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ADB

ADB Business Opportunities Water and Agricultural and Natural Resources

Canada, 9 December 2021

Jelle Beekma, Sr. Water Resources Specialist ADB: jbeekma@adb.org

BUSINESS
OPPORTUNITIES

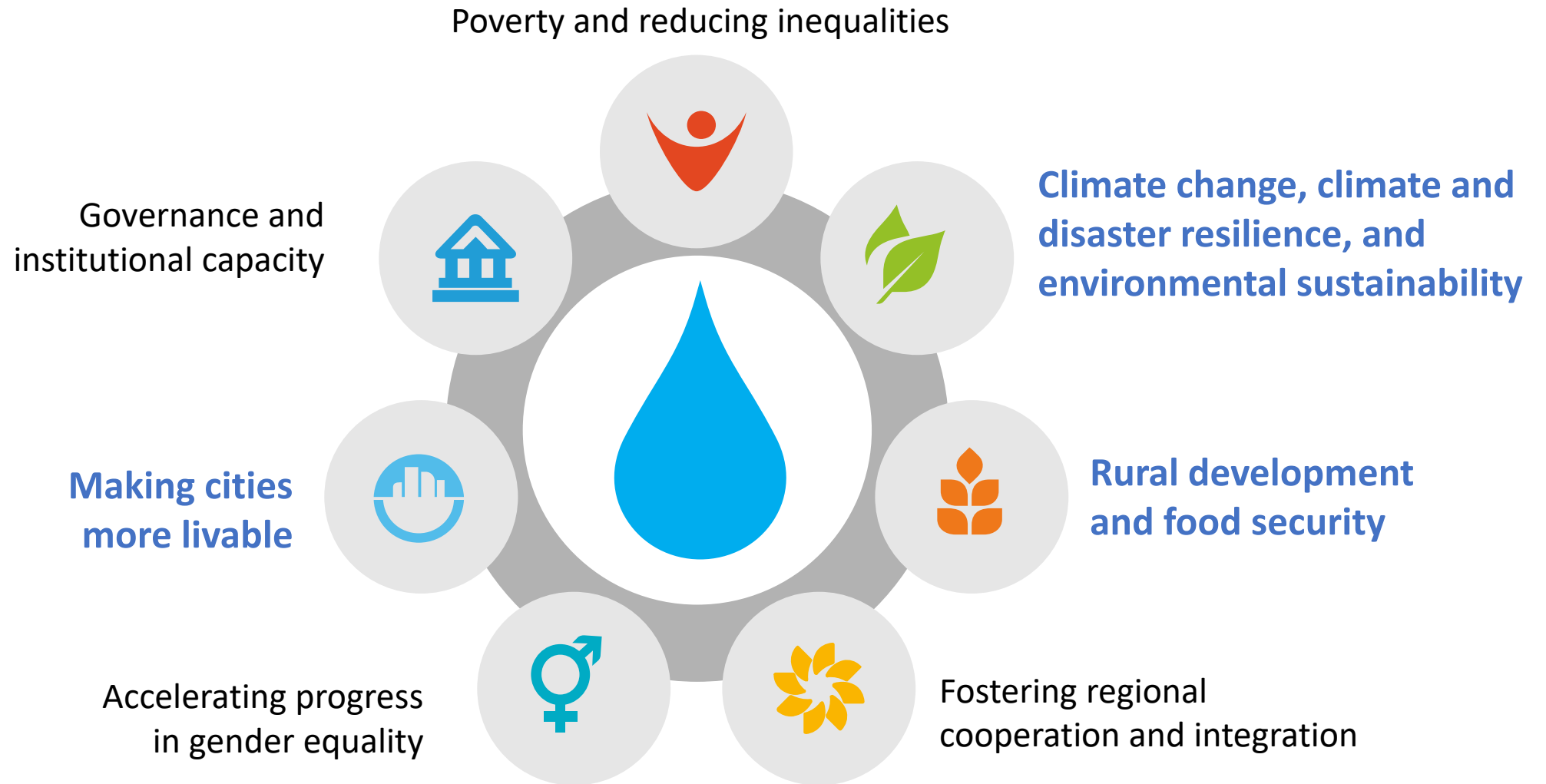
Overview

- ADB's strategic focus
- Sector portfolio
- Innovation and opportunities
- Post COP 26 developments



1 | Strategic Focus

Strategy 2030: Seven Operational Priorities



Holistic and Integrated Approach

Climate change financing

- 75% of ADB's investments supporting climate actions and to achieve \$80 billion of climate financing by 2030.
- All sovereign projects to be Paris aligned by 2023;
- Non-sovereign operations will reach 85% by 1 July 2023 and 100% by 1 July 2025.



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 Financing Partnership Facility

COVID-19 PANDEMIC

ACTIONS FOR THE NEW NORMAL

SHORT-TERM ACTIONS



Promote active government role



Bring markets to consumers



Ensure access to inputs



Collect, disseminate accurate and timely data, information



Ensure smooth domestic, international trade



Expand social protection systems



Strengthen links between health and agriculture

MEDIUM- & LONG-TERM ACTIONS



Ensure food stocks



Invest in wholesale markets, food safety and traceability, cold chain



Bridge digital divide



Harness high-level technologies



Transform smallholder farming



Create rural economic hubs



Address challenges faced by rural women



Reduce urban bias



Design innovative platforms, mechanisms



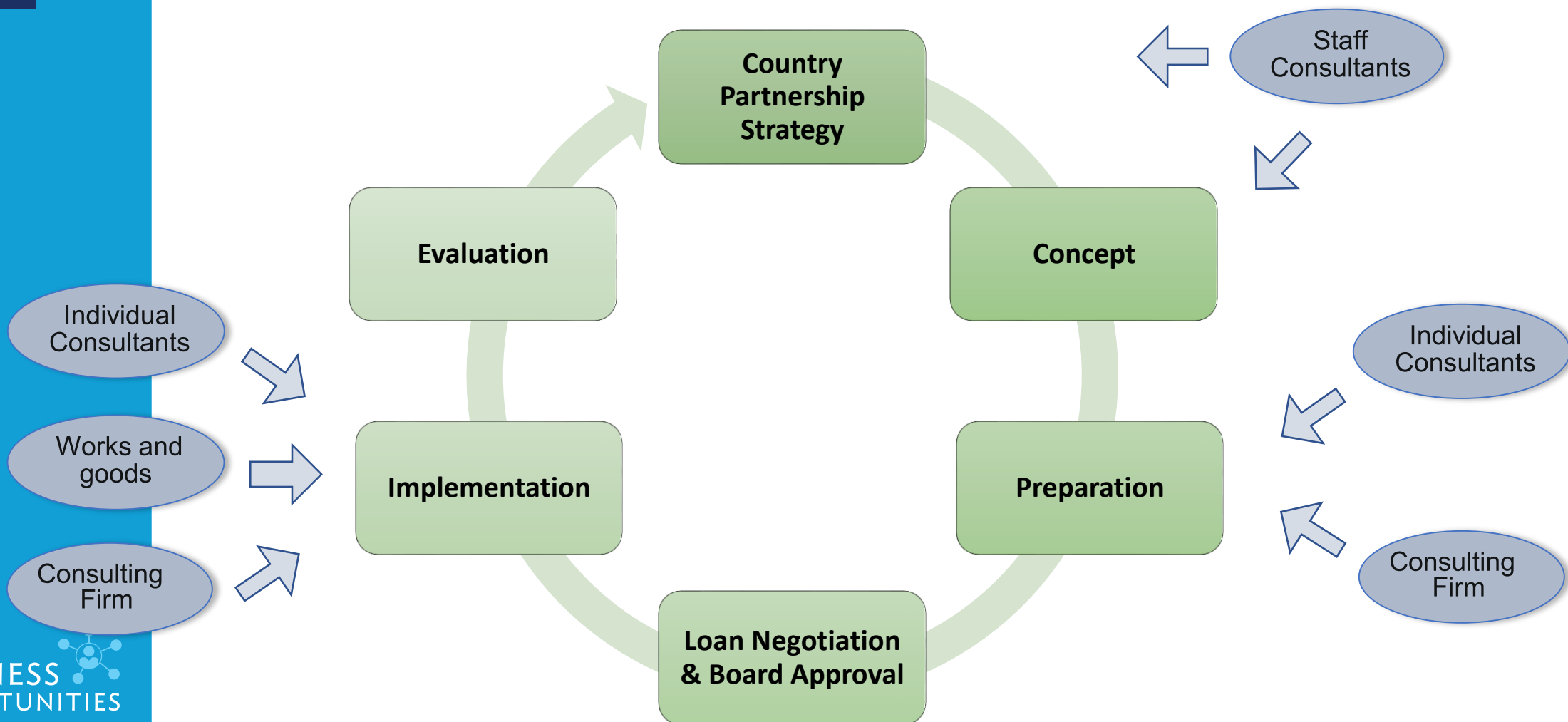
Increase resilience and self-sufficiency

The New Normal and Associated Water Sector Investments

- **More inclusive WASH: Strengthening linkage between WASH, health and wastewater infrastructure.**
- **Acceleration of the digital utility**
- **Building capacity and strengthening financial sustainability of water service providers**
- **Increased safe and resilient water service provision**
- **Building resilience to absorb shocks and stresses due to pandemics, disasters, and climate change.**
- **Prioritize resumption of critical capital works and infrastructure maintenance and inspections.**
- **Diversification of supply chains Irrigation and drainage modernization.**
- **A green and nature-positive recovery.**

2 | Overview of ANR Pipeline

ADB Project Cycle and Key Moments of Interest

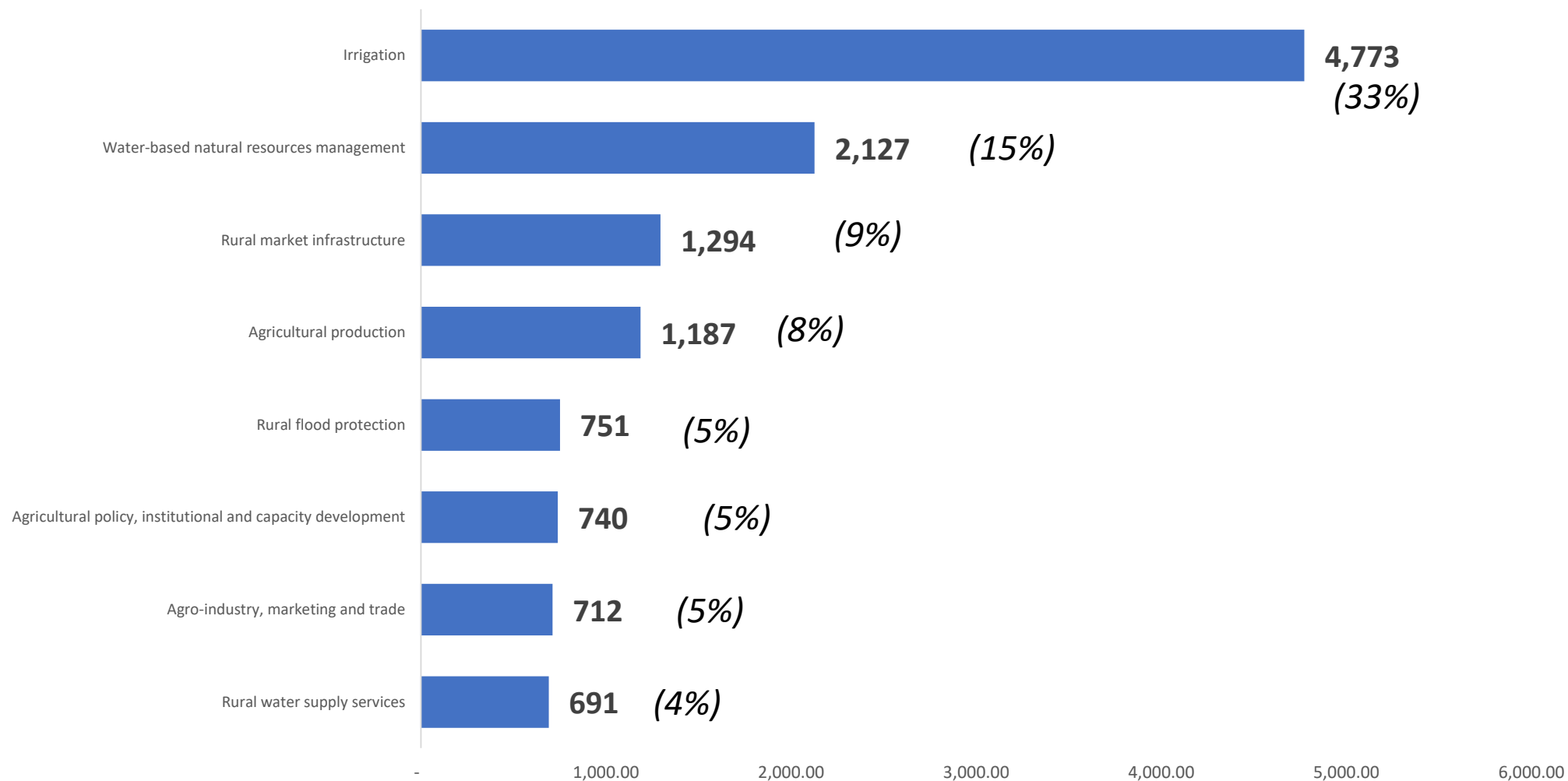


ANR Sector Pipeline



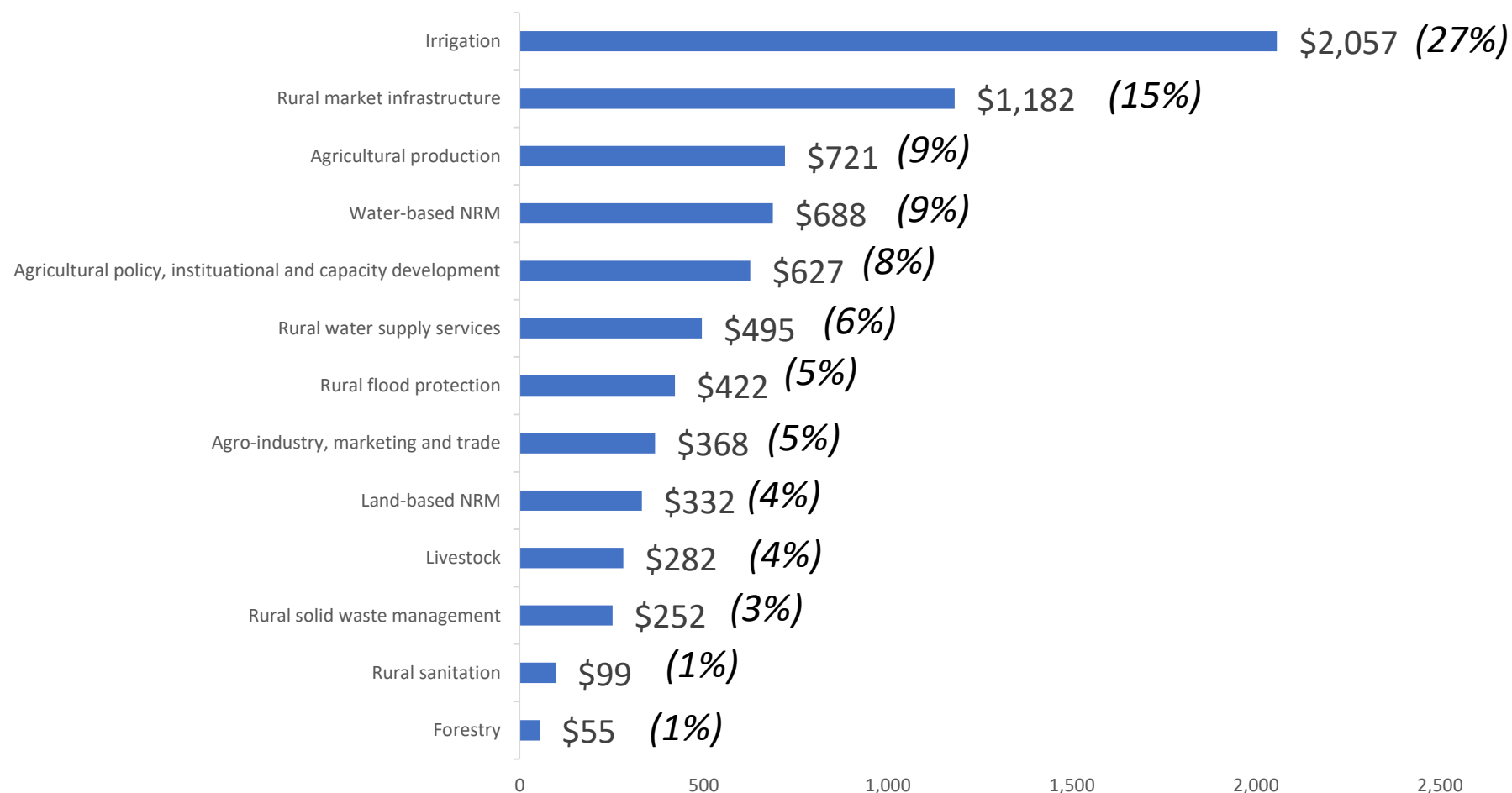
<https://www.adb.org/projects>

2009-2020 ADB Investment in ANR by Subsector (\$ million, % share)



*Based on 2009-2016 are approved projects while 2017-2020 are committed projects.

2017-2020 ADB Investment in ANR by Subsector (\$ million, % share)

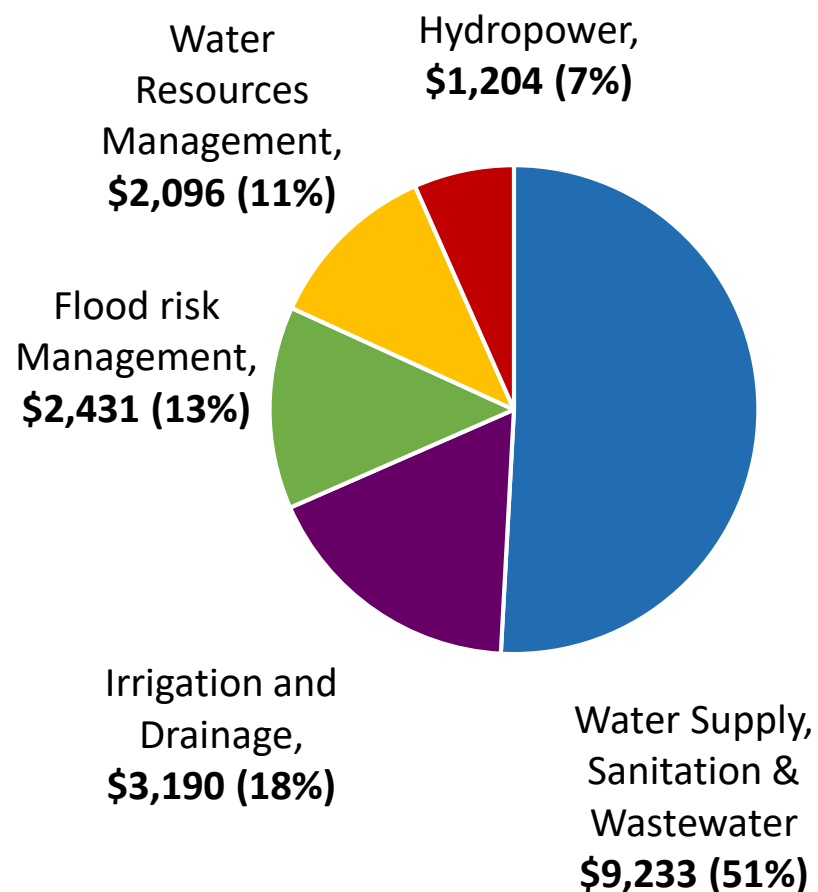


*Based on 2017-2020 committed projects.

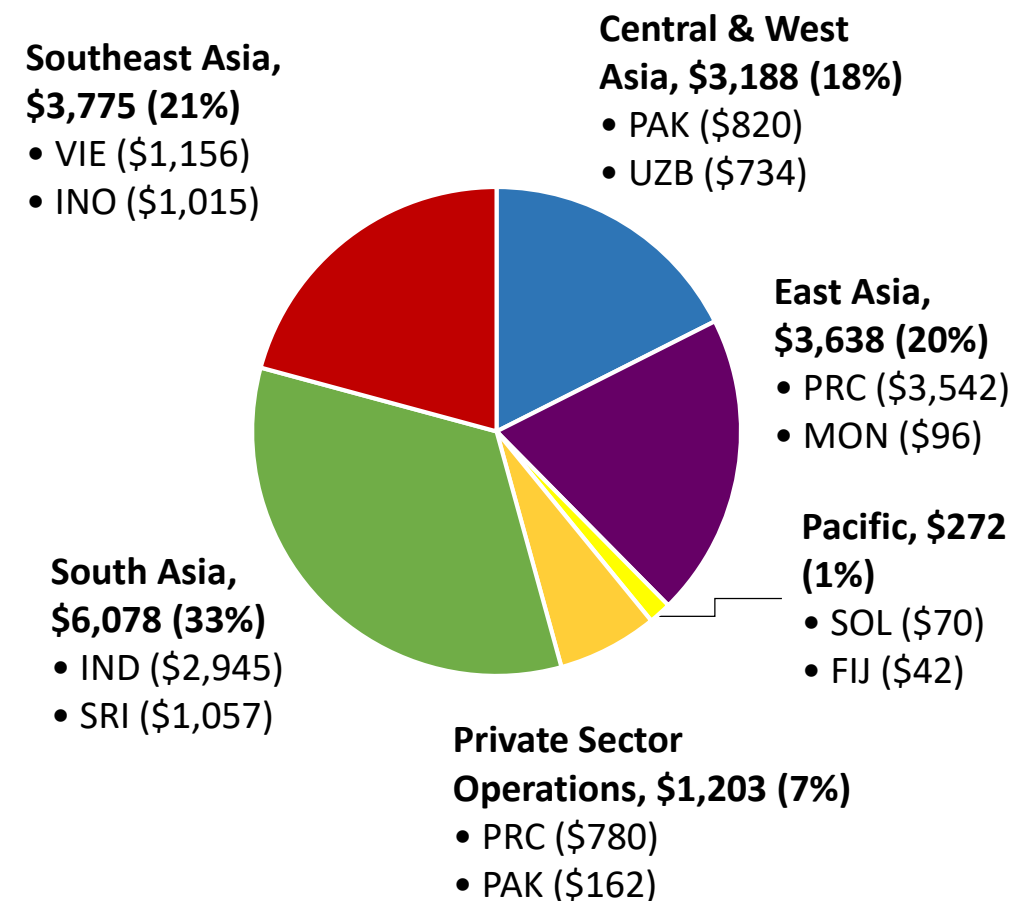
ACTIVE WSG PROJECTS

(in \$ Million, as of July 2020)

BY SUBSECTOR



BY OPERATIONS DEPARTMENT



Water Sector Pipeline 2022-2024 Typology

Irrigation modernization (14)
Flood management and protection (6)
Rural vitalization (5)
Coastal management (3)
Integrated river management and water quality (3)
Irrigation and horticulture (2)
Weather forecasting and water resources management (2)
Drinking water (and sanitation) (60)

3 | Water and agricultural innovations innovations with particular focus on Canadian expertise



High Factor Productivity Agriculture and Circular Bioeconomy

Three possibilities for expertise from Canada:

- 1. Indoor agriculture: sovereign and non-sovereign investments**
- 2. Digitalization;**
- 3. Salinity control and management.**

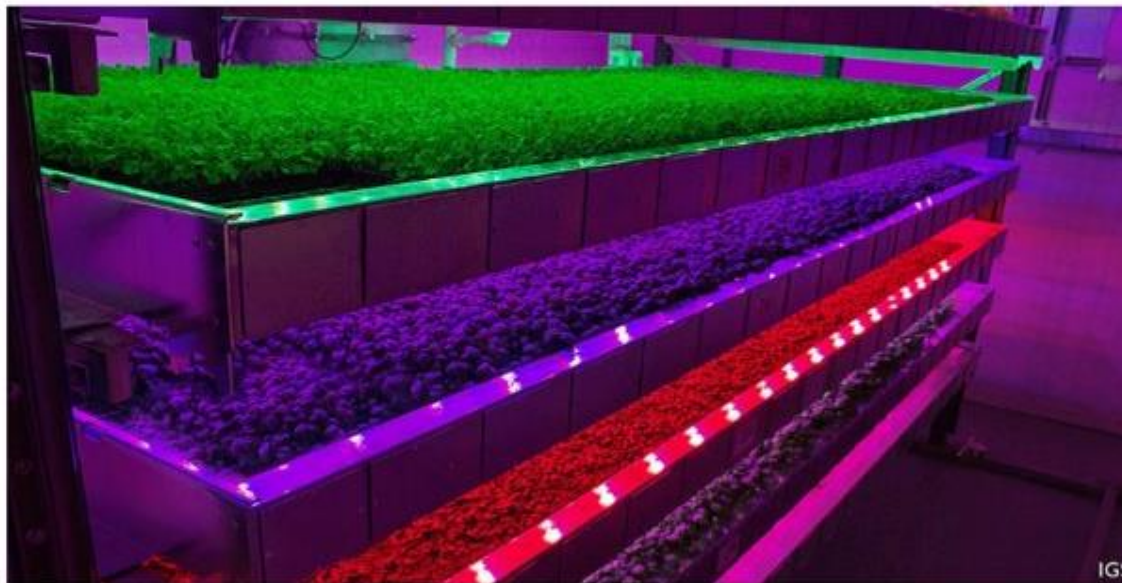


Examples of Specific Netherlands' Expertise

Growing higher

New ways to make vertical farming stack up

Cultivating fresh produce in an artificial environment is getting cheaper



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Salt Resistance and Leaching Requirements of Salt Tolerant and Biosaline Crops (Croon, 2013)

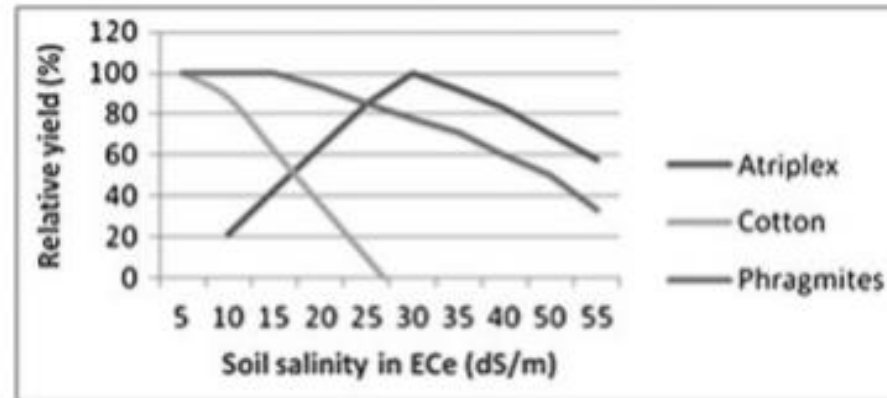


Figure 1. Influence of soil salinity on yield of halophyte, biosaline crop and field crop. Note: Data of *Atriplex*, a halopyhte, based on data published by ICBA (2008).

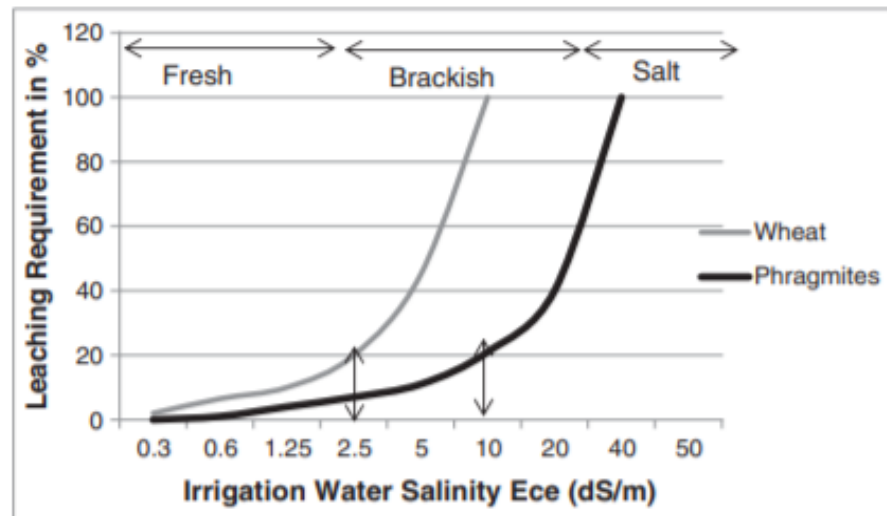


Figure 2. Leaching requirement as a function of different salinities for wheat and *Phragmites*.

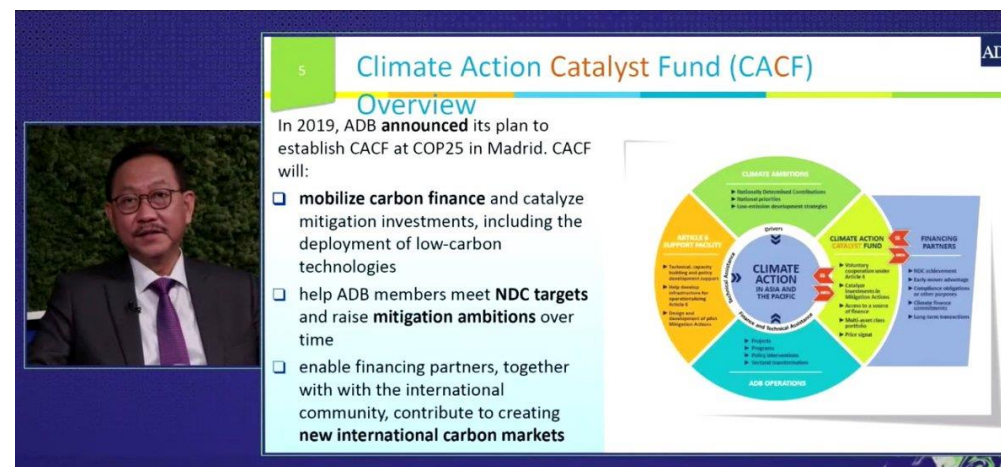
4 | **Post COP26 energy and water updates**

ADB's Major Initiatives Launched

- **Energy Transition Mechanism (ETM)** partnership in Southeast Asia that aims to accelerate clean energy transition. Japan's Ministry of Finance committed \$25 million grant -- first seed financing for the mechanism.
- **ASEAN Green Recovery Platform** \$665 million platform to help countries stage a green, resilient, and inclusive recovery from COVID-19 pandemic.
- The **Climate Action Catalyst Fund (CACF)** which will create carbon credits and financing for carbon mitigation in Asia and the Pacific.
- The **Community Resilience Partnership Program (CRPP)**, which aims to strengthen climate resilience for local communities, including for women and girls, by scaling up climate adaptation measures in Asia and the Pacific; with initial funding of around \$68 million from the UK and NDF.
- The **Urban Resilience Trust Fund**, aims to reduce risks of urban residents from climate change through risk-informed planning and policies and design and implementation of resilient urban infrastructure projects with UK contributing around \$100 million.



**URBAN CLIMATE
CHANGE RESILIENCE
TRUST FUND**
Asian Development Bank





RUWR

THANK YOU for your attention!

Jelle Beekma
jbeekma@adb.org

