



Regional: Nowcasting and Disasters: Impact-Based Forecasting and Socioeconomic Monitoring

Project Name	Nowcasting and Disasters: Impact-Based Forecasting and Socioeconomic Monitoring
Project Number	54113-001
Country	Regional
Project Status	Proposed
Project Type / Modality of Assistance	Technical Assistance
Source of Funding / Amount	
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth
Drivers of Change	Governance and capacity development Knowledge solutions Partnerships
Sector / Subsector	Public sector management - Economic affairs management
Gender Equity and Mainstreaming	Some gender elements
Description	The knowledge and support technical assistance (TA) will establish a monitoring platform to assess in near-real time the economic impacts of disasters, and to trace social, environmental, and other indicators of relevance.
Project Rationale and Linkage to Country/Regional Strategy	Analysts and policymakers wanting to assess the socioeconomic impacts of extreme events such as disasters and economic crisis typically lack access to timely, current information. For example, there was a dearth of currently observable data upon which to assess the coronavirus disease 2019 (COVID-19) pandemic's impacts during the first weeks and months upon its appearance, other than the recorded numbers of clinically-confirmed cases and fatalities. This added to uncertainty and socioeconomic costs associated with the outbreak and stunted the effectiveness of early policy response. The same is true for disasters such as floods, droughts, and earthquakes, whose impacts are usually not assessed until long after the event, or remain entirely unknown. Also in normal times, ADB's DMCs often have limited capacity to monitor current economic activity. ADB has been active in providing nowcasting solutions, especially to countries where gross domestic product and other core economic indicators become available only on a yearly basis, hampering timely policy interventions. This TA will enhance these efforts by establishing a data collection and monitoring platform for nowcasting and impact-based forecasting to rapidly assess socioeconomic impacts of disasters as well as baseline performance during normal times. It will also set up analytical frameworks to more accurately measure disaster impacts retrospectively.
Impact	Climate and disaster resilience, economic and social monitoring, and policy formulation in ADB's DMCs improved
Outcome	Disaster impact assessments and socioeconomic monitoring capacity in ADB's DMCs strengthened
Outputs	State-of-the-art data collection and nowcasting technologies for contemporaneous impact assessments put in place in ADB Data and methods combined and calibrated for ready application to DMC-specific circumstances Ex-post impact assessments conducted
Geographical Location	Regional
Summary of Environmental and Social Aspects	
Environmental Aspects	
Involuntary Resettlement	
Indigenous Peoples	
Stakeholder Communication, Participation, and Consultation	
During Project Design	
During Project Implementation	
Business Opportunities	
Consulting Services	ADB will engage the consultants following the ADB Procurement Policy (2017, as amended from time to time) and its associated project administration instructions and/or staff instructions. Firms may also be recruited, especially if necessary to access proprietary data platforms or modelling techniques and will be selected through either consultant qualification selection or direct contracting method. Since there are only a handful of firms that have highly-specialized expertise in disaster impact assessments and nowcasting using big data, and also considering that recruitment time is critical during a disaster episode, the proposed selection methods are Consultants' qualification selection and direct contracting (single-source selection). Up to 15 individual international consultants will be engaged to prepare retrospective (ex-post) studies that systemically assess the impacts of past disasters and socioeconomic shocks. One national consultant will be hired to assist with coordination on data collection and analysis. For capacity building activities, the TA will engage two or more individual international consultants to support on-site activities. ADB will engage experts, which could include ADB staff, as resource persons to produce knowledge products and facilitate workshops, trainings and conferences.

Procurement The purchase of information communication technology-related equipment, supplies, econometric or statistical programs and/or software, will follow the ADB Procurement Policy (2017, as amended from time to time) and Procurement Regulations for ADB Borrowers (2017, as amended from time to time). The TA team will also consult ADB's Information Technology Department and Office of Administrative Services in relation to the purchase of information communication technology hardware and software. Where applicable, the TA team will coordinate with ADB's Procurement, Portfolio and Financial Management Department and Office of the General Counsel before purchasing datasets and signing data use agreements with DMC statistical agencies and third-party database providers. After the TA is completed, the TA team will dispose of any procured equipment in compliance with the project administration instructions on administering grant-financed TA projects. Disbursements under this TA will be made in accordance with ADB's Technical Assistance Disbursement Handbook (2010, as amended from time to time).

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Responsible ADB Department	Economic Research and Regional Cooperation Department
Responsible ADB Division	Office of the Chief Economist, ERD
Executing Agencies	Asian Development Bank 6 ADB Avenue, Mandaluyong City 1550, Philippines

Timetable	
Concept Clearance	-
Fact Finding	-
MRM	-
Approval	-
Last Review Mission	-
Last PDS Update	17 Apr 2020

Project Page	https://www.adb.org/projects/54113-001/main
Request for Information	http://www.adb.org/forms/request-information-form?subject=54113-001
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