

Empowering Developing Member Countries to Use Multispectral Satellite Images

Section 1: General Information	
Summary	Established by the Asian Development Bank (ADB), supported by European Space Agency (ESA) and Japanese Aerospace Exploration Agency (JAXA), and funded by the High Level Technology Fund, e-Asia Knowledge Partnership Fund, and Water Financing Partnership Facility. The initiative fosters the operational use of full, free and open satellite images processed with Artificial Intelligence using cloud-based infrastructures for increased water resilience.
Proponent Name(s)	Asian Development Bank
Proponent Type	International Organizations and Civil Society Organizations
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Region	Asia Pacific

Section 2: Commitment	
Linkages to SDG 6	Implement Integrated Water Resources Management, Protect and Restore Water-Related Ecosystems, Expand Water and Sanitation Support to Developing Countries
Target	Improve capacity of DMCs to use free and open multispectral satellite data
Linkages to other SDG	Sustainable Cities And Communities, Climate Action, Life On Land

Section 3: Actions and Outcomes to Achieve Targets	
Relevant Sub-Theme	Water Security and Prosperity, Disaster Risk Reduction and Management, Knowledge and Innovation
Actions and Outcomes	<p>The initiative fosters the operational use of full, free and open satellite images processed with Artificial Intelligence using cloud-based infrastructures. The information derived is used to build resilient physical infrastructures, flood early warning systems and, to draft contingency plans for improved risk management.</p> <p>It supports operationalization of cloud-based platforms for increased water resilience through the following outputs:</p> <ul style="list-style-type: none"> - Integration of Earth observation technology solutions into projects supported. - Knowledge in adopting Earth observation-based solutions improved.

	Further information available through the link: https://www.adb.org/projects/54321-001/main	
Implementation Period	Start Period	1/1/2024
	End Period	12/31/2025
Financial Commitment	ADB provides financial assistance to cover coordination and budget needed to implement the initiative, technology partners provide in-kind resources, and trust funds additional financial resources.	