UNFCCC

Regional expert meeting on a range of approaches to address loss and damage associated with the adverse effects of climate change, including impacts related to extreme weather events and slow onset events

Barbados, 8 to 11 October 2011

Revealing the interaction between Society and Nature.

DesInventar, disaster inventories for damage and loss assessment

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DesInventar in brief

- Created by La Red and eight Latin America instititutions in 1994, under coordination of OSSO

- It consists of conceptual and methodological development on disasters of all magnitudes, specially on small and medium disasters

- There is an emphasis on spatial disaggregation of large-scale disasters

- Each database uses an homogeneous scale to systematize data

Premise on scales

The magnitude of the losses becomes visible according to observation and systematisation scales on space and time

Collection of data on small disasters

Trinidad and Tobago database

Disaster datacard Example:
Event type: **Electrical storm**
Date: **1993-08-08**
St Patrick

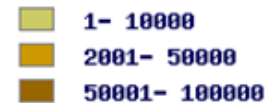Datacard ID: 1230
100 people affected
US $ 600 000

Spatial disaggregation of large-scale disasters

Number of disaster datacards

Legend:
- 1- 5 (yellow)
- 6- 10 (orange)
- 11- 15 (red)

People affected

Legend:
- 1- 10000
- 2001- 50000
- 50001- 100000

3 people dead
357 351 people affected

8478 houses affected
9 houses destroyed

+ many other losses registered

Wilma Hurricane: 13 parish affected and 30 diferent disaster datacards of floodind and landslide

Source: Office of Disaster Preparedness and Emergency Management, Jamaica

Basic concepts

"Disaster", the set of losses and damages
- of diverse magnitude
- collected at detailed scale
- associated with natural and socio-natural hazards and man-made events,

No restrictions on the magnitud of losses (no threshold a priori)

Database, is the systematic inventorying of losses on a homogenous spatial scale. Is the inventory of "disasters"

Main fields

Basic loss variables

Dead people	Health centres
Affected people	Educational centres
Destroyed houses	+ sectors
Affected houses	+ user's fields
Damaged crops	
Affected routes	

Description

- Date
- Source of information
- Type of event / cause
- Admnistrative unit
- Description
- + user's fields

Customisable fields

Type of events

Hydro-meteorological Climate related

Flood

Landslide

Hurricane

Tornado

Flash flood

Rainfall

Change in coastline

Hail

Torrential flow

Avalanche

Storm surge

Fog

Snowfall

Heatwave

Sedimentation

Drought

Geological

Volcanic activity

Earthquake

Tsunami

Other

Epidemic

Plague

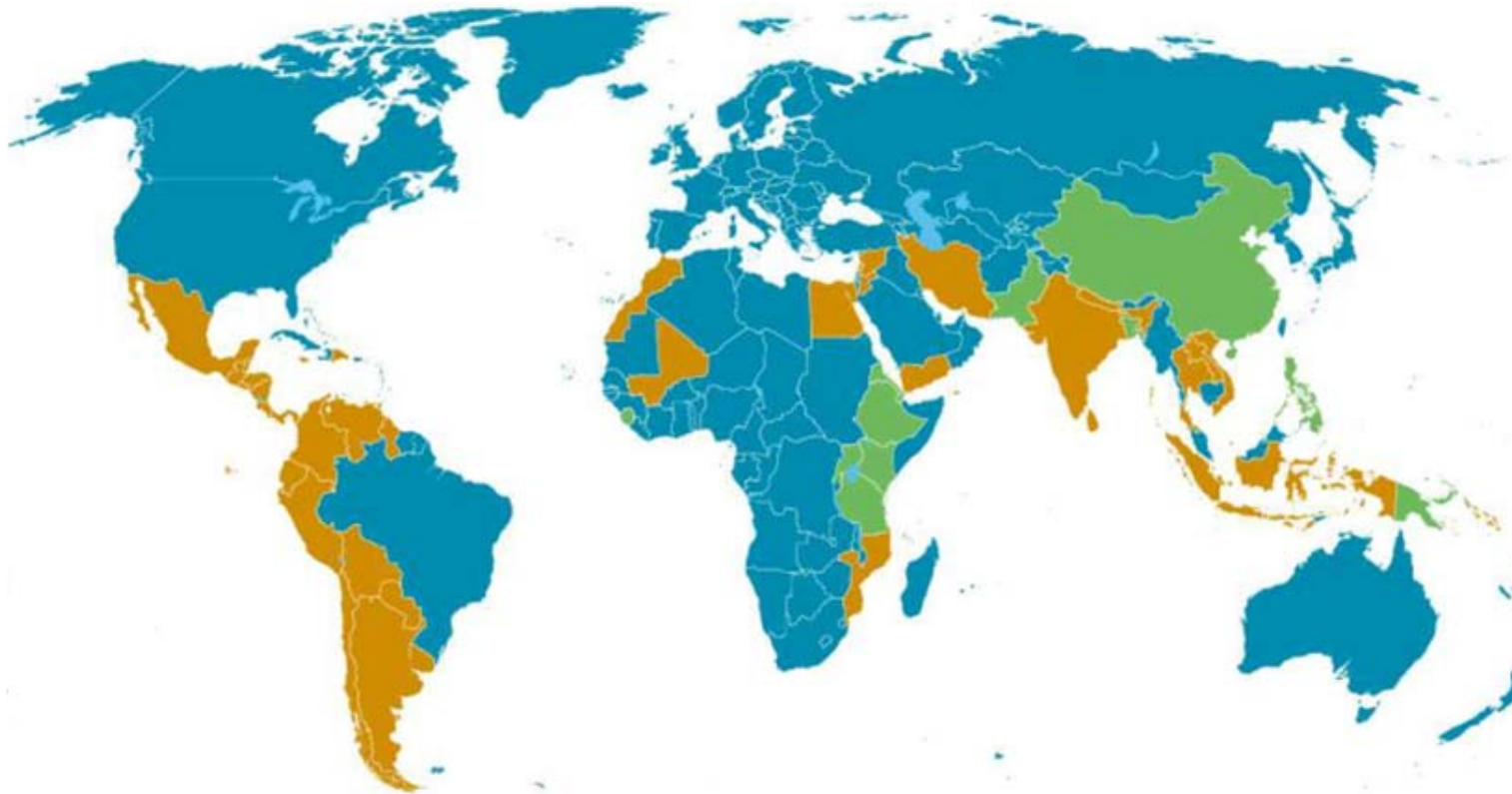Structural collapse

Fire

Forest fire

Contamination

Panic

Explosion

Features of development of databases

- The databases are created and built by and for local entities.

- Databases: can be personalised to meet local requirements

- The software is free open source code, distributed under the General Public License, GPL (no cost)

- Database are available online for public consultation

Disaster loss databses around the globe

In the Caribbean:

Jamaica
Trinidad and Tobago
Guyana
Dominican republic

Completed   Under construction

With the support of   UNISDR
The United Nations Office for Disaster Risk Reduction

The United Nations Office
For Disaster Risk Reduction

Thank you

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