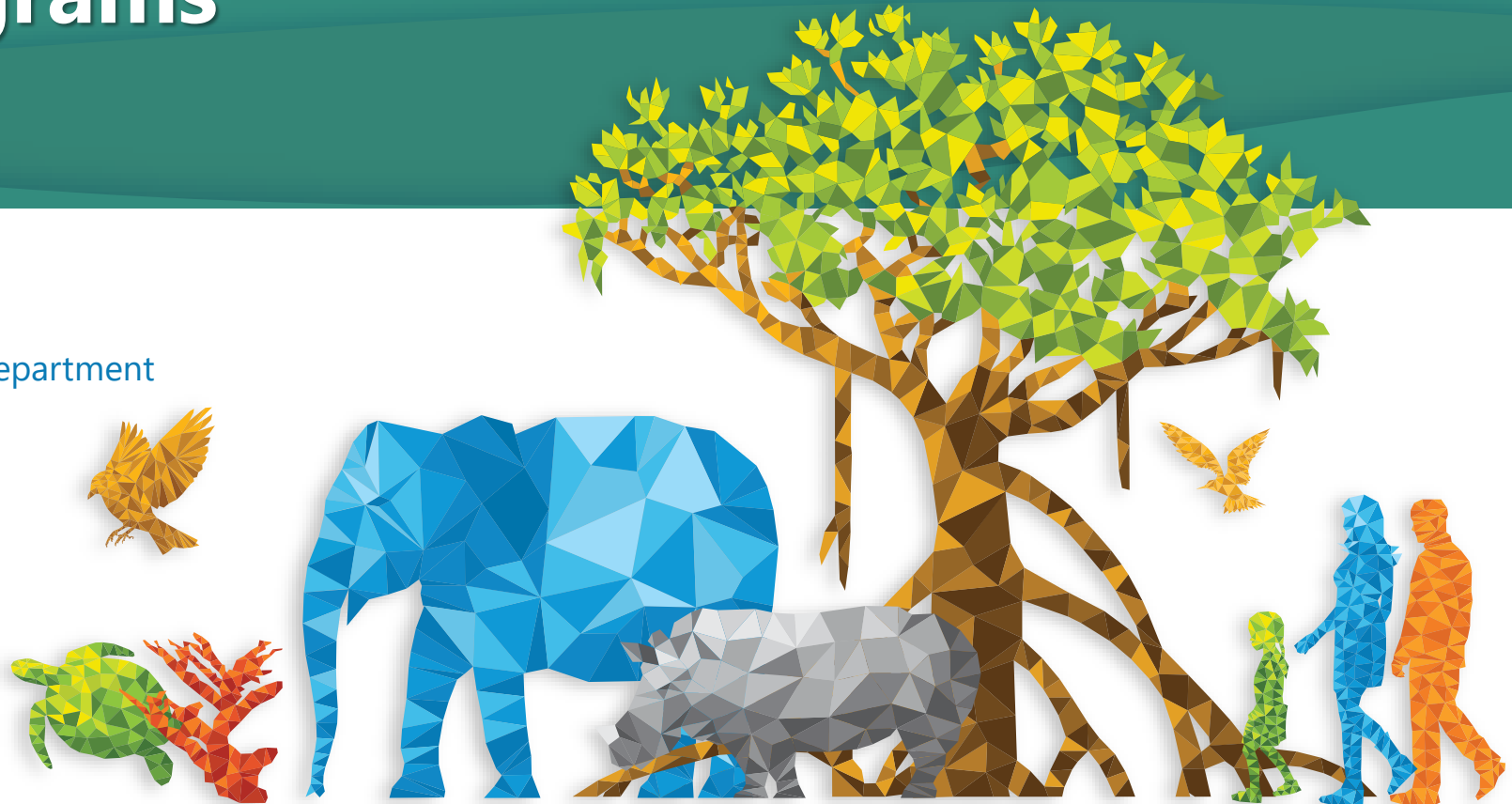


Asian Development Bank Environment Programs

Prepared by CCRE-ENV
Climate Change and Sustainable Development Department
August 2024

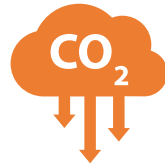
ADB



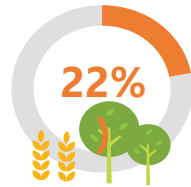
Economy depends on nature

- » Healthy ecosystems contribute to **\$18 trillion** or **53%** of GDP in Asia and the Pacific [1] whereas
- » Nature-positive development could generate over **\$4 trillion** in business and create about **232 million jobs** per year in Asia by 2030. [2]
- » The global biodiversity funding gap stands at about **\$711 billion annually**. [3]

Climate depends on nature



Interconnected triple crisis of **biodiversity loss and ecosystem degradation, pollutions, and climate change**.



Agriculture, Forest and Other Land Use represents around **22% of greenhouse gas emissions** caused by human activities. [4]



Oceans absorb around **25% of CO₂** emissions, and **forests** can net sequester a further **25% of emissions**. [5]



Healthy ecosystems offer enormous and cost-effective **climate adaptation benefits**.



[1] AIGCC, PwC 2024
[2] Temasek 2021
[3] Paulson Institute 2021
[4] IPCC 2019
[5] NOAA

ADB's Journey towards Environment Sustainability

2002 - 2012



Do no harm

- Application of environmental safeguards
- Raising awareness and understanding with counterparts
- *Environment Policy 2002, Safeguards Policy Statement 2009*

Strategy 2020

2013 - 2023



Actions for positive Impacts

- Mainstreaming environmental considerations and co-benefits
- Projects with environmental improvement as the primary objective
- *Environment Operational Directions 2013-2020, Climate Change Operational Framework 2017-2030*

Strategy 2030

2023 onwards



Taking to Scale

- Active learning from project experience
- Moving from projects to programs
- Mobilizing finance (Nature Solutions Finance Hub, thematic bonds, etc.)
- Linking with national policy reforms
- *Climate Change Action Plan (CCAP) 2023, Disaster Risk Management Action Plan (DRMAP) 2024 (proposed)*

Three interconnected mutually reinforcing pillars

All three pillars interlink, addressing climate change, disaster risk, and environmental sustainability through strategic alignment of policies and operations.

NATURE-BASED CLIMATE SOLUTIONS

- Nature as a climate solution
- Enhanced resilience, reduced degradation, carbon sequestration, and green opportunities
- Policy dialogue, financial solutions, operational support, and capacity building

- Conservation, restoration, and sustainable management of ecosystems
- Reduce negative drivers, mainstream into sectors, develop nature-positive projects, track impacts
- Landscape and seascape approach to deliver larger impacts

BIODIVERSITY & ECOSYSTEM MANAGEMENT

POLLUTION CONTROL & CIRCULAR ECONOMY

- Reduce and prevent pollution, promote resource efficiency, and support circular economy
- Support energy transition, improve transport systems, reduce residue burning, address legacy pollution
- Enhance policies, align with treaties, leverage cross-sectoral initiatives



Framework for Enhancing Environmental Sustainability Under Strategy 2030

BIODIVERSITY LOSS and ECOSYSTEM DEGRADATION

POLLUTION

CLIMATE CHANGE

MDB Statement on Nature

Global Biodiversity Framework

Multilateral Environmental Agreements

Paris Climate Agreement

INCREASING NATURE-POSITIVE INVESTMENTS

MAINSTREAMING ENVIRONMENTAL SUSTAINABILITY INTO SECTOR INVESTMENTS

BIODIVERSITY & ECOSYSTEM MANAGEMENT

POLLUTION CONTROL & CIRCULAR ECONOMY

HEALTHY OCEANS **ECOSYSTEM RESTORATION (Regional Flyway)**

AIR QUALITY **CIRCULAR ECONOMY**

NATURE-BASED CLIMATE SOLUTIONS

QUALITY INFRA / NATURE-BASED SOLUTIONS **FINANCE/GOVERNANCE**

Asia Clean Blue Skies Program (ACBSP)

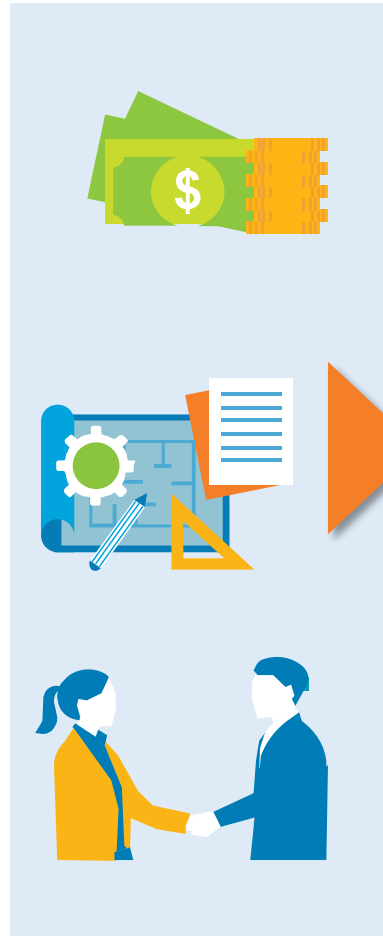
Scaling up investments in air pollution reduction

Training, capacity building, knowledge sharing

Respond to demands from RDs and DMCs

Leveraging partnerships

Tracking of air quality positive projects



IMPACT

Air quality in Asia improved

OUTPUT 1
Policies, Plans and Strategies on Air Quality developed or strengthened

OUTPUT 2
DMC capacity for implementation and enforcement of air quality rules improved

OUTPUT 3
Clean air solutions implemented

ACBSP TA 1st Phase

Sep 2022 – June 2024; \$1.8 m (additional projects under dev)

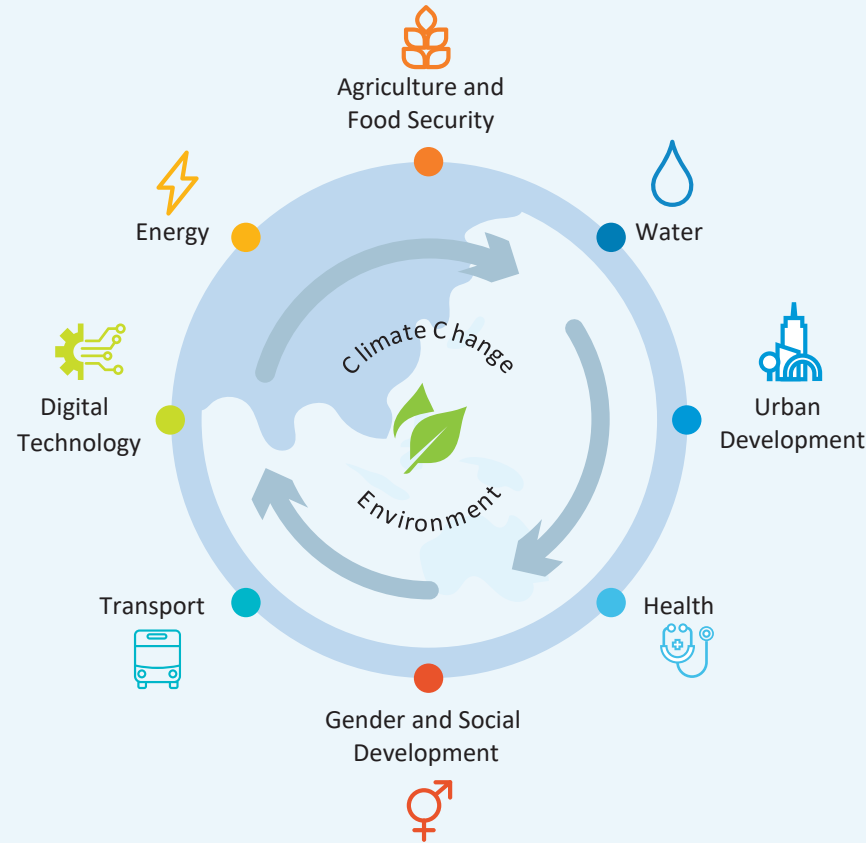
Mainstreaming air quality and nature in CPS for PHL, INO, UZB, NEP; Pakistan Clean Air Policy

8 Knowledge events and BAQ conference

5 clean energy sovereign projects in MON, KYZ, SRI, and non-sovereign in INO and PHL.

Systems Level Approach to Operationalize Links and Balance Implementation Trade Offs

Circular Economy is a programmatic systems approach to support economic development whilst de-linking it from the unsustainable consumption practices



ADB Support to Mainstream Circularity

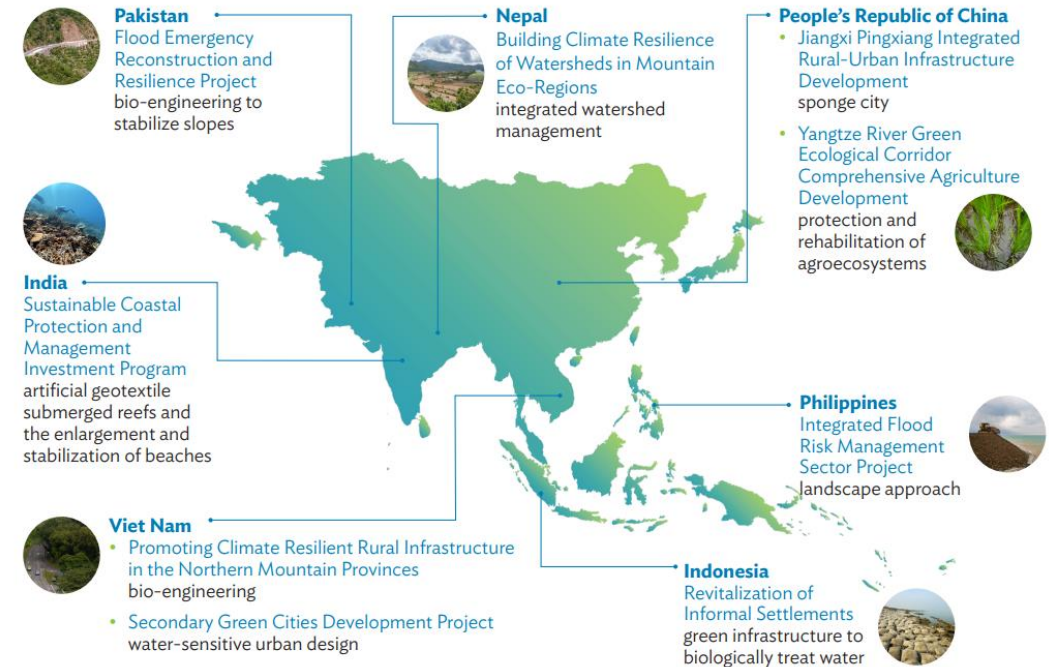
- **Institutional strengthening and innovation.** Yangtze River Economic Belt Jiangxi Ecological Civilization and Circular Economy Project (\$200 million), Shanxi Changzhi Low-Carbon Climate-Resilient Circular Economy Transformation Project (\$500 million), policy-based loans to address marine debris in Indonesia and Philippines
- **Private sector investments in plastics circularity.** Indorama Ventures Regional Blue Loan Project (\$100 million), Alba Blue Loan for Recycling (\$44 million)
- **Opportunities to enhance support under planned Global Plastics Treaty**

- Using a country-focused approach
- Applying the differentiated approaches
- Developing integrated solutions
- Taking multisectoral approaches
- Promoting digital development and innovative technologies
- Expanding private sector operations
- Developing capacity
- Adding value and promoting quality infrastructure

Nature-based Climate Solutions

- **NbS**—using nature and ecosystem services—addressing **development challenges** (e.g., climate change, ecosystem degradation, biodiversity loss, food insecurity)
- Providing **cost-effective solutions with co-benefits** (e.g., recreational opportunities, green jobs)
- Growing number of ADB projects with NbS in **agriculture, transport, water, urban sectors**
- **Current portfolio** of NbS-related projects: US\$7 billion in 39 projects with largest investment made in East Asia and ANR sector (NbS accounting for only a portion of total amount)
- **Landscape approach** offering best possible solutions, identify potential cross-sectoral investment opportunities
- Mainstreaming NbS into operations through **NbS program** with polity support, project design clinic, knowledge brokering
- **Nature Solutions Finance Hub** launched to create high impact biodiversity, nature-based adaptation/resilience initiatives

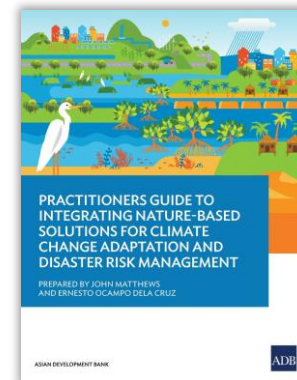
Examples of ADB Projects Using Nature-Based Solutions



ADB = Asian Development Bank.

Source: ADB. PowerPoint presentation. Nature-based solutions for flood risk-management.

Selected knowledge products



Ocean Resilience and Coastal Adaptation

FLAGSHIP OCEAN PROGRAMS



Blue Economy



Ecosystem Management



Pollution Control



Sustainable Infrastructure

Sector Support Streams

MAINSTREAMING OCEAN HEALTH

-  Wastewater and Sanitation
-  Agriculture and Water
-  Solid Waste Management

GROWING BLUE ECONOMY SECTORS

-  Green Maritime Transport
-  Marine Renewable Energy
-  Sustainable Coastal Tourism

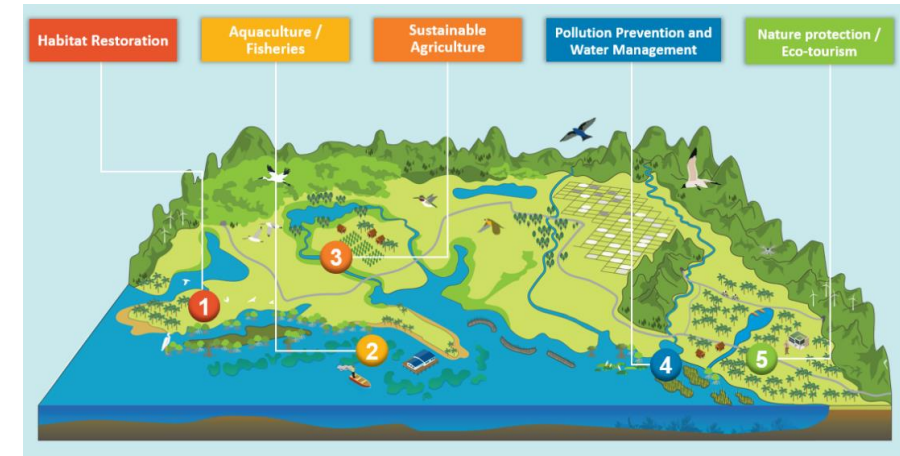


Aim to mobilize \$3 billion of investment in wetland protection and management to have flyway level impact

- **Aligned with** EAAFP Strategic Plan, UNCBD, Paris Agreement, Ramsar, CMS, UNESCO
- **Regional.** East, Central, Southeast Asia and Pacific. Initial focus on 10 countries → 147 wetland sites prioritized
- **Goal.** Improved management of **50 wetlands** (>2 million ha) → build a network of wetland habitats with species numbers maintained or enhanced.
- **Co-benefits.** Healthy wetlands: natural capital and ecosystem services; NbS; livelihoods.

EARLY PROJECTS:

- i. South Dongting Lake, PRC;
- ii. Fujian, PRC;
- iii. Marine and Coastal Biodiversity, PHI.





DATA ROOM

Regional Flyway Initiative

RFI Priority Sites Briefs and Infographics RFI Events **Workshops** Case Studies

Date	Workshop Title
27-28 May 2024	Bangladesh: Wetland Ecosystem Services Workshop The Regional Flyway Initiative (RFI) Training Series: Workshop on Wetland Ecosystem Services and Nature-based Solutions, co-organized by the Asian Development...
27-29 November 2023	Thailand: Wetland Ecosystem Services Workshop The Regional Flyway Initiative (RFI) Training Series: Workshop on Wetland Ecosystem Services and Nature-based Solutions -- Thailand, was co-organized ...
13-14 September 2023	Cambodia: Wetland Ecosystem Services Workshop Workshop objective: To strengthen the capacity of wetland managers, policymakers, and conservation practitioners for sustainable wetland management through...
27-30 June 2023	Philippines: Wetland Ecosystem Services Workshop This RFI Ecosystem Services Training Workshop for the Philippines was held at ADB Headquarters in Manila and included a field visit to Balanga Nature ...
14-15 March 2023	11th Meeting of Partners (MOP) of the East Asian-Australasian Flyway Partnership Wetland Ecosystem Services Workshop This Regional Flyway Initiative (RFI) Ecosystem Services Training Workshop was held during the 11th Meeting of Partners of the East Asian-Australasian...

Read Also

- 147 RFI Priority Wetland Sites
- ADB Technical Assistance Report: Scaling Up the East Asian-Australasian Flyway Initiative
- Special Feature by CNN: The planet's most threatened flight path, and the \$3 billion plan to protect it by N. Lewis, W. Lee & C.
- Insight: The Regional Flyway Initiative: Building a Business Case for Sustainable Wetlands

Topic

- Environment

Link [ADB Data Room: Regional Flyway Initiative - Development Asia link](#)

and QR



- Mobilize innovative financing
- Strengthen partnerships
- Build up and share knowledge and capacity (local and national)
- Scale up regionally

...through the RFI



Black-faced Spoonbill (Endangered)
Balanga City, Karen Ochavo 2024

THANK YOU

Karen Ochavo
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kochavo@adb.org

