

"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



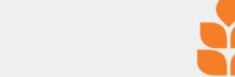
Accelerating progress in gender equality



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





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

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



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



	Country	Project	EO Support	Sector
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	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

- 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



## 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

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





## **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

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







## Operational Approaches Possible for EO Support



Renewable energy



Regional climate change mitigation and adaptation



**Environment and sustainable tourism** 

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





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# Thank you! Xiaohong Yang

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