

## **LIST OF PROJECTS IDENTIFIED FOR FOREST/ENVIRONMENT REMOTE SENSING PEER REVIEW COMMITTEE FOR 10<sup>TH</sup> PLAN CONSIDERATION**

- Forests Density Stratification – improvement from 3 categories to 4/5. FSI effort
- Forest Type Mapping on 1:50,000 – to be taken up as National effort. This would be useful in a variety of Forestry and Environmental Applications
- Programmatic efforts for management of wildlife habitats and National Parks
- Specific R&D activities in Forestry and Environment which need to be defined for specific projects/programmes:
  - Carbon stock estimation based on land use change analysis
  - Forest fire monitoring
  - Bamboo cover mapping
  - Biodiversity assessment
  - Biomass estimation
  - Mangrove and coral reef health monitoring
  - Studies towards abatement of environmental pollution (land, water, air)
- NSDI, FSI – development and institutionalization through NSDI task Force
- Forest Working Plan using RS and GIS techniques. To be initiated in about 50 Forest Divisions
- Coordination framework to be worked out between State Forest Departments, FSI, ISRO/DOS and Universities for a larger awareness campaign
- Environmental databases for International Conventional and Protocols and planning various developmental activities.
- Systematic programme for EIA for all developmental projects (industries, mining, infrastructure, urbanization etc)
- Waste disposal sites – identification and monitoring
- Wetland biodiversity – assessment and monitoring

- Wetland monitoring
- Desertification – monitoring and assessment
- Hot-spots – defining, identification and monitoring
- Glaciers – mapping and monitoring
- Coastal Zone – monitoring and management Plans
- Training and capacity building in forestry and environment sector