



Earth Observation in ADB Operations

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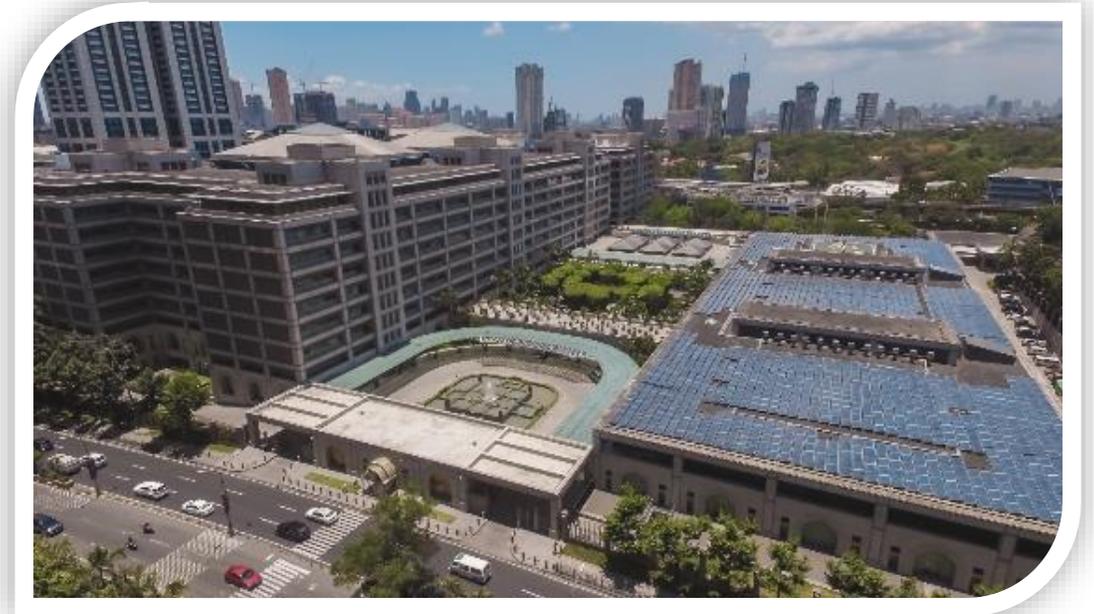
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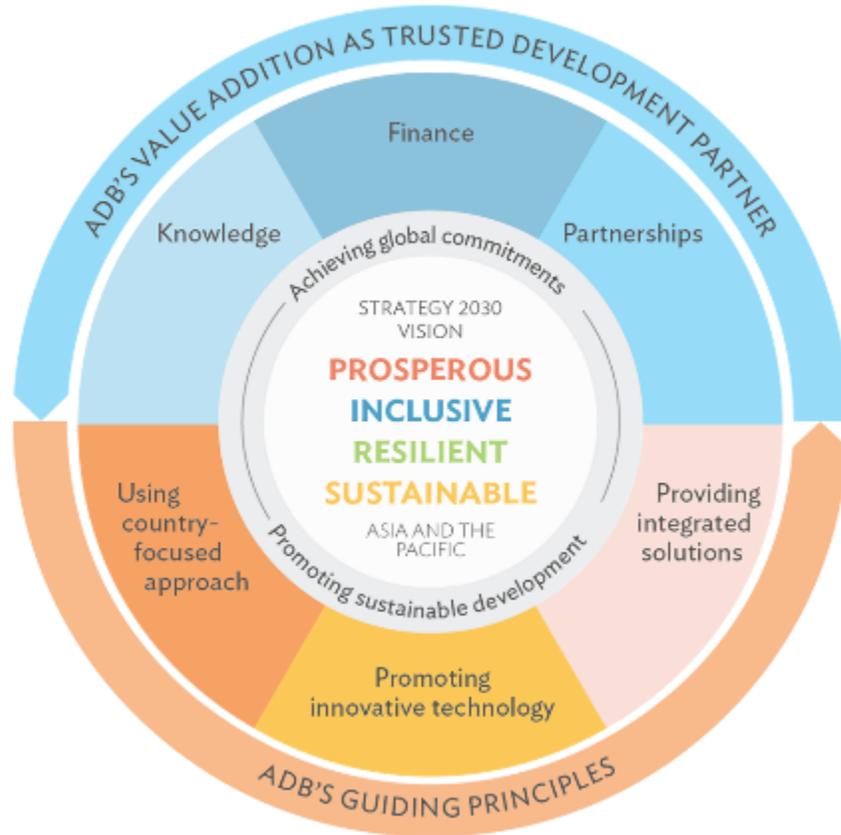
WHO WE ARE

- Founded in 1966
- A multilateral development bank
- Headquartered in Manila, Philippines
- 68 Members – 49 in the region
- 45 field offices
- 3,687 employees spanning 64 nationalities





THE REGION'S POVERTY CHALLENGE



- Asia and the Pacific region is still home to around 40% of the world's extreme poor¹
- An estimated \$1.7 trillion per year is needed until 2030 to fill infrastructure gaps
- Of the 10 countries most exposed to climate change, environmental stress, and natural disaster risk, 7 are ADB developing member countries²

1/ Extreme poverty is measured by the \$1.90/day threshold at 2011 purchasing power parity. World Bank.PovcalNet. <http://iresearch.worldbank.org/PovcalNet/home.aspx>.

2/ These countries are Bangladesh, Cambodia, the Philippines, Solomon Islands, Timor-Leste, Tonga, and Vanuatu. L. Kirch et al. 2017. WorldRiskReport: Analysis and Prospects 2017. Berlin: Bündnis Entwicklung Hilft. <https://www.adb.org/sites/default/files/institutional-document/435391/strategy-2030-main-document.pdf>.



STRATEGY 2030

OPERATIONAL PRIORITIES



Addressing remaining poverty and reducing inequalities



Accelerating progress in gender equality



Tackling climate change, building climate and disaster resilience, and enhancing environmental sustainability

At least 75% of number of ADB committed operations by 2030

At least 75% of number of ADB committed operations by 2030, total of \$100 billion from ADB's own resources from 2019 to 2030



Making cities more livable



Promoting rural development and food security



Strengthening governance and institutional capacity



Fostering regional cooperation and integration

KEY APPROACHES



Expanding private sector operations

1/3 of number of ADB committed operations by 2024



Catalyzing and mobilizing financial resources for development

\$1 in private sector operations financing matched by \$2.50 of cofinancing



Strengthening knowledge services



ADB Technical Assistance and ESA GDA



Urban Sustainability

- Design of better transport urban infrastructure
- Design of greener cities mitigation of urban heat islands



Marine Environment

- Sustainable fisheries
- Marine water quality



FCAS Fragility and Conflict Affected Situations

- Livelihood improvement developing key revenue lines (cash crops)
- Analysis of water and crop availability in fragility settings



Agriculture

- Cloud-based satellite processing from land cover maps to biomass status indicators
- Support sustainable agricultural policy

Regional Digital Twin

- Urban expansion
- 3D of major cities
- Disaster prone areas

National Spatial Infrastructures

- Satellite/Aerial derived information layers



Climate Resilience

- Coastal erosion assessment
- Supporting engineering of coastal defense infrastructure

Disaster Resilience

- Early Warning System – EO plus IoT devices
- Flood mapping historical analysis and NRT activation
- Land subsidence and building stability
- Water security watershed analysis



Thank you.

