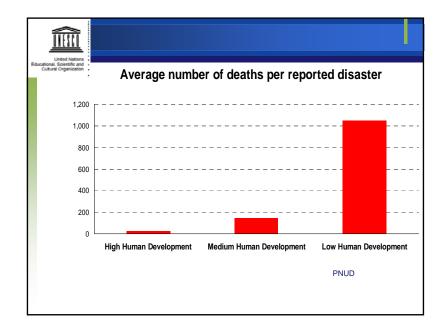
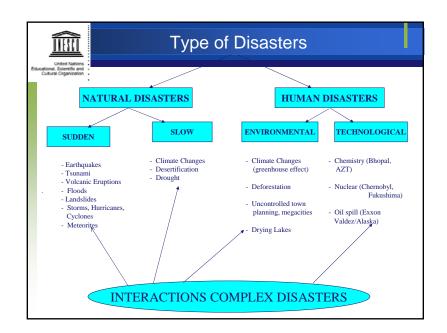
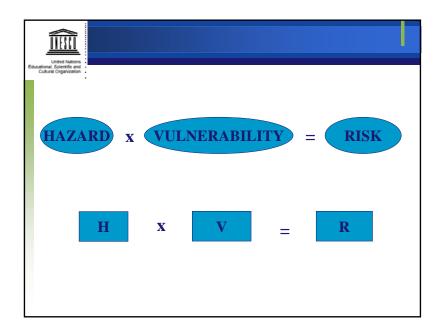
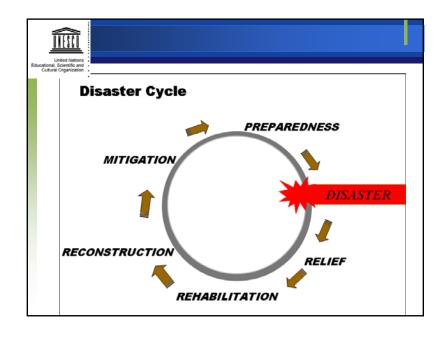


nal, Scientific and - ural Organization -			
Iran	Earthquake	1990	35,000
Bangladesh	Cycl/flood	1991	140,000
Venezuela	Flood	1999	30,000
Iran	Earthquake	2003	27,000
Indonesia, others	Eq/tsunami	2004	over 280,000
Pakistan	Earthquake	2005	over 80,000
Myammar	Cycl/flood	2008	over 130,000
China	Earthquake	2008	90,000
Haiti	Earthquake	2010	over 200,000
Armenia	Earthquake	1988	25,000



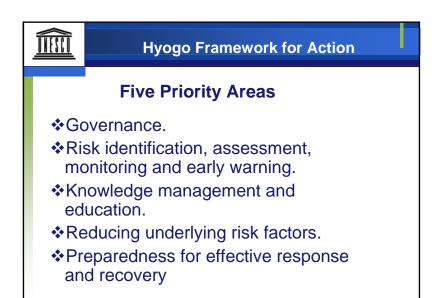


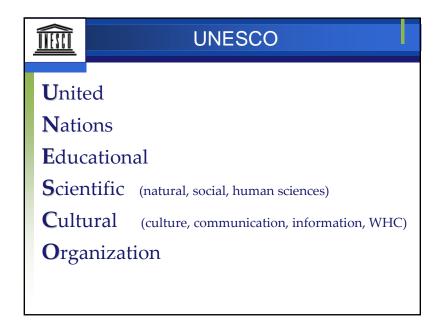


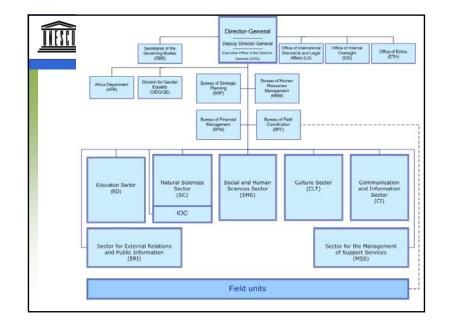






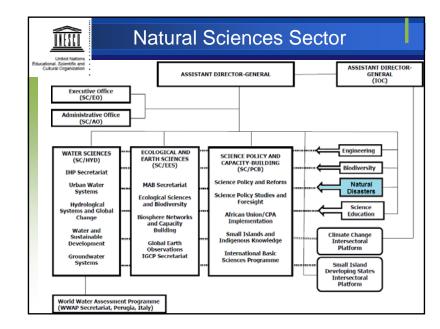


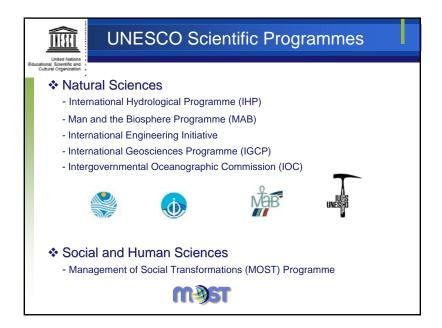




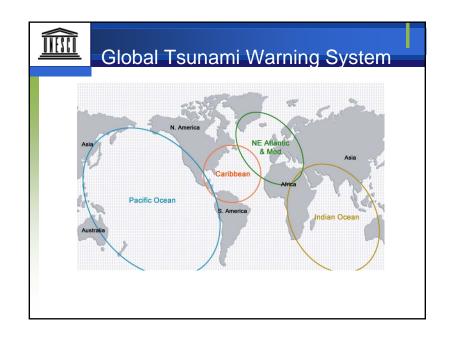


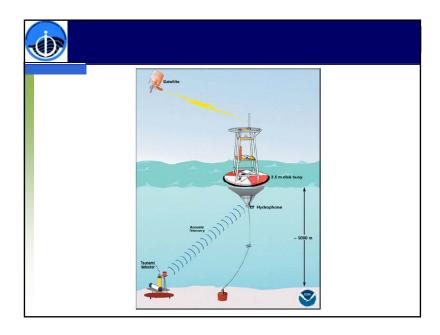
- . Observation and early warning networks of natural hazards
- Hazard risk mapping
- Disaster-resistant building codes
- Education for disaster reduction
- Help make schools safer
- · Promotion of public awareness through communication
- Protection of cultural monuments and sites
- Social dimensions and ethics of disasters

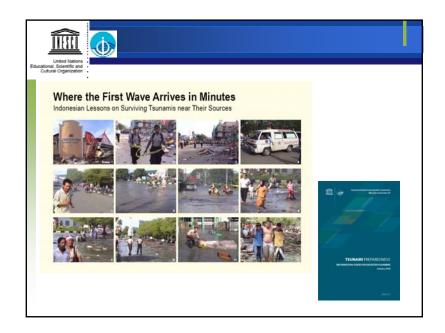


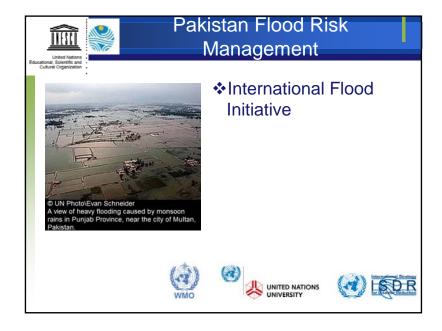














Pakistan Flood Risk Management

- Integrated flood and watershed management
- Groundwater resources for emergency situations
- Glaciers Melt, landslides and ground instability geohazards in flood affected areas
- Education and capacity building as a cross-cutting issue





International Flood Initiative

International Centre for Water Hazard and Risk Management (ICHARM)
Tsukuba, Japan









- > Flood resilience
- ➤ Floating buildings
- > Redesigning urban areas

- Flood warning
- Developing flexible, appropriate software tools for realtime flood prediction
- > Examining the effect of climate on flood prediction tools
- ➤ Using SMS messaging to deliver flood warning by location



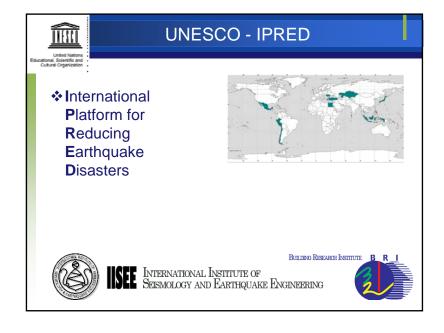
DROUGHT HORN OF AFRICA

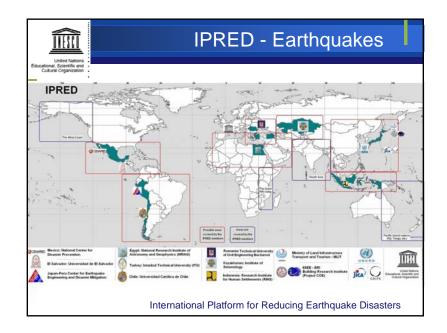
- Operational Regional Drought early warning system
- A Regional Groundwater Resources Database
- · A critical mass of scientists
- A set of drought response policies for managing groundwater in emergency situations

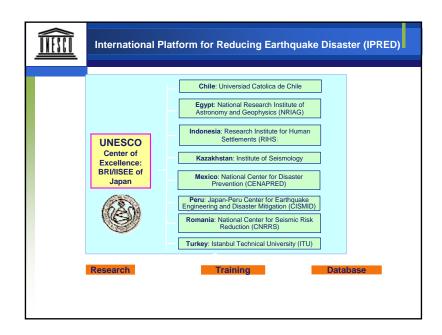


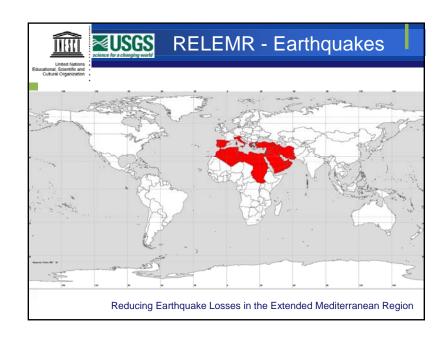


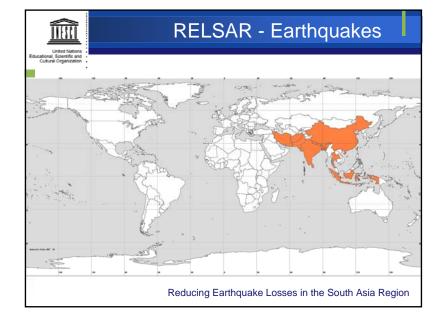


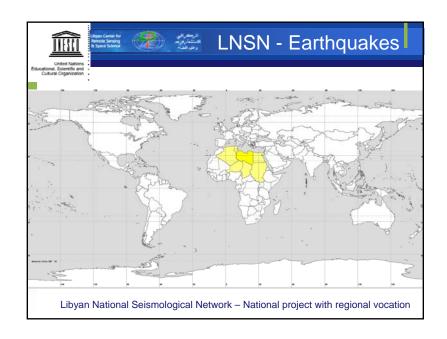






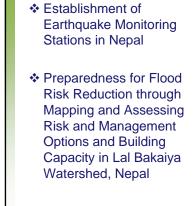








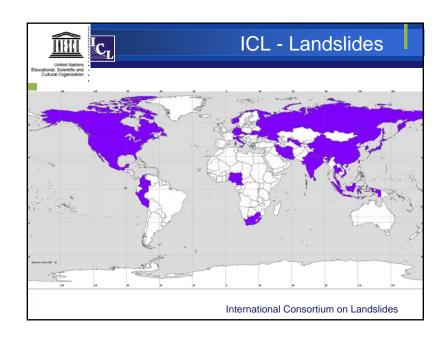




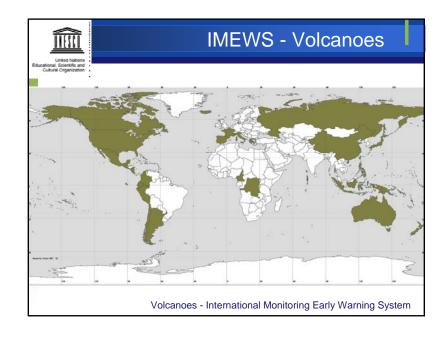
INESCO

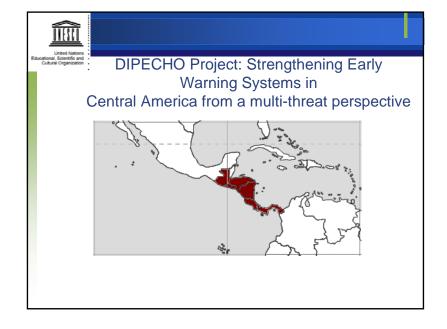
Improving Human Security through Better Understanding of Flood Mechanism in the Himalayas: A Pilot Project for Flash Flood Management in the lesser Himalayas of South Asia















- Inventory and diagnostic of EWS in Central America.
- Study of EWS legal frameworks and procedures.
- ❖ Validation of the "Manual on EWS Regional Flood" (produced by the
- Guidelines for the design and sustainability of EWS to Landslides / Mudslides
- ❖ Development of educational materials on EWS for the Ministries of Education.
- Incorporation of EWS in the formal school curriculum of each country.
- Awareness workshops and training aimed at authorities and officials from the ministries of education in the subject EWS.
- Support national efforts to commemorate the International Day for Disaster Reduction

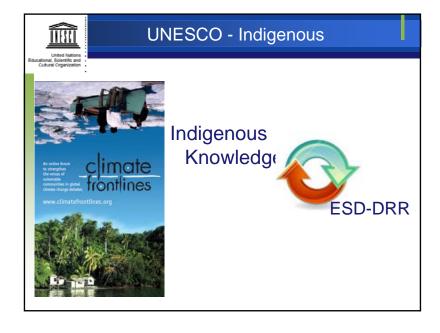


Safe School Strategy

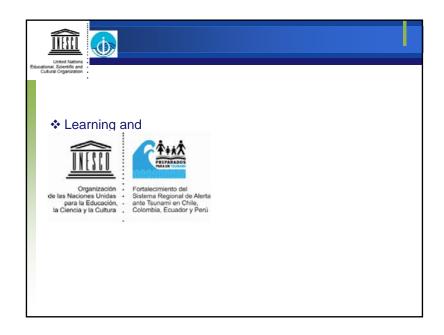
School collapse or damages

- •Tangshan, China 1976 (>2,000)
- •Spitak, Armenia 1988 (>1,000)
- •Ardakul, Iran 1997 (110)
- •Bingol, Turkey 2003 (84) •Ahmedabad, India 2003 (>25)
- •Kashmir, Pakistan 2005
- •Sichuan, China 2008 (>6,500 Classrooms)
- •Haiti 2010 (>5,000 schools)



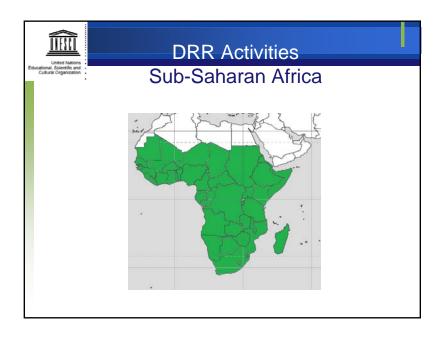














Support for the study of geo hazards within the framework of the geosciences Initiatives

African Region

- ❖ to improve the awareness and the understanding of, and the preparedness for geohazards
- ❖ to be included and specifically addressed in the study of Earth science in the Africa universities.





Hyogo framework for action 2005-2015

Priority No 3:

Knowledge, innovation and education -Building a culture of resilient communities

"the integration of disaster risk reduction as an intrinsic element of the UN Decade of Education for Sustainable Development",



DRR integration into curricula

1. A comprehensive mapping that captures key national experiences and good practices with regards to integration of DRR in school curriculum

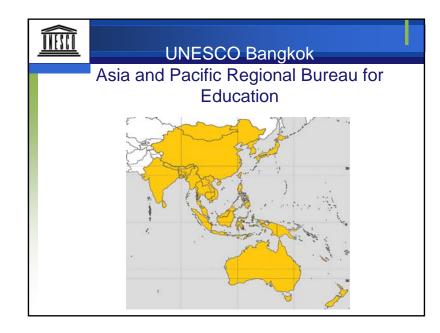


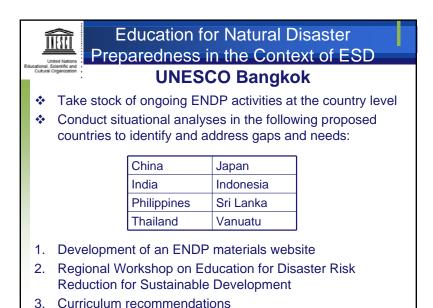
A guidance for governments, ministries and partner agencies and organizations to effectively integrate DRR in curricula. It will draw from previous experiences and further DRR agenda through curriculum enhancement.

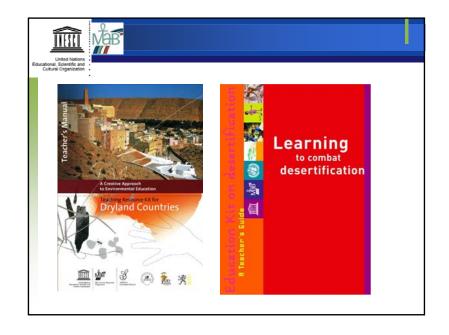


TPKE



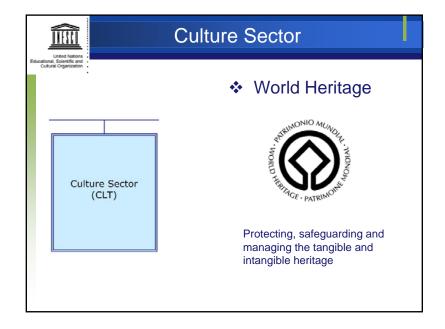
















Strategy for reducing risks at World Heritage Properties

- ❖ Purposes:
- Strengthen the protection of World Heritage
- Contribute to sustainable development
 - integrate concern for heritage into national disaster reduction policies
 - incorporate concern for disaster risk reduction within management plans and systems for World Heritage properties in their territories.





1910: The first dam is built in Aswan

The Nubian monuments are threatened by the water of the lake created by the dam.

1960 : The construction of the high dam of Aswan is accomplished

"The Nubian monuments will disappear under the water unless..."





UNESCO launches an international campaign...

UNESCO requests international technical and financial assistance in order to save the Nubian monuments.

A group of experts, coming from different countries, is asked to prepare an action plan in order to safeguard all the Nubian heritage.

- the contribution of 50 countries
- an amount of around US\$ 80 millions
- the acceleration of the excavations

The temples of Abu Simbel and Philae are "saved".

