Collaborative Approach Fostering Global Peace and Prosperity

Objective of this session on Collaborative Approach
Fostering Global Peace and Prosperity

- To build a collaborative approach between the UN agencies and the technology providers in support to the wide range of UN mandates
- To share experiences and success case studies
- Highlight emerging trends in geospatial analysis and informatics and demonstrate the use of data to improve transit efficiency and effectiveness
- Provide a forum for public-private-UN discussions about practical applications of new technologies
- To inform broad cross-section of UN users about geospatial technology and applications
Session time schedules

Thursday 8 May

- 0900 - 1100 Hrs: UN Programs, Inter Agency Collaboration, Peace and Security
- 1330 - 1500: UN Programs, Inter Agency Collaboration, Peace and Security (cont’d)
- 1600 - 1730: Focus on Humanitarian Assistance

Friday 9 May

- 0900 - 1100: Development at Local Level
- 1330 - 1500: Panel Discussion
UNOSAT today

- UNOSAT is the Operational Satellite Applications Programme of the UN Institute for Training and Research (UNITAR) – entirely dedicated to researching and applying solutions in geo-spatial imagery analysis, mapping and capacity development.

- A mature UN centre of excellence with global outreach supported by a network of partners worldwide.

- Since 2003, operational in over 290 emergencies & conflicts.

- 27 people: Geneva, N’Djamena (Chad), Nairobi (Kenya) and soon Bangkok (Thailand).
LANDSLIDE IN AB BAREK, BADAKSHAN PROVINCE, AFGHANISTAN

Analysis with WorldView-1 Data Acquired 3 May 2014 & Landsat 8 Data Acquired 30 March 2014

This map illustrates satellite-detected areas of landslide damage in the village of Ab Barek in Badakshan Province, Afghanistan. Using a satellite image acquired 3 May 2014 by the WorldView-1 satellite, UNOSAT delineated the primary landslide area as well as a probable secondary area directly affected by the slide. Using a linear model, Landsat-8 imagery from 30 March 2014 was selected to map the periphery of the landslide area. The extent of impacted buildings is also indicated though this should be treated as preliminary and speculative. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to unitar/unosat.

Map Scale: 1:5,000

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Image courtesy of NASA
UNOSAT Global Report on Maritime Piracy
a geospatial analysis 1995-2013

www.unitar.org/unosat/piracy
CURRENT UNOSAT TRAINING & CAPACITY BUILDING PORTFOLIO

TRAINING AT UNOSAT
On the job internships and traineeships at UNOSAT

IN-COUNTRY CAPACITY BUILDING
Use to strengthen local capacities in the use of satellite imagery for disaster risk management and territorial planning.

WORKSHOPS & INFORMATION SHARING SESSIONS
Use of geospatial information technologies for decision makers.

BASIC & ADVANCED COURSES
Use of satellite imagery for human security, emergency response, mapping and strategic territorial planning.

MASTER LEVEL COURSE
Use of satellite imagery for emergency response mapping.

CAPACITY DEVELOPMENT PARTNERSHIPS
- Intergovernmental Authority on Development (IGAD)
- Asian Disaster Preparedness Center (ADPC)
- Government of Chad
- UN Economic and Social Commission for Asia and the Pacific (UNESCAP)
- University of Copenhagen
- University of Geneva
- Government of Costa Rica
- Government of Algeria
- UNICEF
- Swiss Agency for Development and Cooperation (SDC)
Raised awareness of benefits from using geo-spatial technologies for DRR.

3. Technical Trainings to IGAD associated centres as well as supporting the centres to commence their own GIS-related analysis and development of maps.

Develop geo-database that acts as a common central data storage and management framework for GIS.