

EVENT SNAPSHOT



URBAN
CLIMATE CHANGE
RESILIENCE
TRUST FUND
Asian Development Bank

Maps and Spatial Data for Informed Decision Making in ADB Projects



Speaker: Erik Kjaergaard

EVENT DETAILS

Wednesday 25 September 2019, 2 - 3pm.
K-HUB, ADB Headquarters, Manila.

SPEAKERS

- Alexander Nash, Urban Development Specialist, Southeast Asia Department
- Erik Kjaergaard, Disaster Risk Management Specialist, South Asia Department
- Neeta Pokhrel, Unit Head, Project Administration, South Asia Department
- Mikio Mukai, Principal IT Specialist, Office of Information Systems and Technology
- Vickie Antonio, UCCRTF
- Virinder Sharma, UCCRTF

OVERVIEW - WHY MAPS AND SPATIAL DATA MATTER

Over recent decades the ability to overlay high-resolution maps and spatial data has transformed project decision-making in areas such as risk assessment, project siting, and resettlement planning. The Spatial Data Explorer (SPADE), funded by UCCRTF, allows ADB project officers to rapidly access and overlay maps and spatial data in a user-friendly online format.

SPADE also serves as a long-term, open-source platform to store and

share data between projects, staff, and beneficiaries. This can help to avoid the loss of valuable data for future projects. SPADE is available online, and training will be made available to ADB staff in the coming months.

Beyond the SPADE platform, ADB is exploring remote sensing technologies to transform urban well-being. One such example is the Kolkata Flood Forecasting and Early Warning System, India's first comprehensive city-level flood forecasting system.

"Spatial information is no longer a nice to have... it's just the way we work now."

- Alexander Nash, Urban Development Specialist, SERD

URBAN CLIMATE CHANGE RESILIENCE LESSONS

Spatial data can help to identify resilience issues and opportunities rapidly and effectively. This includes evaluating the current and future risk of climate change hazards such as flooding in relation to project location, service area, and broader context.

Maps are a powerful tool to communicate risks and resilience opportunities with government and other project stakeholders. SPADE can

help to reduce ADB staff dependence on external service providers to generate map products, and provides a value-add for Developing Member Countries.

Data generated on ADB projects can be a valuable long-term asset. Storing data on a centralized platform will help to ensure more integrated and informed decision-making.

Real-time monitoring unlocks opportunities to enhance resilience. The Kolkata Flood Forecasting and Early Warning System supports communities, businesses, and government to prepare and respond to floods and other seasonal events by providing forecasts and real-time updates from citywide sensor nodes via a mobile app and online dashboard.

FURTHER INFORMATION

- The SPADE Platform: <https://adb-spade.org/>
- Towards Resilient Kolkata: <https://www.adb.org/publications/toward-resilient-kolkata>