

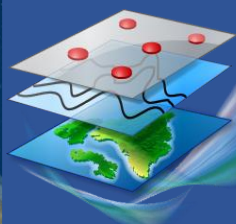
North Eastern Spatial Data Repository

Unified Data Platform for effective geospatial data sharing across NER

"Enabling data cataloguing, sharing, and retrieving in a decentralized mode. NESAC as a Regional Node hosts regional database including state data whereas respective State Node are responsible for state data generated by States or other Line Departments of NER"



Visualize | Access | Share | Download



Showcases numerous standardize datasets for representing important physical assets, infrastructure networks, land and water resources

Ready to explore, access or share

- ❖ Seamless spatial data catalogue covering North Eastern Region as per OGC standards
- ❖ Data visualization, query and accessible via web services
- ❖ Data updation by instantaneous crawling via different state nodes spread across NE states



Major Data Categories



Administrative & Base: 135+ Spatial datasets for administrative boundaries representing states, districts, blocks, villages, Census details



Infrastructure: 11+ Features detailed infrastructure maps for road and rail networks, bridges etc.



Land Resources: 225+ Huge datasets on land resources maps on different scales, period – such as Land Use / Land Cover, Wastelands, Soil Resource, Forest etc



Water Resources: 61+ Information on Ground Water Prospects Map, Wetlands, Surface Water Bodies, Drainage Networks, Watersheds etc



Terrain: 36+ Relevant terrain information of NER in the form of contours, slope, aspect, hillshade



Disaster Management: 32+ The repository also contains datasets specific to floods, forest fires, landslides



Weather: 18+ Rainfall, Temperature, Humidity and Wind direction etc.



Assets & Utilities: 30+ Location of important physical assets such as police stations, schools, tourist locations, health, polling stations etc

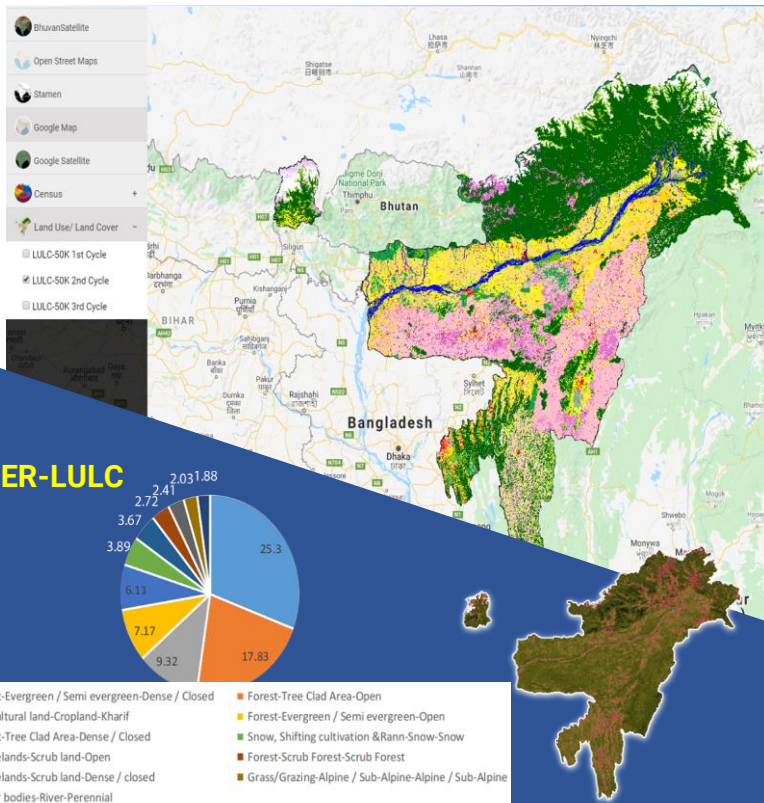


548+





Perfect platform for GeoAnalytics



Land Use Change Analysis
analyse the change in land use pattern in near real time

Vegetation Dynamics
Real time vegetation monitoring on time series data using different analytical tools

Census Analysis
Analytics on the demographics and population distribution with associated attributes

Weather Analytics
Web based weather data analytics based on NWP models and satellite observations

INFORMED DECISIONS

- ❖ Deforestation and land use change
- ❖ Planning and monitoring

Automatic extraction of data products from Satellite/UAV data Using AI techniques

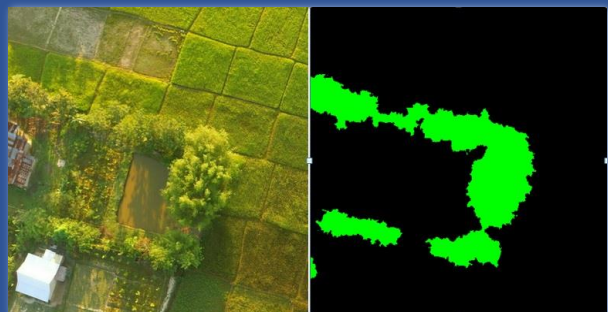
Waterbody Monitoring



Road Extraction



Tree Cover Extraction



Building Footprint Extraction

