Geospatial Guideline for Disaster-related SDGs in SPECA

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Who is ESCAP?

United Nations Economic and Social Commission for Asia and the Pacific
Areas of Work

Sustainable Development

- Macroeconomic Policy
- Social Development
- Transport
- Environment & Development
- Trade & Investment
- ICT
- Disaster Risk Reduction
- Statistics

ESCAP’s Work
1. Regional intergovernmental platform for sustainable development *(Resolutions)*

2. Policy and norm setting to address sustainable development challenges *(disaster, climate change)*

3. Regional knowledge hub for sharing know-how, experience and practices
What We Need for DRR

1. Access to geospatial data and information - Database

2. Analytical capacity for evidence-based decision makings
   - Scenario and patterns, GIS specialists
   - Geo-referenced information system (Geo-portal)

3. Mobilization and implementation capacity
   - SDI, early warning system, response capacity
   - Policy, strategies, action plans

4. Institutional arrangements and technology

5. Regional cooperation frameworks (mechanisms)
   - UN Regional Commission, RESAP, UNGGIM, UNRCC
What Developing Countries Need

1. **Limited access** to geospatial data and Information
   - Low access to space imagery and digital maps
   - Integrated database

2. Analytical capacity for evidence-based decision makings
   - Geospatial information system
   - Decision making tools

3. **Lack of a critical mass of GIS specialists**
What Developing Countries Need

4. Mobilization and implementation capacity
   - Low national mobilization capacity during emergency
   - Policy, strategies, action plans on GIS.

5. Institutions and technology
   - Interchange data among ministries
   - Integrated system among data, decision makers, planners and people
   - Less user groups

6. Support by regional cooperation frameworks (mechanisms)
   - RESAP, UNGGIM, UNRCC…….
What IDD Doing?

1. Geo-DRM
   - Open sourced geo-referenced information systems for disaster risk reduction (Geo-DRM)
   - Space-derived data + ground socio-economic data = monitoring and early warning
   - Evidence-based approaches for right decision making
   - Geo-portals in pilot countries: Bangladesh, Fiji, Kyrgyzstan, Mongolia, Nepal, and the Cook Islands
   - Capacity building & Open source S./W
2. Regional Drought Mechanism

- **Space-derived data** for monitoring and early warning of drought
- **Regional service nodes**: China and India (knowledge, data and satellite information)
- **Pilot countries**: Sri Lanka, Mongolia
What IDD Doing?

3. Provision of satellite imagery
   - Provide near real time satellite images to disaster affected country, region and communities

4. Analytical research
   - Regional guidelines on rapid assessment of damage and losses (with SAARC)
   - SOPs for utilizing space based data during disasters (with ASEAN)
What IDD Doing?

5. RESAP Secretariat

- Play as a secretariat of the Regional Space Applications for Sustainable Development (RESAP) since 1994
- Organizing the 19th intergovernmental consultative Committee (ICC) of RESAP for 26-28 October in UN Conference Center in Bangkok, Thailand
Case: Capacity Building
Enhancing regional cooperation and capacity of geographic information systems (GIS) for disaster risk reduction (DRR) in Central Asia.
Objectives

To develop geospatial guidelines to assess, monitor and report on the implementation progress of disaster-related SDGs through the use of geospatial data.

Time Frame: May 2017 – March 2019
Key Activities

1. Draft geospatial guidelines to assess the implementation progress of disaster-related SDGs

2. 1st EGM on 1-2 November 2017 in Central Asia (tentative)

3. 2nd EGM in early 2017; 3rd EGM…

4. Pilot testing in selected SPECA countries

5. sub-regional workshop
Call for Partnerships

1. Research together to develop geospatial guidelines to measure disaster better
2. Organize EGM together for knowledge sharing
3. Pilot test together to find real applications in the country level
4. Organize sub-regional workshop to share lessons learned.
Thank you very much

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