









ITU-D

Role in policy, regulation, and legal frameworks development. Implementation of ICT projects and capacity building activities



About



ITU-R

Role in global management of the radio-frequency spectrum and satellite orbits

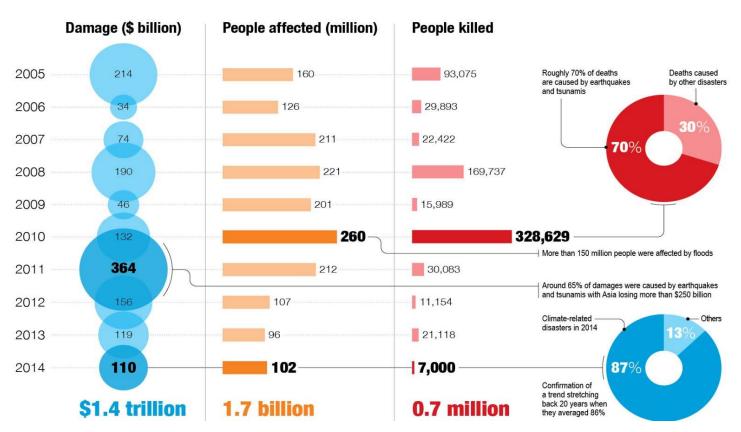
ITU-T

Role in developing international standards defining elements in the interoperability of ICT global infrastructure





Disaster Impacts 2005 - 2014









Source: UNISDR





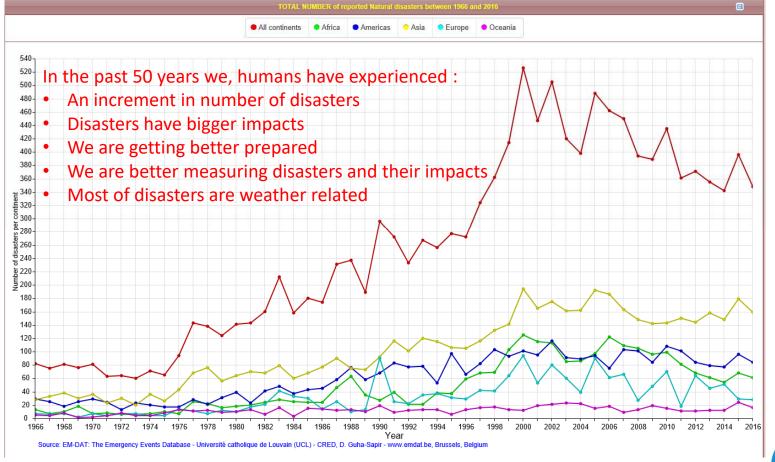






Number of Natural Disasters (1966-2016)





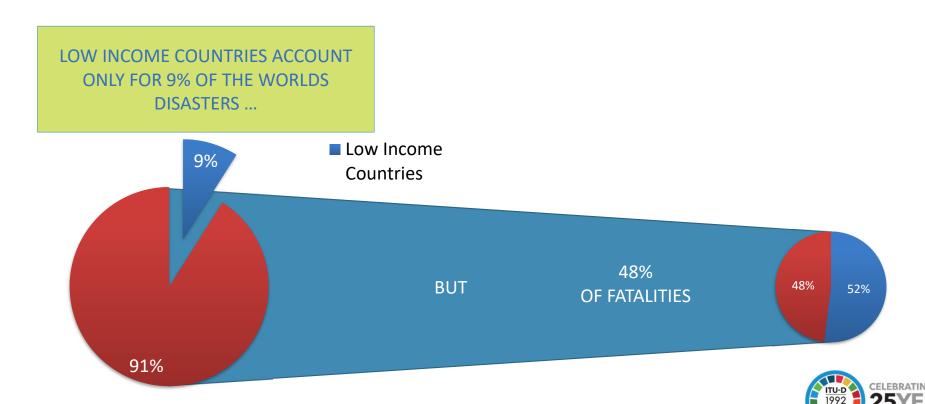




DISASTERS AFFECT EVERYONE



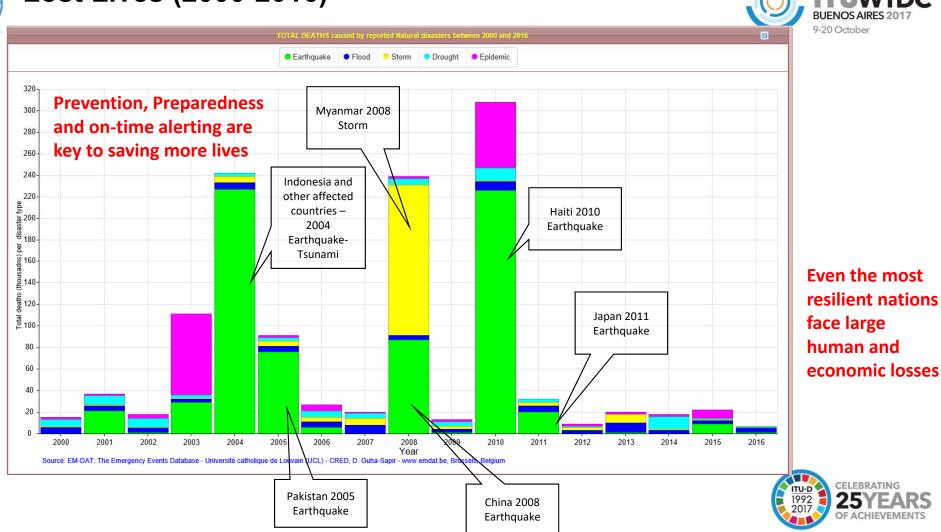
but they impact poor and vulnerable the most



Source: WB, http://siteresources.worldbank.org/EXTSDNET/Resources/Sendai-Brochure-Map 2.pdf



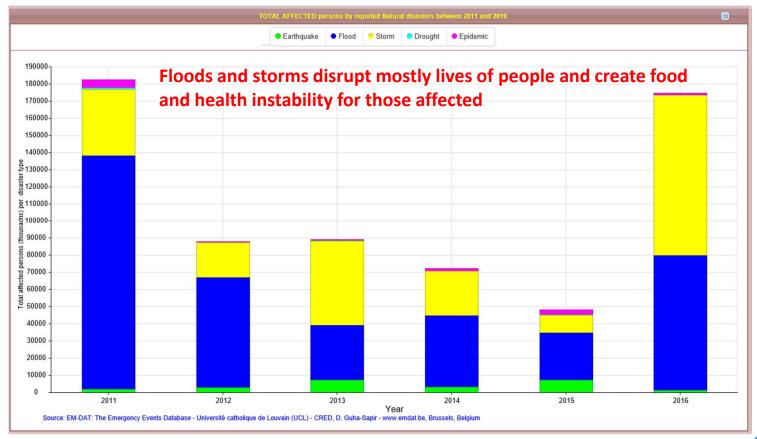
Lost Lives (2000-2016)





Affected Population (2011-2016)

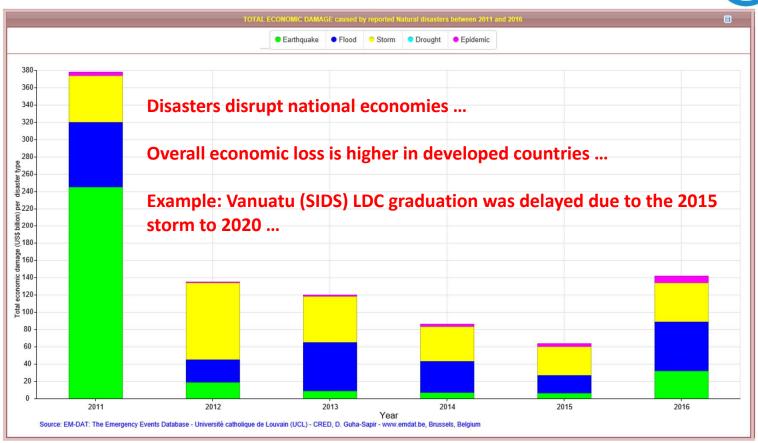






Economic Losses (2011-2016)











Role of ITU

Committed to connecting the world → connecting world in distress situations!

- Direct Assistance during all phases of disaster management
- Capacity building and awareness creation
- Project Implementations
- Facilitate ratification and implementation international treaties
- Standards development and implementation
- Spectrum allocation best practices and dispute resolution







Disaster Risk Reduction(DRR)



ICT Needs of Developing Countries for Disaster Prevention Preparedness, Response and Recovery

- Captures the unique needs of developing countries
- Promulgates and promotes DRR solutions
- Implements projects on disaster warning and alerting systems
- Development and review of policy and regulation (NETP)
- Promotes international cooperation and implementation of standards – Tampere Convention, CAP
- Provides direct assistance during emergencies on telecommunications

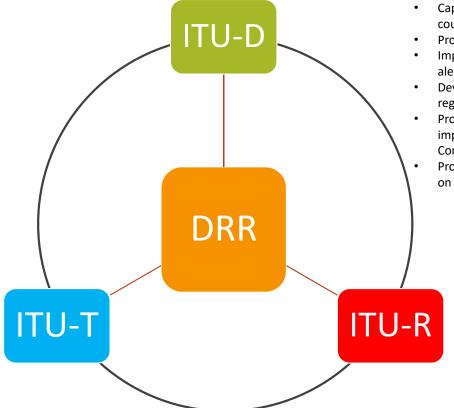
Radiocommunications in DRR

- Develop recommendations and reports on radiocommunications for disaster management
- Emergency frequency allocation best practices
- Satellite services regulation meteo services, earth observation, etc.



Disaster management, network resiliency and recovery recommendations and best practices

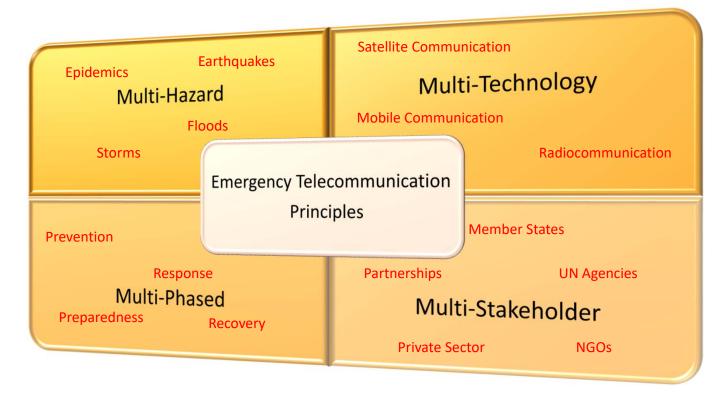
- Collects and documents information and concepts helpful to the work on disaster relief systems/ applications, network resilience and recovery from a telecommunication network perspective
- Critical information infrastructure protection
- Standards development and adoption such as common alerting protocol (cap, x.1303)







ITU Work Principles







Our Work - Disaster Risk Reduction





PROMOTION, AWARENESS AND PARTNERSHIP BUILDING:

- ORGANIZATION OF GLOBAL FORUMS (GET)
- ORGANIZATION OF REGIONAL WORKSHOPS AND FORUMS
- ORGANIZATION OF NATIONAL WORKSHOPS



STRATEGY
DEVELOPMENT AND
IMPLEMENTATION:

- POLICY, LEGAL &
 REGULATORY
 FRAMEWORKS
- DESIGN AND IMPLEMENTATION OF NATIONAL EMERGENCY TELECOMMUNICATI ON PLANS
- BEST PRACTICES AND KNOWLEDGE EXCHANGE THROUGH STUDY GROUPS



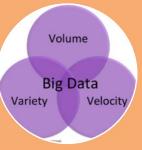
EMERGENCY
TELECOMMUNICATION
S PROJECT
IMPLEMENTATIONS:

- SETTING UP EARLY WARNING SYSTEMS
- ESTABLISHMENT OF EMERGENCY COMMUMICATION INFRASTUCTURE



CAPACITY BUILDING:

- USE OF ICT FOR EMERGENCY RESPONSE
- ESTABLISHMENT OF EMERGENCY COMMUMICATION INFRASTUCTURE
- POLICY DEVELOPMENT AND IMPLEMENTATION



CONCEPT PROJECT IMPLEMENTATIONS:

- ICT APPLICATIONS FOR EMERGENCY RESPONSE (EPIDEMIC, NATURAL DISASTERS, ETC)
- BIGDATA STORAGE INFRASTRUCTURE



EMERGENCY RESPONSE:

- DEPLOYMENT OF EMERGENCY TELECOMMUNICATI ON SYSTEMS DURING EMERGENCIES
- EXPERT SUPPORT
 ON SITE FOR
 COMMUNICATION
 RESTORATION



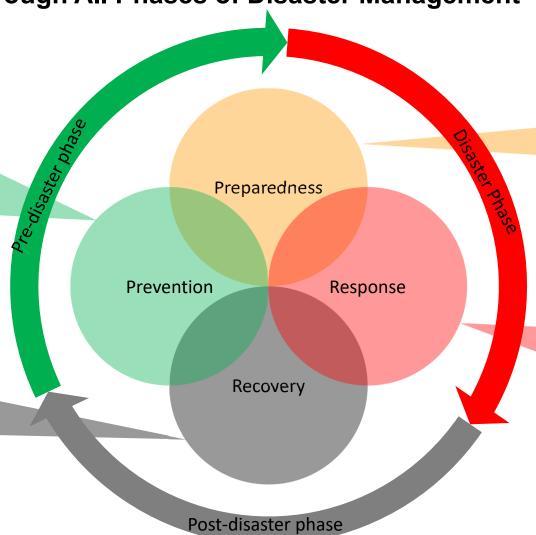


Support Through All Phases of Disaster Management

BUENOS AIRES 2017
9-20 October

- NETP development
- Policy and/or regulation review and/or development
- Project implementations
- Capacity building

- Infrastructure recovery assistance
- Advisory and technical assistance
- Resource deployment



- Early Warning Systems
- Resource deployment

- Advisory and technical assistance
- Resource deployment
- Damage assessment and reporting





Assistance Types and Examples





DEPLOYMENT OF RESOURCES



DEPLOYMENT OF EMERGENCY TELECOM EQUIPMENT WHEN DISASTERS STRIKE



PROJECT IMPLEMENTATION



SUPPORT OF UN, NGOs AND OTHERS THROUGH LICENSING AND FREQUENCIES ASSIGNMENTS



POLICY AND REGULATION



SETTING UP TELEMEDICINE FACILITIES FOR EASY DELIVERY OF HEALTH SERVICES

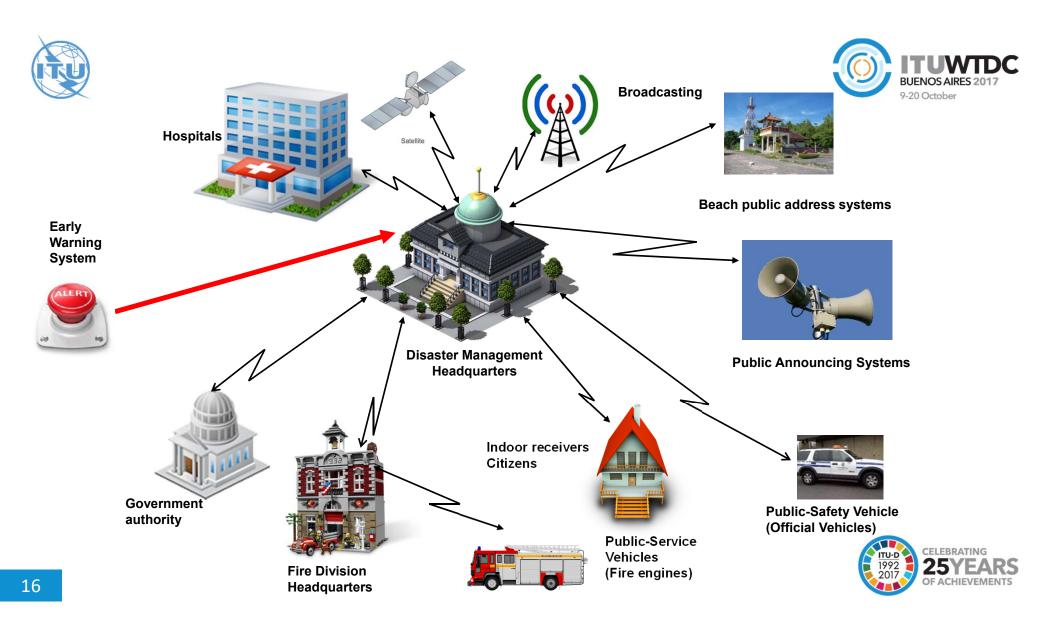


CAPACITY BUILDING



ASSESSMENT OF NETWORK DAMAGES AND REHABILITIATION









The Assistance Request Processes ... 1

Request for Emergency Response Assistance – Member State

- Member State writes to ITU requesting an assistance
- An agreement is negotiated and signed between ITU and the Member State
- ITU delivers equipment and assigns human resources to the assistance for the Member State
 - ITU pays for freight charges to and from the beneficiary Member State
 - · ITU provides satellite terminals and phones
 - ITU pays for the airtime charges limited usage up to 2000 USD per device
 - ITU assigns resources to support the deployment

Request for Cooperation – Project Implementation

- Member State writes to ITU requesting an assistance
- An agreement is negotiated and signed between ITU and the Member State (sometimes other partners)
- ITU and Member State allocate contributions for the project implementation







The Assistance Request Processes ... 2

Request for Emergency Response Assistance – UN Agency

- UN Agency writes to ITU requesting an assistance
- An agreement is negotiated and signed between ITU and the UN Agency
- ITU delivers equipment and assigns human resources to the assistance action
 - ITU pays for freight charges to and from the UN Agency Office
 - ITU provides satellite terminals and phones
 - ITU pays for the airtime charges limited usage up to 2000 USD per device
 - ITU assigns resources to support the deployment
- Etc.



ITU ASSISTANCE

IN EMERGENCY TELECOMMUNICATIONS









ITU Framework for Cooperation in Emergencies (IFCE)

Technology Partners

- Satellite Operators and Service Providers
- Earth Station Operators
- Telecom Operators
- GIS and Remote Sensing Operators
- Radio
 Communication
 Equipment
 Providers

Financial Partners

- Governments
- Private Sector
- Development Banks
- Regional Economic Groups
- Philanthropic foundations
- International Organizations

Logistics Partners

- International Couriers
- Air-Transport
 Operators
- National Airlines
- International Organizations







THANK YOU

