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• CRED

• Centre for Research on the Epidemiology of Disasters
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Data for evidence based planning

EM-DAT and its application

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MAKING DATA INTO INFORMATION

OR

**HOW CAN DATA BECOME
EVIDENCE?**

Available evidence

- More than 90% die within 18hrs in earthquakes
- Indirect deaths are highest in floods and drought
- Disease outbreaks are rare and dead bodies are not a public health threat
- Psychological counseling by expatriate have no evidence of impact

EM-DAT Characteristics

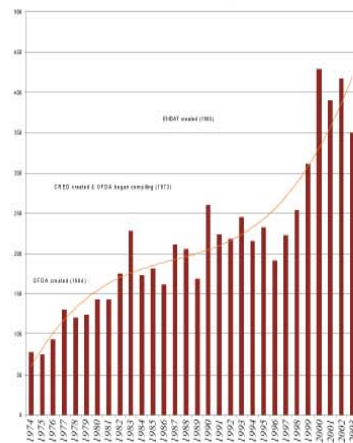
- 14,500 records from 1900 to present
- 184 countries
- Updated daily from multiple sources
- Publicly available on website and on request
- Natural and technological
- (CE-DAT – data on civil conflict)

EM-DAT IN FIGURES

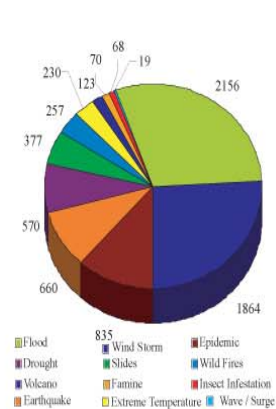
CONTRIBUTING TO DISASTER REDUCTION

- Collecting and providing information
- Validating and analyzing data
- Consultancy

NATURAL DISASTERS 1974 - 2003



DISASTER TYPE 1974 - 2003

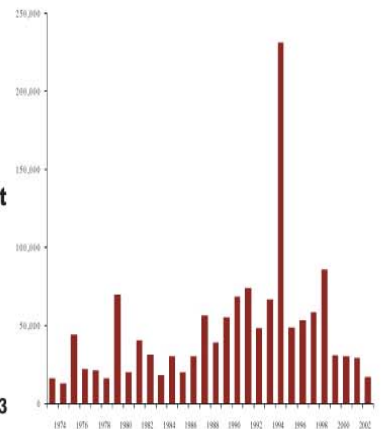


EM-DAT: The OFDA/CRED International Disaster Database – www.em-dat.net

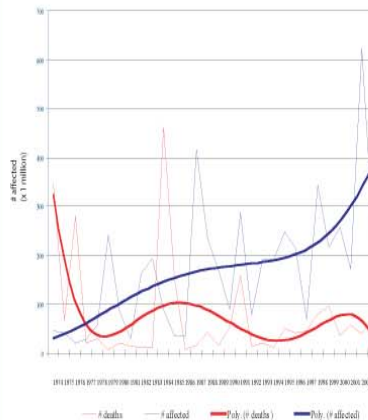
EM-DAT CONTENT:

- Disaster details
- Geographical areas
- Time setting
- International response
- Human and economic impact
- Sources and comments

Total economic losses in 2003 (million US\$)



Persons killed and affected: 1974-2003



TRENDS

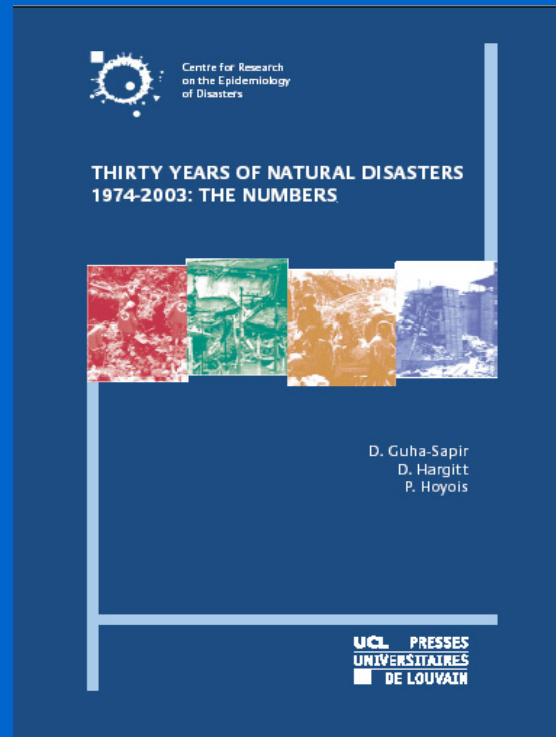
- Better statistical data
- Decrease of large disasters
- Small disasters increase
- Increase of affected
- Decline of deaths
- Kobe cost exceeds average

Future directions for EM-DAT

- Economic data
 - losses
 - contributions
- Structuring famine/drought data
- Refining mortality and morbidity information

EM-DAT IN NUMBERS

First CRED/EM-DAT publication
launched in December 2004



EM-DAT.NET

CRED Data Contact

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www.cred.be

EM-DAT

EM-DAT

Core data on more than 14,500 disasters from 1900 to present, including :

- **Natural disasters (63,5%)**
- **Technological disasters (36,5%)**

- **≥ 10 people killed**
- **≥ 100 people affected**
- **"State of emergency"**
- **International assistance**

DISASTER DEFINITION

"A situation or event which overwhelms local capacity, necessitating a request to the national or international level for external assistance, or is recognized as such by a multilateral agency or by at least two sources, such as national, regional or international assistance groups and the media.