

Geoscience WG update

PRAGMA 24

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About Geoscience WG

- Geographic data infrastructure and data sharing
 - Disaster mitigation
 - Environmental study
- Current activities
 - Asia Geo Grid Initiative
 - Cloud based disaster management information platform
 - Flood and ocean modeling

Updates

- Asia Geo Grid Initiative
 - Satellite Field Integrator for (5) flux data and (3) satellite data
 - E-Rium for ecology and disaster warning applications
- Flood and ocean modeling
 - Tide and river interaction in coastal area
 - Deeper understanding of storm surge simulation results
- Cloud based disaster management information platform (next two pages)

NCHC/NARL

Disaster Management Information Platform update

- Collaboration plan meetings between NECTEC & NCHC for “Cyberinfrastructure development for reservoir operation and flood forecast” . NECTEC visited NCHC March 13–15; NCHC visited NECTEC March 20. Technology collaboration items may include:
 - Digital watershed
 - Sensor network
 - 3D GIS application system
 - River forecast models

- Preliminary collaboration planning between VNU and NCHC on 3D GIS application system.
- Building the framework link between Disaster Management Information Platform and NARL Earth science database.
- Building database interface for two simulations models: Inundation risk forecast model and land slope sliding risk forecast model.