

Research Projects

PHOTOGRAMMETRY AND REMOTE SENSING DIVISION

MAJOR ACTIVITIES COMPLETED DURING 2008-2009

EOAM (Earth Observation Application Mission Projects)

- Assessment of texture parameters for field boundary extraction using high resolution satellite data
- Classification of High Resolution Multi-Spectral Satellite Data Using Texture, Shape and Grayscale Values
- Evaluation of Geometric Accuracy and Optimum Control Requirement for 3-D reconstruction using Rational function Model

TDP (Technology Development Project)

- Preparation and Evaluation of georeferenced multi-date AWiFS VI datasets

IGBP (ISRO Geosphere Biosphere Program)

- Generation of Land Surface parameters from Earth Observation (EO) – Inputs for Regional Climatic Model (RCM) for Monsoon Variability studies

ONGOING PROJECTS (2008-20010)

- Developing Digital Terrestrial photogrammetry applications and case study for Natural resources management and monitoring of natural Hazards

MAJOR PROGRAMMES / ACTIVITIES PLANNED DURING 2009-2010

- Evaluation of approaches of Integrated use of Spaceborne LIDAR with optical and microwave satellite datasets for terrain feature extraction and mapping.
- Evaluation of Multi-Resolution Analysis and Object Oriented Classification methods on Hyper spectral data

Geoinformatics Division

* *Biodiversity Information System* (www.bisindia.org)
Indian Bioresource Information Network(www.ibin.co.in)

TDP- Information Extraction from High Resolution Data