

# **Remote Sensing and GIS for Watershed Management**

*Sponsored by JAXA and Conducted at STEA of Laos*

**5-9 December 2005**

## Training Materials

1. Schedule (Timetable)
2. List of Resource Persons
3. JAXA Activity  
*By Mr. Sotaro Ito*
4. Basic Remote Sensing and image interpretation  
*By Dr. Lal Samarakoon*
5. Basic Geographic Information System (GIS) Vector/Raster Model  
*By Dr. Lal Samarakoon*
6. Remote Sensing & GIS for Watershed Management and estimate Soil potential  
*By Dr. Lal Samarakoon*
7. Hands-On  
*By Ms. Prathumchai Kulapramote and Mr. Kyaw Sann Oo*
  - Introduction ArcGIS and Data Creation/Handling
  - Landuse Classification: Visual Screen Editing
  - Watershed Extraction
  - Soil Erosion GIS Analysis
    - a. 3 D Analyst
    - b. Spatial Analyst
  - Applying Parameters
    - a. Landuse
    - b. Slope
    - c. Transportation
  - Case Study Area Extraction