National Database for Emergency Management

National Database for Emergency Management (NDEM) is an unique Geoportal, providing Space based inputs in near real time during disasters at National level. Encompassing Multiscale Geospatial database and Decision Support System tools to aid Nodal ministries and Departments in decision making. It is State of art infrastructure established by Indian Space Research Organization at National Remote Sensing Centre, Shadnagar.

Having introduced NDEM V1.0 in 2013, NDEM has undergone several progressive changes and currently NDEM V4.1 is in operation and available upto the district level administration.

As part of continuous development and also considering the requirements of ICR-ER, NDEM Version 5.0 is designed and developed by NRSC under Disaster Management Support Programme of ISRO. This version is release by **Dr. Jitendra Singh, Hon'bleMoS (Independent Charge) S&T; Earth Sciences, Hon'bleMoS PMO; PP/DoPT; Atomic Energy; Space on 28.06.2024 at New Delhi**

The main objective of this version is to synergize the disaster services, near Real time alerts and warnings from forecasting organizations in a single platform to depict the current day Pan India disaster scenario. Active forest fire locations, Near Real Time Flood maps, Spatial Flood Early warning on Godavari, Tapi river and Land slide Early warning generated by NRSC. Cyclone and weather related warning from Indian Meteorological Department (IMD), River water level information by Central Water Commission (CWC), Ocean related alerts from INCOIS, Avalanche alerts by DGRE, earthquake locations from National Centre for seismology (NCS).

Decision System Support (DSS) tools developed under NDEM, aid in situational assessment , identifying the emergency facilities and optimal route for planning the evacuation.

The services are categorized into current scenario, early warnings and historical modules. Base maps are prepared in bilingual, in accordance with state regional language (around 10 languages) and entire portal is available in English, Hindi, Telugu, Tamil, Bengali and Malayalam

NDEM also equipped with incident report mechanism, Indian Disaster Resource Network (IDRN),Post Disaster Need Assessment (PDNA) , Resource Management tools and Mobile apps for relief management and geotagging the essential facilities.
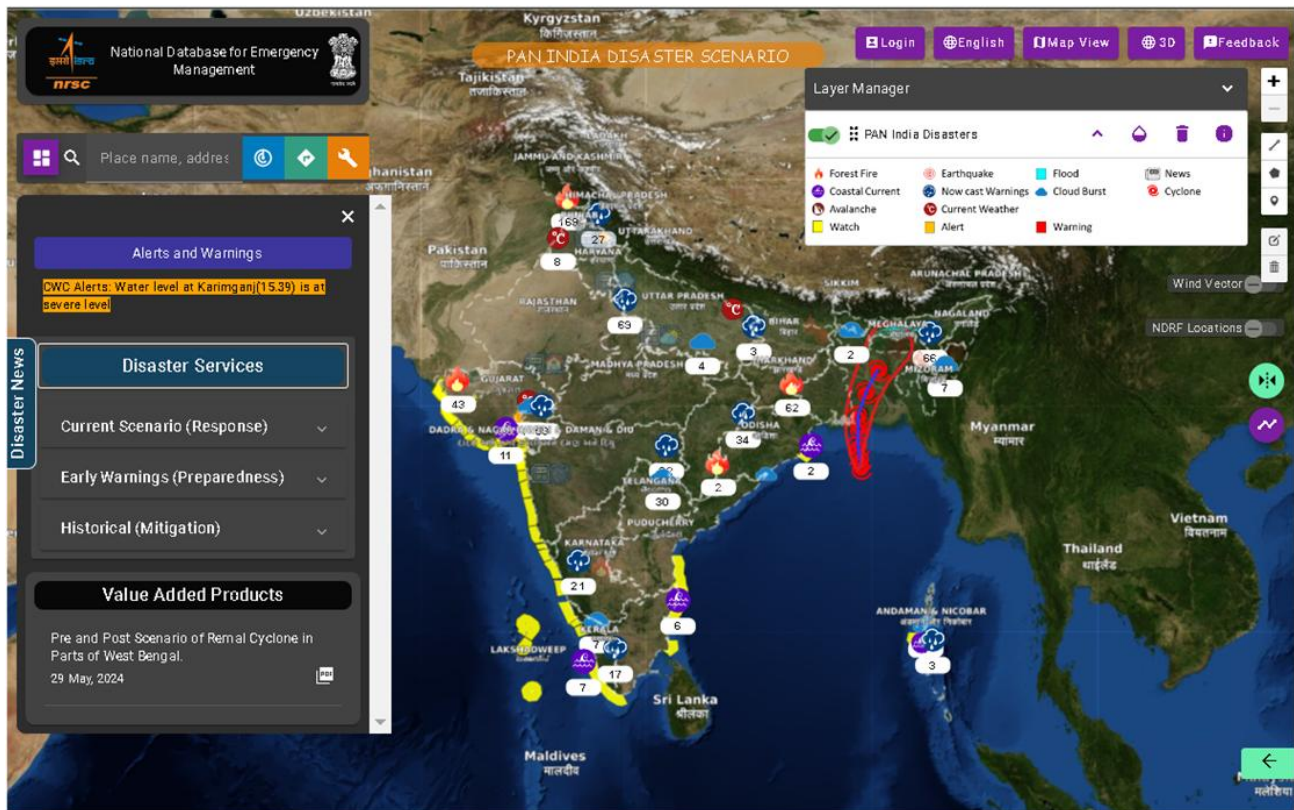
For more information visit; https://.ndem.nrsc.gov.in

NDEM V5.0 Release by Dr.Jitendra Singh, Hon'ble MoS

NDEM V5.0 Portal Demonstration

NDEM V5.0 Home Page

NDEM Team