CAP

from an
ITU Perspective

Online CAP Implementation Workshop, 29-30 September 2020

ITU Membership

- Specialized United Nations (UN) Agency for Telecommunications/Information and Communication Technologies (ICTs).

193 MEMBER STATES

800 SECTOR MEMBERS

140 ACADEMIA MEMBERS

3 SECTORS →

| Standardization |
| Radiocommunication |
| Development |

→ Each sector has separate mandate, but all work cohesively towards connecting the world
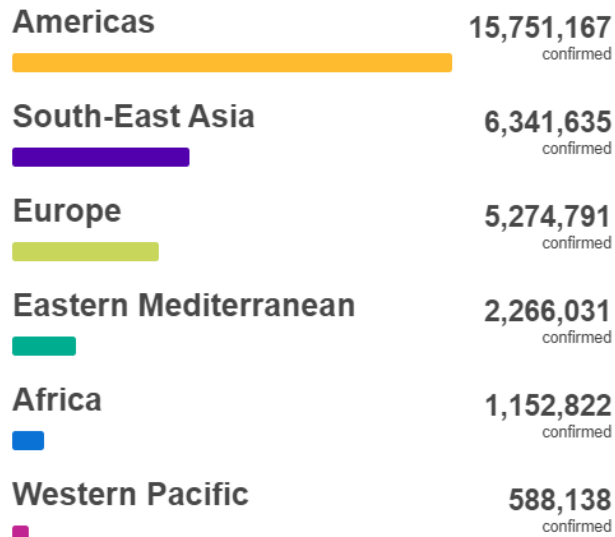
Covid-19 and other related disasters

Over the years, the world has been exposed to different challenges posed by natural hazards including pandemics, such as the one we have been facing throughout this year, COVID 19.
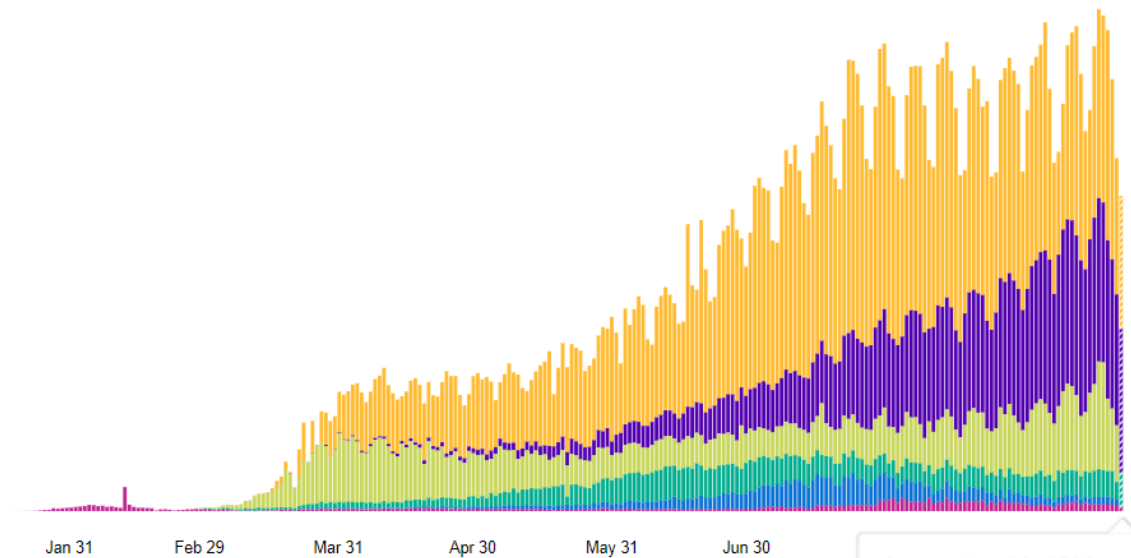

WHO Coronavirus Disease (COVID-19) Dashboard
Data last updated: 2020/9/23, 12:21pm CEST

Americas	15,751,167	confirmed
South-East Asia	6,341,635	confirmed
Europe	5,274,791	confirmed
Eastern Mediterranean	2,266,031	confirmed
Africa	1,152,822	confirmed
Western Pacific	588,138	confirmed

Source: World Health Organization
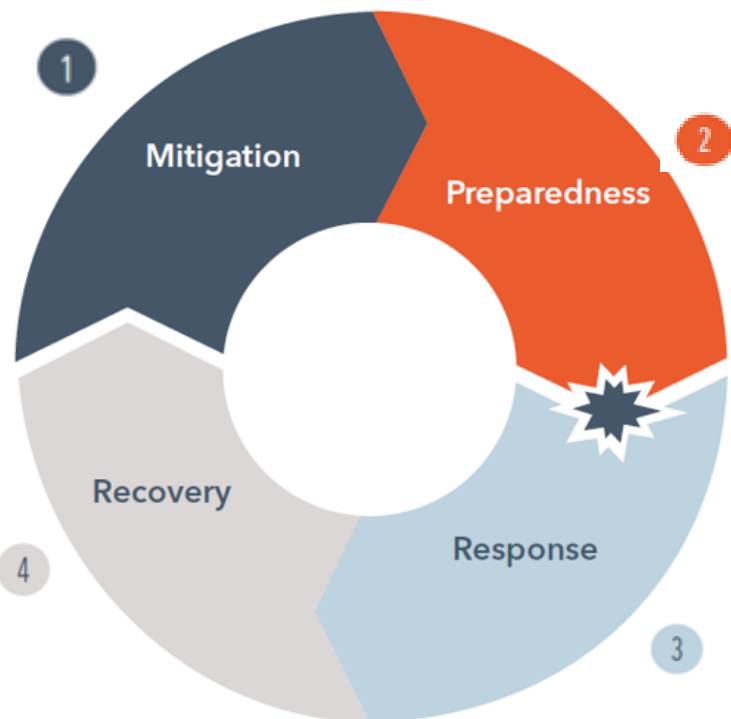Data may be incomplete for the current day or week.

September 23, 2020

84,250 Americas
90,884 South-East Asia
22,117 Eastern Mediterranean
2,239 Western Pacific

In 2019
- **396** disasters
- Over **95 million** people affected
- Over **103 billion** USD in economic losses

Source EM-DAT

The critical role of ICTs ...

Mitigation cycle diagram

1 Mitigation
- Hazard and vulnerability assessment and mapping
- Data collection, recording and analysis
- Awareness raising and education campaigns
- Development of policies and legislation
- Development of regulatory frameworks
- Allocation of financial resources
- Establishment of public-private partnerships

2 Preparedness
- Development and implementation of National Emergency Telecommunication Plans
- Development of Standard Operating Procedures
- Implementation of Early Warning Systems
- Capacity building and training exercises
- Information and knowledge sharing
- Implementation and use of new technologies
- Preparation of back up energy systems
- Use of satellite imagery

3 Response
- Establishment of ICT solutions and links for first responders
- Provision of ICT solutions for inter-agency coordination
- Damage and needs assessment
- Provision of telecommunication facilities to affected population
- Importation of equipment

4 Recovery
- Build resilient ICT infrastructure
- Restore telecommunication infrastructure and services
- Restore public sector operations
- Identify best practices and lessons learned

The Covid-19 crisis has demonstrated the essential role of connectivity worldwide and the importance of having a robust, resilient, and secure telecommunications/ICT infrastructure to social welfare, the global economy and for coordination mechanisms to respond to it.
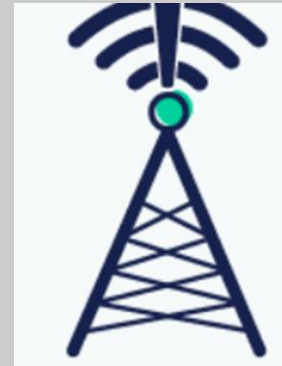
Therefore...ICTs are a critical enabler to build capacity to anticipate, to mitigate and to prepare for response so that hazards do not lead to disasters.

Challenges..

Despite the considerable progress made in advancing access to digital information and communication systems worldwide, reaching vulnerable groups in societies continues to be a challenge.

- Lack of affordable and reliable connectivity and services delivered specially in rural areas
- Lack of financial resources to invest in ICT infrastructure
- Lack of strong public/private partnerships to help address those challenges
- Lack of literacy at a community level

ITU's work...

To help countries overcome those challenges, ITU has worked on developing:

1. Guidelines for National Emergency Telecommunication Plans
2. Guidelines to develop an ICT contingency plan for a pandemic response

As well as in...

1. Providing support to develop National Emergency Telecommunication Plans - NETP

What is a NETP?

*A NETP sets out the strategy to **enable and ensure communication availability** during the disaster mitigation, preparedness, response and recovery phases, by promoting coordination across all levels of government, between public and private organizations, and within communities at risk.*

Why are NETPs so important?

Better coordination for disaster management

Creates processes and procedures to identify national needs

Establishment of multi-stakeholder roles and responsibilities

Supports implementation of policy and normative requirements

Creates a framework for national consultation and cooperation

Brings together people and resources towards common objectives
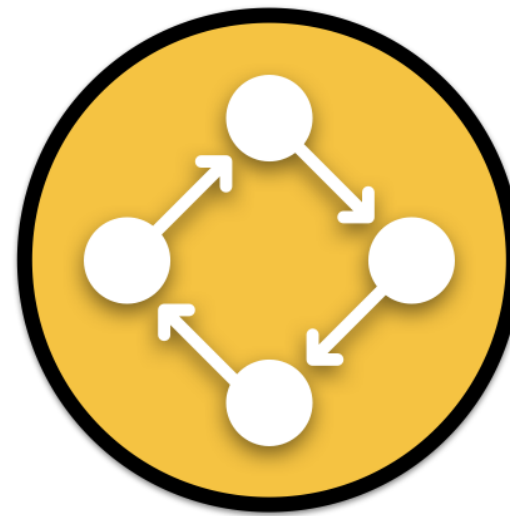
ITU's work...

Principles of a NETP

Multi-Hazard   **Multi-Technology**   **Multi-Phase**   **Multi-Stakeholder**

CAP at ITU

Multi-Phase

Preparedness: delivering early warnings and alerts before the emergency or disasters
Response: delivering information messages to affected population in the aftermath of disasters

| Hazards | Common Alerting Protocol | Communication channels | Actions |

Multi-Hazard

Risk assessment
Vulnerability map
Data collection and analysis

Multi-Technology

All technologies available to deliver early warning alerts through multiple channels to communities at risk

Multi-Stakeholder

Reaching all stakeholders but also communities at risk allowing them to take early actions to save their lives and livelihoods

CAP at ITU

The CAP standard is being leveraged worldwide to greatly improve emergency alerting so that people at risk receive timely and appropriate messages that enable them to take early actions in protection of lives and livelihoods.

ITU is working towards leveraging the **CAP standard** through:

1. Including CAP as one of the recommendations to be implemented in the NETPs
2. National training workshops for CAP implementation
3. Including CAP in regional and national early warning system apps
4. Online training tools delivered through the ITU Online Academy Platform
5. Joint project implementation with UNDRR and WMO

A major challenge is to help developing countries to better take advantage of the CAP standard, through coordinated, cross-agency efforts at outreach, education of communities, and the sharing of expertise.

CAP next steps…

- **CAP ARAB online workshop will be virtually held from 28 to 29 October.**

National stakeholders working on disaster management and risk reduction, including government entities will participate in this event

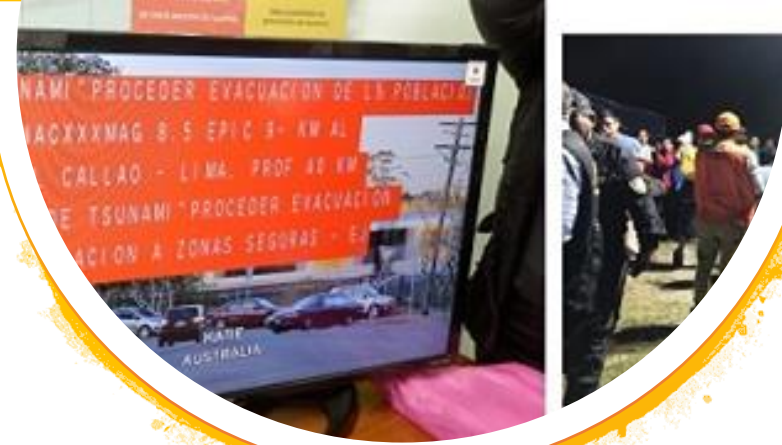- **Inclusion of CAP in national multi-hazard early warning systems.**

Perú is developing a study to include CAP in their Emergency Warning Broadcast System (EWBS).

- **More national trainings on CAP for next year**

Different countries have requested national trainings.

- **Online training module to be included in the ITU online Academy Platform.**

This online module will be available for all entities involved in disaster management at a national level, including the private sector

Thank you

Maritza Delgado

Programme Officer

ITU/DNS/EET Division

delgadod@itu.int