



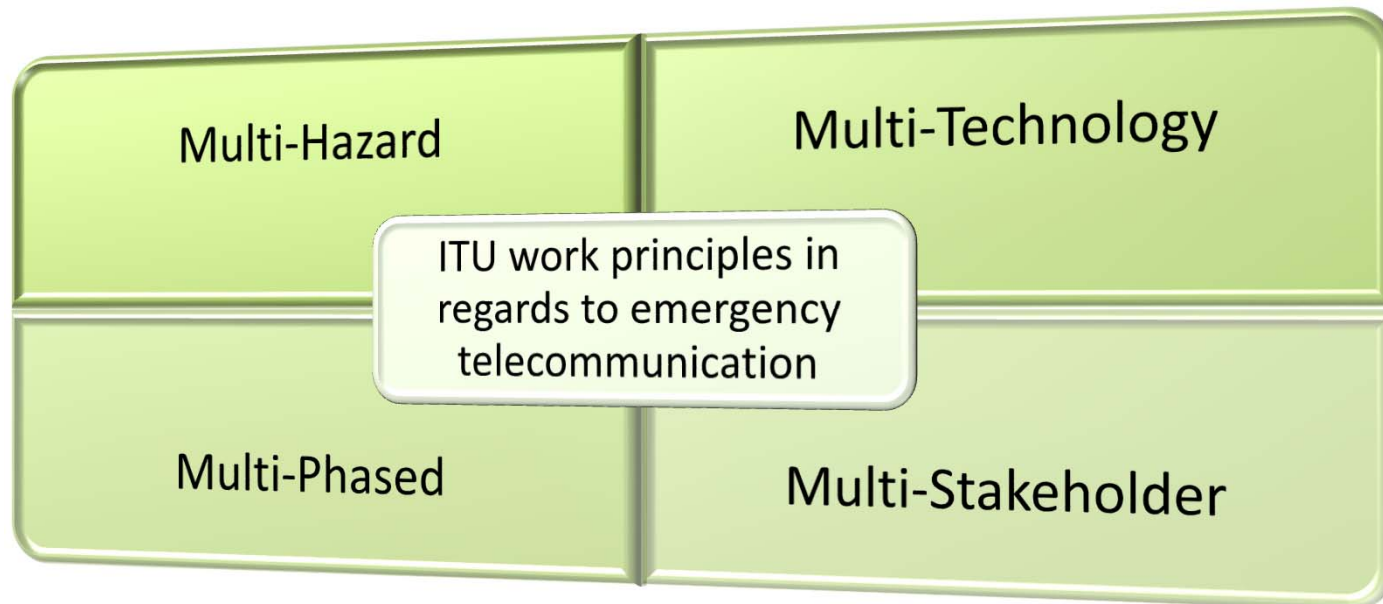
Emergency Telecommunications (ET) & National ET Plan

Pacific NETP Workshop
15-16 May 2017, Port Vila, Vanuatu

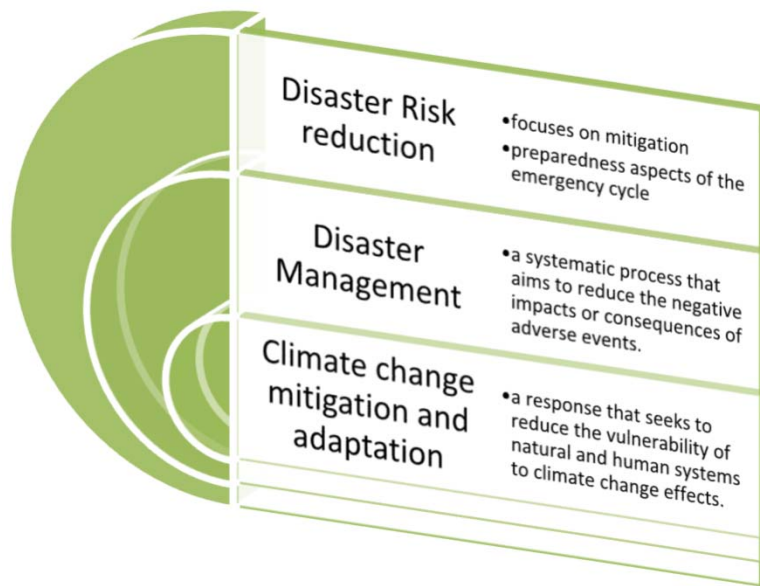
Wisit Atipayakoon
ITU Regional Office for Asia and the Pacific

ITU & Emergency Telecommunications

Emergency telecommunications is an integral part of Telecommunications Development Bureau (BDT). Emergency Telecommunications division implements **activities** related to telecommunications/ICTs in disaster management and disaster risk reduction.



ITU Areas of Action





ITU Emergency Telecommunication Assistance

During disaster ITU provides assistance with:

- Satellite Phones
- Satellite Terminals (BGANs, VSATs, etc)
- Training on Equipment if needed
- Airtime Costs
- Freight Costs to and from the country

Providing a communication equipment for the government that is critical in:

- Coordinating rescue and relief operations;
- Setting up telemedicine links between hospitals and medics in the field;
- Providing call centers where disaster victims can contact their loved ones.
- Coordinating infrastructure recovery/re-building operations.

Partners donate equipment and cash



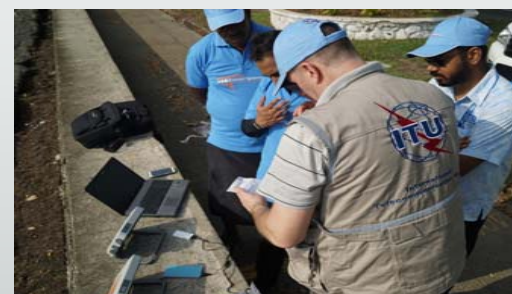
COUNTRIES RECENTLY ASSISTED BY ITU

- Fiji, Cyclone Winston, 20th February 2016
- Nepal, 7.9 earthquake, 25th August 2015
- Micronesia, Cyclone Maysak, 30th March 2015
- Vanuatu, Cyclone Pam, 13th March, 2015
- Kenya, Extreme floods, 15th May, 2015
- Mozambique, Severe flooding, 16th January, 2015
- Malawi, Severe floods, 15th January, 2015

ITU deploys emergency telecom equipment to Fiji



- Category-five Cyclone Winston crashed into Fiji Islands on February 20, 2016 bringing winds of over 325km/h, torrential rain and high sea waves.
- The Cyclone caused loss of lives and destruction to infrastructure including telecommunications, power lines and roads. Many villages have been destroyed on the island of Koro, North-East of the main island Viti Levu where the capital Suva is located.
- ITU deployed emergency telecommunication equipment in response to the Government of Fiji request for assistance.
- The emergency telecommunication equipment provided include satellite phones, satellite broadband terminals and accessories, which are being used to support relief and coordination efforts.



ITU Emergency Assistance: Philippines



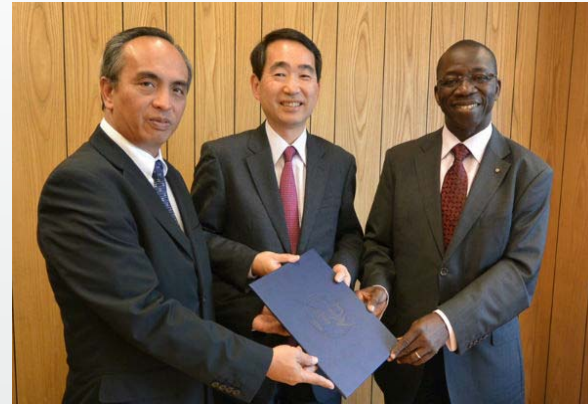
- ITU deployed satellite telecommunications equipment to be used for relief activities in areas of the Philippines severely affected by the recent Typhoon. (2014)
- ITU deployed satellite telecommunications equipment to be used for relief activities in areas of the Philippines severely affected by Typhoon Haiyan – one of the most powerful typhoons ever recorded. ITU has deployed a number of Thuraya satellite telephones, Iridium satellite phones, Inmarsat satellite phones, Inmarsat Broadband Global Area Network terminals, VSAT Terminals and QUALCOMM Deployable Base Station. (December 2013)





Deployment of MRDUS: ITU-Japan-Philippines

- Philippines and Japan along with ITU signed a cooperation agreement for the development of a Movable and Deployable ICT Resource Unit (MRDU) that can be deployed in areas to provide broadband communications before, during and the conduct of relief operations after natural disasters.
- MDRU can be quickly deployed to restore communications in communities in the aftermath of a disaster. The unit is self-reliant running on its own power source and/or is able to harness other power sources such as power generators or local active power lines. The unit is in its final R&D phase.
- The MDRU is approximately the same size as a 12-foot-long shipping container. It is equipped with an array of communications equipment, servers, storage devices, and designed to bring not only a communications infrastructure but also data center functions to a disaster-stricken area in a very short time.

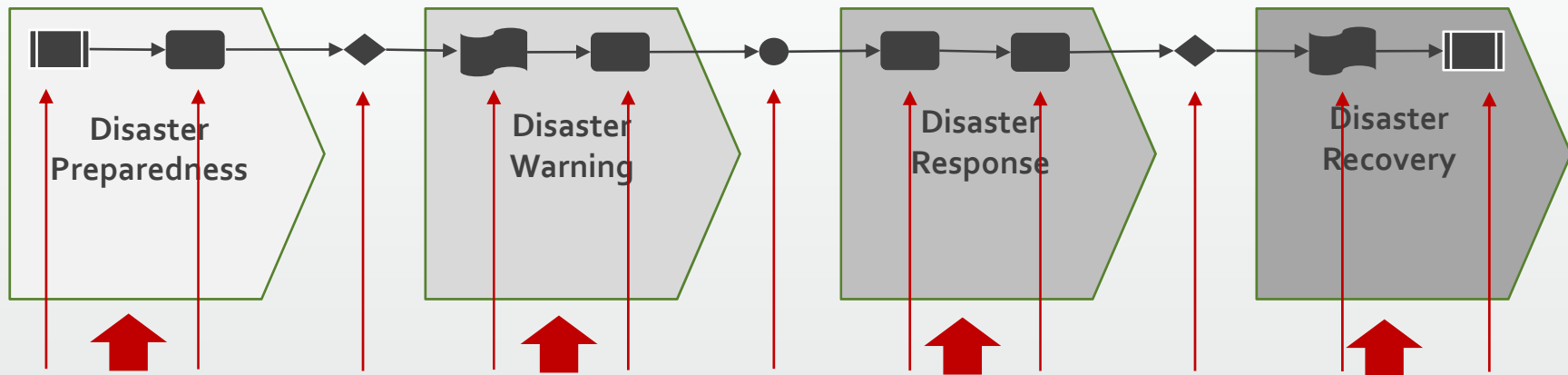


Disaster Management Phases



National Disaster Management Plan
National Disaster Management Organization (NDMO)

Disaster Management Business Process / Workflow



ICTs | Telecommunications | ICTs | Telecommunications | ICTs



National Disaster Management Plan

National Disaster Management Organization (NDMO)

Key Areas

Resource
Inventory

ICT
Infrastructure

Human
Capacity
Building

Procedural
Measure

Coordination/
Cooperation
Mechanism

Institutional
Arrangements

Stakeholder
Engagement &
Outreaching

Funding
Mechanism

ITU Project Proposal on NETP Development

- Proposal to Australia
- Expected outputs:
 - Case studies
 - NETP development framework / guidelines
 - NETP development in three countries of the Pacific
 - Human capacity building
- **Key stakeholders:** NDMO, national telecommunication regulatory authority, ministry of communications/ICT
- **Timeframe:** 2017 - 2018

The logo for ITUU (International Telecommunications Union) is centered on the slide. It features a stylized globe with latitude and longitude lines, overlaid with a network of lines and arrows, symbolizing global telecommunications. The acronym 'ITUU' is written in a bold, sans-serif font across the center of the globe.

THANK YOU