



**International Telecommunication Union**

# **TELECOMMUNICATIONS **SAVE LIVES****

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

**Kobe, Japan, 18-22 January 2005**

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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**

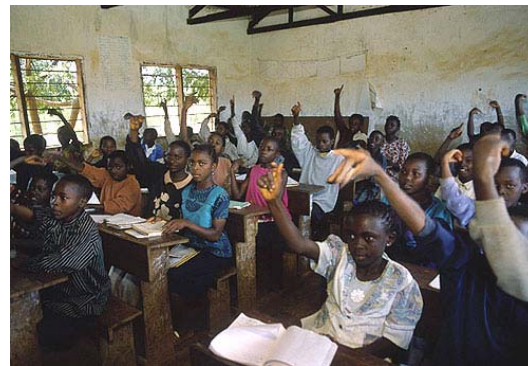


# PREPAREDNESS AND RESPONSE THROUGH ICT DEVELOPMENT

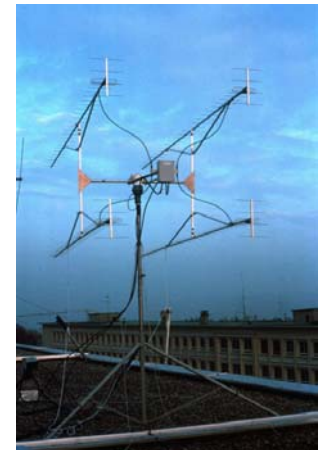
1. DESIGN TELECOMMUNICATIONS PROJECTS INCORPORATING DISASTER MITIGATION FEATURES
2. ADDRESS LEGAL AND REGULATORY ISSUES (TAMPERE + GSR)
3. PROMOTE UNIVERSAL ACCESS (E.G. COMMUNITY TELECNETRES)
4. PARTNERING FOR DISASTER REDUCTION (E.G. INMARSAT, WGET, OCHA, IARU, RHODE & SCHWARZ)



Global Symposium for Regulators, 2003



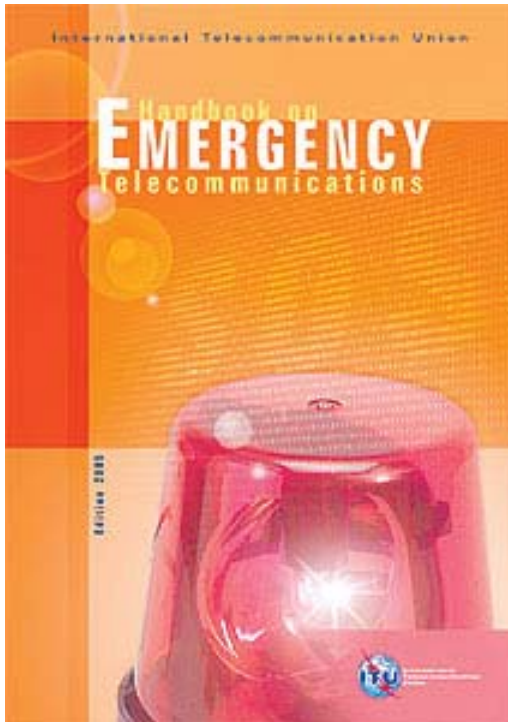
Refugees from Rwanda and Burundi, Mkwaga Camp, Kibondo, Tanzania.



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

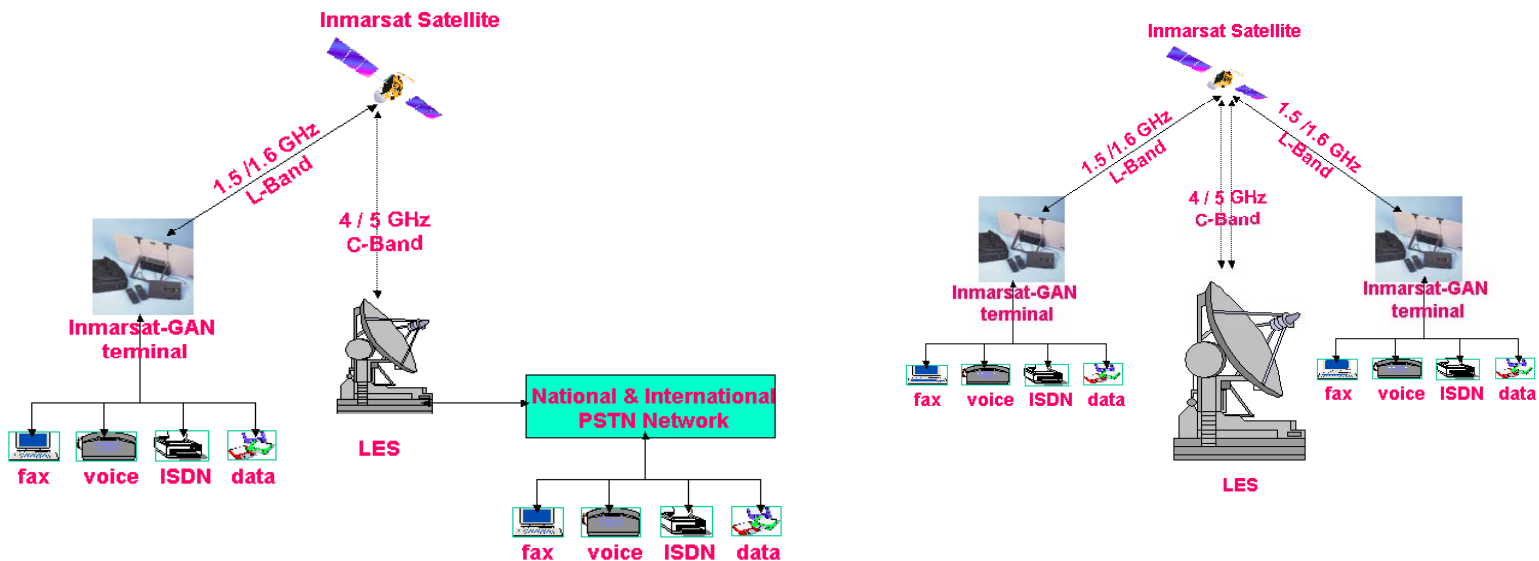


A sustained effort to provide instant and up to date information to agencies providing humanitarian assistance



# ITU's NEW INITIATIVES FOR DISASTER MITIGATION

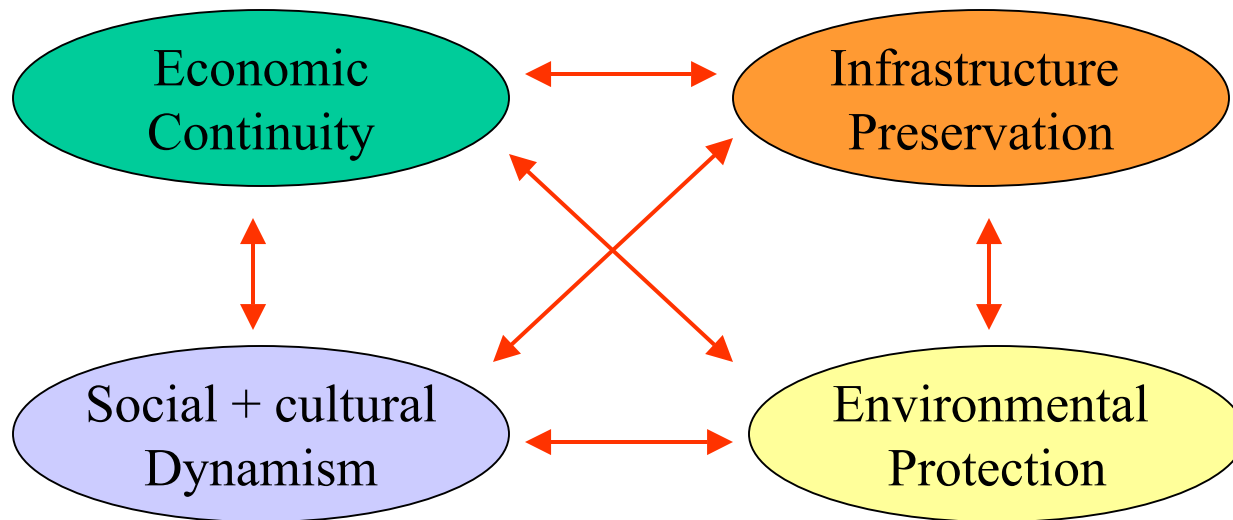
## LAUNCH OF PARTNERSHIP WITH INMARSAT LIMITED



Timely deployment of Satellite Terminals when disaster strikes

# CONCLUDING REMARKS (1)

## ITU Seeks to Engender Sustainable Development



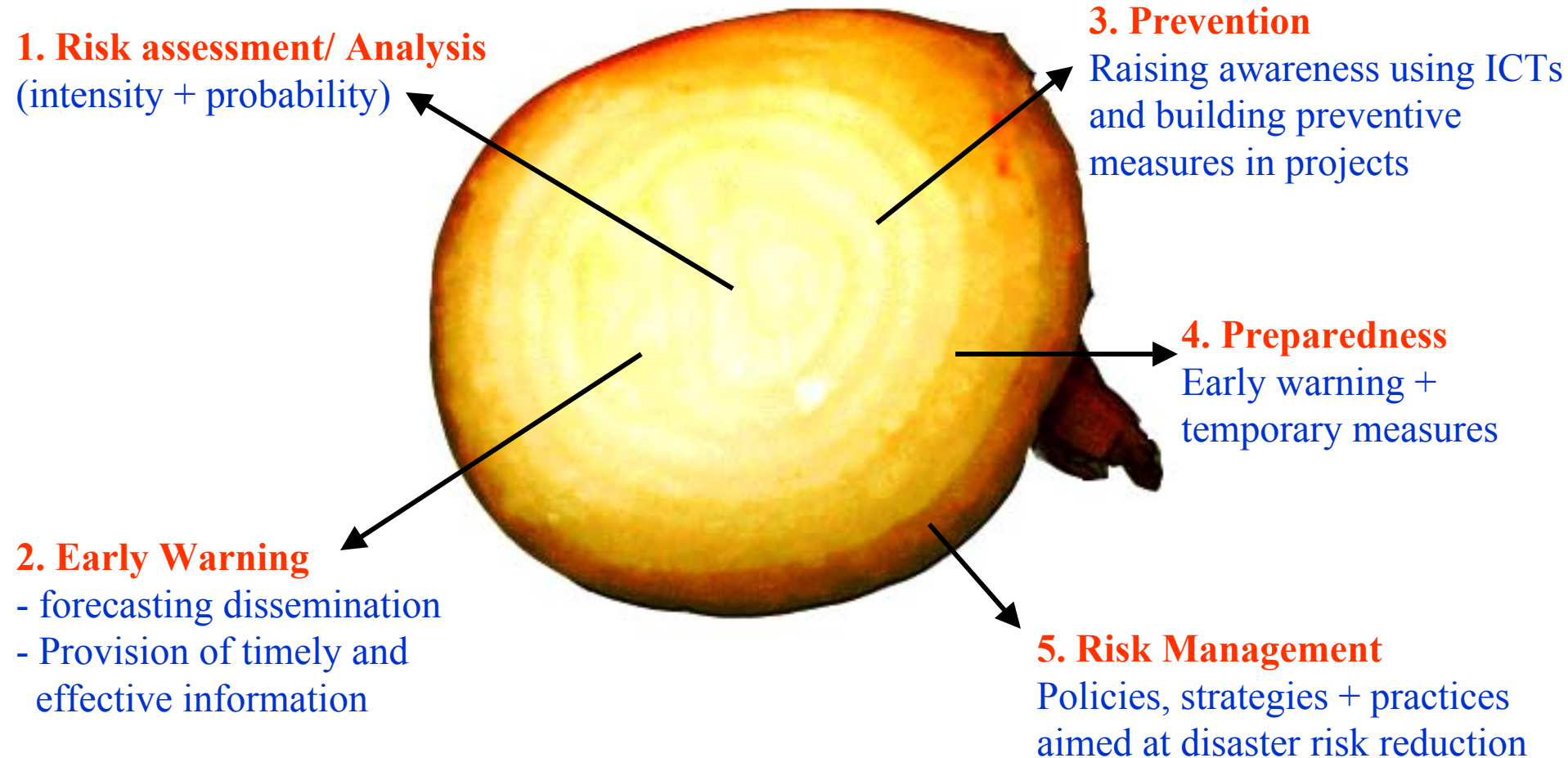
### S1-2E MODEL

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 Contribution 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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