Early Warning System

ADB-58433-001

Regional : Development of New Technologies for Data Exchange and Improved Economic Measurement

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Quick Facts

Countries	Bangladesh, Indonesia, Maldives, Sri Lanka, Vanuatu
Financial Institutions	Asian Development Bank (ADB)
Status	Approved
Bank Risk Rating	U
Voting Date	2025-05-06
Borrower	Regional - Asian Development Bank
Sectors	Law and Government, Technical Cooperation
Investment Type(s)	Grant
Investment Amount (USD)	$ 0.50 million
Project Cost (USD)	$ 0.50 million

Project Description

According to the Bank’s website, the technical assistance (TA) aims to strengthen the national statistics offices (NSOs) by focusing on two key areas: (i) promoting standardization among data providers through the Statistical Data and Metadata eXchange (SDMX), and (ii) enhancing data quality through seasonal adjustment techniques that eliminate seasonal effects and reveal underlying trends. These efforts will result in more reliable data for an informed policy and decision making.

Ensuring widespread data dissemination and user access to economic and social indicators through the adoption of SDMX can significantly improve the accessibility of statistical data for informed decision making. By streamlining data sharing, DMCs can improve the overall efficiency of data management and facilitate easier access to key economic data, making data more usable for stakeholders. Further, by leveraging on the use of SDMX, NSOs can adopt application programming interfaces (APIs) which are rules and protocols that allow different software applications to communicate and interact with each other. An SDMX REST (representational state transfer) APIs allows various data users like statisticians, developers, and analysts to access the data via machine-to-machine without manual intervention. Also, the Key Indicators Database (kidb.adb.org) utilizes a REST API that adheres to the SDMX standard, supporting data formats like XML (extensible markup language), CSV (comma-separated values), and JSON (JavaScript object notation). Thus, SDMX supports more efficient data exchange and automated user access to official statistics.

Early Warning System Project Analysis

According to the Technical Assistance Report, the Risk Categories are:

Environment: Not Applicable
Involuntary Resettlement: Not Applicable
Indigenous Peoples: Not Applicable

Investment Description

- Asian Development Bank (ADB)

The TA financing amount is $500,000, which will be financed on a grant basis by ADB's Technical Assistance Special Fund ($150,000 under TASF 8 and $350,000 under TASF–other sources).

Contact Information

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Bank Documents

- Development of New Technologies for Data Exchange and Improved Economic Measurement: Technical Assis