

Software Defined System on Disaster Mitigation and Smart Cities

Goals: This project addresses the impact of climate change on cities and urbanization, with particular relevance to the priority area of improving environmental resilience and more specifically in disaster mitigation.

Members:

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Activities:

- Develop a Software Defined System architecture blueprint for disaster mitigation, crisis communication, and emergency management that can monitor and report disaster events in near-realtime.
- Investigate programmability aspects of IoTs technologies, storage, networking, and edge/cloud computing platforms.
- Conduct field testing of potential use cases using NICT’s existing testbeds such as JGN-X, Starbed, and JOSE.
- Organise workshops with ASEAN members to disseminate R&D results.
- Dialogue with PRAGMA (NSF, US), CENTRA (NSF, US), and CECEA (Taiwan) on similar R&D challenges to accelerate project activities.

