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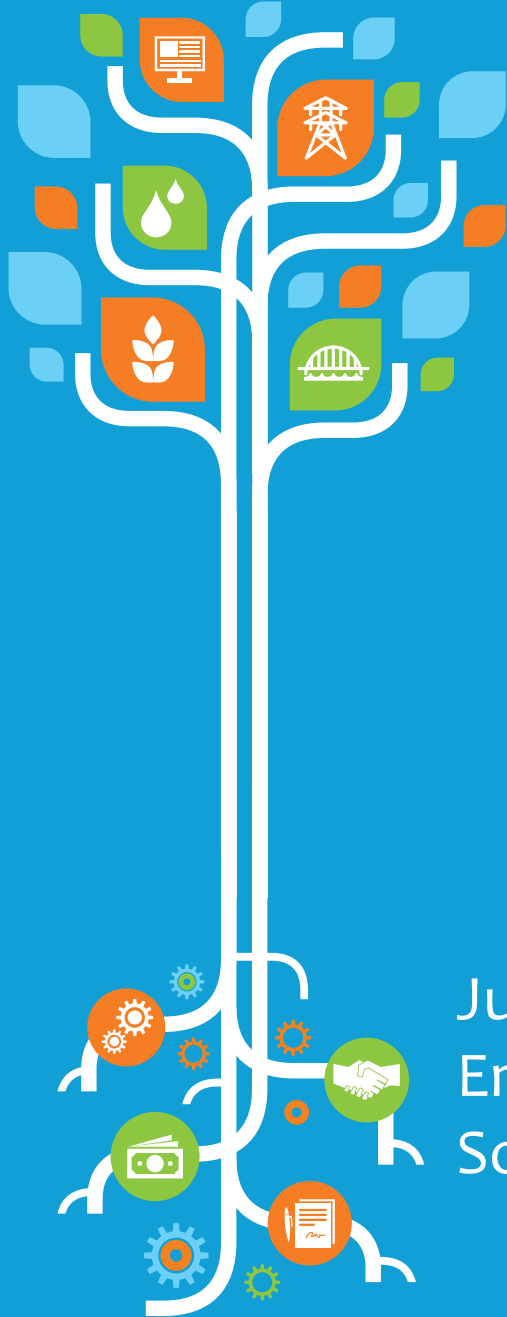
ADB

# Virtual Business Opportunities Seminar for Spain – Focus on Water Sector

15 June 2021

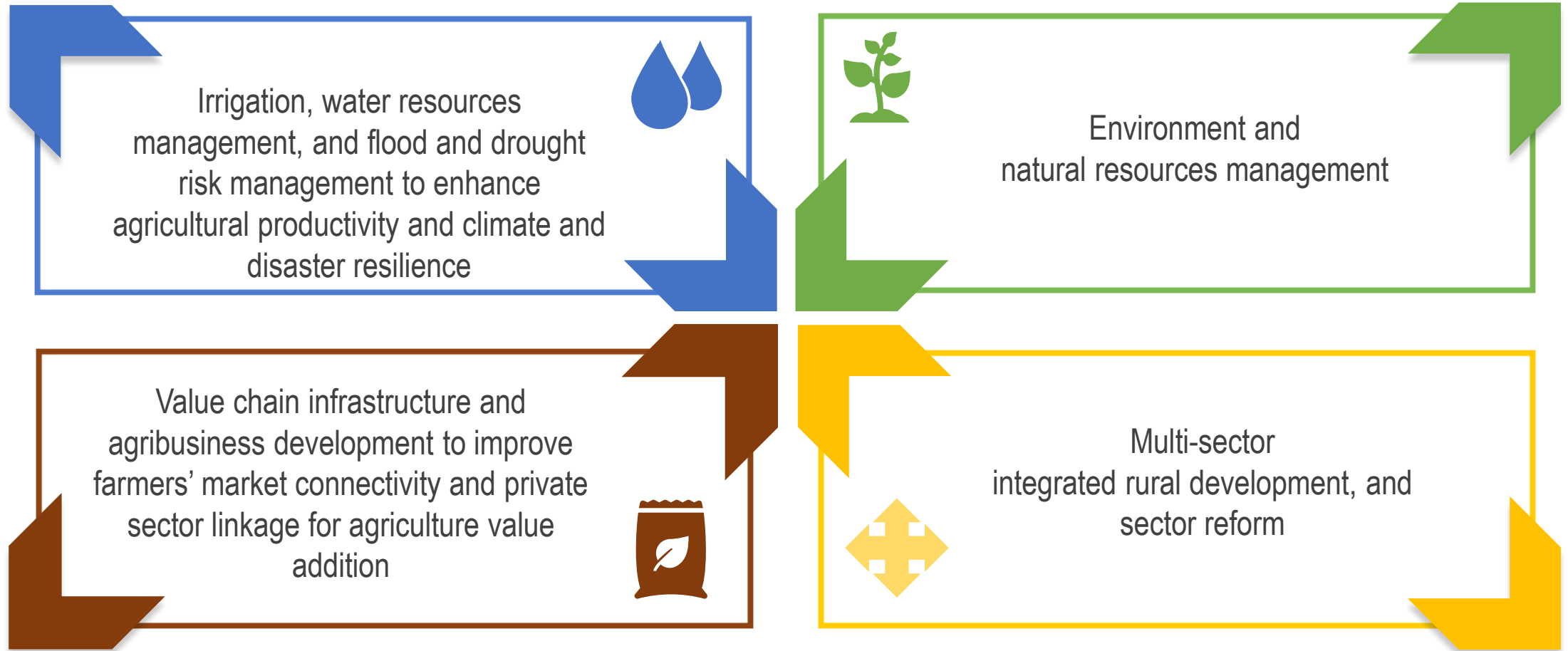
Junko Sagara, Water Resources Specialist  
Environment, Natural Resources and Agriculture Division (SEER)  
Southeast Asia Department

BUSINESS  
OPPORTUNITIES

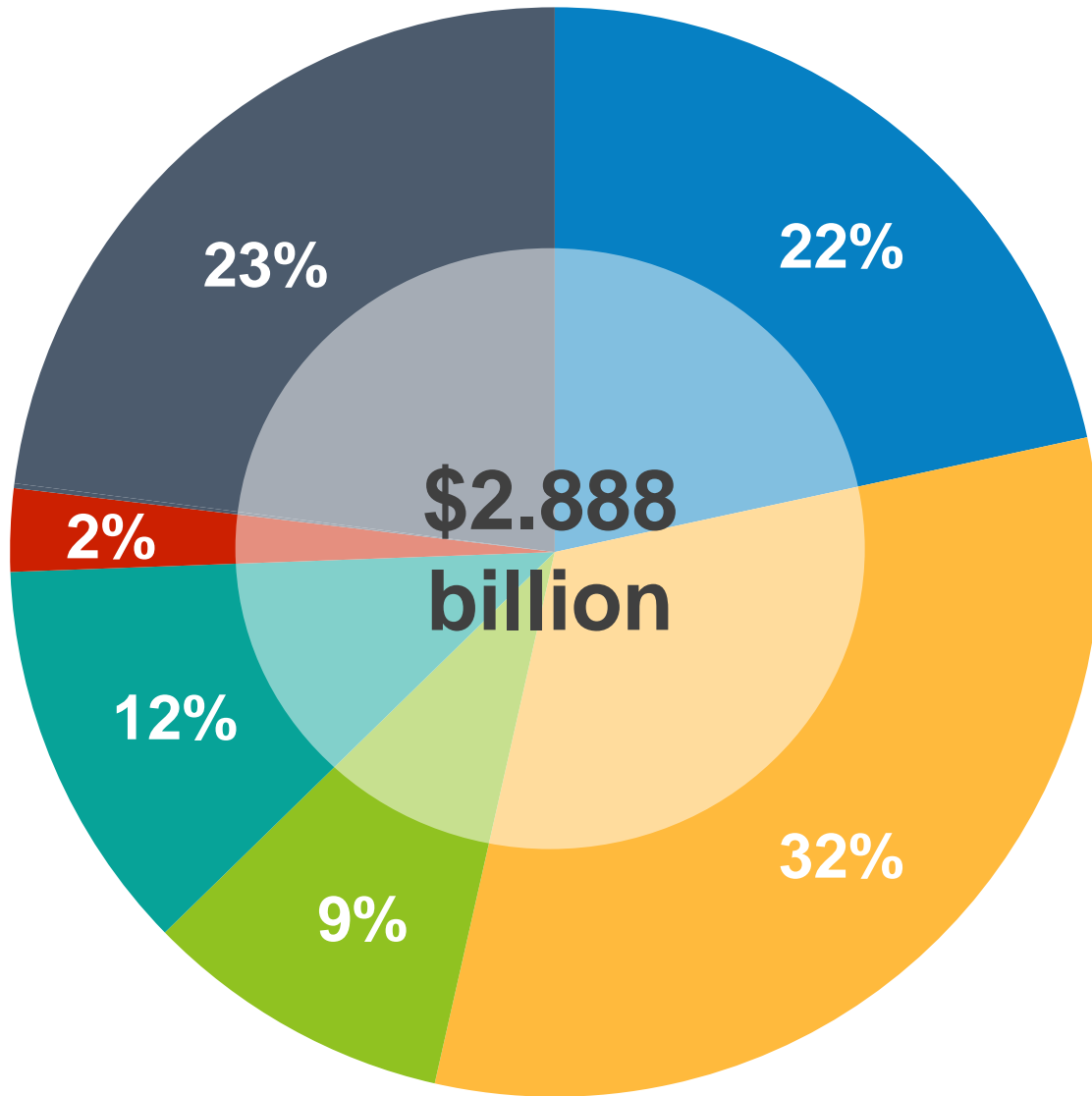


# SEER KEY AREAS

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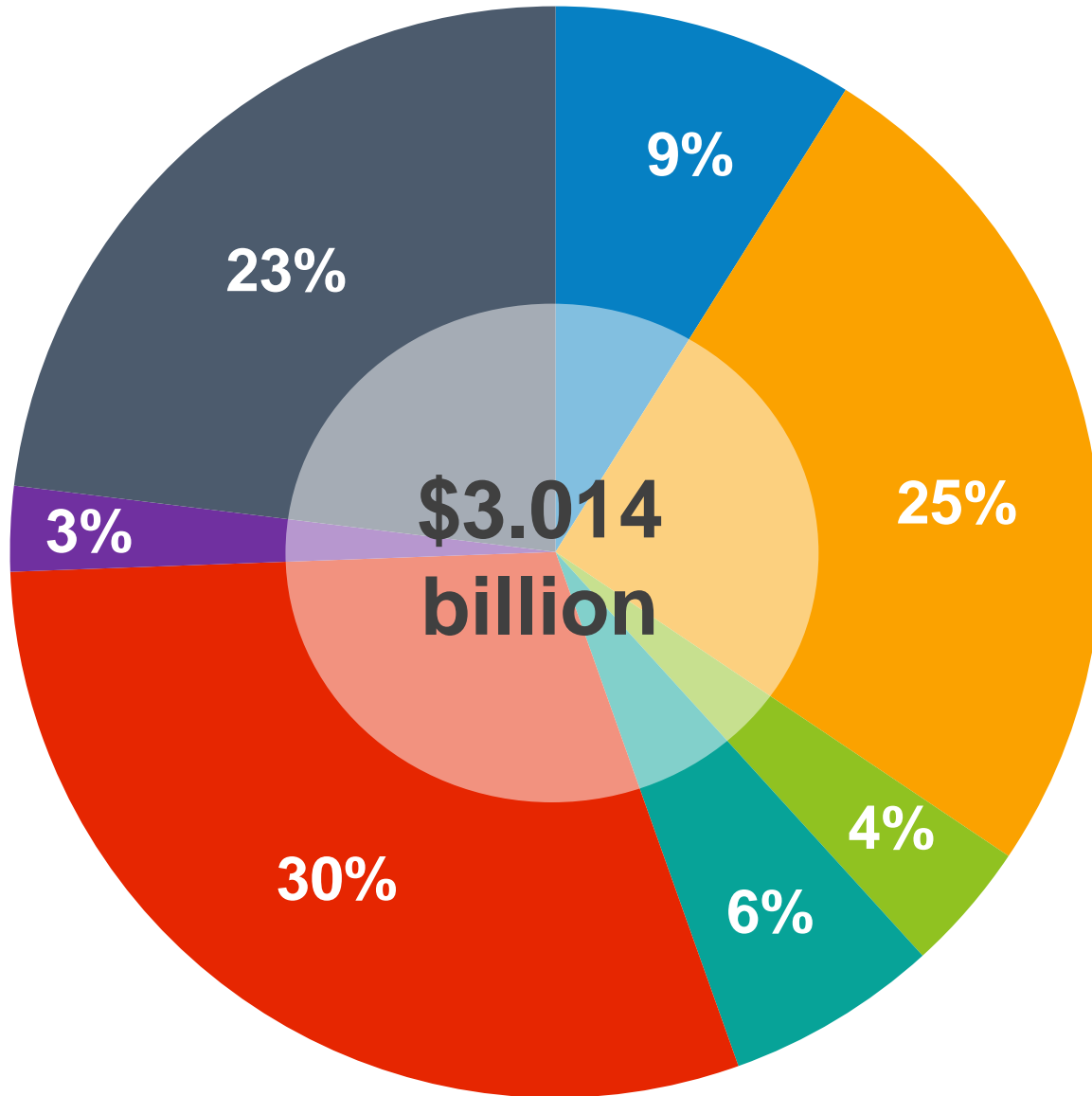
# SOUTHEAST ASIA ANR PORTFOLIO



as of 30 April 2021

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# LENDING PROGRAM 2021-2023



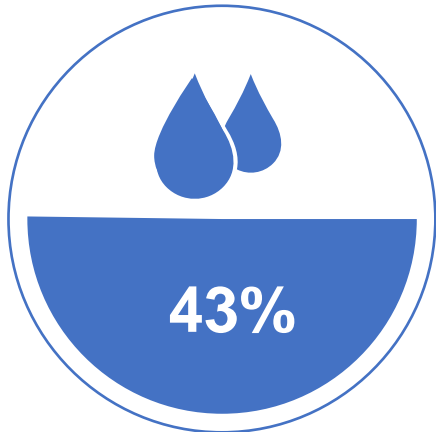
as of 30 April 2021

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# LENDING PROGRAM 2021-2023 – KEY THEMATIC AREAS

**\$3.014 billion**

*As of 30 April 2021*



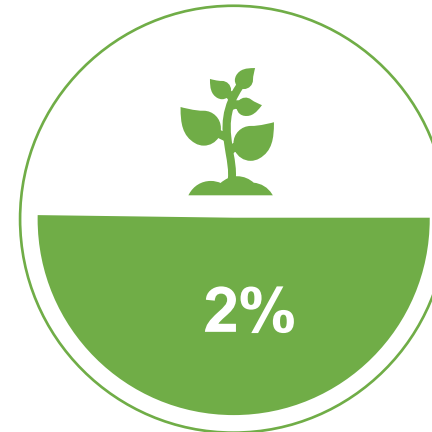
**\$1.307 billion**

**Irrigation and  
Water Resources  
Management**



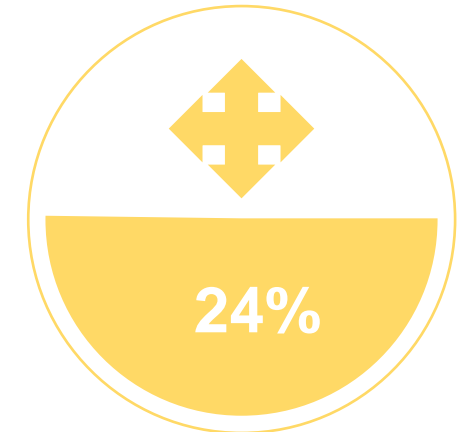
**\$0.911 billion**

**Value Chain  
Infrastructure and  
Agribusiness**



**\$0.072 billion**

**Environment and  
Natural Resources  
Management**



**\$0.725 billion**

**Multi-sector  
Integrated Rural  
Development,  
Sector Reform**

**2021**  
\$70 million

**VIET NAM**

- Climate Adaptation through Irrigation Modernization Sector Project

**2022**  
\$756.5 million

**INDONESIA**

- Dry Land Agriculture Development Project

**LAO PDR**

- Flood and Drought Mitigation and Management Project

**PHILIPPINES**

- Mindanao Irrigation Development Project
- Integrated Flood Risk Management Project – Phase 1

**VIET NAM**

- Climate Adaptive Integrated Flood Risk Management Project

**2023**  
\$480 million

**CAMBODIA**

- Water Resources Management Project

**INDONESIA**

- Flood Management and Coastal Protection in North Java
- Asahan Irrigation Development in North Sumatera

# WATER SECURITY: OUR INVESTMENTS

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## INTEGRATED FLOOD RESILIENCE

bringing together soft and infrastructure investments



## IRRIGATED AGRICULTURE

towards greater water efficiency, improved farming productivity and profitability; and environmental sustainability



## INFRASTRUCTURE O&M

to sustain function of investments and improve budget efficiency



## SOURCE TO TAP

bringing upstream and downstream actors to work together for comprehensive water supply development



## READINESS AND BANKABILITY OF INVESTMENTS

through rigorous planning and robust engineering



## PLANNING & TECHNOLOGY

innovation for smart infrastructure planning and monitoring

# Indonesia: Flood Management and Coastal Protection in North Java Project (Proposed)

**Implementation:** 2023 - 2029

**Financing:** sovereign, \$250 million (OCR)



**Approach/Design.** The project promotes an integrated water resources management approach to Improve flood resilience and raw water supply (RWS) in the in the Pemali - Juana and Cimanuk-Cisanggarung river basins in North Java. The project will also support the Ministry of Public Works and Housing in introducing Flood Forecasting and Early Warning System and river and RWS asset management, and institutional strengthening and capacity of river basin organizations in managing data.

The project will finance construction of Detailed Engineering Designs and readiness works financed through 3455-INO: Accelerating Infrastructure Delivery through Better Engineering Services Project (ESP). The project will introduce satellite based technology to better manage floods and nature based solution towards greener infrastructure.

**Progress.** Hydraulic analysis and surveys are being prepared under ESP. The ADB Team is providing technical support to ensure that ESP (i) is preparing technically sound and climate proof engineering designs; (ii) is introducing innovations, and (iii) social and environment safeguards, and economic and financial analysis are compliant with ADB standards



# Philippines: Integrated Flood Risk Management Project (proposed)

## PHASE 1

- **Abra River Basin (Luzon)**
- **Agus (Ranao) River Basin (Mindanao)**
- **Tagum-Libuganon River Basin (Mindanao)**

**Implementation:** 2022 - 2029

**Financing:** sovereign, \$200 million (OCR), \$100 co-financing

## PHASE 2

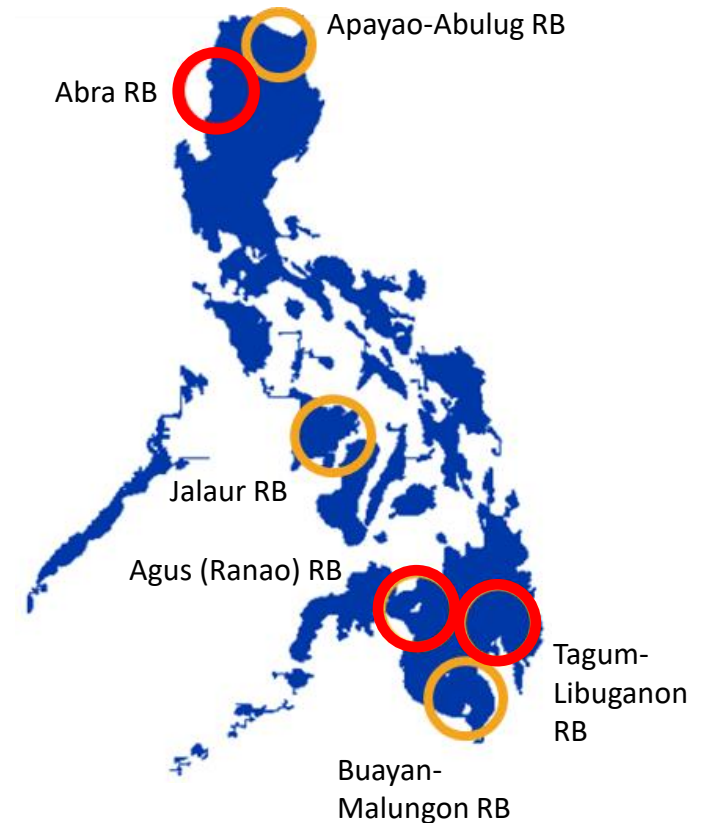
- **Apayao-Abulug River Basin (Luzon)**
- **Jalaur River Basin (Visayas)**
- **Buayan-Malungon River Basin (Mindanao)**

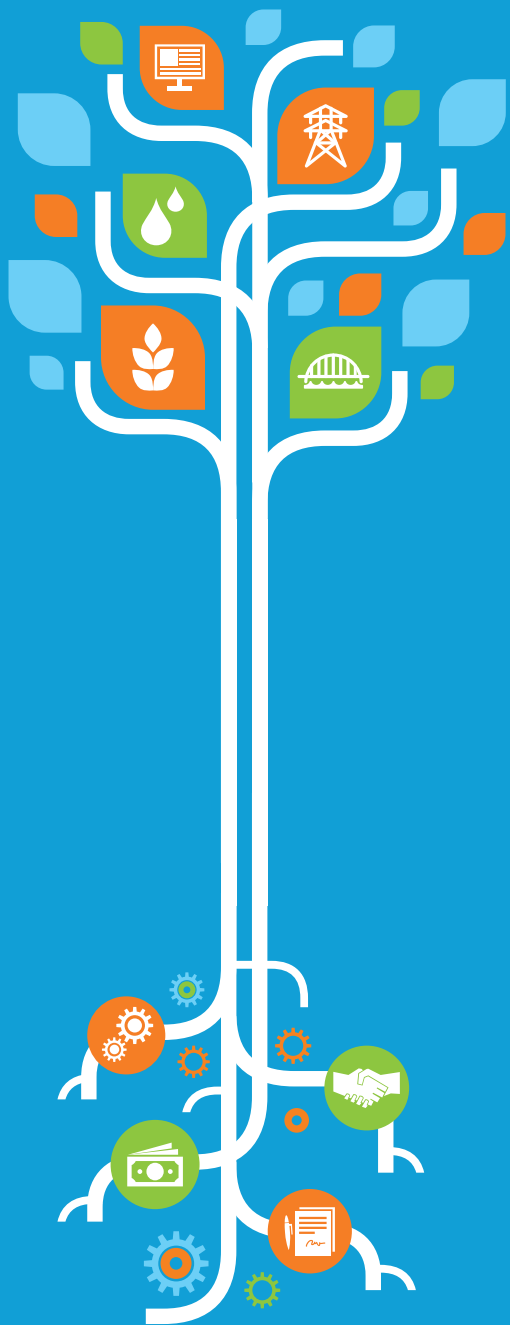
**Implementation:** 2024 – 2031 (indicative)

**Financing:** sovereign, \$400 million, co-financing (TBC)

**Approach/Design.** The project will promote integrated flood risk management approach to reduce flood risks in major river basins by (i) improving strategic flood risk management planning through strengthening data acquisition and data management and flood protection asset management; (ii) rehabilitating and constructing flood protection infrastructure; and (iii) supporting community-based flood risk management. Infrastructure design will factor in changes in hazard patterns due to climate change, and combination of structural and non-structural measures including nature-based solutions are applied where suitable.

**Progress.** The proposed structural measures and interventions were identified in the flood risk management master plans prepared under TA loan, L3589/3886-PHI-Infrastructure Preparation and Innovation Facility (IPIF). IPIF is supporting Department of Public Works and Highways in the preparation of feasibility studies and safeguards documents for the interventions to be financed by the proposed project. IPIF also finances detailed engineering design. ADB is also providing technical assistance to prepare non-structural components.





# THANK YOU!

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