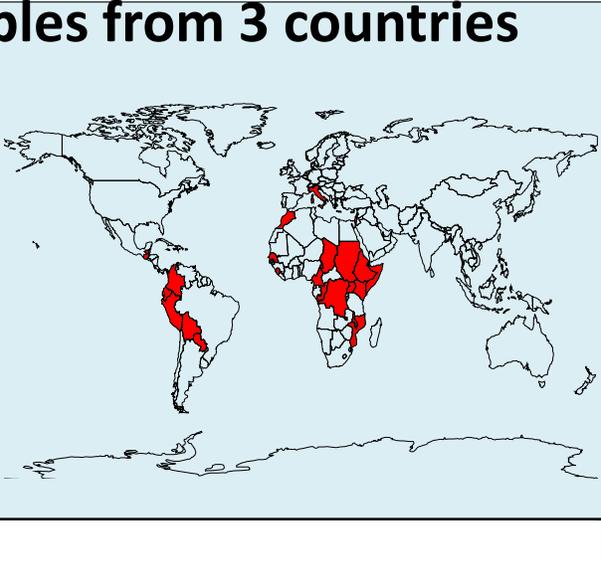




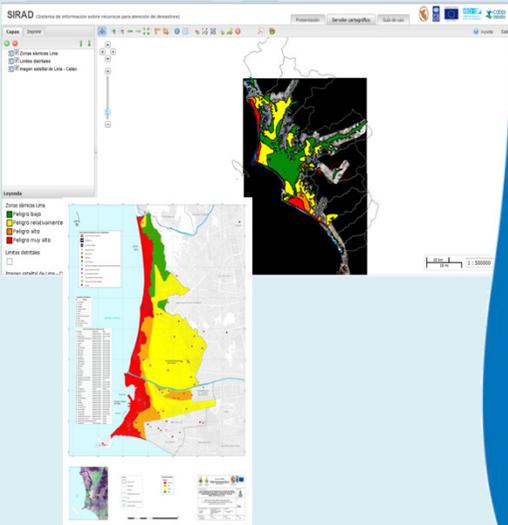
## Disaster Preparedness: examples from 3 countries

Perù,  
Haiti  
Malawi



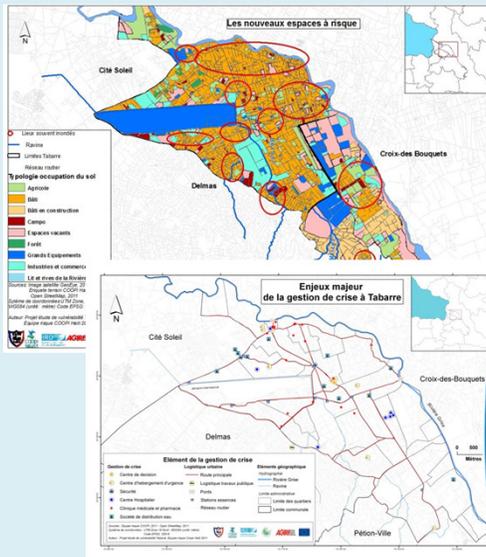
## Perù: webGIS database

- SIRAD webGIS database (Institut de recherche pour le developpement) integrated into the national database from peruvian civil protection institution, SINPAD.
- Seismic and tsunami maps
- Technological risk maps
- simulations exercises:
  - <http://www.vimeo.com/13872434>



# Haiti: OpenstreetMap

- WebGIS developed on OSM platform
- Technological risk maps
- Anthropic maps
- Haiti, difficulties in integrating the mapping system into local or national strategies.



# Malawi, Madagascar, Mozambique and Comoros Islands: NGOs' sharing platform

[www.gi4drrdb.coopi.org](http://www.gi4drrdb.coopi.org) is an online database to visualize data on Google Maps, upload and view geographical data or project documents.

The screenshot shows the gi4drrdb.coopi.org web application interface. At the top, there are dropdown menus for "Country" (Madagascar), "NGO" (Medair CH), and "Activity type" (Select an activity type). Below the map, there is a data popup for a specific location. The popup contains the following information:

NGO	Coopi	Number of villages	4
Activity type	Infrastructure	Number of people served	630
Activity type detail	evacuation	Who did establish it?	COOP
Location	Kasache school	When was it established?	2010
Latitude	-13.4895676	Status of local committee managing infrastructure	committee trained and active
Longitude	34.3570511	If it is an evacuation point, is it provided with sanitation facilities?	YES
Altitude	483	Uses	shelter
Status	Active	Construction material	cement
Note			

At the bottom of the screenshot, there is a table with columns for "Country", "NGO", "Activity type", "Location", "Status", "# villages served", and "# people served". The table shows one entry for Madagascar, Medair CH, Early Warning System, Aérodrôme Maroantseira, Not active, N/A, and N/A.

- Possibility to collect and send data via cell phone, Open Data Kit.

## Malawi: simulation exercise(floods)

- **PRA (Participatory rural appraisal) maps** (some supported by satellite images) + population data
- 1 village CPC (Civil Protection Committee) responsible for **upland/lowland communication** → **river gauge**
- 1 CPC responsible for **evacuation site preparation**

Success: same tools and strategies have been still used by communities after completion of project

Challenge: How to make these tools as ordinary part of response strategies?



# Thanks