ThinkHazard!

Identify natural hazards in your project area and understand how to reduce their impact



















River flood

Earthquake

Drought

Cyclone

Coastal flood

Tsunami

Volcanic ash

Landslide

AT-A-GLANCE

- ThinkHazard! is a new, open source resource pioneered by the Global Facility for Disaster Reduction and Recovery (GFDRR).
- ThinkHazard! analyses global, national and local hazard data in a first-of-its-kind digital platform.
- Hazard information is available for all 196 countries across 8 different natural hazards.
- With this tool, users can have a quick, simple-to-use overview of all hazards in an area of interest.
- Visit ThinkHazard.org

Assessing the potential disaster and climate risk in development is critical for development experts, project developers, planners, officials, and other decision makers. But determining the risk can be a highly technical and time-consuming process.

To make this understanding of risk more accessible and increase the resilience of projects around the world, GFDRR's Innovation Lab has collaborated with the World Bank Group, BRGM (the French geological survey), Camptocamp, and Deltares, to develop ThinkHazard!. This new online tool provides a level of hazard – down to the district level – across 8 types of natural hazards.

ThinkHazard! is a free, open source tool that puts information in the public domain that was previously proprietary or for expert use only. It not only helps users better understand relevant climate and disaster risk, but provides recommendations and resources to help address those risks. The open data platform means new data can be contributed by the global community, improving the tool over time.



How can ThinkHazard! be used?

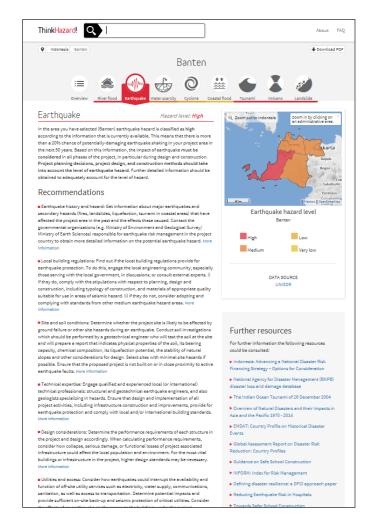
Here's an example of how ThinkHazard! can make an impact: A group of project developers and city officials have plans to build a school in the area west of Jakarta, Indonesia. They want to understand how earthquake could affect their project, but don't have the information they need.

With ThinkHazard!, this group can enter their location – from a district to country name – and see the levels of hazard that are present, in the project area. This tool would show the developers that the project site is at high risk of earthquake, volcanic eruption, landslide, tsunami, and river floods.

ThinkHazard! also presents a set of recommendations for addressing each specific risk. For example, the project developers in Jakarta could recieve a recommendation to contact the government agencies responsible for managing those risks to get more specific information on the potential risks.

Because is open source, it is possible to groups to create their own sector– and institution– specific versions. For example, it is possible to build a ThinkHazard! version that is focused just on the educational sector, so that there are detailed recommendations and resources on schools provided to the user.

The development and use of ThinkHazard! is open and transparent, with openly available documentation. The tool's architecture and code are open source.



GFDRR's Innovation Lab is acitvely looking for partners who might be interested in using and contributing to the future development of ThinkHazard!. The tool relies on underlying hazard data sets to communicate levels of hazard, and incorporating newly developed local, national, and global hazard datasets is an ongoing priority.

Visit www.ThinkHazard.org for more info.