

Capacity development in space applications and geographic information systems

Priority for Action 1: “Understanding disaster risk”
 Priority for Action 4: “Enhancing disaster preparedness for effective response”



Photos from an intensive training session for technical officials from the Pacific Island countries

Application field: ESCAP supports disaster-prone countries to enhance institutional and technical capacity for using geospatial information and technology applications, in collaboration with United Nations partners and regional organizations.

Methodology: Through capacity building programmes and country pilot projects for technical staff from member States, ESCAP, together with regional organizations, delivers these programmes at a regional and sub-regional level.

Key results: Institutional and technical capacities are enhanced to effectively use, analyze and manage satellite-derived data, geospatial information and relevant technology applications, such as geo-portals, geo-databases and analysis tools, for effective disaster risk management.

Innovative impact: Increased awareness for using emerging geospatial tools and applications to collect and analyze disaster-related geospatial data, in support of monitoring and implementing the Sustainable Development Goals.

Strengthening multi-hazard risk assessment and early warning systems applications of space and geographic information systems

Application status: ongoing

Intensive capacity development sessions for Pacific island countries
 (Cook Islands, Fiji, Kiribati, Micronesia (Federated States of), Samoa, Solomon Islands, Tonga, and Vanuatu)



The project aims to enhance institutional and technical capacity for using geospatial data and technology applications and promote regional cooperation for sharing geospatial data for disaster management in Pacific island countries.

Key publications include:

- Gaps and needs analysis reports on geo-portal/geo-database and early warning system in the Pacific
- Meeting report from the First Pacific Workshop on Multi-Hazard Risk Assessment and Early Warning Systems with Applications of Space and Geographic Information Systems
- Reports on intensive training sessions for technical staff

<http://www.unescap.org/our-work/ict-disaster-risk-reduction/space-technologies-and-gis-applications-sustainable-development>

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