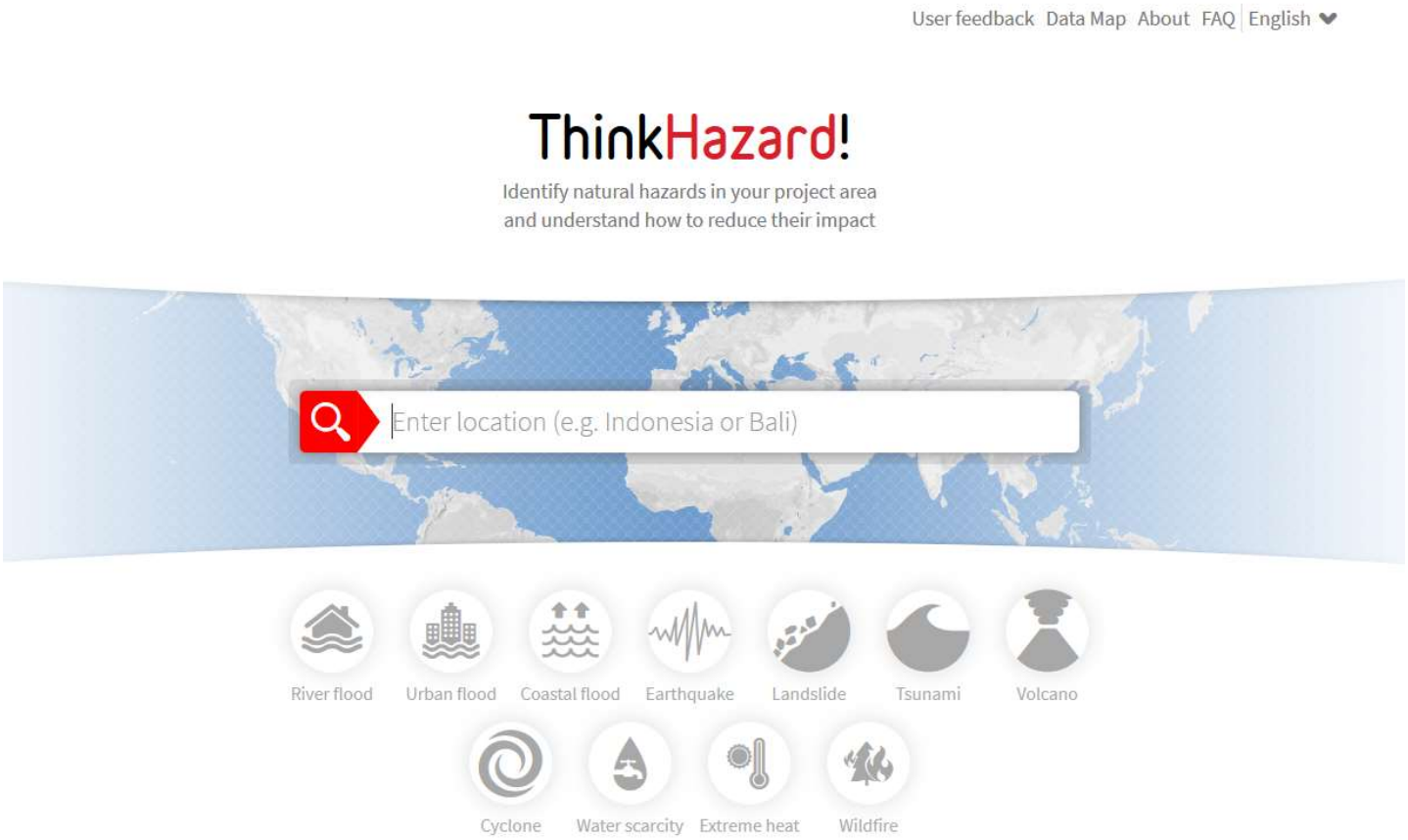
A Brief User Guide:



thinkhazard.org

GFDRR

What does *ThinkHazard!* do?

- **Ultimate goal:**

  To help project planners build hazard awareness and risk reduction guidance into development projects.

- **Understandable!**

  ThinkHazard! helps users understand the natural hazards that exist in a project area, and how to reduce risk to a development project. Hazard levels and risk reduction guidance are presented in a consistent and easily accessible framework with global coverage of eleven natural hazards.

- **Simple!**

  ThinkHazard! employs a simple workflow for quick, easy-to-use, non-technical hazard information and risk reduction guidance.

- **Open!**

  ThinkHazard! provides free open-access information on hazards and risk. The methodology is transparent and developers can use or adapt the platform to their needs.

GFDRR
Global Facility for Disaster Reduction and Recovery

Why use *ThinkHazard!*?

- To understand the natural hazards that exist in a project area, and how to reduce risk to a development project

- Understanding the possible impacts of a certain natural hazard usually requires expertise, time and resources. Over-reliance on information the public domain can provide overwhelming amounts of information, or less detailed, generic information that increase the chance of under- or over-estimating risk.

- Challenges include: finding non-public data (academic or commercial); accessing and processing data held in multiple formats or on data portals; Correctly interpreting specialist terminology and technical information (e.g., hazard parameters).

- *ThinkHazard!* provides built-in expert interpretation and processing of technical natural hazards information (both public and non-public data) and communicates a simpler interpretation of potential hazard impacts to users, using four hazard levels. Risk assessment specialists and experts in each natural hazard have determined those hazard levels according to the estimated likelihood of damage being caused by the hazard.

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1. Homepage: Identify location of interest

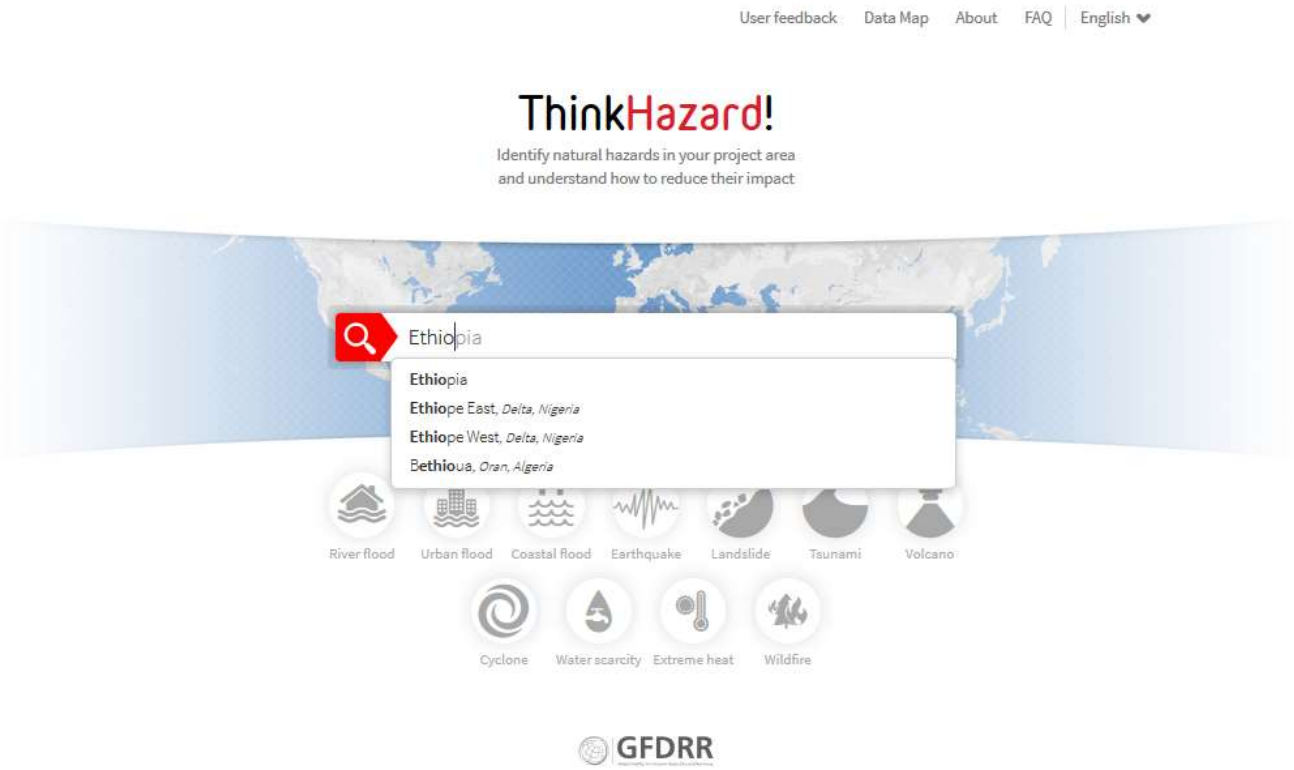
- Search by country, province or city/town.

- Type three or more letters in the box, a drop-down list of matching locations

- Select the location in the list to navigate to the hazard overview page for that location

Additional features

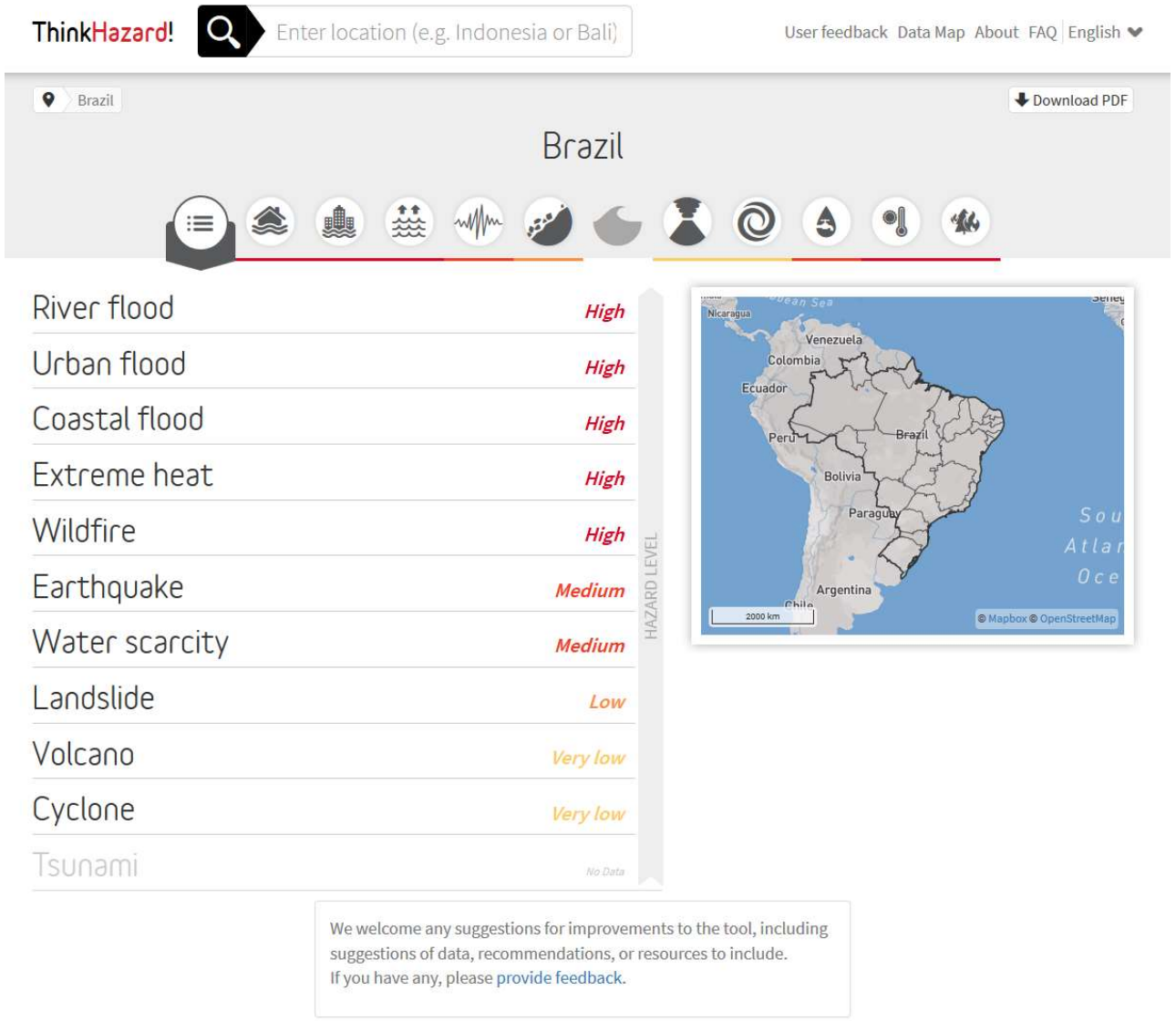
- The homepage shows all of the hazards currently covered by ThinkHazard!
- The homepage also provides access to:
    - **User Feedback** – Submit feedback to the site administrators who will make updates and respond as required.
    - **Data Map** –The datasets used for determining each hazard level. It provides a summary of the scale of data (global, regional, national, and subnational) and lists the datasets available for each country (view by clicking on a country)
    - **About** – General information about *ThinkHazard!*
    - **FAQ** – Frequently Asked Questions about the tool. Also provides links to the full methodology document
    - **Language** toggle – *ThinkHazard!* is available in English, French, and Spanish.
- These buttons are available on all pages



2. Location Overview: View all hazard levels

- A color-coded and text description of hazard classification for the searched location
    - Hazards are classified by administration area (e.g., country, province, district, or county) and are shown on the map.
    - **Hazard level shown is the maximum that occurs in that area, (but may be lower in some parts of the area)**
    - Hazards are listed from top to bottom according to classified hazard level (High, Medium, Low, and Very Low)
    - Where no data is available for the area, the hazard name and icon are shown in gray at the bottom of the list.

- *To download PDF report and description of each hazard for the location:*
    - *Click '**Download PDF**' button, available on all pages.*
- *To get more information specific to a hazard:*
    - *Click on a hazard icon or hazard name*
- *To navigate to another location:*
    - *Enter a new location in the search bar*
    - *Click on the map to move to a neighboring area, or use the zoom function*
    - *You can also scroll out to a bigger area by using the location chain (top left-hand corner)*



3. Hazard and Risk Information

- Shows information specific to one selected hazard for the selected location

- **Map** of hazard level distribution
  - Shows how hazard levels varies across an area
  - A toggle button shows the data used to determine the hazard level

- **Description of hazard level**
  - Defines the hazard in terms of frequency and severity
  - Advises on whether the impact of this hazard should be included in project planning

- **Climate change summary**
  - Brief information on how the hazard might be expected to change in the future, under projected climate conditions (derived from IPCC* reports). This is not a full assessment of projected change in hazard.

- **Recommendations for risk reduction**
  - Guidance on key issues and strategies to consider for reducing risk to this hazard when planning projects. High level guidance is shown, click on 'more information' for greater detail

- **Relevant contacts**
  - Up to three national-level contacts are provided. These have been identified as an important source of further information or specific knowledge for that location and hazard

- **Further resources**
  - Links to documents or websites that provide more information on the hazard or location; these include previous risk assessments, risk data, implemented risk reduction strategy, or reports on historical events

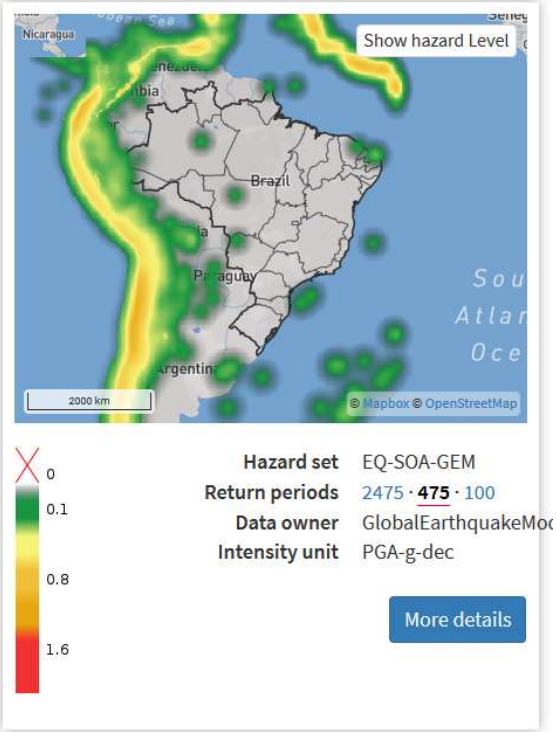
- *To view a different hazard in the same location:*
  - *Click on a hazard icon along the top bar*

- *To navigate to another location:*
  - *Use the search bar, map, or location chain*

*IPCC: Intergovernmental Panel on Climate Change

4. Accessing underlying information

- **Raw Hazard Data**
  - You can view and access any publicly available hazard data *ThinkHazard!* has used to classify hazard levels
  - Click on 'Show Data Source' in the map: The map will show the hazard data, with unit, legend, and source organization. Data can be viewed at multiple return periods where available.
  - Click on 'More Details' to access the data and view the metadata on the GFDRR Innovation Lab GeoNode (https://geonode-gfdrrlab.org)



- **Contacts**
  - To obtain further information on a contact, click the contact name. This will provide a URL, email, and or telephone for the organisation
- **Further resources**
  - Each resource links to an entry on the GFDRR Innovation Lab GeoNode (https://geonode-gfdrrlab.org)
  - This in turn provides a link to the PDF report or URL containing that resource