

# Dashboard / Web-portals for Governance



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# Relevance of WebGIS

- ❖ Strengthening the geospatial data delivery & hosting services.
- ❖ Enhanced data discovery & sharing.
- ❖ Empowering planning & monitoring.
- ❖ Effective gap analysis, enabling transparency.



Decision Support



Smart Dashboards



Big Data

Cloud Computing

Technologies Deployed



Drone Data

IoT Sensors

API Integrations

Crowd Sourcing

Data Ready Platform

A screenshot of the NeSDR website (https://www.nesdr.gov.in). The header features the NeSDR logo and links for Log In and Register. Below the header, a banner reads "DIGITAL TRANSFORMATION – MAXIMIZING THE USAGE OF GEOSPATIAL DATA & SERVICES" and "Facilitates Users To Visualize, Retrieve, Geo-process And Publish Data". The main content area is divided into several sections:

- Governance Application:** Includes a "Dashboard Governance Application" section with images of maps and buildings, and a "State Node Geoportals" section featuring a map of India with state outlines and a button to "Visit State Portal".
- Repository Domains:** Shows a total of 361 datasets across categories like Land Resource (146 datasets) and Disaster Management (10 datasets).
- Other Geoportals:** Lists links to various government geoportals including Bhuvan, data.gov.in, MOSDAC, and VEDAS.

The footer contains links for Website Policies, Help, Contact Us, Feedback, FAQs, and Terms & Conditions.

# Popular Geoportals

- Bhuvan: [www.bhuvan.nrsc.gov.in](http://www.bhuvan.nrsc.gov.in)
- NEDRP: [www.nedrp.gov.in](http://www.nedrp.gov.in)
- NDEM: [www.ndem.nrsc.gov.in](http://www.ndem.nrsc.gov.in)
- NERDRR: [www.nerdrri.gov.in](http://www.nerdrri.gov.in)
- MOSDAC: [www.mosdac.gov.in](http://www.mosdac.gov.in)
- VEDAS: [www.vedas.sac.isro.gov.in](http://www.vedas.sac.isro.gov.in)
- India WRIS: [www.india-wris.nrsc.gov.in](http://www.india-wris.nrsc.gov.in)
- NCOG: [www.ncog.gov.in](http://www.ncog.gov.in)

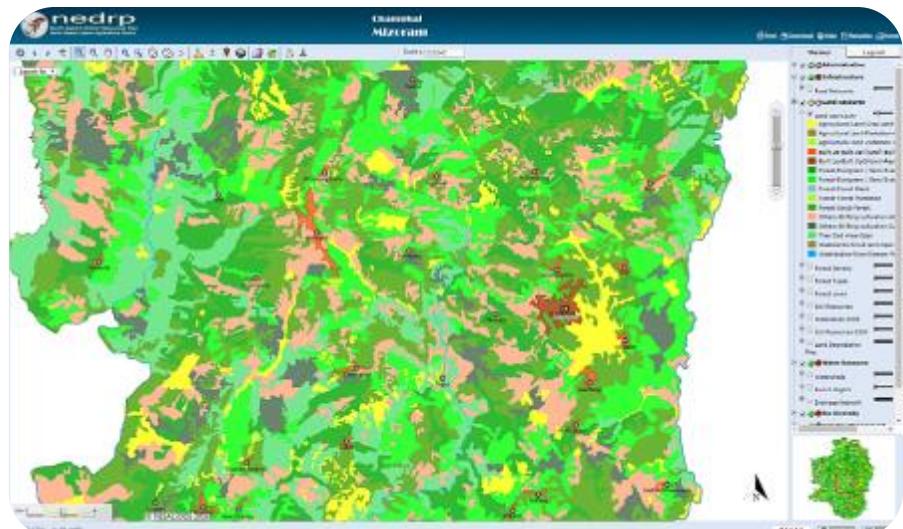


M O S D A C

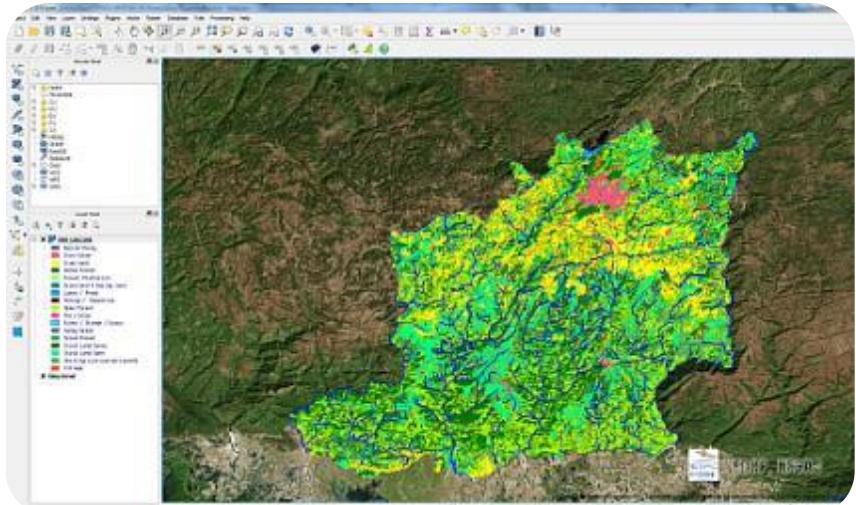


# 3 ways to Access to Geo-Web Services

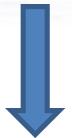
- Portal – Visualize, Analyze, Extract info



- Access data as service - MAPS as a service. Viz WMS, WMTS, WFS etc



- Download GIS Datasets - via Data Sharing Gateway.  
<http://data.nedrp.gov.in> NRSC EO Data services

A screenshot of a login page for the nedrp (North Eastern Digital Resource Plan) Data Sharing Gateway. The page has a "LOG IN HERE" header. It features three input fields for "Username", "Password", and "Enter text", followed by a CAPTCHA field with the text "Xasavik". Below the CAPTCHA are "Login" and "Reset" buttons. At the bottom of the page, there is a link to an "Agreement document" and a note that says "Does not have an account yet???" with a "Register online" link. There is also a "Forgot Password" link and a "Project Monitoring Application(Click)" link at the very bottom.

# WebGIS DMSP Applications



- Sector Specific Data
- Visualization Portals
- Report Generation
- Processing on cloud

## GeoPortals

NEDRP  
NDEM  
VEDAS  
BHUVAN

- Multidimensional data query
- User Specific dashboards
- Simple easy to use

## Dashboard

Forest Fire Dashboard  
FLEWS  
CRIME GIS

- Alert dissemination
- Forecasted data visualization
- Live data visualization

## Live

Forest fire alerts  
Flood alerts  
Integrated Weather Dashboard

- Geo-tagging
- Field survey
- Machine learning apps

## Mobile Apps

- Feature/Object Identification
- Prediction
- Geospatial Big Data Analysis

## Geo AI

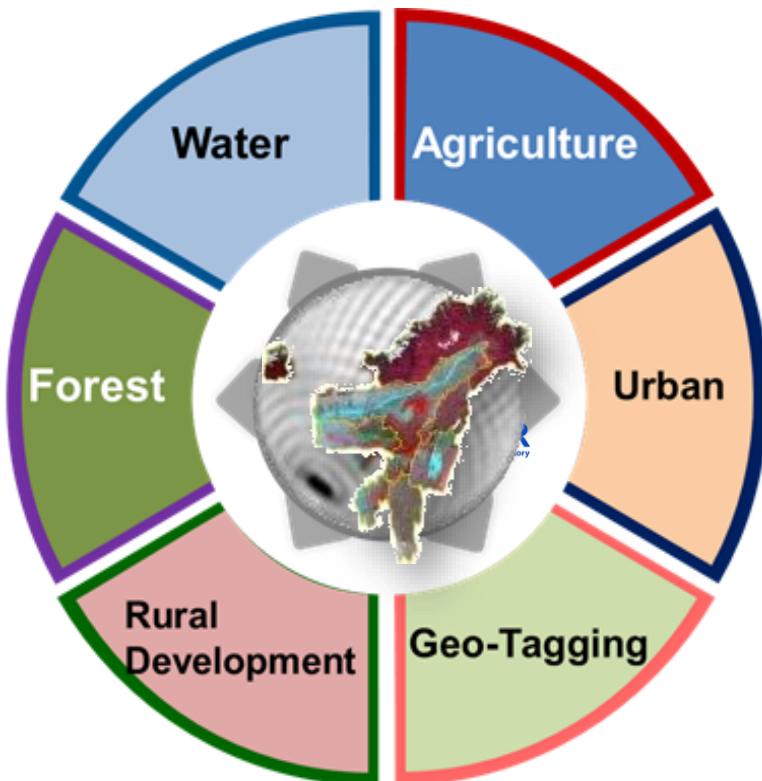
Mining areas monitoring  
Object detecting mobile apps

- 3 D Visualization
- 3D Queries
- Terrain Profiles

## 3D

# Impact

## Major Application Sectors



**Successful establishment of RS & GIS Resource network Infrastructure**  
All 8 states of NER

**Maximizes Usage of Geospatial data and reduce data duplicity**

Single window data sharing gateway  
2800+ geospatial data downloads by various users  
25 Departments

**Towards Effective and Ease of Governance**

25 e-Governance Dashboards and 20 Apps developed and operationalized

**Facilitates research in geospatial domain for academia and scientific community in the region:**

A platform for big data analytics on 8000+ satellite imagery  
Visualize and analyse time series satellite images  
Understand vegetation & weather dynamics

101 Flood early warnings issued

50000+ Forest fire incidents reported

62500+ Lightning alerts issued

# **Few initiatives that made a difference**

# NeSDR Impacts on eGovernance

## • NeSDR Database Towards Effective and Ease of Governance

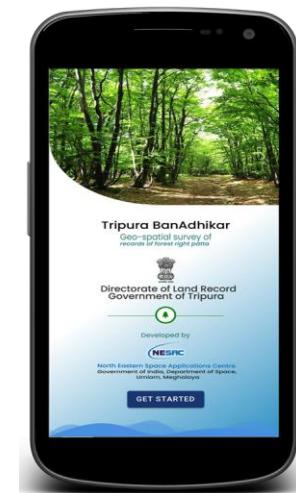
25 e-Governance Dashboards and Apps developed and operationalized

### NEC Project Monitoring

- For ease of project monitoring across NER states using space based technologies
- Geo-monitoring of 1664 project sites
- Released by Hon'ble President of India, 4<sup>th</sup> May 2022

The screenshot shows the 'PROJECT MONITORING PORTAL' interface. At the top, there are navigation links: HOME, PROJECT LOCATIONS, DICTOR, LATEST EVENTS, PAGES, and FEEDBACK. Below the header, a banner reads 'Spatial Search and Multi Querying Filtering Mechanism' and 'Smart Searching over the Maps | Multiple Query in Spatial Domain'. The main area features a map with red and blue overlays. Below the map are four summary boxes: '588 Total Projects', '1664 Project Sites', '93 % Geotagged', and '10 States Covered'. Underneath these boxes are portraits of three officials: Shri Narendra Modi, Honorable Prime Minister; Shri G. Kishan Reddy, Honorable Cabinet Minister; and Shri B. L. Venkayya, Honorable Minister of State.

Project monitoring dashboard

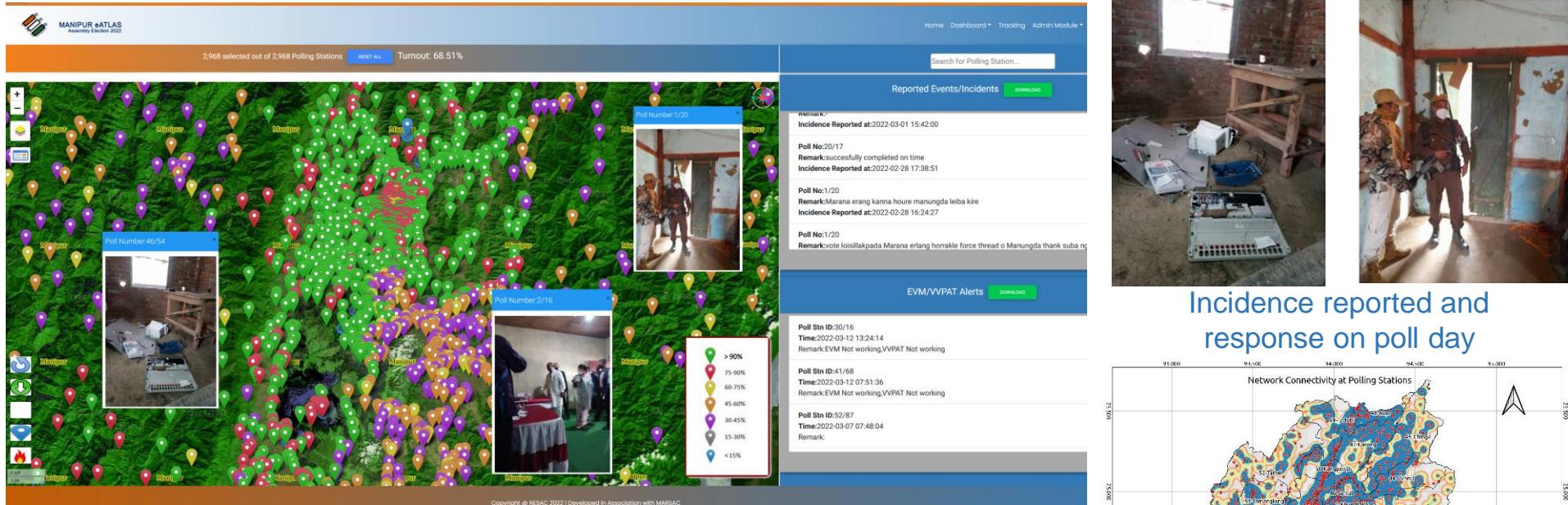


Tripura  
BanAdhikar app

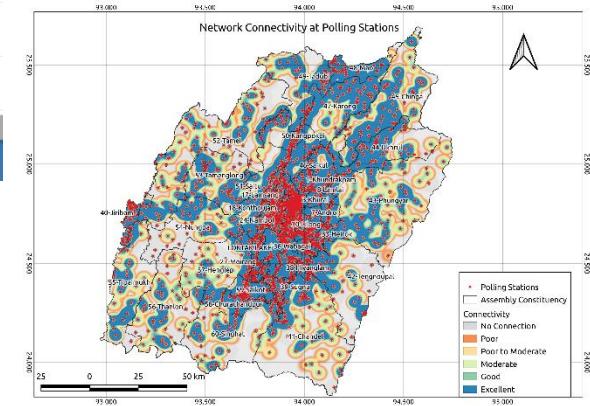
### Tripura BanAdhikar App

- 1,30,000 patta holder beneficiaries
- Geo-Spatial Survey of Forest Patta Land
- App with geo-tagging and survey capabilities with GAGAN/NavIC technologies.
- Released by Hon'ble Union Minister of Rural Development & Panchayati Raj, 3<sup>rd</sup> Dec 2021

# Impacts on Electoral Process



Incidence reported and response on poll day



- Election e-Atlas was effectively utilized in Manipur assembly elections (2020 & 2022) for monitoring and mapping poll activities
- Vital inputs such as shadow area of mobile tower coverage were also shared to the CEO office.
- 3000+ officials were tracked using this platform.

**~2 Lakhs hits/hr on the day election**

[www.nesdr.gov.in](http://www.nesdr.gov.in)

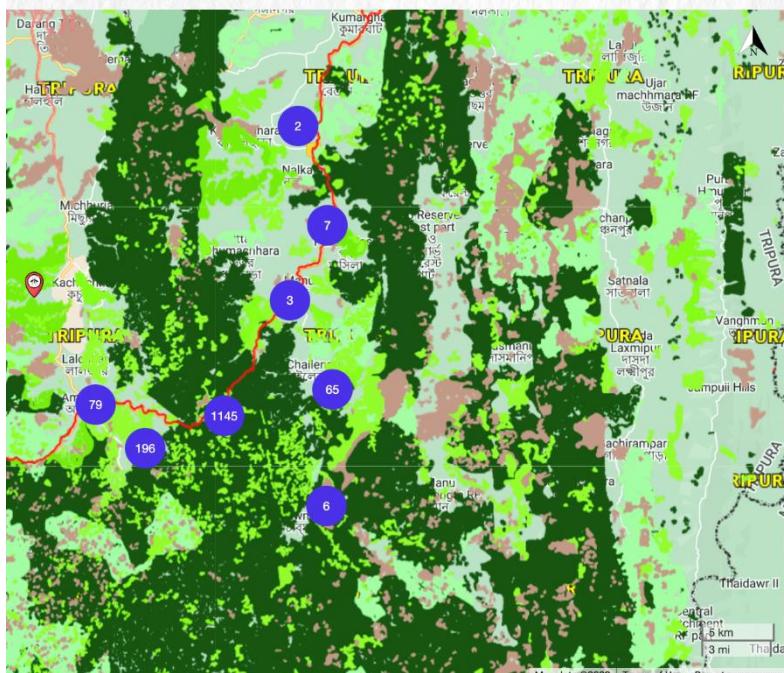
# Impacts in Health Sector

User: ICMR, Dibrugarh



Fever tracker mobile app and dashboard

- Identification of hotspots of malaria incidence
- 6000+ cases have been tested and reported
- Multi lingual mobile app (English, Kokborok & Bengali)
- Fever tracker app received copyright.

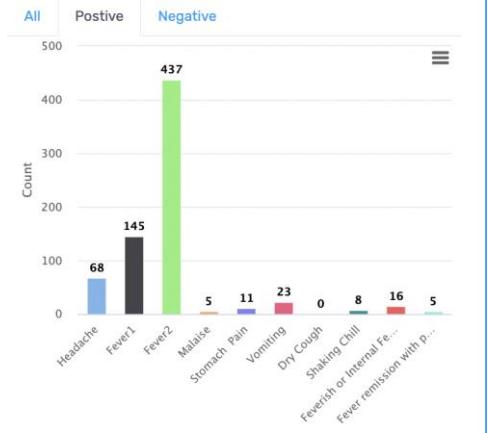


Beneficiary supplied with mosquito nets



Stats

Types of malaria symptoms

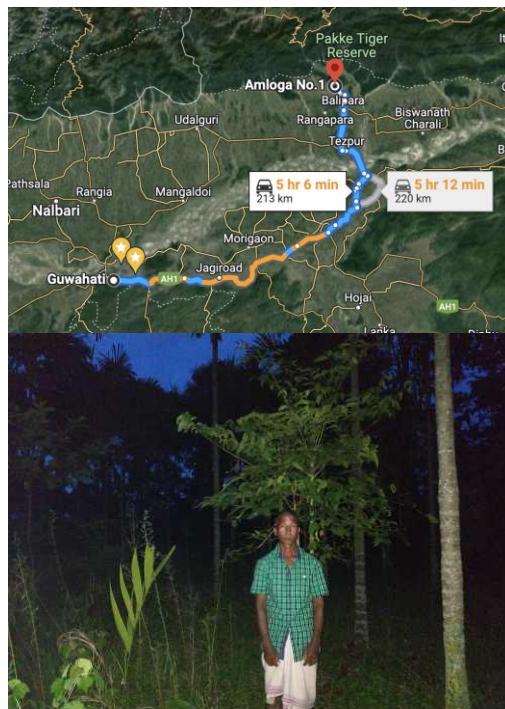


# Impacts in agriculture

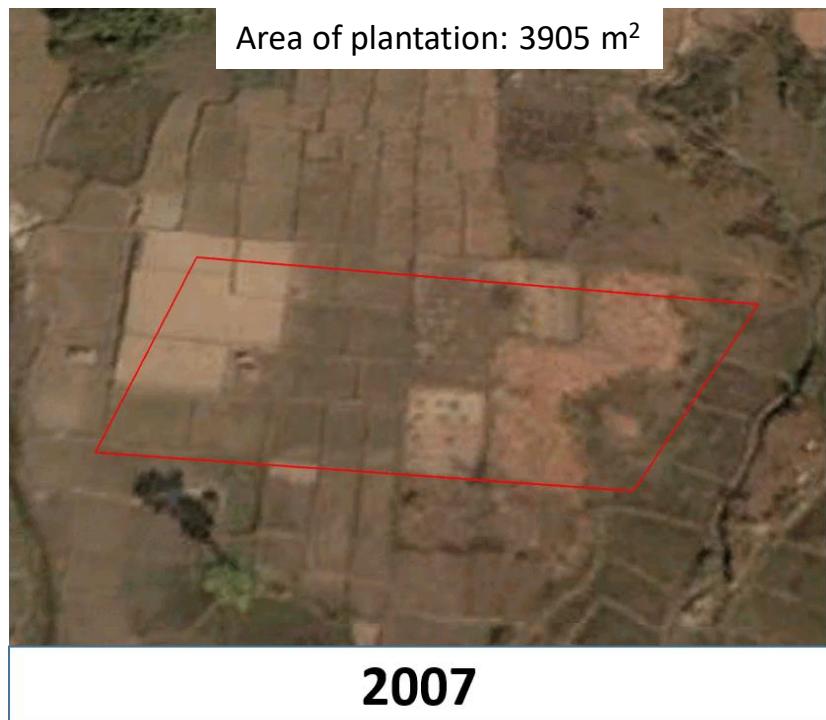
- 39,674 sericulture assets geotagged.
- Plantation area measurement via GAGAN dongle enabled high precision mobile app.
- Dashboard for monitoring of plantation using time series satellite images.



SILKS Geotagging app



Beneficiary farmer



# NeSDR Analytics



## Land Use Change Analysis

Analyze the change in land use pattern in near real-time



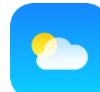
## Vegetation Dynamics

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

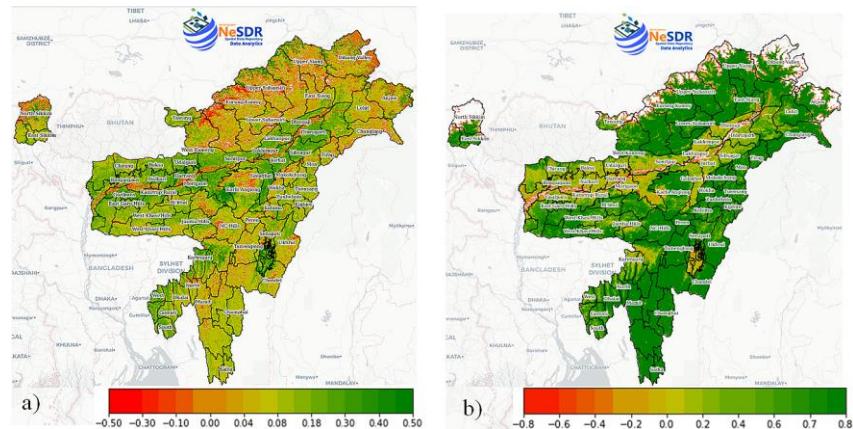


## Water Resources Management

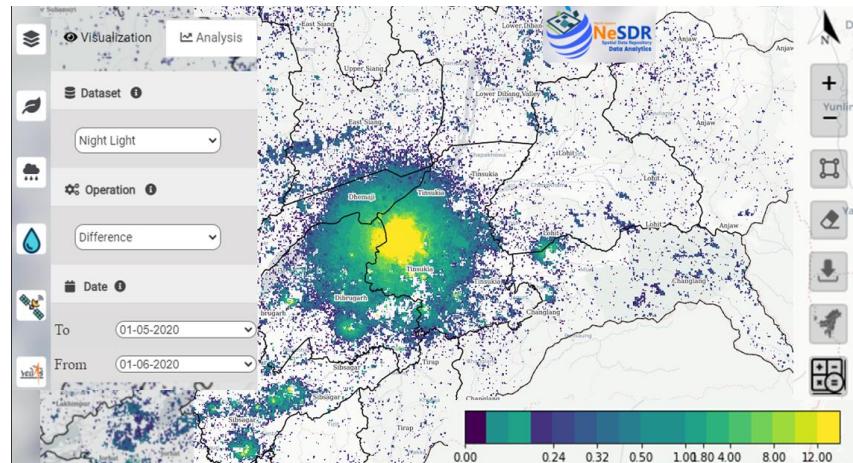
Analytics on water resources information derived from satellite



[www.nesdr.gov.in](http://www.nesdr.gov.in)



Vegetation analysis at regional scale



Visualization of Baghjan oil well fire (May 2020)

# Monitoring of infrastructure using Satellite image and UAVs

- ❖ High resolution time-series satellite images for monitoring infrastructure.
- ❖ High Resolution Aerial 2D/3D View of Large Construction area : Measure size and shape of structure – Track progress on each sections of construction area
- ❖ 3D Visualization of Structure



Monitoring of ISBT construction using UAV data



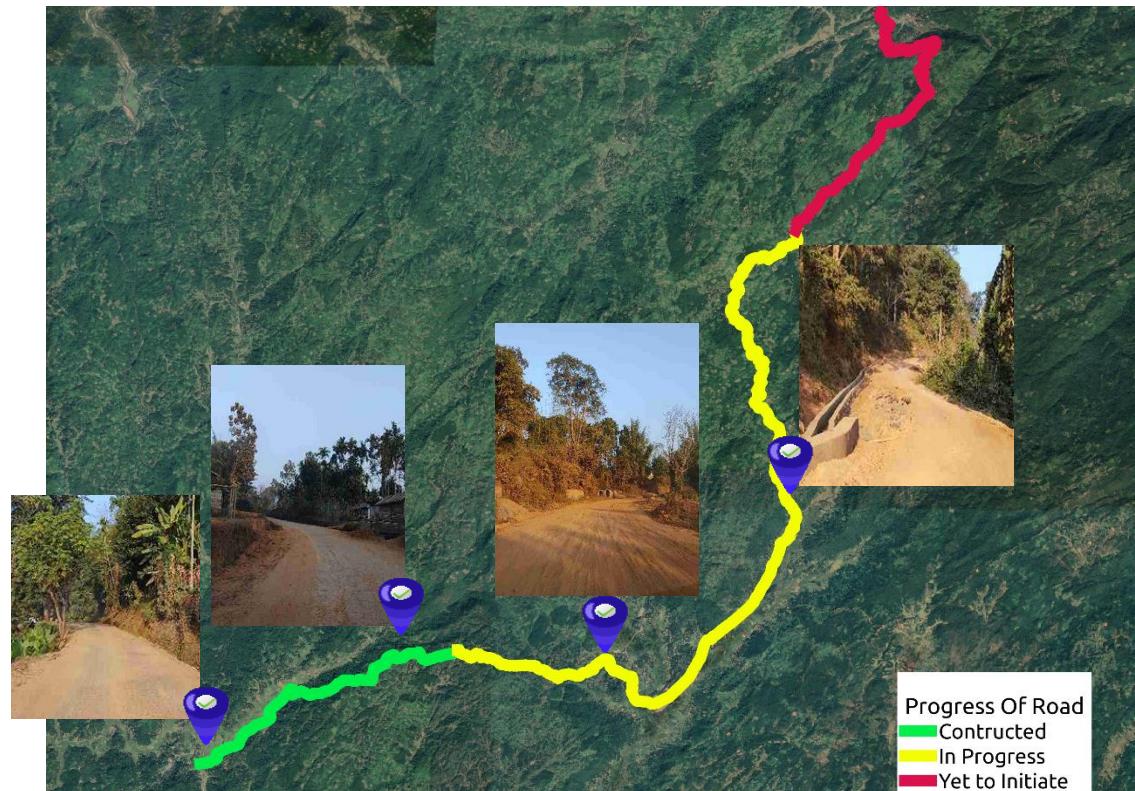
Monitoring of bridge construction using satellite images

# Monitoring of infrastructure using AI

- Road project monitoring based on mobile apps and time series satellite images
- AI and machine learning based monitoring of progress
- Monitoring of Roads for pothole detection based on AI models deployed on IoT devices



Road monitoring using IoT video feeds



Road construction monitoring

# ISRO Bhuvan Dashboard



National Remote Sensing Centre  
NRSC | Search | Bhuvan Store | Bhuvan Collaborators

**Spatial Data Visualization and Data Download**

Bhuvan 2D    Bhuvan 3D    Open Data Archive Free Download    Climate & Environment EO derived Products

Thematic Services    Disaster Services    Ocean Services    Create a Map / GIS & Share Maps

**Maps and OGC Data Services**

School Bhuvan    Toll Information    Ground Water    Pipeline Grid    Watersheds    Urban Survey    Postal

**eGovernance Applications**

Application Sectors: Agriculture, Forestry, E-Governance, Water, Tourism, Urban, Rural, Urban, Urban Information System, Municipal GIS, Urban Growth

**Collaborative Applications**

Decision Support Dashboard, Hydrological Products, Image Gallery, International Disasters, Locate Satellites, MANI, Multilingual Translation, On Demand EO Services, Online, Suvidha, Ship Tracking

**Special Applications**

http://bhuvan.nrsc.gov.in/

**State Portals/ Applications (Click on any State)**

**State Portals**

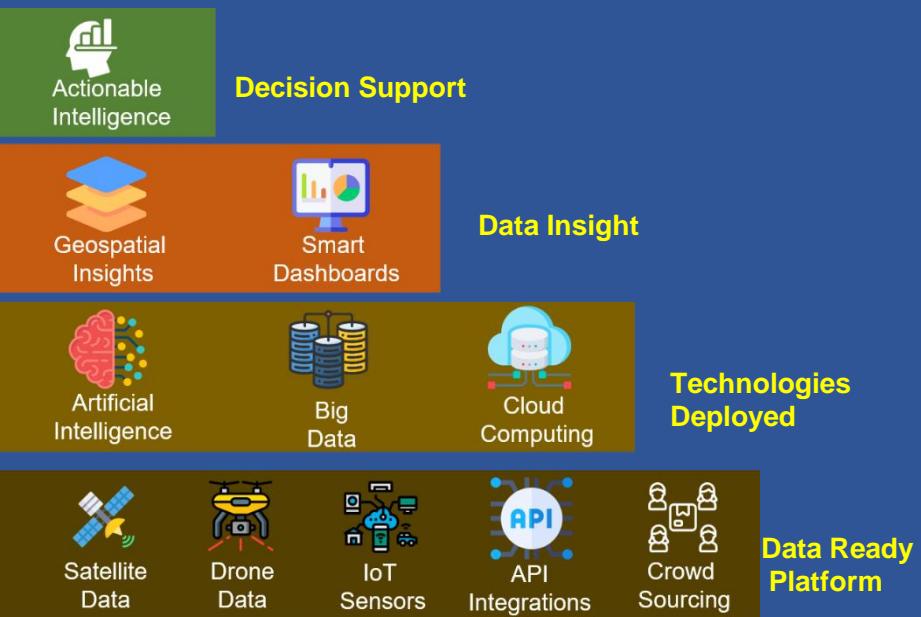
Andhra Pradesh Asset Mapping Visit Applications available for State ANDHRA PRADESH

Updates    Download

- Ground Trace of Camsat 2S(F) and Microsat (15/01/2010) New
- Geotagging of Assets crosses 2 Crores in MGNREGA
- Geotagging of Anganwadi Assets
- Baseline Studies on Water Use Efficiency of Irrigation projects
- Bhuvan Satellite Data as OGC Web Services
- g-Governance Dashboard

<http://bhuvan.nrsc.gov.in/>

- ❖ Enhanced data discovery & sharing.
- ❖ Empowering planning & monitoring.
- ❖ Strengthening the data delivery & hosting services.
- ❖ Effective gap analysis, enabling transparency.

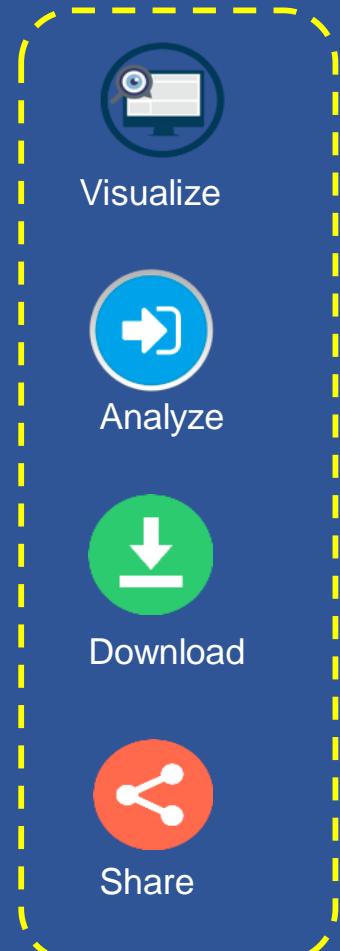
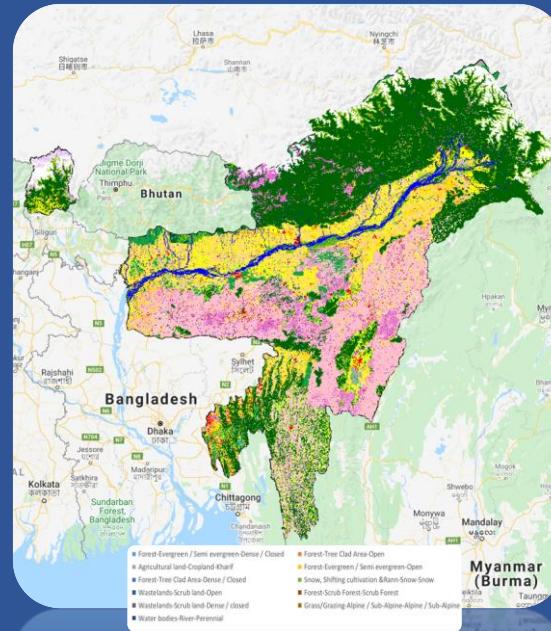



The screenshot shows the official website (<https://www.nesdr.gov.in>) with the following features:

- Header:** NeSDR logo, Log In, Register, and NESAC ISO 9001:2015 certification.
- Hero Section:** A large map of the Northeast region with the text "DIGITAL TRANSFORMATION – MAXIMIZING THE USAGE OF GEOSPATIAL DATA & SERVICES" and "Facilitates Users To Visualize, Retrieve, Geo-process And Publish Data".
- Governance Application:** Dashboard Governance Application featuring sections for NEDRP, BTC, NEC, and NCHAC.
- State Node Geoports:** State Portals/Applications for various states like Arunachal Pradesh, Assam, Nagaland, Manipur, Tripura, etc.
- Repository Domains:** Total No. of Datasets: 361, categorized by Land Resource (146) and Disaster Management (10).
- Other Geoports:** Links to various government portals like BHARAT, data.gov.in, MOSDAC, and VEDAS.
- Footer:** Website Policies, Help, Contact Us, Feedback, FAQs, Terms & Conditions.



- **Single window data repository**
  - Data discovery, visualization & analytics and data sharing on demand.
  - Regional level data by at NeSDR & State level data at SDR
  - Integration of metadata & other legacy datasets
- **Develop Indigenous Architecture**
  - For Artificial Intelligence (AI/ML/DL)
  - Computer vision enabled IoT devices
  - On-the-fly data processing
- **Development of Hosting platform**
  - Development of Geoportal for NeSDR/SDR
  - Data cataloguing & sharing
  - SDSS for different applications (NR & WR, DMS, Infra.)
- **Outreach activities for more effective use of Space applications**



- ❖ Developed using open-source tools and technologies.
- ❖ High performance in handling geospatial big data.
- ❖ Scalable and open architecture for easy API integration.





**Administrative & Base:** 283+ Spatial datasets for administrative boundaries representing states, districts, blocks, villages, Census details



**Infrastructure:** 19+ Features detailed infrastructure maps for road and rail networks, bridges etc.



**Land Resources:** 532+ Huge datasets on land resources maps on different scales, period – such as Land Use / Land Cover, Wastelands, Soil Resource, Forest etc



**1252+ Geospatial Layers** for effective planning and management of North East India



**Satellite imageries** at multiple resolutions spanning over two decades of time stamps



**Water Resources:** 93+ Information on Ground Water Prospects Map, Wetlands, Surface Water Bodies, Drainage Networks, Watersheds etc



**Terrain:** 18+ Relevant terrain information of NER in the form of contours, slope, aspect, hillshade



**Disaster Management:** 61+ The repository also contains datasets specific to floods, forest fires, landslides



**Weather:** 188+ Rainfall, Temperature, Humidity and Wind direction etc.



**Assets & Utilities:** 58+ Location of important physical assets such as police stations, schools, tourist locations, health, polling stations etc

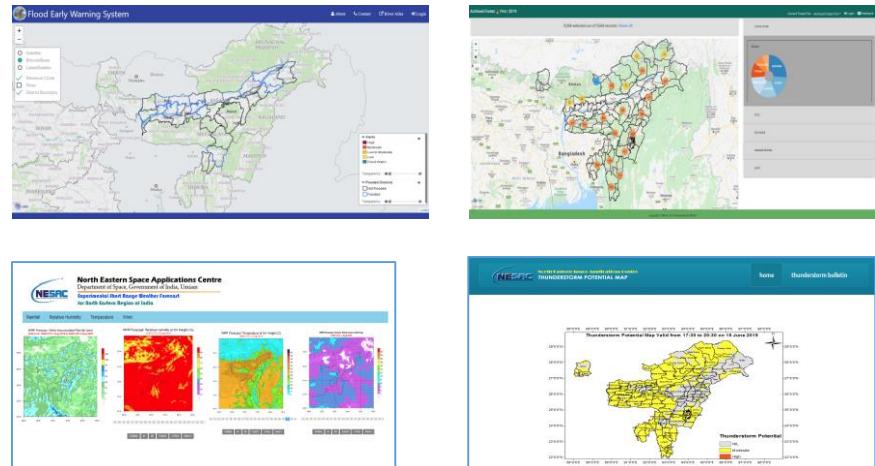


# Applications for DMS

<https://www.nerdrr.gov.in/>



Domain specific Decision Support System



## Major Decision support tools~

1. Earthquake dashboard
2. COVID-19 Dashboard
3. Forest fire dashboard
4. Integrated alert system for ASDMA



# Alert Dissemination System for ASDMA, Assam Govt.

→ **Integrated WebGIS Platform for Dissemination of Real-Time Early Warnings/Alerts and Enabling Analytics in Spatial Domain for Monitoring and Management of Disaster Events**



## Mobile Application

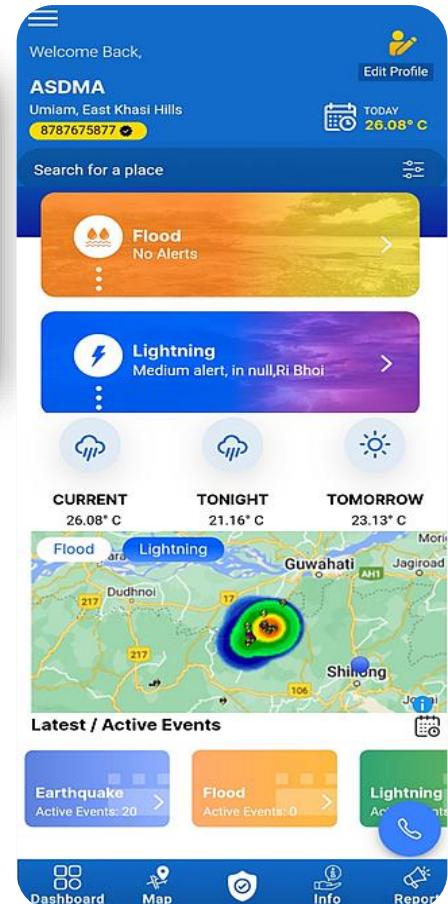
GIS Map & Tabular Data, Weather forecast, Real Time Alert dissemination, Navigation, Reporting, SoS

## Web Application

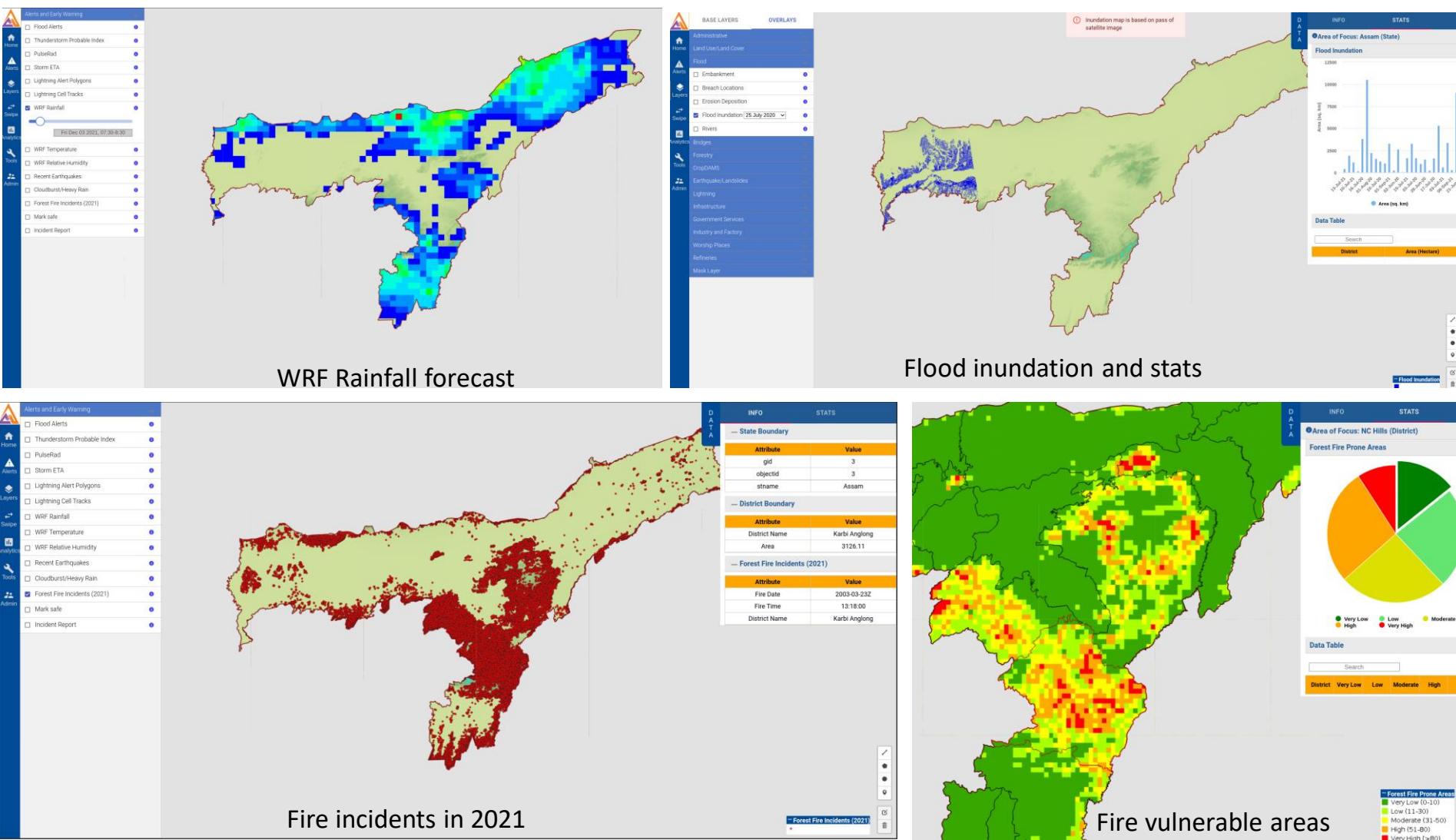
Warnings / Alerts, Interactive Dashboard, Real time web analytics

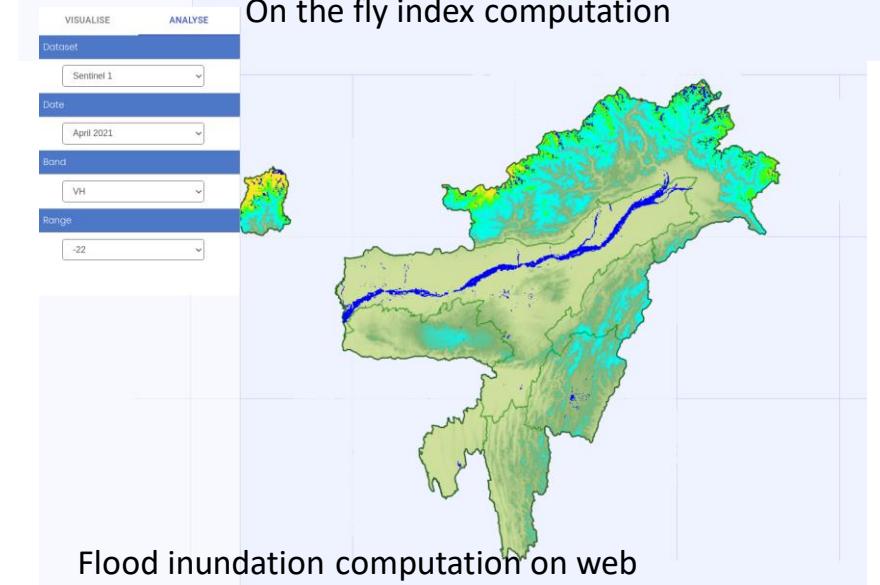
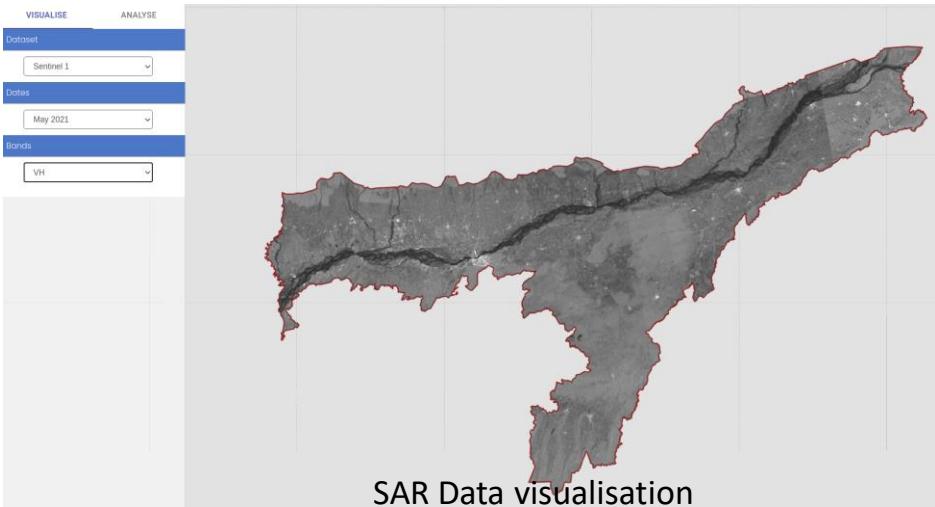
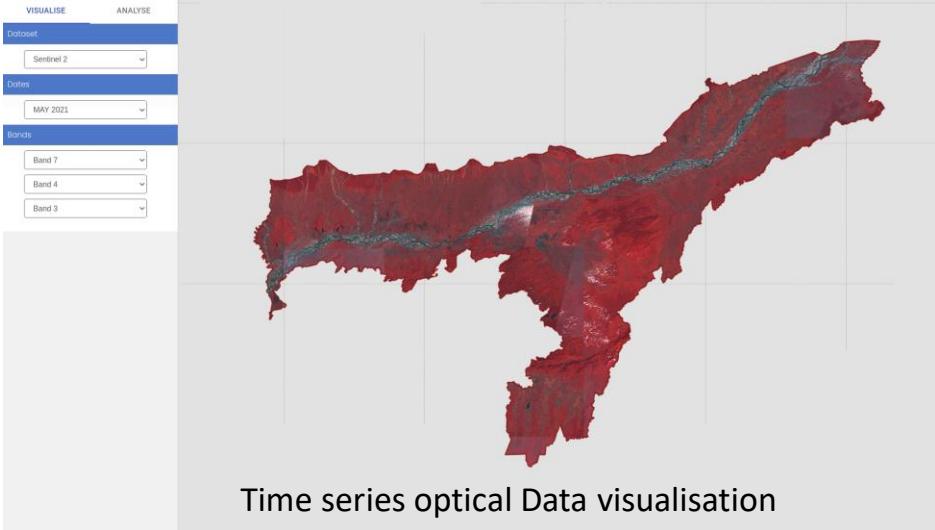
## Alerts

SMS Warnings / Alerts, Call Alerts

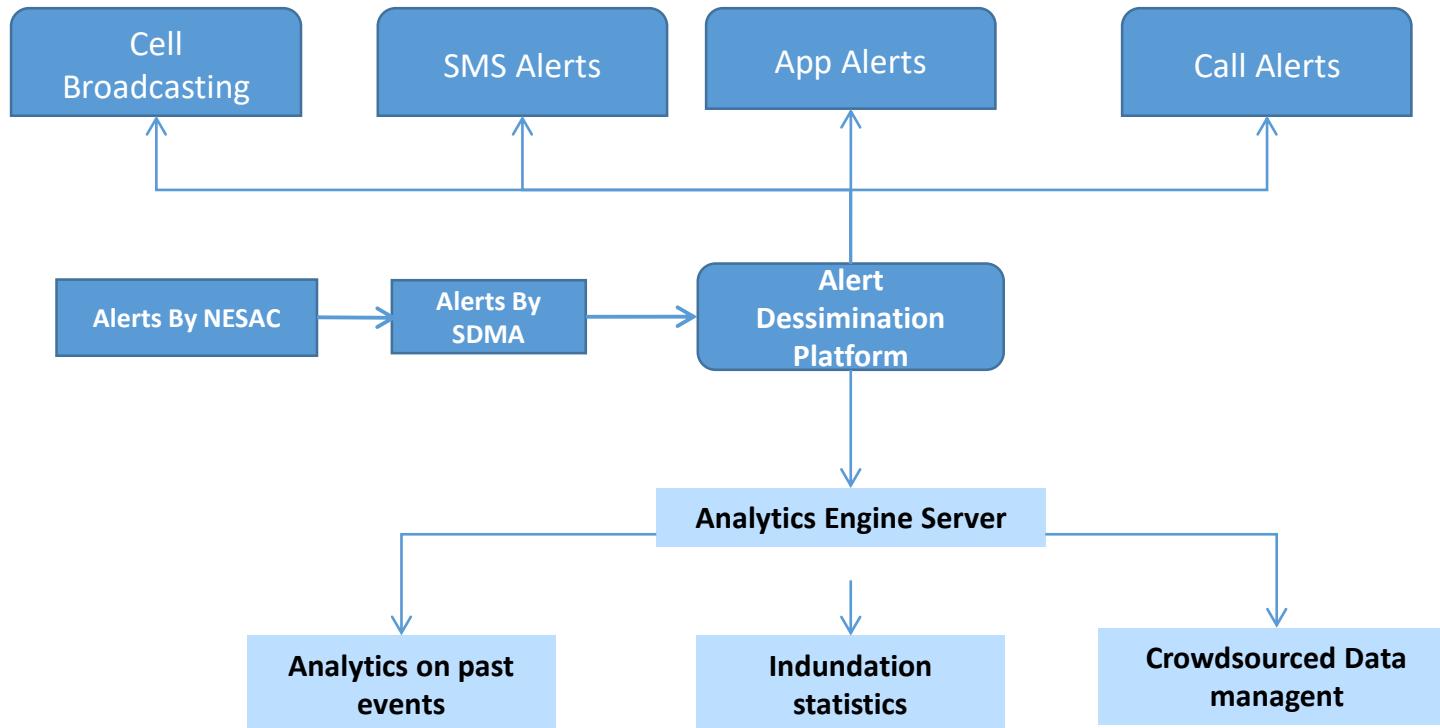


**ASDMA Alert Dissemination Platform**

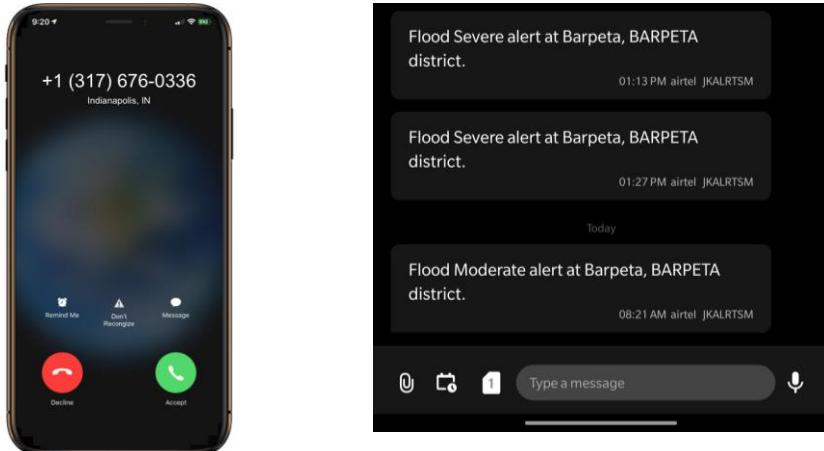
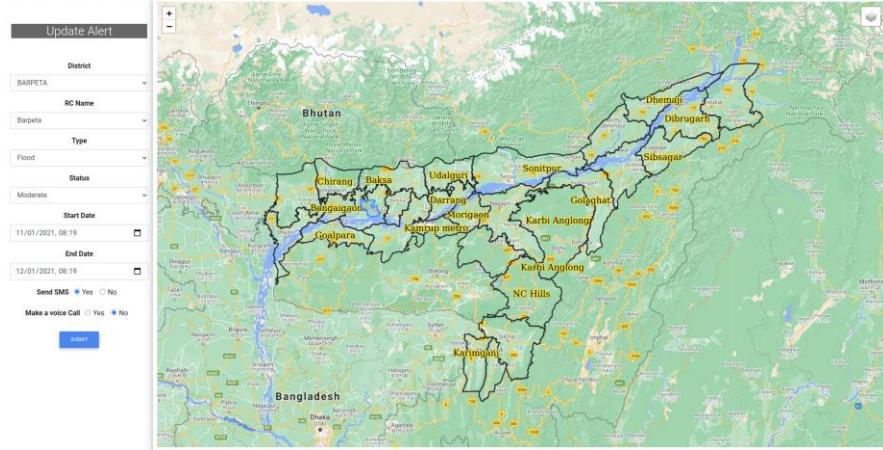




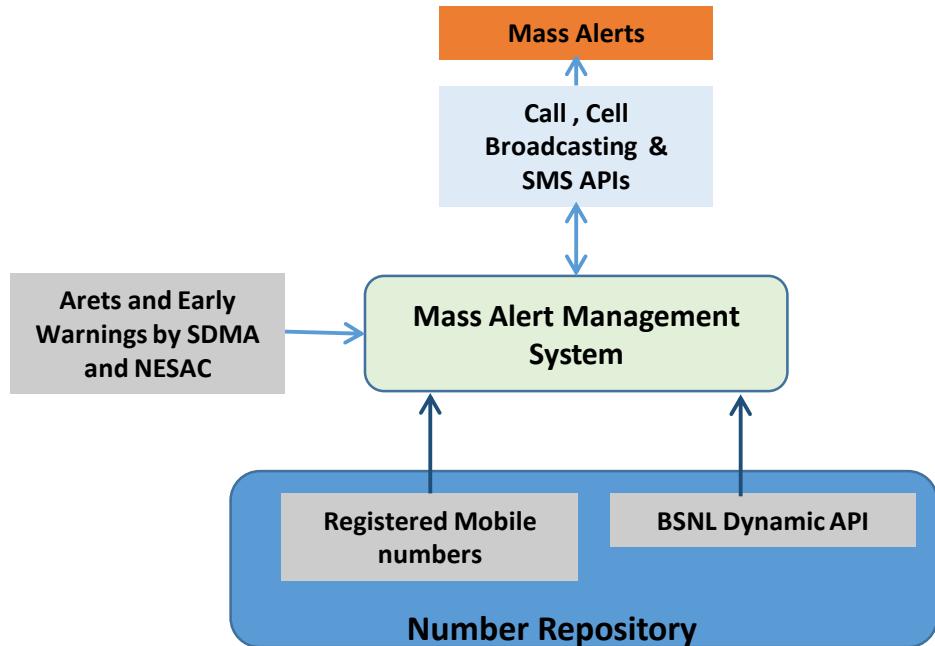
# Workflow



# Dissemination of alerts and warnings

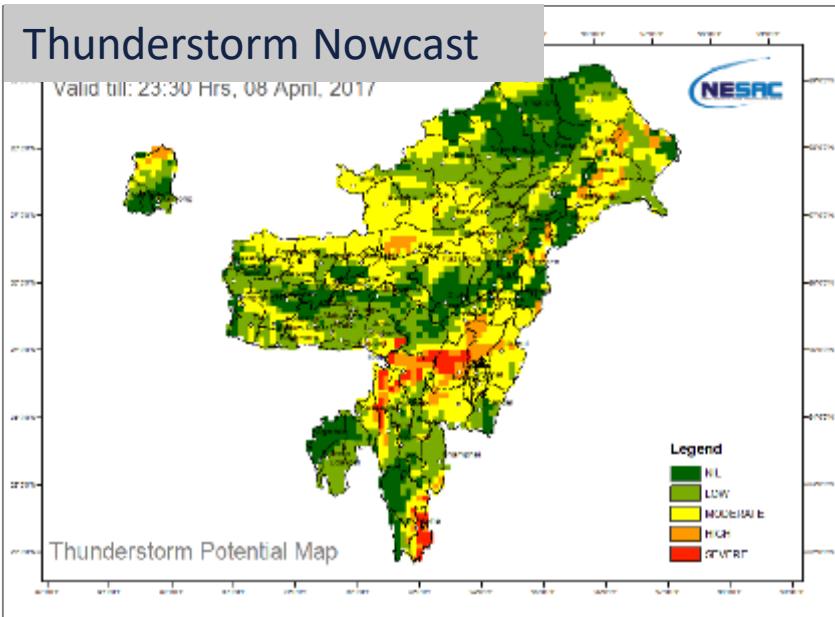


Alert Dissemination architecture

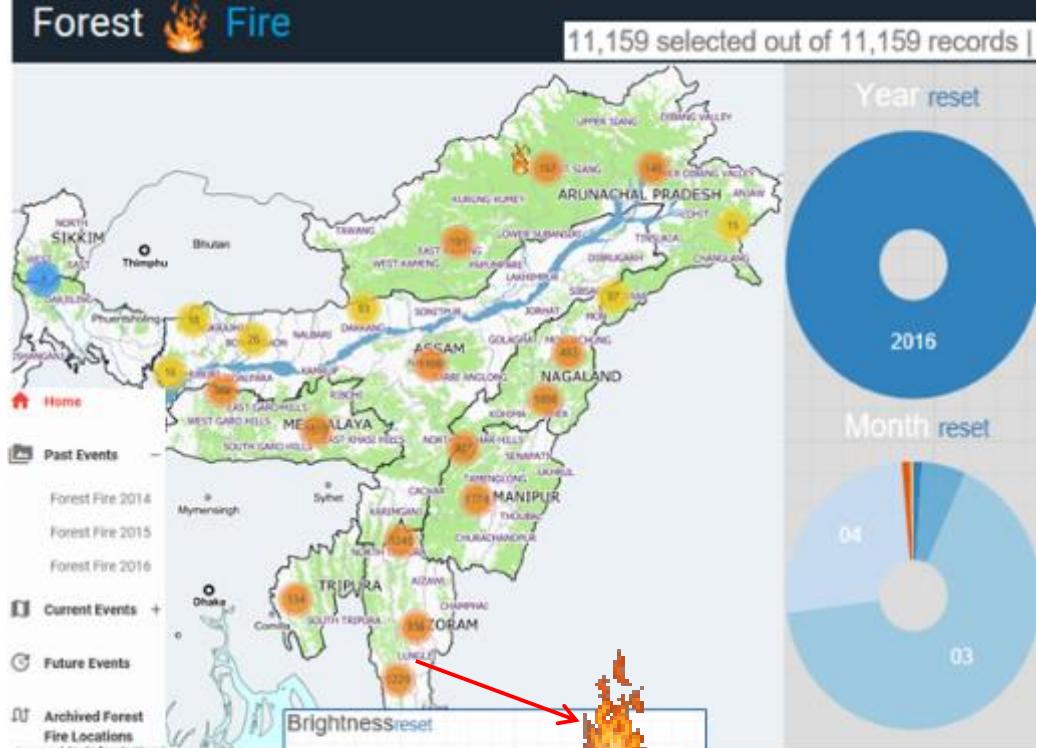


# Disaster Management Support Services

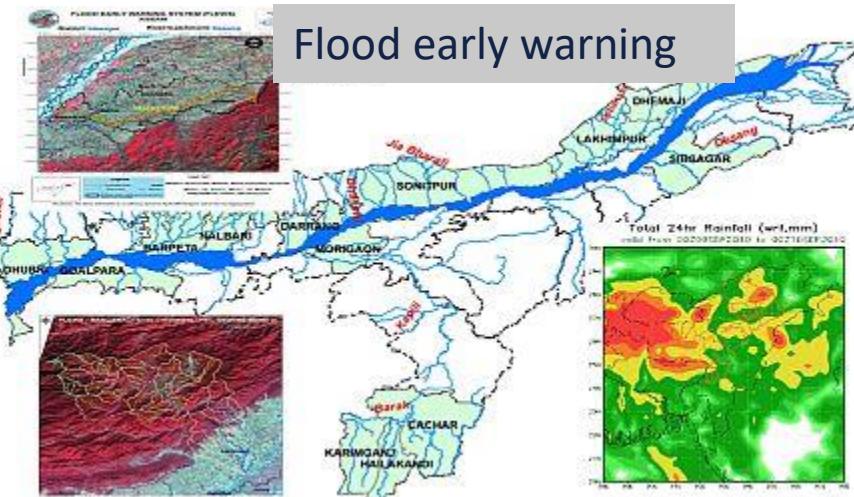
## Thunderstorm Nowcast



## Forest 🔥 Fire



## Flood early warning



Forest fire alerts with value added info. are sent to Forest Departments on operational basis

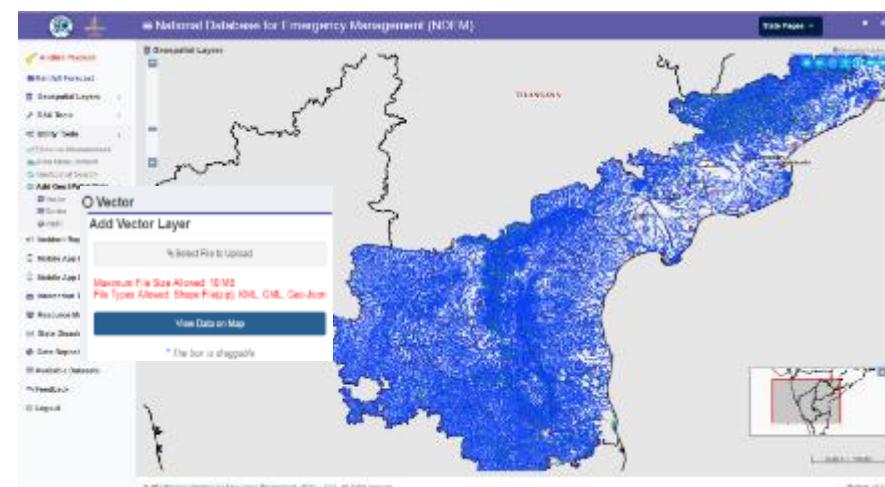
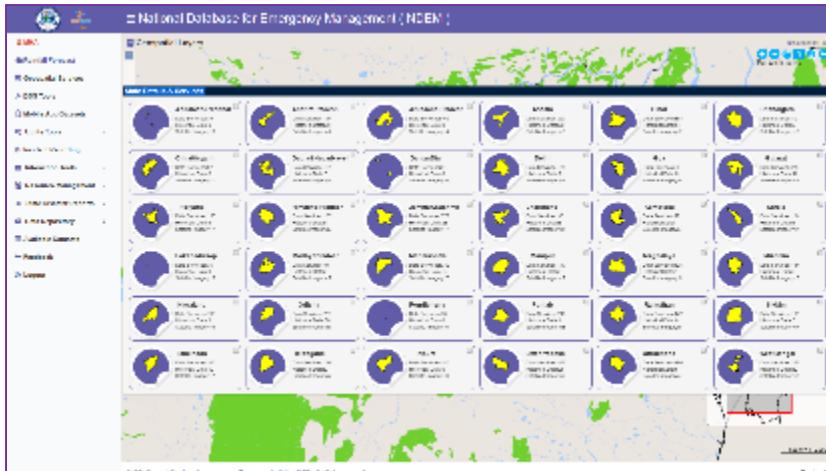
# Disaster Management Support Services

Rescue Operations

Database Organisation

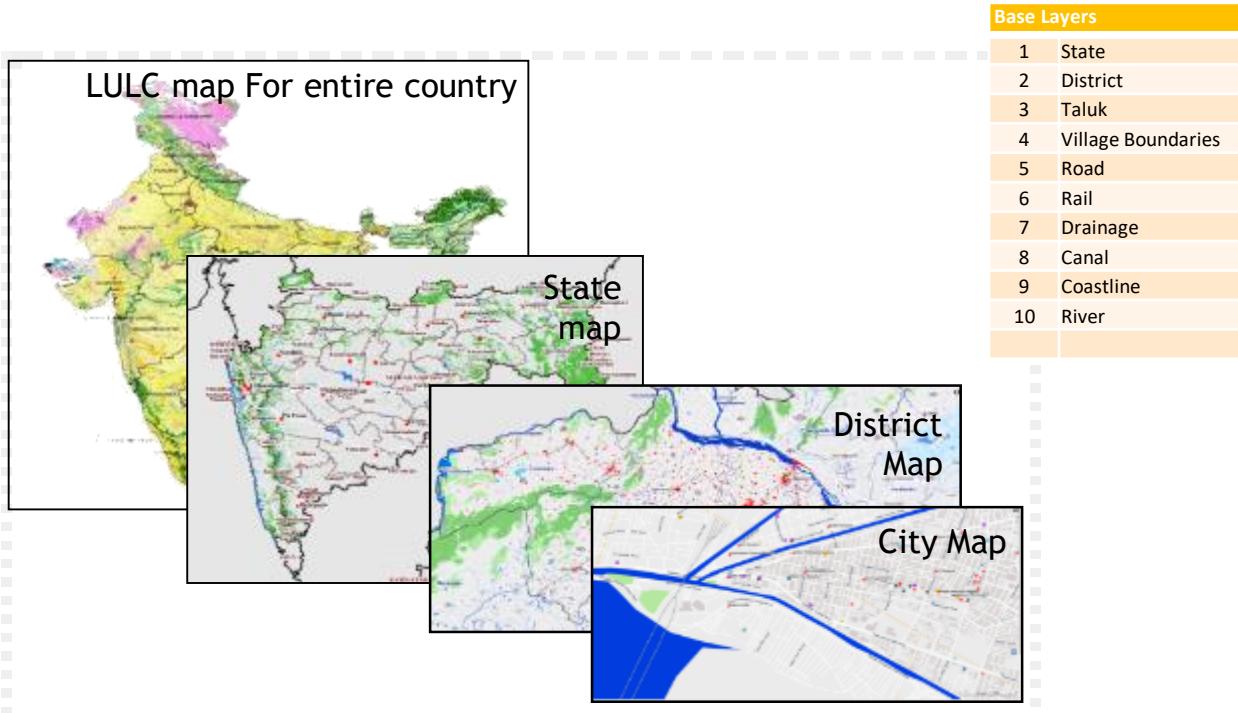
Decision Support tools

Decision Making



## NDEM - Multi-scale database services

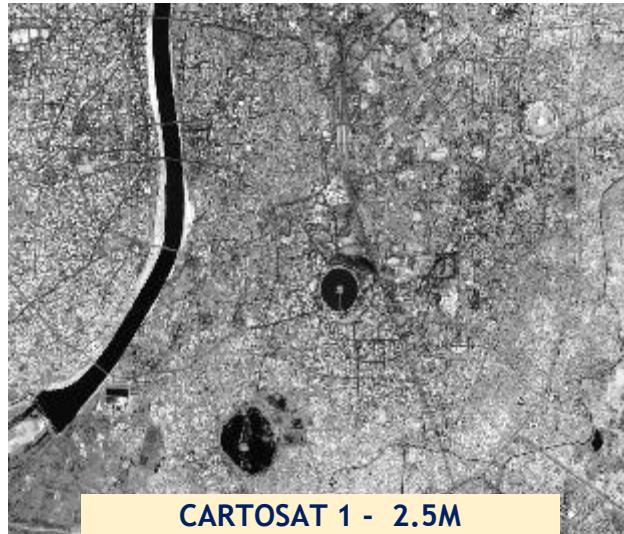
Multi-scale database services from State to Panchayat level are enabled for entire country. State wise data base is served at 1:50,000 scale for 36 States/UTs. At 1:10000 scale services are integrated for 350 districts consisting of 100 Multi-Hazard Prone and 250 Most Vulnerable districts for detailed disaster preparedness & planning.



Thematic Layers		Infrastructure Layers		Raster		Disaster Specific Data	
11	Land use / land cover	19	Railway stations	30	Carto2 DEM	38	Flood
12	Settlement-area	20	Hospitals	31	ACE2 DEM	39	Cyclone / Tsunami
13	Mining Area	21	Airports	32	SRTM DEM	40	Forest Fire
14	Surface water bodies	22	Helipads	33	LISS IV MX	41	Earthquake
15	Forest Boundaries	23	Ports	34	CARTOSAT – 1 PAN	42	Drought
16	Settlement-Point	24	River Gauge Stations	35	CARTOSAT – 1 PAN + MX	43	Landslide
17	Slope	25	Ponds & Tanks	36	CARTOSAT – 2 PAN	Non- Spatial Database	
18	Meteorological data	26	Dams(Point)	37	CARTOSAT – 2 PAN + MX	44	Socio Economic
		27	Reservoir			45	Census 2011
		28	Power plants			46	IDRN 2014
		29	Point of Interest			47	Health Data

## Multi-resolution satellite imagery

The portal consists of satellite imageries with resolution ranging from 5.8 m to sub metre. 5.8 m resolution multispectral imagery and 2.5 m resolution color imagery, covering entire country. Very High Resolution satellite data i.e., Cartosat-2 of 1m resolution and sub meter resolution data from foreign satellites covering major towns/cities are also available as secure web map services.



## Disaster Specific Products

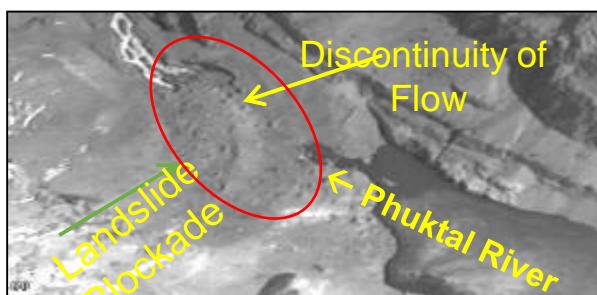
Portal is enriched with disaster specific products for selected natural disasters. These products are derived from space based inputs generated in near/real time and hosted onto the portal State wise for disseminating to the concerned officials which acts as a ready reckoner for planning and decision making.



Flood Inundation Map -Part of Tamilnadu Dec 2015



Forest Fire - Tirumala Hills area, Andhra Pradesh, Mar 2014



Phuktal Landslide 2015

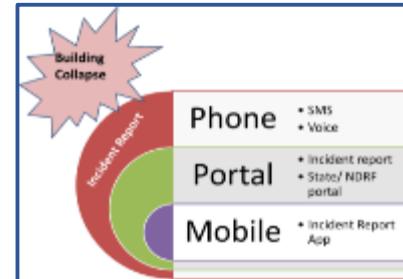


Nepal Earthquake Apr 2015



Vishakhapatnam, Srikakulam & East Godavari were severely affected due to strong gale winds & inundation, Oct 2014

# Incident Reporting



The screenshot shows the NDEM interface with the following details:

**Left Sidebar (Andhra Pradesh):**

- Andhra Pradesh
- Rainfall Forecast
- Geospatial Layers
- DSS Tools
- Incident Reporting (selected)
- Utility Tools
- Interaction Tools
- Mobile App Datasets
- Resource Management
- State Disaster Reports
- Data Repository
- Available Datasets
- Feedback
- Logout

**Central Content Area:**

**Input Box Incident Report:**

- Reported: Test (Andhra Pradesh)
- Latitude: eg. 16.053
- Longitude: eg. 80.613
- Incident Start Date: 24/03/2017
- Incident Start Time: 11:11 AM
- Incident Update: -
- Reporter Name: Test
- Reporter Mobile No.: -

**Map:** A map of Andhra Pradesh showing various locations like Tenapalle, Gudl, Pamuru, Chilalakuripet, Ponnuru, Repalle, Nagayalam, etc. A blue dot indicates the reported location at approximately 16.053, 80.613.

**Received Incident Report Overlay:**

Incident Name	Test	Reported by	Test(Andhra Pradesh)
Reporter Number	9440517381	Reported at	24/03/2017 11:11 AM
Device ID	Web	Occurred at	-
Latitude	16.053	Longitude	80.613

**Legend:**

- Approved Incident (Red)
- Unapproved Incident (Green)
- Received Incident (Blue)

The Incident will be reported by authorized State officials.

Reported incident will appear blue in colour.

Respective NDRF battalion will forward incident to HQ for approval.

The forwarded incident will appear green in colour.

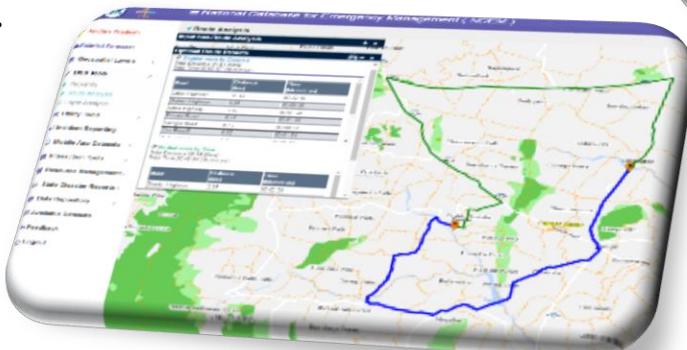
NDRF Head Quarter will approve the incident.

The approved incident will appear red in colour on the respective battalion page.

# Decision Support Tools

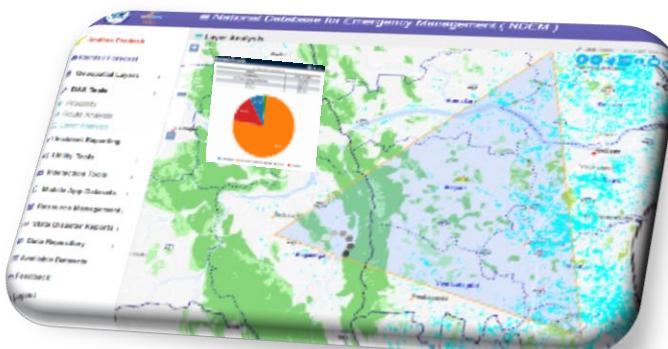
## Proximity Tool:

- ❖ Proximity tool for identifying emergency facilities.
- ❖ It provides optimal search for emergency facilities such as hospitals, shelters, rail/bus stations etc. within the user defined buffer distance.



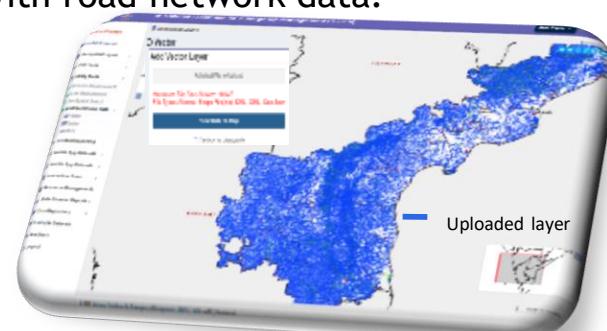
## Add user specific data Tool:

- ❖ The tool allows users to add specific custom vector data in standard GIS format.
- ❖ The user data is overlaid on the NDEM viewer to visualize and analyze for further decision making.



## Route Analysis Tool:

- ❖ Route analysis facilitates the user to find out the shortest route between emergency facility and user interested location/disaster site with details of the route.
- ❖ The routing tool enables finding out shortest way to locate shelters, hospitals etc. with road network data.



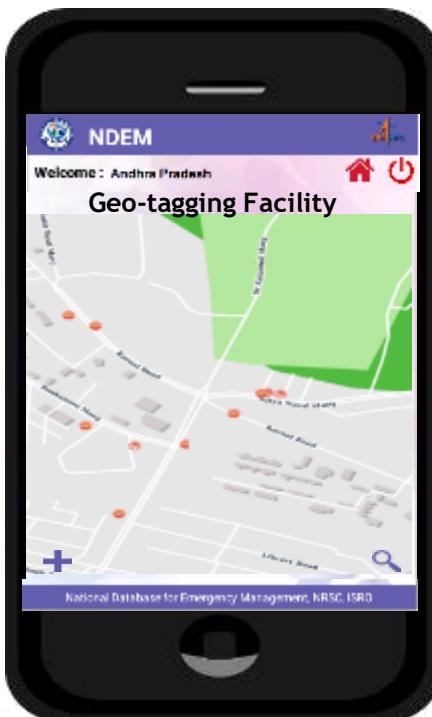
## Multi Layer Analysis Tool:

- ❖ Spatial analysis tool enables the user to add multiple layers on NDEM Map Viewer for analyzing the features for effective decision making.

# Mobile Applications

- ❖ Incident Reporting
- ❖ Relief Management
- ❖ Geospatial data Collection
- ❖ Geo-tagging of emergency facilities

The screenshot shows a mobile application interface for the National Database for Emergency Management (NDEM). The top navigation bar includes the NDEM logo, a search icon, and a user profile icon. Below the navigation is a sidebar menu with options: Andhra Pradesh, Rainfall Forecast, Geospatial Layers, DSS Tools, Incident Reporting, Utility Tools, Interaction Tools, Mobile App Datasets, Relief Management, Geospatial Data Collection, Geotagging of Emgr. Facility, and Resource Management. The main content area displays a map of a region with several locations marked by red pins. A callout box labeled "Geospatial Data Collection" provides detailed information about a specific location, including its address, coordinates, and other details. The map also shows various geographical features and place names.



# Weather Services

- Near real time data dissemination from ISRO science missions
- Weather prediction for all India for 24, 48 and 72 hrs.
- Graphical representation of AWS data in the form of Meteogram and time series information
- On the fly validation of Modelled weather forecast with satellite observations

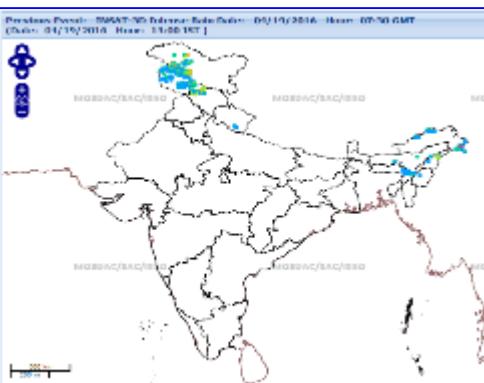


M O S D A C

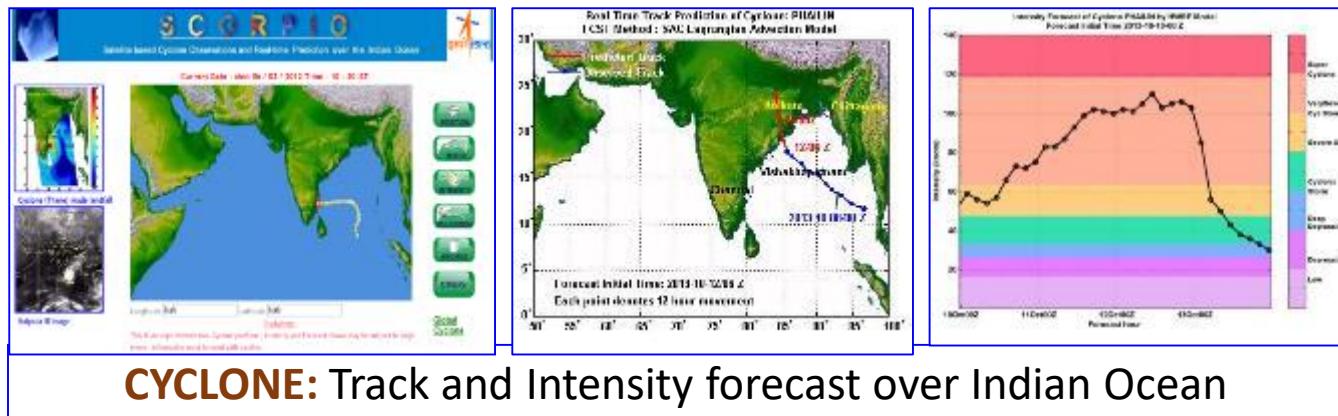
IDBWA



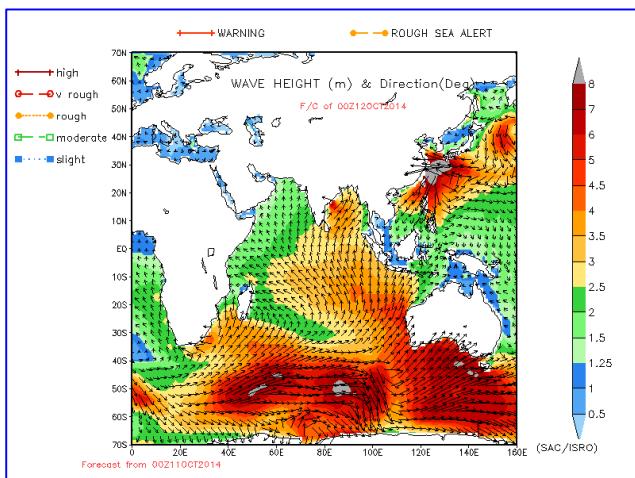
**WEATHER FORECAST**  
for 24, 48 and 72 hrs.  
(Temp., Pressure,  
Humidity, Rain, Winds,  
Clouds) over India at 5  
km resolution



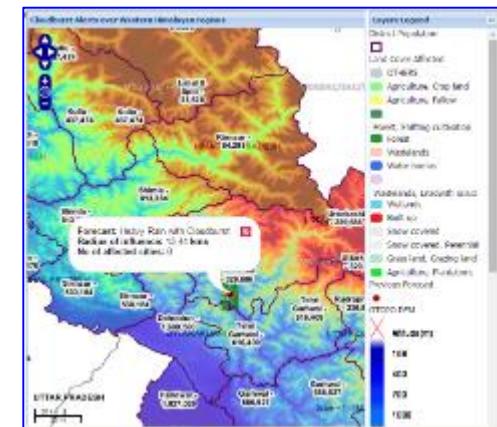
**INTENSE RAINFALL** Half hourly maps over India at 4 km resolution



**CYCLONE:** Track and Intensity forecast over Indian Ocean



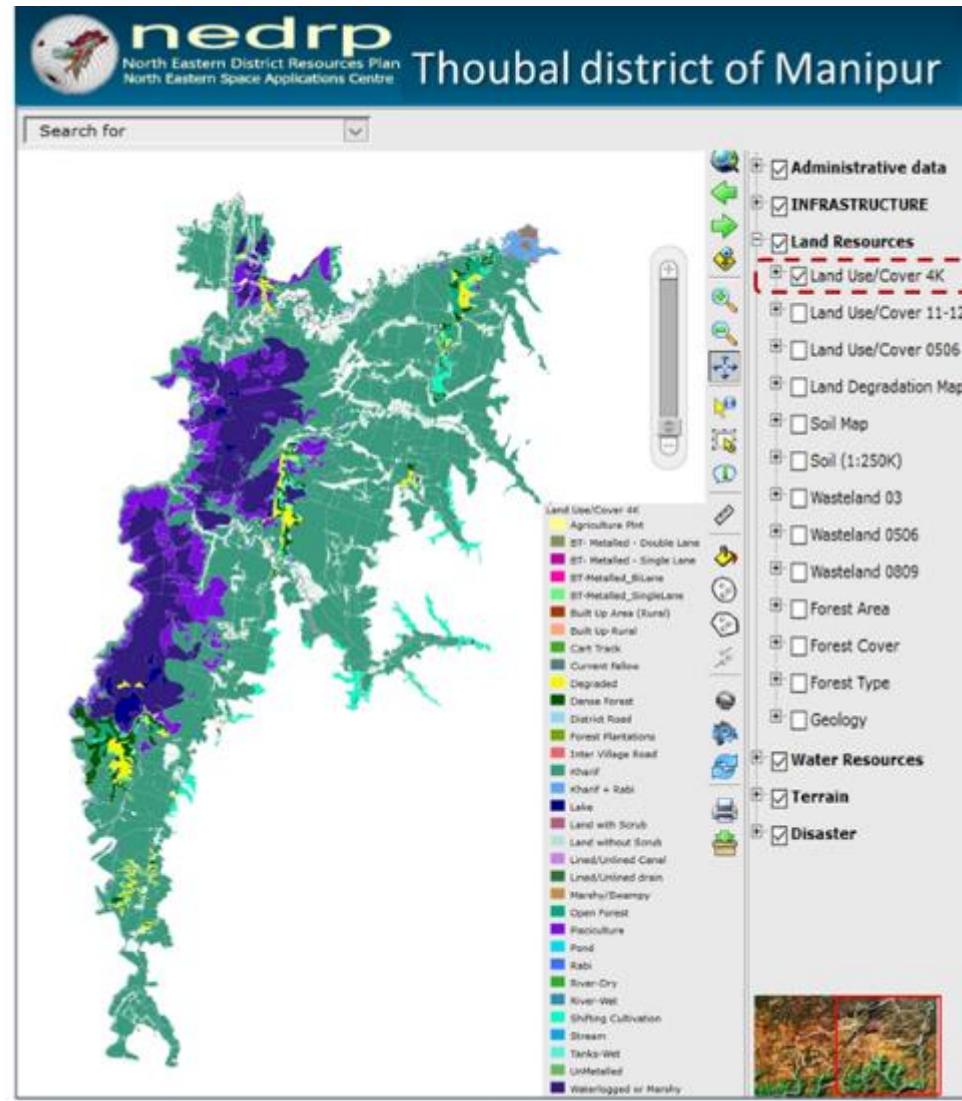
**SEA STATE FORECAST** (6 hourly) for 5 days in terms of wave height, wind speed, sea surface temperature and swell height



**CLOUD BURST:** Half hourly **ALERTS**

# Database availability

Every district contains	
Information Modules	Nos of layers
Base/Admin data	8
Infrastructure	4
Land resources	10
Water resources	6
Planning inputs	3
Terrain	1
Disaster Management Support	3
<b>Total</b>	<b>30-35</b>



## Total layers integrated

- More than 2820+ layers pertaining to 101 districts
- Total 3127 + point layers for Governance applications

# Geospatial layers

## 1. Administrative Data

- District Boundary
- Cadastral
- Sub-Division Boundary
- Sub-Division Headquarters
- Polling Area
- Polling Stations
- AC Boundary

## 2. Infrastructure

- Hospitals
- Police Station
- Water Pipelines
- Settlement Location
- Tube Wells
- Roads (1:10k)
- Drainage
- Sewerage Lines



## 3. Land Resources

- Land Use/Cover (1:4k)
- Land Use/Cover (1:50k)
- Land Use/Cover II Cycle(1:50k)
- Land Degradation Map
- Waste Land 2003
- Waste Land 2005-06
- Waste Land 2008-09
- Soil Ground Truth Points
- Soil (1:250K)
- Forest Area
- Forest Cover
- Forest Type
- Geology

# Geospatial layers

## 4. Water Resources

Surface Water bodies

Water bodies

Water bodies (River, Lakes)

River

Watershed

Aquatic Vegetation Post Monsoon 2008

Aquatic Vegetation Pre Monsoon 2008

Turbidity Pre Monsoon 2008

Wetland Boundary 2005

Wetland Points 2008

Wetland Post Monsoon 2008

Wetland Post Monsoon 2005

## 5. Bio Diversity

Biological Richness

Disturbance

Fragmentation

## 6. Terrain

Contour30m  
Slope In % Rise

## 7. Action Plan

Aforestation  
Horticulture

## 8. Disaster

Fire vulnerability zones  
Flood Effected Area  
Flood Prone River  
Flood Prone Zone

# NeSDR Governance applications

## Major e- Gov Portals ~

1. River Atlas
2. GeoTourism
3. NE Project Monitoring Portal etc.
4. Integrated alert system for ASDMA
5. Tripura Banadhikar
6. Fever Tracker
7. SeriGeotag

Sl. No.	Name of the application	Name of User Department
1.	NEC Project Monitoring	NEC
2.	BTC assest mapping	Bodoland Territorial Council
3.	Eatlas	CEO Election Depts
4.	CropDAMS	InHouse
5.	NeSDR Analytics	InHouse
6.	SeriGeotag	Central Silkboard
7.	CCE Dashboard	Ministry of Programme and Statistics, Govt of India
8.	Tassar	CTRI
9.	CHAMAN	MNCFC
10.	Transboundary animal disease	Animal husbandry department, Assam Govt
11.	COVID Dashbaord	State govt Heath Dept
12.	MRIS	
13.	Eatlas(Traccar)	CEO Election Depts
14.	MDEWS	
15.	NESRIS	
16.	Tripura BanAdhikaar	Govt of Tripura Directorate of Land Record
17.	Fever tracker dashboard	ICMR
18.	River Atlas	ASDMA
19.	ASDMA Dashboard	ASDMA
20.	Geotourism Dashboard	NEC
21.	NERDRR	In-House
22.	NEEPCO Hydro-Meteorological Network	NEEPCO
23.	COVID Dashbaord	State govt Heath Dept
24.	Village resource mapping	MBDA
25.	Decision Support System (DSS) for controlling Transboundary animal Disease	Animal husbandry department, Mizoram Govt

# List of Users

State Departments (30+)	Central Departments/Academia (15+)
<p>1. SRSAC, Itanagar, Land Record, Planning, S&amp;T- <b>Arunachal Pradesh</b></p> <p>2. S&amp;T, Urban Development, Soil &amp; Water Conservation, Irrigation &amp; Flood control, Fishery, SLNA/IWMP, ASDMA, T&amp;D - <b>Assam</b></p> <p>3. MARSAC, Revenue, R&amp;D/Panchayatiraj – <b>Manipur</b></p> <p>4. Election, Soil, MBDA/IWMP, DDMA, Forest, Urban Planning, Agriculture, MePGCL etc. – <b>Meghalaya</b></p> <p>5. MIRSAC, Forest, Planning - <b>Mizoram</b></p> <p>6. P&amp;C/NRSGISC, Forest, Urban- <b>Nagaland</b></p> <p>7. PWD/PMGSY, TSAC, PWD (R), - <b>Tripura</b></p> <p>8. S&amp;T, Forest - <b>Sikkim</b></p>	<p>1. NEC, GOI</p> <p>2. ICAR, Umiam</p> <p>3. Brahmaputra Board</p> <p>4. NEHU</p> <p>5. RMRC, Assam</p> <p>6. CDAC, Pune</p> <p>7. SIB, GOI</p> <p>8. IITG (Civil)</p> <p>9. Dibrugarh University</p> <p>10. Tezpur University</p> <p>11. Guwahati University etc.</p>

## Information/maps released

- 1750+ in standalone
- 2820+ via [www.nedrp.gov.in](http://www.nedrp.gov.in)
- 1280+ Bhuvan portal

# Sensitization- *for more effective Use of Space Inputs for developmental planning*



Thoubal, Manipur



Serchhip, Mizoram



West Khasi, Meghalaya



Makokchung, Nagaland



Prototype demonstrated to Late APJ Abdul Kalam



At ISPRS TC VIII Int.  
Symposium at Hyderabad



Release of NEDRP



Demonstrated to Governor,  
Meghalaya



Presented to  
Hon'ble Union  
Minister, Dr  
Harsh Vardhan



DC Office  
Mizoram



**Thank You**