

# IDS-DRR

## Intelligent Data Solution for Disaster Risk Reduction

Digital data-driven platform to help prioritise public resource allocation and planning for disaster risk reduction

CivicDataLab's Intelligent Data Solution for Disaster Risk Reduction (IDS-DRR) assists authorities to **prioritise fund allocation** and **build long term climate resilience** by mapping risks and providing insights into resource allocation.

Often, allocation of public funds and prioritisation of response to climate related disasters is based on 'best guess' or 'to the loudest voices in the room' because of the absence of necessary and appropriate datasets to guide decision making.

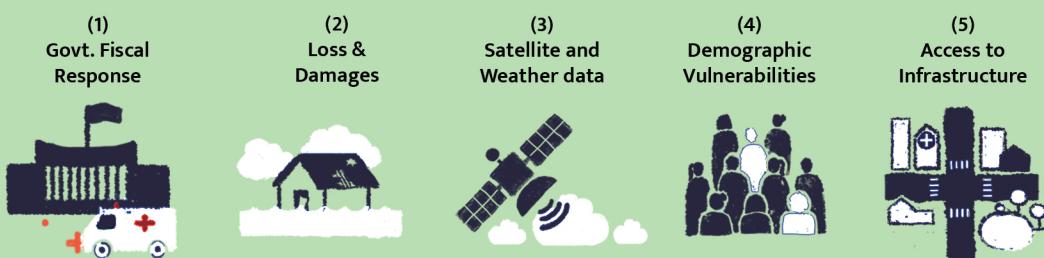
IDS-DRR is a unique platform that aims to fill that gap by enabling data collation and analytics (e.g. risk score) for disaster management authorities.

It brings together high-value datasets pertaining to climate, disaster, losses & damages, procurement, demographics and geo-spatial specifications for effective disaster mitigation strategies, making way for robust evidence-based climate action.

IDS-DRR is being developed in collaboration with Open Contracting Partnership with support by The Rockefeller Foundation and The Patrick J. McGovern Foundation. Informed by the SENDAI framework, high value datasets and a diverse group of stakeholders including government agencies, this solution leverages data and technology to enhance resilient climate action.

### IDS-DRR offers

- A. Analytics Dashboard:** That gives you insights from the IDS-DRR data model to compare and identify risk profiles of revenue circles and districts in a given state/ geography
- B. Flood Procurement Dashboard:** Provides data pertaining to tenders and bids issued by the government for flood management
- C. Climate related datasets** from different sources —



RISK SCORE	HAZARD	EXPOSURE	VULNERABILITY	GOVT. RESPONSE
Composite score based on Hazard, Exposure, Vulnerability & Govt. Response	Extent & frequency of flooding, based on data related to Inundation, Rainfall, Land Use, Elevation, etc. of the selected geography	Population exposed to the impact, based on the population data of the area	Susceptibility to, & actual, damages, based on data on social & physical infra, demographic vulnerability, & losses & damages	Coping capacity & government's monetary response, based on government public procurement data

## CivicDataLab's offering through IDS-DRR



**Open Access Disaster Data Repository as a free & shared resource**



**Intelligent Data Model & Platform for analytics & reports**



**Enhance Data Capacity of State & District Management Authorities**

CDL's platform helps **meet UN-DRR framework targets and commitments** by collating scattered datasets critical for DRR at national, regional as well as local level.

Most countries need support in implementing the UN-DRR framework at national, regional as well local level, IDS-DRR can help meet these commitments. It also assists decision makers to ensure funds & procurement are unlocked for the most vulnerable regions and populations.

**Risk factors and indicators**

**Selection of districts/revenue circles for a given time**

**Panel for data insights**

*Screenshots of IDS-DRR Analytics Dashboard*

**IDS-DRR Intelligent Data Solution for Disaster Risk Reduction**

Home > Datasets

Showing 5 of 8 Datasets

Filters	Source	Dataset Details
<input type="checkbox"/> Assam Tenders	<input type="checkbox"/> NERDRR	North Eastern Regional Node for Disaster Risk Reduction (NERDRR)
<input type="checkbox"/> BHUWAN	<input type="checkbox"/> Source: North Eastern Regional Node for Disaster Risk Reduction (NERDRR)	North Eastern Regional Node for Disaster Risk Reduction (NERDRR) hosts various geospatial datasets related to Disaster Risk Reduction. One such dataset that is needed for Food Management is the data on embankments.
<input type="checkbox"/> Brarati Maps	<input type="checkbox"/> Last Updated: 2024-09-14   Update Frequency: One Time	
<input type="checkbox"/> Flood Related Information Management System (FRIMS)	<input type="checkbox"/> Reference Period: January 1970 to January 1970	
<input type="checkbox"/> Global Curve Numbers (GCN)	<input type="checkbox"/> CSV <input type="checkbox"/> PDF <input type="checkbox"/> ZIP	
<input type="checkbox"/> North Eastern Regional Node for Disaster Risk Reduction (NERDRR)	<input type="checkbox"/> Vulnerability	
<input type="checkbox"/> SENTINEL-2		
<input type="checkbox"/> WORLDPOP		

**Categories:**

*Screenshot of Open Access Disaster Data Repository*

## Climate Action @CivicDataLab

Asia is the world's most disaster-prone region, with 80% of extreme weather events caused by floods and storms. To help better prepare Asia for climate change, we are actively working with frontline workers, government agencies and other stakeholders to strengthen climate action and disaster risk reduction. These efforts are spread across all our initiatives, including projects like **Green Budgeting**, **Disaster Modelling** and **Citizen-led Disaster Reporting**.

## About CivicDataLab

We work at the intersection of **data**, **technology**, **design** and **social science** to empower public access, evidence-based decisions, and citizen involvement in governance by harnessing the potential of open knowledge movements. We collaborate with various entities to strengthen the **data-for-public-good ecosystem**. Our expertise spans digital public goods, climate change, public finance, urban development, open contracting, and law & justice. Over five years, we've amassed 30,000+ datasets and serve over a million users. Initiatives like Open Budgets India, Justice Hub, and Open Contracting India exemplify our commitment to open data. We've partnered with NIC, MeitY, and the Government of Assam, while also building capacity of our partners in India, Indonesia, Philippines, Thailand, Panama and Scotland.

