



## **ThinkHazard!: an open-source, global tool for understanding hazard information**

Stuart Fraser, Brenden Jongman, Alanna Simpson, Ariel Nunez, Vivien Deparday, Keiko Saito, Richard Murnane, and Simone Balog

Global Facility for Disaster Reduction and Recovery (GFDRR) Innovation Labs

Rapid and simple access to added-value natural hazard and disaster risk information is a key issue for various stakeholders of the development and disaster risk management (DRM) domains. Accessing available data often requires specialist knowledge of heterogeneous data, which are often highly technical and can be difficult for non-specialists in DRM to find and exploit. Thus, availability, accessibility and processing of these information sources are crucial issues, and an important reason why many development projects suffer significant impacts from natural hazards.

The World Bank's Global Facility for Disaster Reduction and Recovery (GFDRR) is currently developing a new open-source tool to address this knowledge gap: ThinkHazard! The main aim of the ThinkHazard! project is to develop an analytical tool dedicated to facilitating improvements in knowledge and understanding of natural hazards among non-specialists in DRM. It also aims at providing users with relevant guidance and information on handling the threats posed by the natural hazards present in a chosen location. Furthermore, all aspects of this tool will be open and transparent, in order to give users enough information to understand its operational principles.

In this presentation, we will explain the technical approach behind the tool, which translates state-of-the-art probabilistic natural hazard data into understandable hazard classifications and practical recommendations. We will also demonstrate the functionality of the tool, and discuss limitations from a scientific as well as an operational perspective.