



“Space in Support of International Development Assistance”

Better Data for Better Decisions

Wednesday, 12 May 2021 • 3:00–5:00 p.m. (GMT+8 Manila time)



Earth Observation—Enabler of S2030 Operational Priorities

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ADB's Strategy 2030



Strategy 2030 sets the course for ADB to respond effectively to Asia and the Pacific's changing needs, especially in this COVID-19 pandemic.

Guiding principles:

1. Using a country-focused approach
- 2. Promoting innovative technology**
3. Delivering integrated solutions

ADB's Strategy 2030 Operational Priorities



7 operational priorities were developed to operationalize the strategy and articulate the strategic focus, specific areas of engagement, approaches and broad skills requirements.



ADB's Strategy 2030 Operational Priorities



STRATEGY 2030'S SEVEN 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



Making cities more livable



Promoting rural development and food security



Strengthening governance and institutional capacity



Fostering regional cooperation and integration



Operational Priority 3

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



Operational Approaches Possible for EO Support



Climate smart agriculture and sustainable land use



Water-food-energy nexus



Climate and disaster resilience

Benefits of EO for OP3

- **Better landuse planning**
- **Increased climate change mitigation and disaster resilience**
- **More effective natural capital management**
- **Improved water, food, and energy security**

Operational Priority 3

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



Country	Project	EO Support	Sector
Bangladesh	Pilot Project on Weather Index-Based Crop Insurance	Near-real time weather data collection	Agriculture
Cambodia	Second Integrated Urban Environmental Management in the Tonle Sap Basin Project	Historical data on flooding	Water
India	Kolkata Environmental Improvement Investment Program - Tranche 2	Flood monitoring with over 30 years of satellite data. Rendering of the city in 3D.	Water
Kazakhstan	Promoting Digital Technologies for Sustainable Development	mapping and monitoring of flood and reservoir levels; climate change and flood modelling	Public sector management
Lao, PDR	Sustainable Rural Infrastructure and Watershed Management Sector Project	screening tool for identifying vulnerable watersheds; flood risk assessment; capacity development for remote sensing	Agriculture, Health

Operational Priority 4 Making Cities More Livable



Operational Approaches Possible for EO Support



Support risk-sensitive land use management



Support environment improvement projects and climate-sensitive planning and investment programming



Prepare integrated urban plans and use differentiated approaches for different cities

Benefits of EO for OP4

- Strengthened urban planning with satellite-based information
- Improved urban environment, climate resilience, and disaster management of cities

Operational Priority 4 Making Cities More Livable



Country	Project	EO Support	Sector
Armenia	Urban Development in Secondary Cities	Urban land use/land cover classification and change mapping	Energy, Industry and trade, ICT, Transport, Water
Cambodia	Integrated Urban Environmental Management in the Tonle Sap Project	Spatial distribution of population density based on a census statistics and land use data	Water
Myanmar	Mandalay City Urban Services Improvement Project	Urban land cover / land use; Flood risk assessment; Regional land cover / land use; On-demand rapid flood mapping	Water
Tonga	Tonga Integrated Urban Resilience Sector Project	Land use planning	Water



Operational Priority 5

Promoting Rural Development and Food Security



Operational Approaches Possible for EO Support



Climate-smart agriculture



Knowledge-intensive agriculture



Water-food-health nexus



Water service delivery and efficiency

Benefits of EO for OP5

- **Strengthened climate resilience to increase farm productivity**
- **Enhanced water service delivery to optimize irrigation and crop production**
- **Increase food security investments**



Operational Priority 5

Promoting Rural Development and Food Security



Country	Project	EO Support	Sector
Cambodia	Tonle Sap Poverty Reduction and Smallholder Development Project	Historical change information in general cropping patterns	Agriculture, Finance
Mongolia	Sustainable Fodder Management	Drought monitoring and precursory changes in vegetation vigor	Agriculture
Tajikistan	Water Resources Management in Pyanj River Basin	Satellite-based irrigation efficiency monitoring	Agriculture
Timor-Leste	Coffee and Agroforestry Livelihood Improvement Project	historical land cover mapping; actual land cover and coffee plantations mapping with delineation of coffee plantations; land cover change mapping with focus on forest class	Agriculture



Opportunities for Other Operational Priorities





Operational Priority 6

Strengthening Governance and Institutional Capacity



Operational Approaches Possible for EO Support



Strong statistical institutions



Use of digital technology

Benefits of EO for OP6

- **Reliable statistics for monitoring, evaluation, and evidence-based policymaking**
- **Scaling up use of DT to improve service delivery and public administration**



Operational Priority 7

Regional Cooperation and Integration



Operational Approaches Possible for EO Support



Renewable energy



Regional climate change mitigation and adaptation



Environment and sustainable tourism

Benefits of EO for OP7

- **Climate-friendly energy infrastructure connectivity**
- **Increased and diversified regional public goods through climate-resilient interventions**
- **Strengthened regional tourism based on shared diversity**



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Thank you!

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