



International Telecommunication Union

TELECOMMUNICATIONS **SAVE LIVES**

**Role of Information and Communication Technologies
in Disaster Reduction**

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ITU Focal Point for Emergency Communications

**Disasters kill at least one
million people each
decade and leave millions
more homeless...**

**THE DESTRUCTIVE NATURE OF
DISASTERS**

















**WHEN DISASTER
STRIKES...**

TELECOMMUNICATIONS

SAVE LIVES

WHO ARE WE?

ITU

Helping the World Communicate

189 Member States
700 Sector Members

ITU-T

Telecommunication
standardization
- network and service
aspects



ITU-R

Radiocommunication
standardization and
global radio spectrum
management

ITU-D

Assisting implementation
and operation of
telecommunications in
developing countries

DISASTER PREPAREDNESS THROUGH STANDARDS

- **STANDARDS FOR PUBLIC TELECOMMUNICATION SERVICES**
- **INTERNATIONAL EMERGENCY FOR PREFERENCE SCHEME FOR DISASTER RELIEF (Recom. E.106)**
- **GLOBAL NETWORK SECURITY**
- **INTEROPERABILITY OF TELECOM. NETWORKS**



DISASTER MITIGATION THROUGH RADIOCOMMUNICATION

- **SPECTRUM MANAGEMENT**
- **ESTABLISHMENT OF GLOBALLY/REGIONALLY
HARMONIZED FREQUENCY BANDS**
- **APPLICATION OF AMATEUR AND AMATEUR-SATELLITE
SERVICES (Rec. M. 1042-2)**
- **SUPPORT TO EMERGENCY BROADCASTING, MARITIME AND
PUBLIC SAFETY SIGNALS**

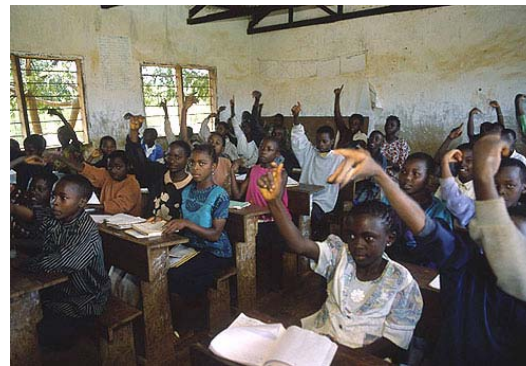


PREPAREDNESS AND RESPONSE THROUGH ICT DEVELOPMENT

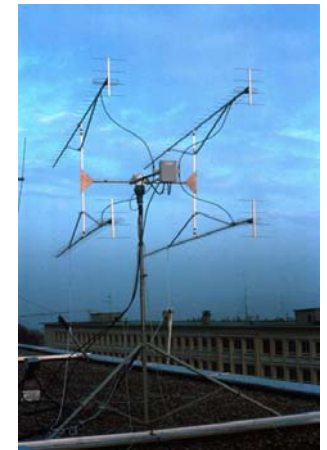
1. **DESIGN TELECOMMUNICATIONS PROJECTS INCORPORATING DISASTER MITIGATION FEATURES**
2. **ADDRESS LEGAL AND REGULATORY ISSUES (TAMPERE + GSR)**
3. **PROMOTE UNIVERSAL ACCESS (E.G. COMMUNITY TELECNETRES)**
4. **PARTNERING FOR DISASTER REDUCTION (E.G. INMARSAT, WGET, OCHA, IARU, RHODE & SCHWARZ)**



Global Symposium for Regulators, 2003



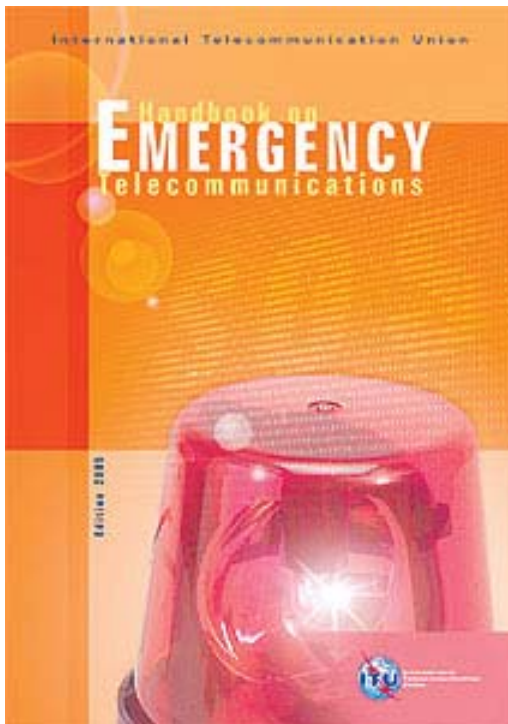
Refugees from Rwanda and Burundi, Mkwaga Camp, Kibondo, Tanzania.



Antenna of an amateur radio station on the ITU building roof in Geneva

ITU's NEW INITIATIVES FOR DISASTER MITIGATION

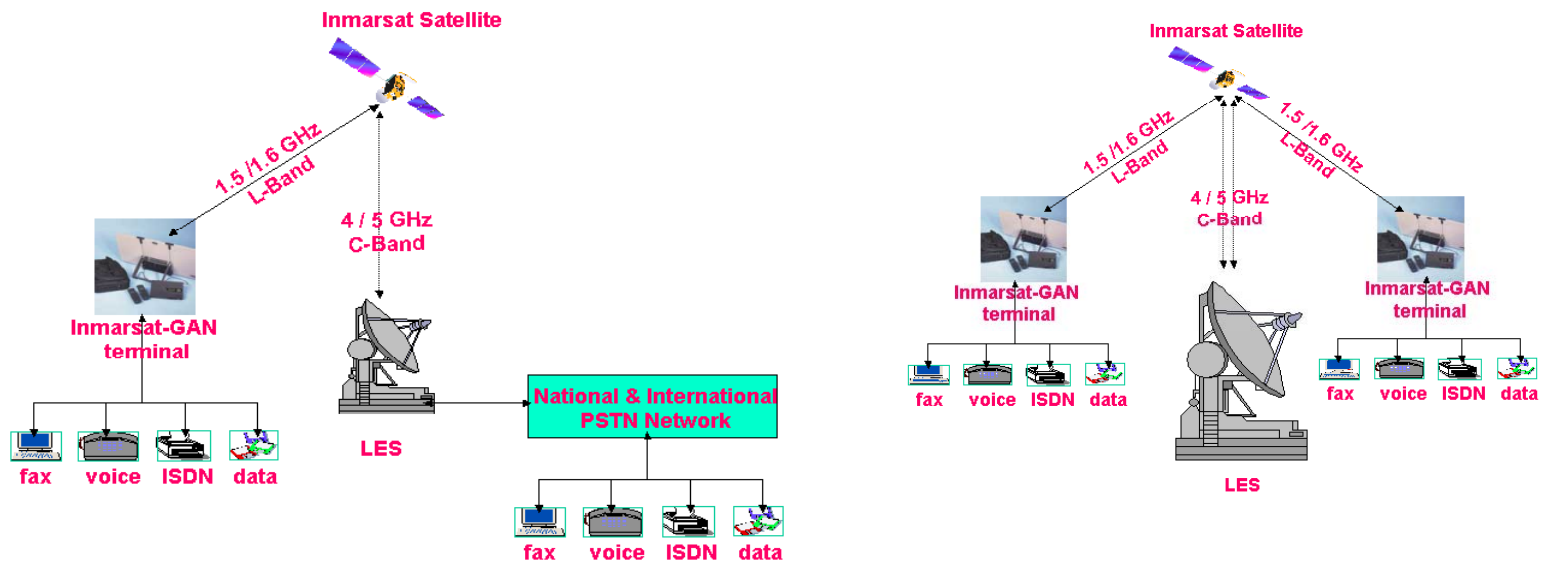
Launch of Handbook on Emergency Telecommunications



A sustained effort to provide instant and up to date information to agencies providing humanitarian assistance

ITU's NEW INITIATIVES FOR DISASTER MITIGATION

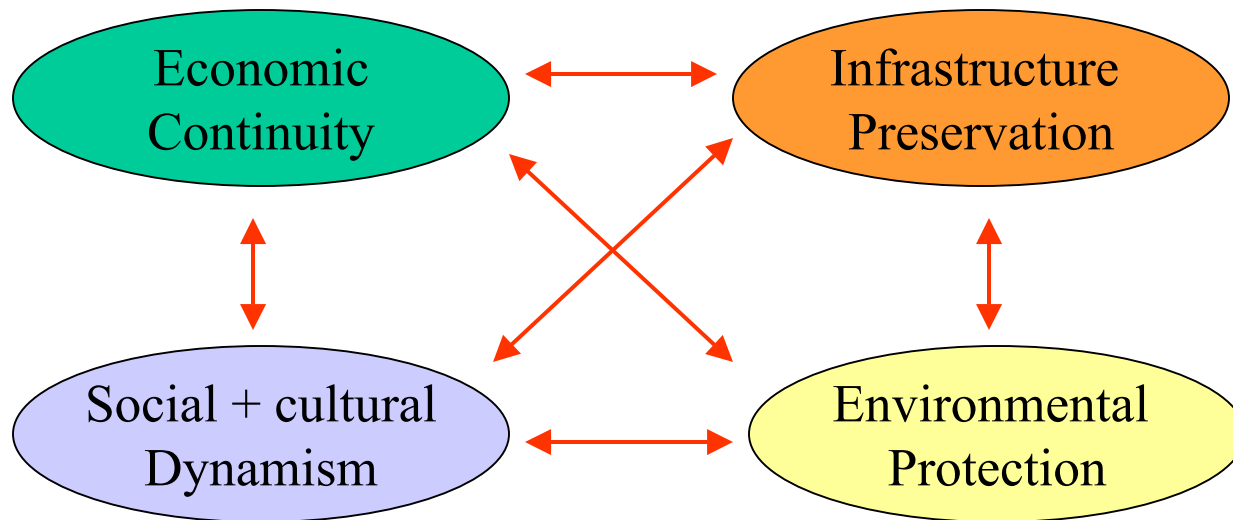
LAUNCH OF PARTNERSHIP WITH INMARSAT LIMITED



Timely deployment of Satellite Terminals when disaster strikes

CONCLUDING REMARKS (1)

ITU Seeks to Engender Sustainable Development



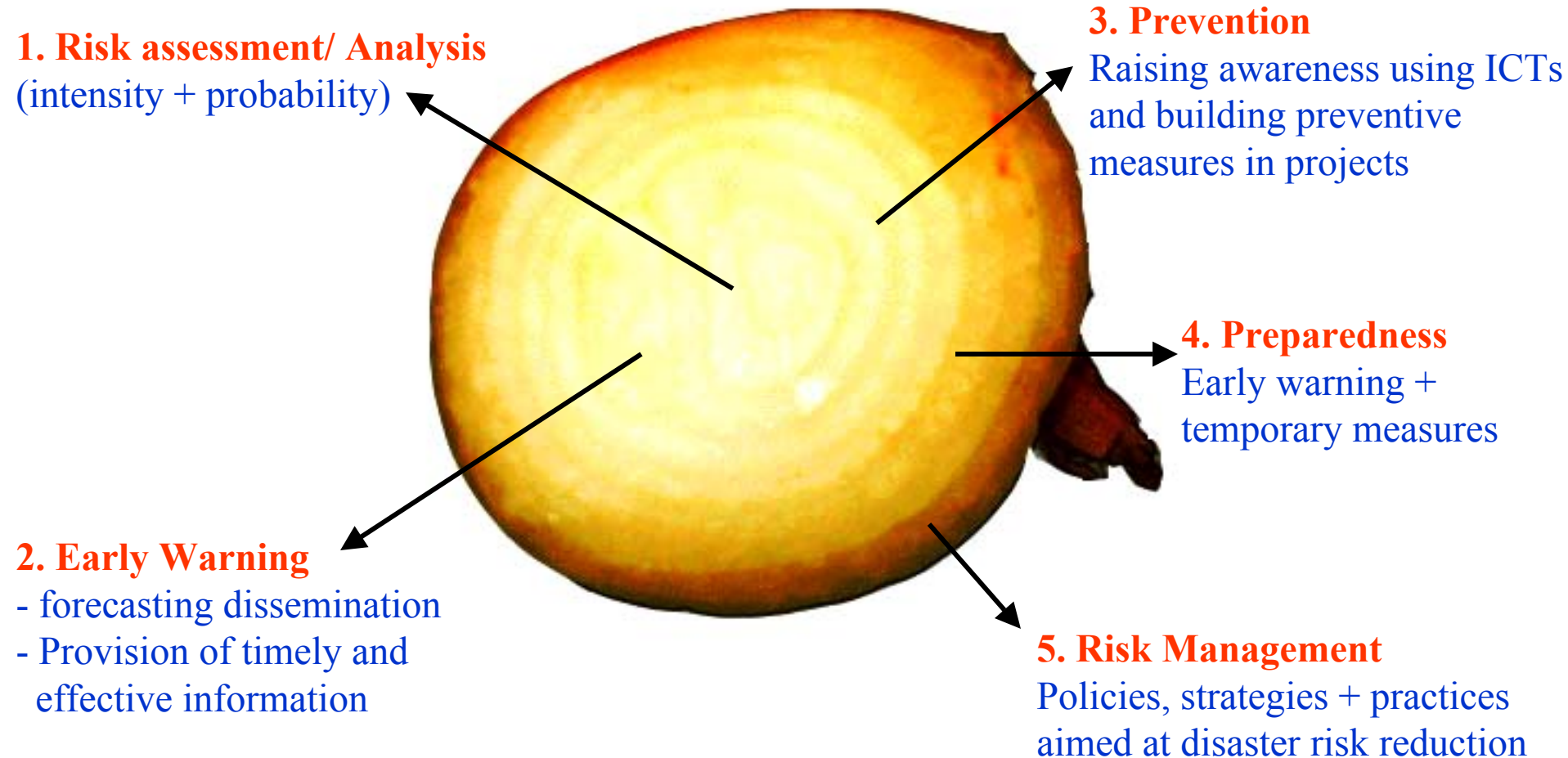
S1-2E MODEL

There is no meaningful development without disaster prevention and preparedness

CONCLUDING REMARKS (2)

ITU's COMPLETE PACKAGE TO DISASTER REDUCTION

The Mitigation Onion Layer Approach (MOLA)



CONCLUDING REMARKS (3)

ITU's Contributes to the Goals of the World Summit on the Information Society (WSIS)



We seek to establish monitoring systems, using ICTs, to forecast and monitor the impact of natural and man-made disasters, particularly in developing countries, LDCs and small economies. WSIS Plan of Action (C7:20(c))

TOGETHER WE CAN MAKE A DIFFERENCE





International Telecommunication Union

THANK FOR YOUR ATTENTION

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