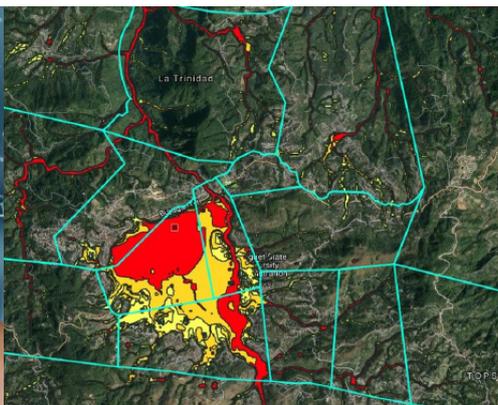


EVENT SNAPSHOT



URBAN CLIMATE
CHANGE RESILIENCE
TRUST FUND
Asian Development Bank

Maps and Spatial Data for Digital Project Development



EVENT DETAILS

Thursday 5 December 2019, 8:30 am - 5:00 pm.

41029 NW, ADB, Manila, Philippines

SPEAKERS

- Mitsunori Yoshimura, Sustainable Development and Climate Change Department (SDCC)
- Ko Hamamoto, SDCC
- Bonapart Masangcay, SDCC
- Jules Hugot, Private Sector Operations Department (PSOD)
- Abraham Villanueva, Office of Administrative Services (OAIS)
- Mikio Mukai, Office of Information and System Technologies (OIST)
- Marc Lepage, OIST
- Jojo Tolentino, AIDEA
- Virinder Sharma, SDCC

GEOGRAPHIC INFORMATION SYSTEM IN PROJECT DEVELOPMENT

Geographic Information System or GIS is one example of geospatial technology that is now widely used to support analysis and decision-making in various fields, including urban and regional planning, civil works, architecture, and infrastructure planning, among others. GIS allows users to organize spatial data into various layers of information into maps as a tool to aid project design and site analysis.

In 2018, the Urban Climate Change Resilience Trust Fund (UCCRTF) in collaboration with SDCC and the Operations Department, launched the Spatial Data Analysis Explorer or SPADE. It is an interactive web-based cloud platform that can host geospatial information that can be used by staff and consultants for project identification and preparation, due diligence, engineering design and

monitoring. It uses open-source technology so the information is easily accessible to registered users. SPADE currently has spatial information for 21 project cities.

UCCRTF hosted a training workshop for ADB Staff to provide an overview of geographic information systems, available tools and platforms and its application for various stages in the ADB project cycle. The training highlighted the need for stronger user uptake and skill transfer of these spatial tools within ADB.

Around 20 staff and consultants from various units and departments including SDCC, South Asia Regional Department (SARD), Southeast Asia Regional Department (SERD), Economic Research and Regional Cooperation Department (ERCD), and Central West Regional Department (CWRD) attended the training.

"We need to have a spatial platform that ADB Project Officers can use. SPADE is a repository of spatial data and information, which needs to be used for decision-making." - Virinder Sharma, UCCRTF Lead

URBAN CLIMATE CHANGE RESILIENCE LESSONS

SPADE is accessible, low-cost, easy-to-use, and improves cross-collaboration.

Registered users can log on to SPADE from any computer or mobile device. It only needs internet connection and a mobile device – no need to purchase any software. Even users without a GIS background can navigate the platform. Teams can work simultaneously from various locations in real time to create, edit, publish and share maps.

SPADE is a cloud-based, central repository of geospatial data and information within ADB.

Previously scattered data can become accessible and relevant for ADB, governments and other partners. This could translate to resource efficiency in the long – term.

SPADE is a tool to inform strategic decisions on project design and investments. It can store layers of information over a city map and help project team to determine impacts of

proposed projects and plan for future climate risks.

SPADE can be used for consultations, due diligence, project implementation and monitoring. It produces visual outputs (maps) that can be used for participatory decision-making. It also provides platform and data to inform socio-economic and environmental assessments to ensure safeguards are observed prior to and during project implementation.

CONTACT FOR FURTHER INFORMATION

- Virinder Sharma, UCCRTF Lead • Email: vsharma@adb.org