UN-SPIDER
Technical Advisory Mission
to Mozambique 8 – 12 October 2012

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Objectives of the Mission

➢ To review current **policies**, **procedures** and **mechanisms** related to the use of space-based information and make recommendations.

➢ To engage key **stakeholders** who are custodians of **geo-spatial data** related to disaster management

➢ Develop a **capacity building** strategy for stakeholder agencies

➢ Develop a **long-term association** with UN-SPIDER to take benefits of outreach activities, capacity building programmes and resources available through UN-SPIDER network.

Meetings Held

INGC

MINAG

National Directorate of Agrarian Services (DNSA)
National Centre for Cartography and Remote Sensing (CENACARTA)

INAM

ARA SUL

INE

MICOA

UEM

UDM

UN System including World Bank/GFDRR

Humanitarian Organizations (Red Cross, …)

Workshop

National Workshop

Observations

1. Policy and Coordination

- Disaster Management and Contingency Plans are in place providing an opportunity for using geospatial information

- Coordination mechanism for disaster management is available (CTGC) which brings in different ministries/departments working with geo-spatial information

- Simulation exercise carried out annually provides an opportunity for integration of geospatial products including satellite images

- Organisations expressed willingness to improve the coordination efforts

- Information sharing policy is not available which limits data sharing.

- No current discussion on the need to establish a National Spatial Data Infrastructure (NDSI)

Observations

2. Data and Information (status, availability and sharing)

- CENACARTA is mandated to provide baseline data (topographic maps, vector layers and satellite data) - baseline data needs to be updated.

- Thematic mapping is done within different ministries/departments (e.g. INAM, DNA/ARAs, INE).

- Geodetic reference system requires upgrading

- Metadata generation needs improvement, including standardization

- Identified difficulties in getting data from INE

- Informal data exchange exists among several departments

- Lack of awareness about the use and existence of geo-spatial data (need to improve dialogue)

3. Capacity Building and Institutional Strengthening

- Several institutions are involved in international projects involving space-based and geospatial information (e.g. INGC, INAM, FEWSNET, UEM, UDM etc.)

- Capacities to use GIS exists within several organisations

- INGC needs capacity to make use of the thematic data provided by different institutions

- Awareness and appreciation at decision-making level is required

Recommendations

1. Policy and Coordination

- Update *Disaster Management and Contingency Plans* to make provisions to incorporate space-based and geospatial information

- Policy interventions to define clear cooperation and information sharing mechanism between data provider organisations and user organisations

- Establishment of a National Spatial Data Infrastructure should be taken up on top priority to ensure optimisation of use of existing resources.

- Effort to have in place professional body bringing together geospatial experts

Recommendations

2. Data and Information (status, availability and sharing)

- Creation and implementation of infrastructure for data sharing specially top-priority for governmental institutions

- **N**ational **S**patial **D**ata **I**nfrastructure covering

    - road map for data creation and data management

    - metadata,

    - standardization

    - quality control,

- National geodetic reference system needs improvement

- Awareness of the use of open-source software and open data should be strengthened

Recommendations

3. Capacity Building

- Enable stakeholders of INGC (members of CTGC) with on the job training to impart specific skills

- Train-the-trainer in specific domains of risk, hazard and vulnerability mapping (Develop national capacity to generate critical mass of trained personnel)

- Forum to generate awareness (workshop, technical committee, associations) to engage various levels of decision makers

Recommendations

4. Other

- Disaster Management Information System is needed to ensure integration of all information and providing meaningful inputs for decision making

- Ensure access by INGC to mechanisms that make space-based information available during emergency response: International Charter Space and Major Disasters among others.

- Internship program within companies/municipalities as an opportunity

Impact

- Review
  - Current state of technology use in DRM and DM
  - Identify constrains and challenges
  - Define requirements
- Sensitizing key stakeholders
- Awareness generation
- Identifying missing links and opportunities
- Networking and fostering cooperation

Way forward

- Finalise report and incorporate TAM recommendations in UN and Government led programmes

- Link recommendations to UNDAF

- UN-SPIDER facilitation (workshops and training programmes, leveraging on opportunities provided by partners)

- UN-Affiliated Centres for long-term training

- Bilateral cooperation with TAM experts

Courtesy: UN-SPIDER TAM Team

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THANK YOU