

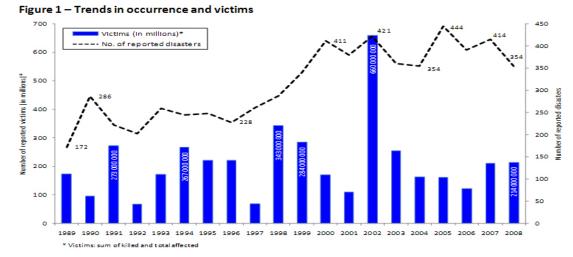
Telecommunications/ICT for Disaster Management

Maritza Delgado – Programme Officer BDT/LSE - ITU

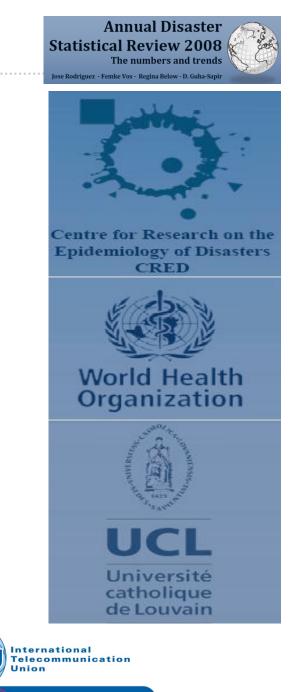


Committed to connecting the world

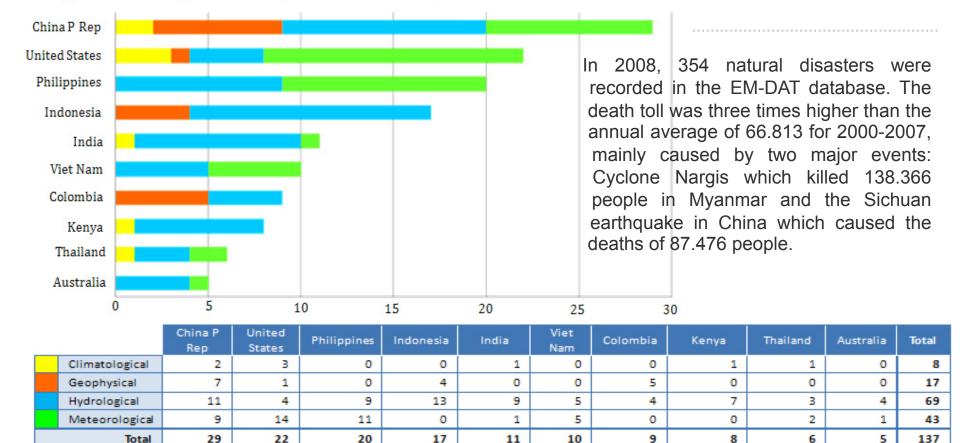
The human and economic losses caused by natural disasters in 2008 were devastating. More than 235.000 people were killed, 214 million people were affected and economic costs were over 190 billion US\$.



Source: "EM-DAT: The OFDA/CRED International Disaster Database www.emdat.be - Université Catholique de Louvain - Brussels - Belgium"



Committed to connecting the world



Top 10 countries by number of reported events in 2008

Source: "EM-DAT: The OFDA/CRED International Disaster Database www.emdat.be - Université Catholique de Louvain - Brussels - Belgium"

In 2008, China (29), the United States (22) and the Philippines (20) were most often hit by natural disasters. These three countries, together with India and Indonesia, have occupied the top ranking of disaster occurrence during the last three years.





ITU is the leading United Nations agency for information and communication technology issues, and the global focal point for governments and the private sector in developing networks and services.





4



ITU has been defining and adopting the globally agreed technical standards to have the information and communication technologies interconnecting people all around the world, using different equipment, regulating the use of the radio-frequency spectrum and ensuring all international wireless communications remain interference-free to ensure the relay of vital information around the earth.





ITU-T: Telecommunication standardization network and service aspects

ITU-R:

Radiocommunication standardization and global radio spectrum management

ITU-D:

Assistance delivery and implementation of telecommunications in developing countries

Member States: 191 Sector Members: 567 Sector Associates: 100



Emergency Preparedness consists of actions, arrangements and procedures taken in anticipation of an emergency to ensure a rapid, effective and appropriate response that may save lives and livelihoods

L. PREPAREDNESS

•Assess country needs

- Identify the vulnerable areas (GIS)
- Establish early warning systems integrating ICTs

Warning center Tide gauge



Phases:

 Monitoring systems, satellite and earth observations

Emergency Telecommunication Plan



mèter

Farthquake

SPS statio

Phases:

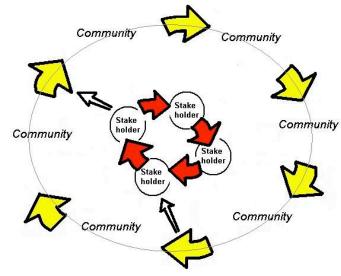
1. PREPAREDNESS

Develop standard operating procedures

Communications Protocols between:

- stakeholders
- -community and stakeholders
- stakeholders and community
- community

Emergency Telecommunication Plan





Disaster response is a phase of the disaster management cycle. Its preceding cycles aim to reduce the need for a disaster response, or to avoid it altogether.

Phases:

2. RESPONSE

 Make an evaluation on damages and needs assessments

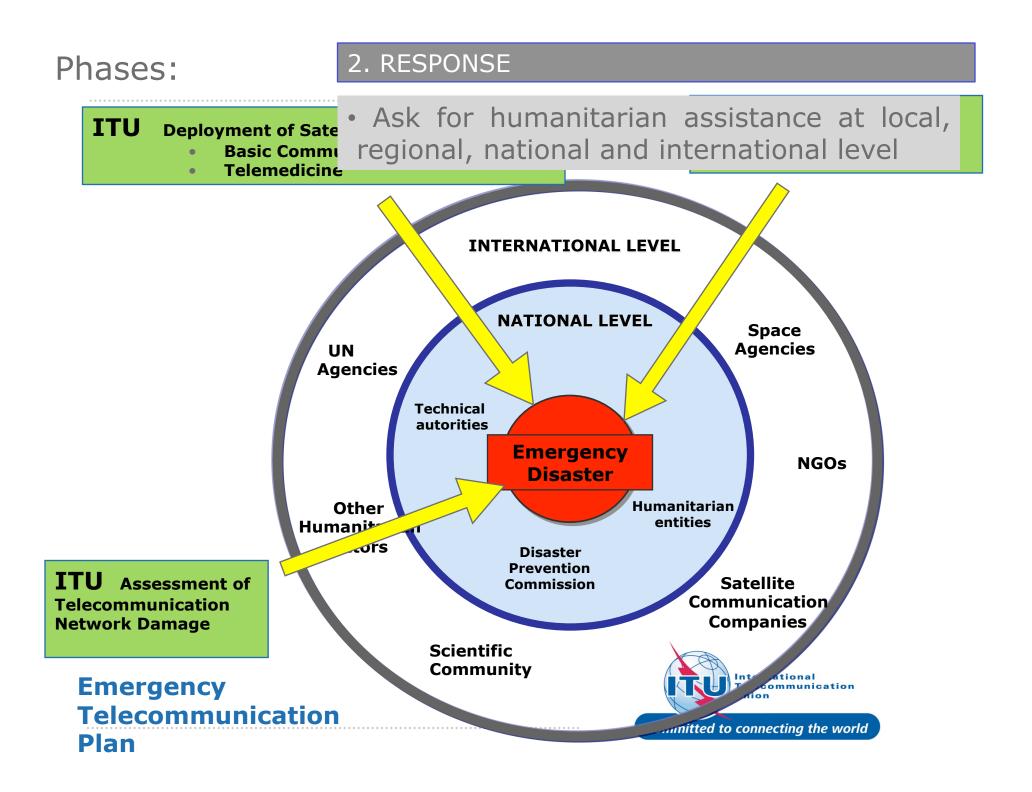






Emergency Telecommunication Plan





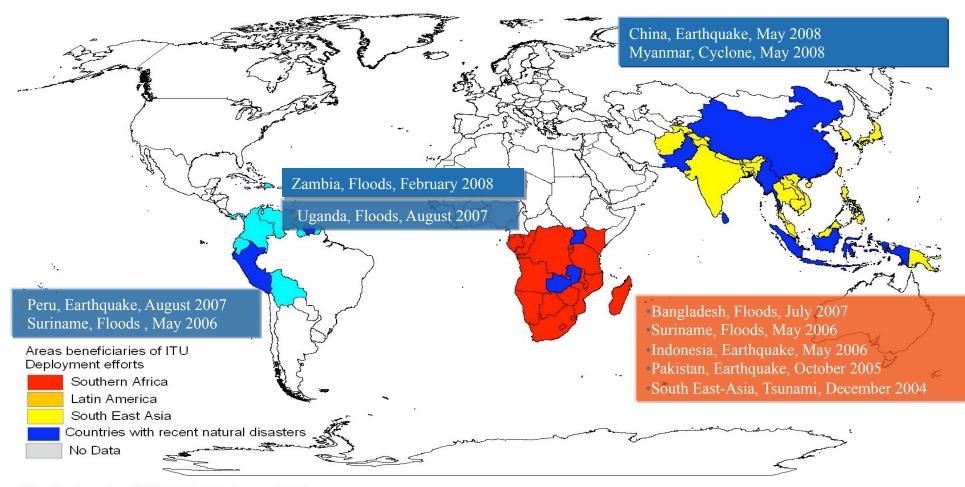
Following a disaster and when the initial crisis is over, people affected and the communities that support them are still in a state of heightened vulnerability. Post-emergency rehabilitation programmes are frequently needed.

Phases:

- 3. REHABILITATION AND RECONSTRUCTION
 - Reconstruction of the tele communication systems that had been damaged
 - ITU helps developing this task

Emergency Telecommunication Plan



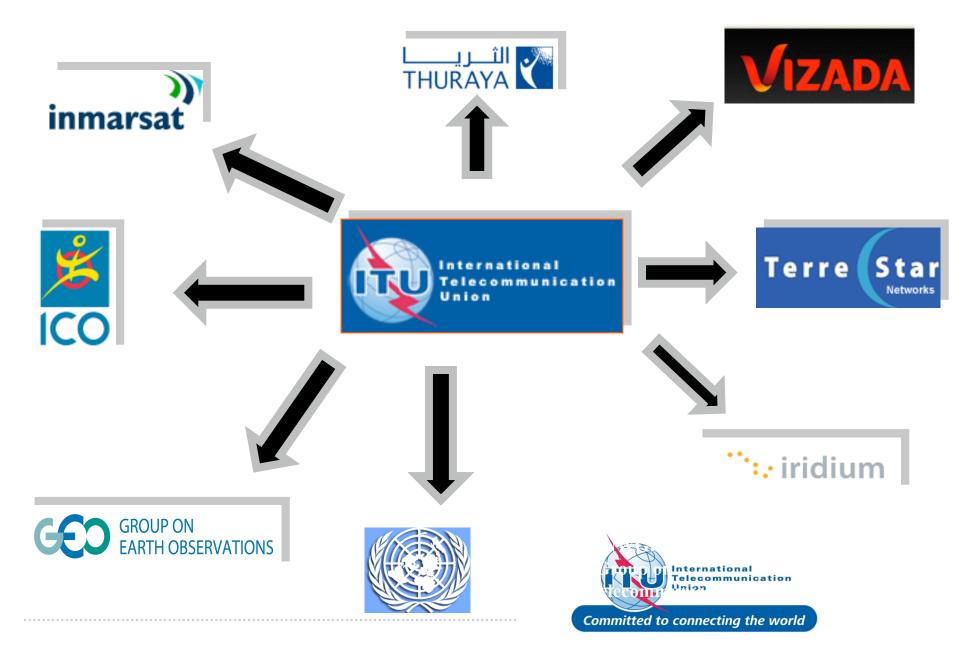


Map Produced by ITU-BDT-LSE February 2008 Data Source: ITU - Emergency Telecommunication http://web/ITU-D/emergencytelecoms/response/index.html The boundaries and names shown and the designation used on this map do not imply official endorsement or acceptance by the United Nations

Most recent ITU Deployments



Partnering for Humanitarian Work



Conclusions:

Encourage of the countries to

- Ø Develop their own emergency telecommunication plan;
- ØDesign an early warning system depending on natural phenomena that can affect the region;
- ØInclude ICTs on early warning systems;

ØAsk for help and advise to ITU;

ØIntegrate emergency telecommunication plan to national emergency plan.



Thank you

Maritza Delgado

PROGRAMME OFFICER EMERGENCY TELECOMMUNICATION, LEAST DEVELOPED COUNTRIES AND SMALL DEVELOPING STATES



15