

JPTM 2018 Report

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JPTM 2018

5th Joint Project Team Meeting for Sentinel Asia Step3 (JPTM2018)

- held at Howard Civil Service International House, in Taipei, Taiwan from 23-24, January, 2018.
- jointly organized by the National Applied Research Laboratories (NARLabs) and Japan Aerospace Exploration Agency (JAXA).
- Total participants: 66 (30 International and 36 local), from 13 Countries, 25 Organizations: 25.



Objectives:

- Review **SA Strategic Plans for the next 10-yrs** prepared by the Steering Committee,
- Share how members have applied SA to **disaster prevention and management** in their countries,
- Improve the **international cooperation** on emergency observation, disaster mitigation and preparation.

Session 1: Status Report

- Introduction of New Members

- NDMRI (South Korea)
- MBRSC (UAE)
- EOS (Singapore)



- Overview of Emergency Observation (ADRC)

- 27 emergency observation requests were implemented

- Data Provider Node Report

- JAXA, NAR Labs, STI/VAST

- SA Related Documents Revision (JAXA)

- Status of strategic plan by leading agencies as discussed at 3rd Steering Committee @Bangkok

Session 2: SA Strategic Plan for next 10-yrs

- New Satellite Data Provisions and Systems
 - EOR Revision
 - OPTEMIS contribution by GISTDA
 - Data Sharing System through Cloud Server
- Value Added Product (VAP)
- End-User Enhancement
- Step-3 Activities for Complete DRR cycle
- Communication, Collaboration and Cooperation

Session 3: Local Hosts' Special Session

Sharing Taiwan Experience

- NCDR-National Science and Technology Center for Disaster Reduction



Disaster risk reduction and management by science and technology

Integrated Early Warning Info, Disaster Risk Analysis, Disaster Info Sharing

- **CSRSR**-Center for Space and Remote Sensing
National Central University



- **Academia Sinica**



- National Taipei University

- **GIS Center, Feng Chia University**



Session 4: WGs Activity & Member Reports

- WGs Activities
 - Water related disaster WG (IWMI/ICHARM)
 - Proposal for SA Tsunami WG (Dr. Koshimura)
 - Wildfire WG (JAXA)
- Member Reports
 - Myanmar Earthquake Committee, Myanmar: **Active Faults**
 - Ministry of Emergency Situation, Armenia: **Earthquake Protection**
 - LAPAN, Indonesia: **Products of Disaster Management:**
 - >> early warning >> emergency response >> affected area mapping
 - VEA/MONRE, Vietnam: **Flood and Storm Control**
 - JAXA, Japan: Rapid Disaster Response

Session 5: SA Step3 to Sendai Framework for DRR

- Proposal on how to proceed Step 3 activities by SC member (Dr. Giriraj & Dr. Hazarika)
 - Review previous activities, identify problems, propose solutions and lead to implement Step3 to enhance the contribution of space based technology to DRR

Sendai Framework for Disaster Risk Reduction



Session 6: Project Management

Primary Data Analysis Node (P-DAN) Report

– GIC-AIT



– University of Tokyo

Automations of Data Processing



Precise Data Resources: small-scale satellite constellations

– Yamaguchi University



Session 7: Mitigation and Preparation

- Applying space-based technology and ICT to strengthen disaster resilience (ADB)
 - **Pilot Countries:** Philippines, Bangladesh, Armenia
 - **2016 Inception Workshops:** @Manila,PHI @Dhaka, BNG @Dilijan,AMR
- Space-based applications to support sustainable solutions for risk reduction and risk management (ADPC)
 - **Surface Water Mapping Tool**
 - **Geo-database** for response/preparation
 - **InSAR** on subsidence monitoring
- Space-based information utilization for preparedness and emergency response in ASEAN (AHA Centre)



Session 8: Emergency Response

- Reviewed EOR and Emergency Observation Response Procedure (ADRC)
- Reported OPTEMIS Training on **Emergency Observation Constellation Planning Platform (GISTDA)**

A nighttime photograph of the Taipei skyline, featuring the Taipei 101 skyscraper as the central focus. The building is illuminated with vibrant green and red lights, standing out against the dark blue twilight sky. The surrounding city is filled with numerous other buildings, their lights creating a dense, colorful urban glow. In the background, the silhouettes of mountains are visible under the fading light of the sunset. The overall scene captures the energy and modernity of the city.

Thank you !