

Sl. No	Name of the Projects
1	Soil Resource Atlas of India
2	SUFALAM Phase-II
3	Detailed Soil survey for scientific land use planning for Meghalaya
4	Assessment of Bamboo Resources in North Eastern Region using geospatial technology [PoA007]
5	Carbon Dynamics Assessment in Tropical Forests of Northeast India using Multi-Sensor Data
6	Monitoring of WDC-PMKSY 2.0 projects using Geospatial technologies
7	Satellite Integrated Landslide Assessment and Alert System (SILAAS)
8	Aerosol Radiative Forcing over India – NER component
9	Network of Boundary Layer Experiments – NER component
10	Studies on Dynamical, Electrical and Microphysical properties of thunderstorms over foothill and hilly region using comprehensive field observations
11	Forecasting of Severe storm and lightning over NER of India using combined mesoscale and storm-scale ensemble data assimilation: WRF-ETKF, WRFEAKF
12	Assimilation of satellite based soil moisture in a land data assimilation system for investigating the spatiotemporal behaviours of land-atmosphere interactions over India
13	High resolution regional climate projections and assessment of the impact of climate change on weather extremes over the NE region of India
14	Land resource inventory of Arunachal Pradesh in large scale for agricultural land use planning using geo-spatial techniques
15	Development of hyperspectral reflectance based spectral signature repository for important Agricultural Crops of Assam/PoA044
16	Space technology support for expansion of Muga sericulture in Assam/PoA045
17	Space-based land-use Intelligent System for Guwahati (SLIS-G)/PoA050
18	Development of potential fishery resources information system /PoA066
19	Generation of geospatial database for Tea, Coffee and Rubber growing areas, and Geodatabase Updation of major agri and horticultural crop growing areas in Nagaland/PoA081
20	Application of geo-spatial techniques for site specific Crop Planning in Nagaland
21	Updation and geospatial database creation of Rural Development Block (74 nos) in Nagaland
22	Vegetation study using UAV based Multispectral Sensors [PoA092]
23	Generation and updation of Geospatial database of aquaculture [PoA084]
24	Applications of geospatial technology for in-situ conservation of Muga Silkworm in West Jaintia Hills district, Meghalaya (PoA069)
25	Applications of Space Techniques for Agricultural Assessment in NER (ASAAN)/PoA001
26	Space-based support for the Integrated Development of Horticulture in NER (SSDIH)
27	Application of RS&GIS for sericulture Development P-III(PoA)

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28	Mapping of Agar cultivation areas and also site suitability analysis for expansion of Agar Plantation in Tripura
29	Wetland mapping using very high-resolution satellite data both pre and post monsoon to delineate wetland extent up to 0.1 acre as well as water quality analysis [PoA053]
30	Identification and mapping of encroached and degraded forest area (PoA064)
31	Study of Temporal dynamics of Loktak Lake (PoA-067)
32	Identification and zoning of vegetation strata – bee flora zone in Nagaland [PoA083]
33	Mapping and monitoring of forest cover dynamics and human-wildlife conflict using RS & GIS (PoA096)
34	Total forest Carbon stock in Selected RF's of Meghalaya
35	Survey, demarcation and geo-referencing of forest boundary using DGPS/ ETS notified forests of Meghalaya forest divisions
36	Flood Early Warning Systems for NER (Other than Assam & Manipur)
37	River Atlas NER
38	Flood Risk Map of Assam
39	Space based inputs for conservation of Loktak lake
40	Mapping Of Water Bodies Like Small Multi-purpose Reservoirs, Ponds, Jalkunds Etc And Mapping Of Potential Areas For Creation Of New Rain Water Harvesting Bodies/Water Bodies In Meghalaya
41	Early Warning System for two glacial lakes in Sikkim
42	Monitoring of Embankment structures in Urban Local Bodies (ULB) of Tripura
43	Preparation of aquifer map of Tripura after resurvey
44	Landslide Hazard zonation of five districts of Arunachal Pradesh
45	Land Information System for the State of Manipur at 1:10,000 scale (PoA068)
46	Mineral mining database for the state of Meghalaya using space technology (PoA076)
47	Preparation of Hydro-Geomorphological (HGM) Map at 10K scale for ground water prospecting in NER using Space Technology & limited ground survey
48	Preparation of Hydro-Geomorphological (HGM) Map at 10K scale for ground water prospecting in NER using Space Technology with limited ground survey Arunachal Pradesh, Manipur, Tripura
49	Preparation of Hydro-Geomorphological (HGM) Map at 10K scale for ground water prospecting in NER using Space Technology with limited ground survey (PoA003) Arunachal Pradesh, Manipur, Tripura
50	GIS based Health Information and Management System (HIMS)
51	Capacity building on utility of Geo-spatial data and available data on NeSDR portal (Arunachal Pradesh)
52	Development of GIS based cadastral information system for Arunachal Pradesh
53	Mapping location of Police Stations/ outposts, jurisdiction and their connectivity
54	3D Printing, Visualization & Artificial Intelligence

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55	Training & Capacity Building, Awareness and Data Dissemination on space based technology (Nagaland)
56	Development of Geotagging and Monitoring Application for geotagging & monitoring of the projects of Tripura
57	Accessibility analysis of educational institutes in Arunachal Pradesh
58	Web Based Livestock Information Management System (WBLIMS)
59	Upgradation & Expansion of Tele-Education for the State of Tripura
60	Rural development Action Plan (Sarli-Sate & Damin - Huri)
61	Hazards Risk and Vilnerability Assessment (HRVA)-Tripura
62	Development of location based lightning nowcasting system for NE region of India PoA
63	Development of RS-based methodology for acreage, production estimation and identification of sites for positioning new post harvest infrastructure for pineapple in hilly cropping system (T2310)
64	Simulation and prediction of rice yield through remote sensing based models in hilly terrain of NE India (T2311)
65	Mapping of elephant habitat quality and identification of corridors North Eastern Region
66	Estimation and mapping of above ground biomass in selected forest types in different altitude zones of North East India
67	Study of the Lithosphere-Atmosphere-Ionosphere Coupling (LAIC) Mechanism through Space and Ground-based Observations (Barapani shear zone)
68	EO Based Mineral Resource Mapping in Sung Valley Complex, Meghalaya, India (T2302)
69	Development of models for Thunderstorm prediction using INSAT-3D satellite imageries
70	Development of a machine learning driven snowmelt estimation model
71	Development of Computer Vision Based Methodology for Simulating 3D Cloud Structure over NER to Explore Cloud Evolution Using WRF Data and Satellite Imagery
72	Developing a Cloud Computing Platform for Processing and Analysis of Earth Observation Data
73	Development of deep learning based image synthesis system for cloud removal and semantic change detection using remotely sensed data
74	ZigBee (IEE 802.15.4) based Wireless Sensor network for various data collection and field data transmission
75	A comprehensive study of electric propulsion system(motor-propeller) for small category (<25kgs) Unmanned Aerial Vehicles (UAVs)
76	Climate change studies over NER Region of India and adjacent region
77	Estimations of electrified clouds using satellite and lightning data
78	Generation of an Accurate Long-term Satellite Rainfall Product over North East India using a Non-Stationary Merging Algorithm