

Intelligent Data Solution for Disaster Risk Reduction

IDS-DRR

Data-driven solution to help prioritise public resource mobilisation and planning for disaster risk reduction

Intelligent Data Solution for Disaster Risk Reduction (IDS-DRR) assists authorities to plan, mobilise and prioritise resources to build long term disaster resilience.

This platform brings together high-value datasets pertaining to climate, disaster, losses & damages, procurement, demographics and geo-spatial specifications for effective

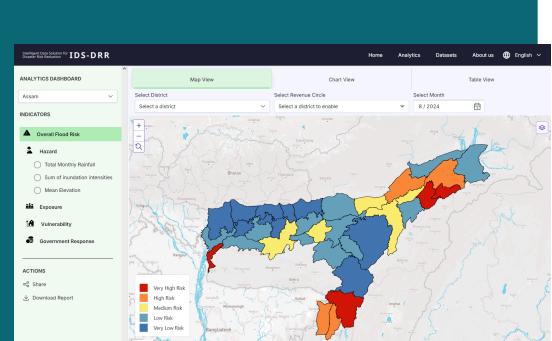
flood mitigation strategies and enables robust evidence-based climate action.

IDS-DRR is informed by the universally accepted United Nation's Sendai Framework for Disaster Risk Reduction and helps attain and accelerate commitments under the United Nation's Disaster Risk Reduction (UNDRR) framework.

IDS-DRR Offers

1 Analytics Dashboard

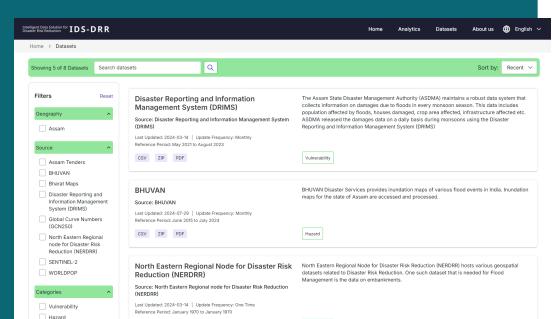
Helps garner insights from the IDS-DRR data model to understand the flood-risk profiles through granular data ranging from sub-district, district as well as the whole state administrative boundaries



Open Access Disaster Data Repository

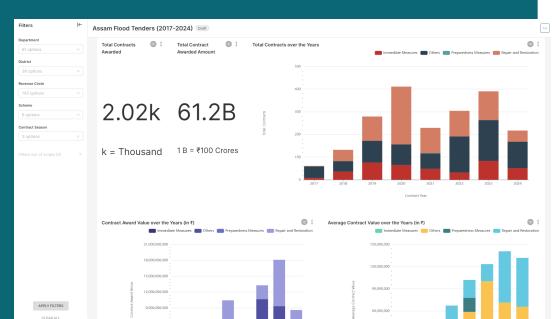
2 Helps you use reliable high-value datasets pertaining to:

- Innundation data
- Population and Demographics data
- Losses & Damages data
- Procurement data
- Geospatial data and Satellite imagery



3 Flood Procurements Dashboard

Provides data pertaining to tenders and bids issued by the government for flood management. Here, officials can analyse flood related Public Procurement Data across line departments, districts and seasonality. This helps them understand resource distribution for both immediate relief and long-term resilience.



Satellite Data



Demographic Vulnerability



Infrastructure Access



Losses & Damages



Government Response

IDS-DRR combines these to derive a monthly flood risk score for each region



Our collaborative Intelligent Data Model generates insights from 5 categories of datasets

Making Data Actionable with IDS-DRR



Additional Features

- Open Access Disaster Data Repository
- Intelligent Data Model & Platform
- Enhance Data Capacity of State & District Management Authorities
- Strengthening evidence based decisions for mobilising resources for the most vulnerable communities and geographies.
- Granular data from a revenue circle level to the district and even the whole state

Scaling to Other Geographies



Assam



Himachal Pradesh



Odisha

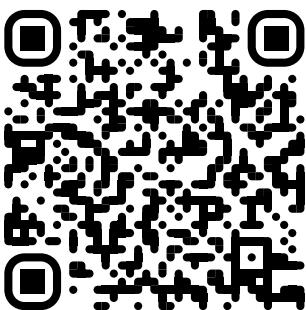


Bihar



Uttar Pradesh

We are working closely with Himachal Pradesh and Odisha to deploy it there and have started early testing for Uttar Pradesh and Bihar.



Scan to read more about IDS-DRR

Early Success



Selected as one of the two entries from India for the AI Action Summit 2025 in Paris, among the AI Convergence Challenge's winning solutions.



UN's International Telecommunication Union's (ITU) Global Initiative on Resilience to Natural Hazards through AI Solutions has selected IDS DRR as one of the 10 case studies to be scaled across geographies.