RSO Update

Asian Disaster Preparedness Center (ADPC)

Peeranan Towashiraporn – ADPC

UN International Conference on Space-based Technologies for Disaster Management
September 21, 2016 - Beijing, China
ADPC signed an agreement to become UN-SPIDER RSO

5 April 2016
Annual UN-SPIDER Regional Support Offices Coordination Meeting & UN-SPIDER+10 Anniversary Conference

6 - 8 June 2016, Vienna, Austria
UN-SPIDER Technical Advisory Mission follow up activities

27 June - 1 July 2016, Nay Pyi Taw, Myanmar

• Together with ICIMOD
• Participated in a training on the “Use of Earth observation data and GIS techniques for landslide hazard mapping”
• Shared experience of Multi-Hazard Risk Assessment in Bangladesh in High level advocacy and Technical consultation meetings
UN-SPIDER Technical Advisory Mission follow up activities

25 - 29 July 2016, Vientiane, Lao PDR

- Together with IWMI, Beijing Normal University
- Participated in a training on the “space based technologies exploring the use of earth observation data and modeling tools in flood risk mapping and flood early warning”
ASEAN workshop on ‘Simulation exercise on the procedural guidelines for sharing space-based information during emergency response’

19 - 21 April 2016, Bogor, Indonesia
"CONNECTING SPACE TO VILLAGE" IN THE LOWER MEKONG REGION

SERVIR-Mekong is a geospatial data-for-development program that responds to the needs of Lower Mekong countries.

Learn more

FEATURED

Estimated Dry and Wet Season Surface Water Distribution

Monitoring Land Cover for Resilient Development

Aug 18 2016
SERVIR-Mekong’s Virtual Rain Gauge

- Data on a 3-hourly basis, which would be suitable even for nowcasting (i.e., less than 6 hours) system, which are especially relevant for flash flood and small river warnings.

- GPM precipitation datasets are freely available through the NASA website (http://pmm.nasa.gov/data-access/downloads/gpm)

Source: NASA
This satellite-based surface water mapping system produces a series of historical inundated areas for the years 2000 to 2015 in the Lower Mekong Basin to help end users visualize and understand the inter-annual variability of inundated areas.

The tool uses publicly available satellite imagery and radar data (initially from Landsat 7 and 8 and later from Sentinel-1 radar).
SERVIR-Mekong’s Drought Monitoring

- Based on Regional Hydrological Extremes Assessment System (RHEAS) and Decision Support System for Agrotechnology Transfer (DSSAT) models

- Assist stakeholders with:
  - Drought monitoring
  - Seasonal drought forecasting;
  - Short and long-term mitigation measures during and in advance of droughts; and
  - Crop yield forecasting
Going Forward

• Continue to support in TAM missions and follow-up activities

• Organize joint learning workshop

• Propose joint projects
THANK YOU FOR YOUR ATTENTION

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