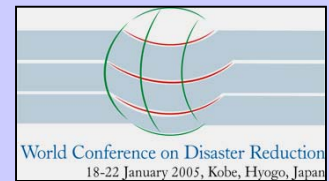


World Conference on Disaster Reduction

Thematic Segment – People-Centered Early Warning Systems

21 January 2005



Early Warning within the ISDR Global Wildland Fire Network: Building of Community-Based Capacities

Johann G. Goldammer

Global Fire Monitoring Center (GFMC)



UN International Strategy for Disaster Reduction (ISDR)

Wildland Fire Advisory Group

Global Wildland Fire Network





Objective of this presentation

- **Quick overview on the ISDR Global Wildland Fire Network**
- **Community-Based Fire Management**
- **Advanced Training on Early Warning and Monitoring**
- **Development of the International Wildland Fire Accord**

The ISDR Global Wildland Fire Network



Objectives of the Network (I):

- Promote dialogue, create synergies and share knowledge and resources between nations / regions and the international community, including Early Warning
- Work through Regional Wildland Fire Networks
- Promotion of formal agreements on cooperation in wildland fire management between countries (bilateral, multilateral)
- Development of standards and a common terminology

The ISDR Global Wildland Fire Network



Objectives of the Network (II):

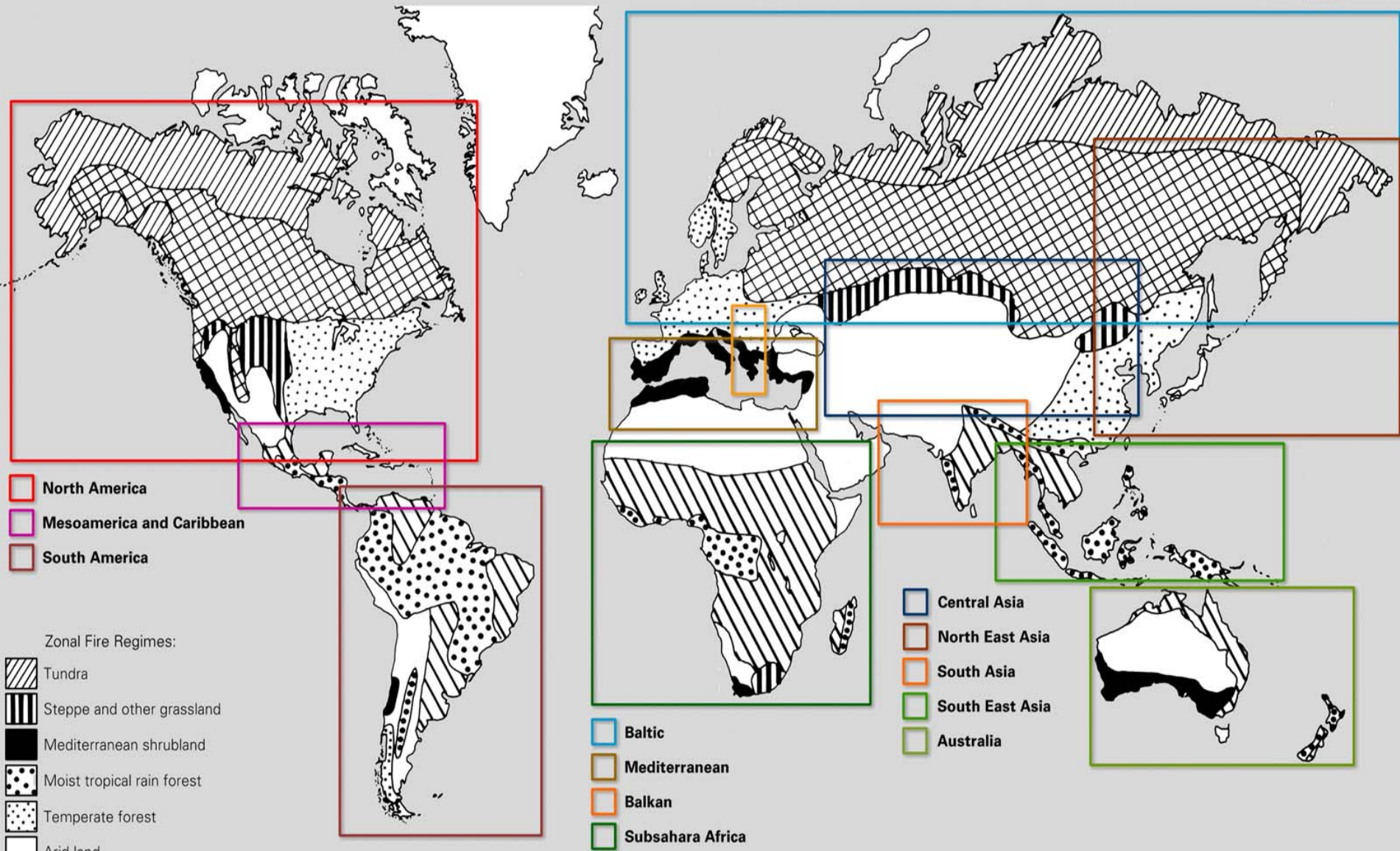
- Joint fire management training
- Capacity building with local populations
- Capacity building at strategic planning / policy-making level (national, international)
- Support the Development of an International Wildland Fire Accord



Network Support: The ISDR Wildland Fire Advisory Group

- Representatives of the Regional Wildland Fire Networks
- UN Agencies: FAO, WHO, WMO, UNESCO
- UN Forum on Forests (UNFF)
- Rio Conventions (UN-CBD, UN-CCD, UN-FCCC)
- United Nations University, Institute for Environment and Human Security (UNU-EHS)

The UN-ISDR / GFMC Global Wildland Fire Network



Regions of the ISDR / GFMC Global Wildland Fire Network
 Zonal, socio-economic or political entities

Regional Wildland Fire Networks (I)



- **Regional North East Asia Wildland Fire Network**

Founded: March 2004

Consolidation Meeting:

Sendai, Japan, 18 January 2005

Host: Korea Forest

Service (with ISDR)



Members:

China

Japan

South Korea

Russia (Far East)



Regional Wildland Fire Networks (III)



- **Regional South East Asia Wildland Fire Network (ASEAN)**

ASEAN Transboundary Haze Agreement

Signed: June 2001

In Force: Nov 2003



Meeting of the ASEAN
Haze Technical Task Force (HTTF)
and
ASEAN Ministerial Meeting
on Haze (AMMH) / Conference
of the Parties (CoP)

Hanoi, Viet Nam

November 2004



Regional Wildland Fire Networks (IV)



- **Regional Subsahara Africa Wildland Fire Network**

Afrifirenet / SAFNet

Founded: July 2002



Regional Wildland Fire Networks (IV)



- **Regional Sub-Sahara Africa Wildland Fire Network**



Activities in 2004

Joint UN Inter-Agency
Training Course in
Advanced Fire Management
(June 2004)

Training Course for Instructors
in Community-Based
Fire Management (CBFiM)
(November 2004)



Prevention of Destructive Wildfires - Namibia's Approach



**HELP US
TO
PREVENT
FIRES.**



THE DIRECTORATE OF FORESTRY.

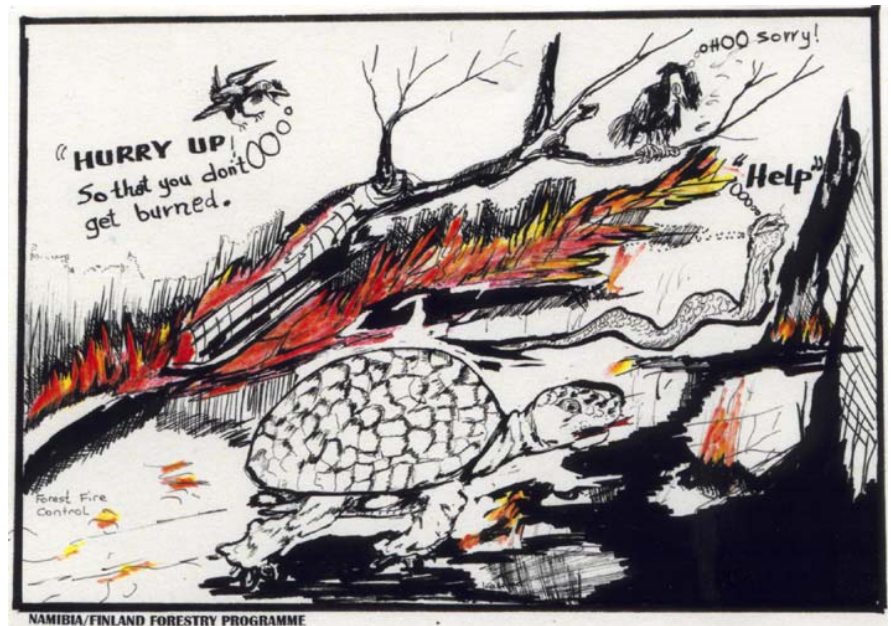
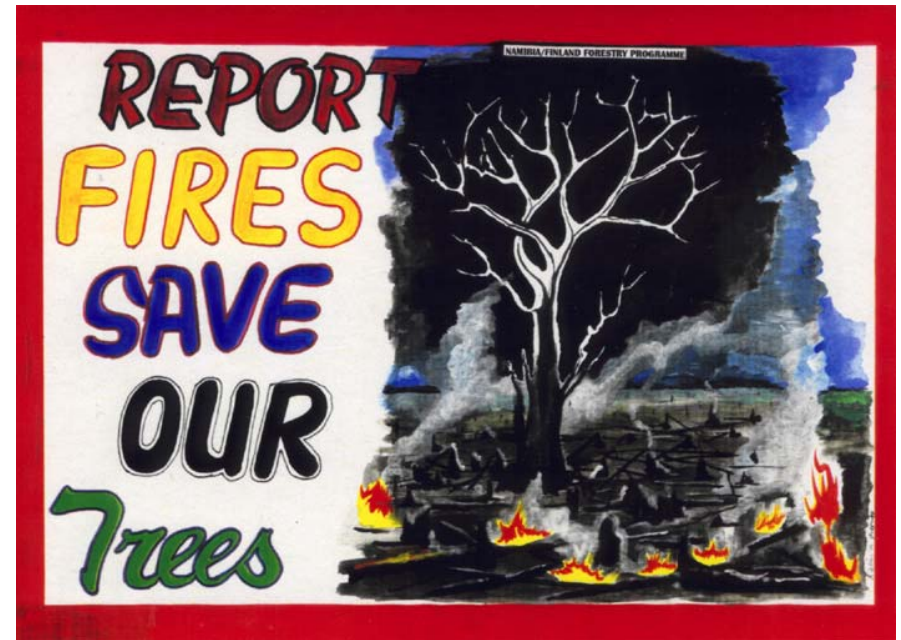
Prevention campaigns involving local artists

Numerous fire themes addressed by posters developed by the Caprivi Arts and Cultural Association (CACA)

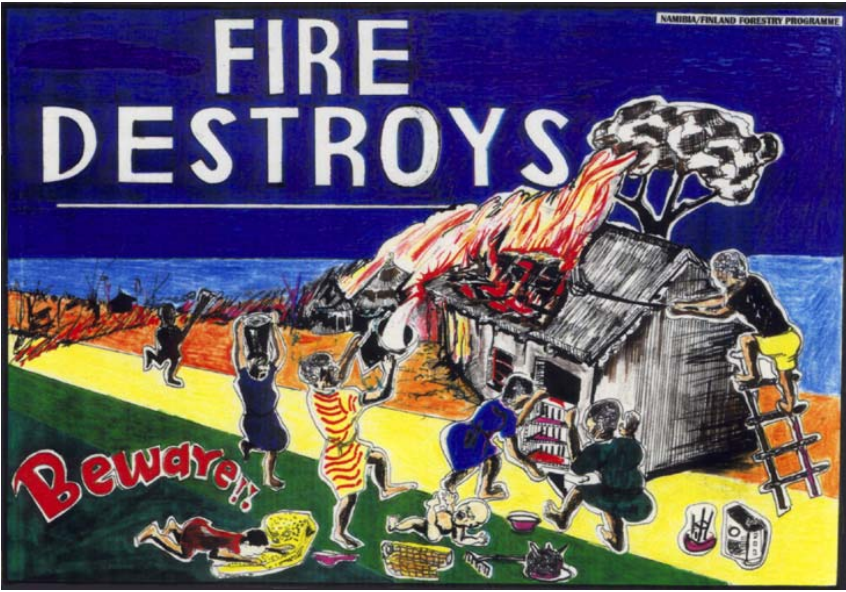
- Fire and Environment



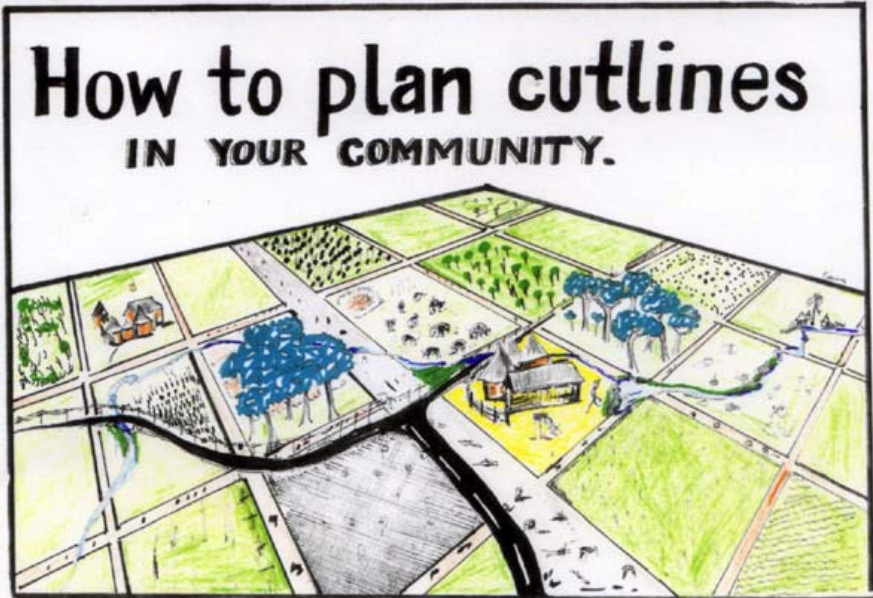
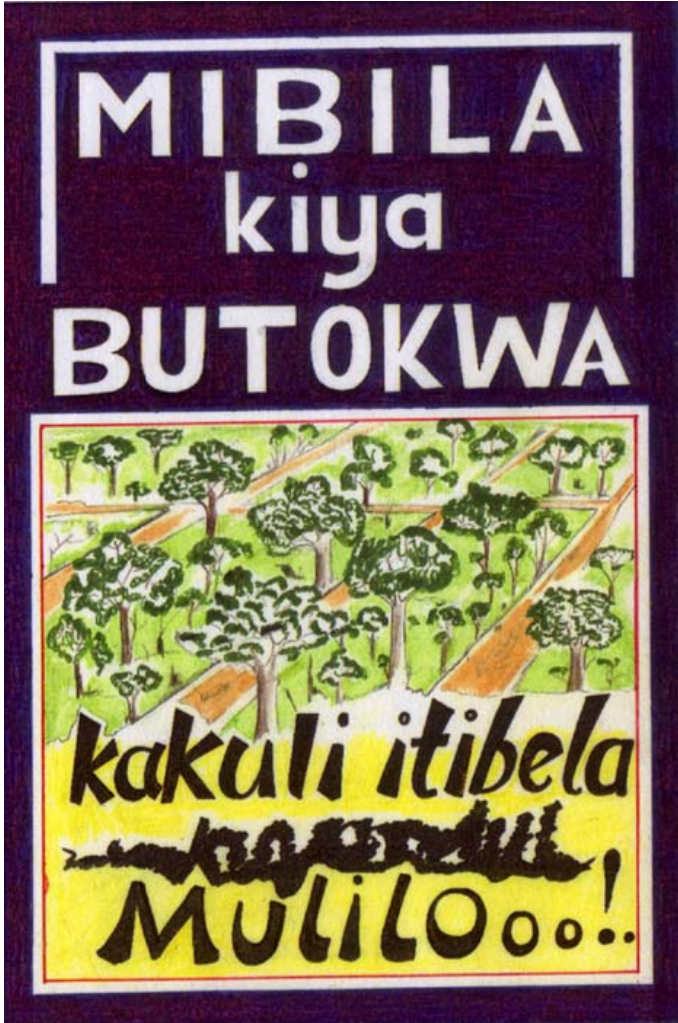
IFFM logo



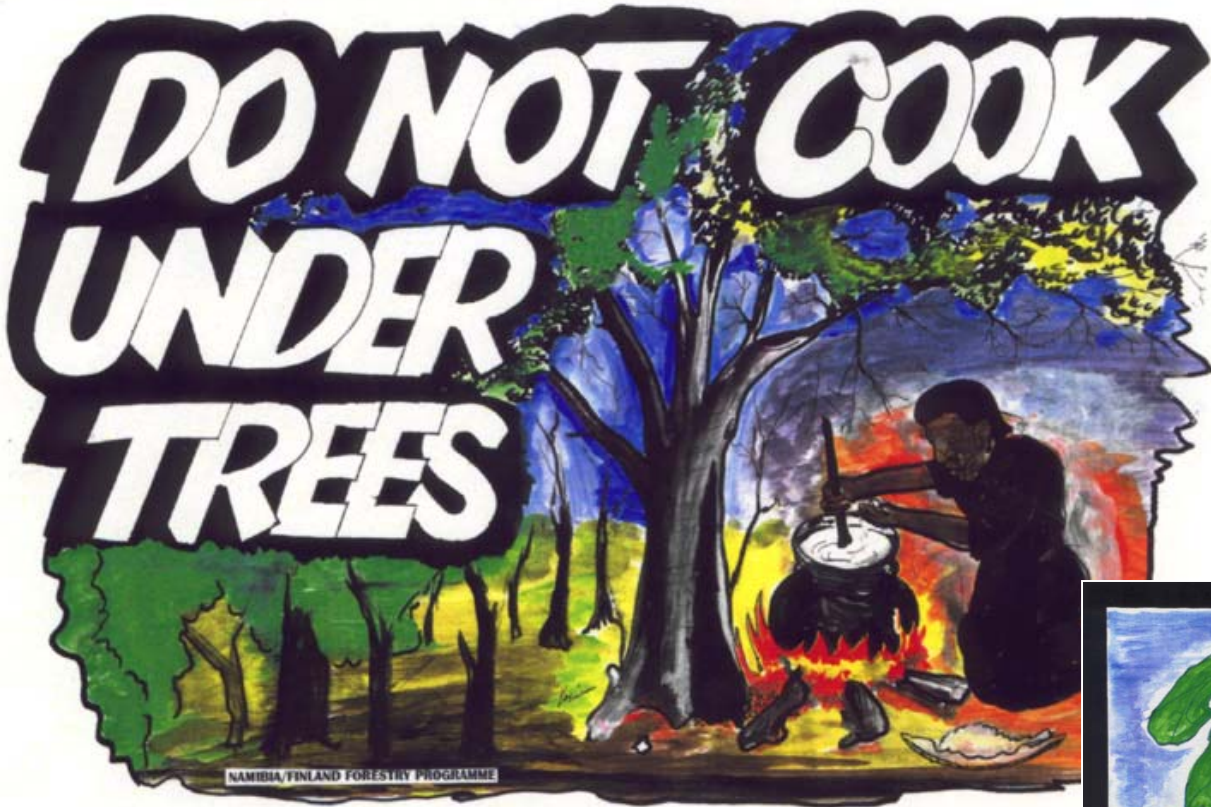
- **Endangered Property and Human Security**



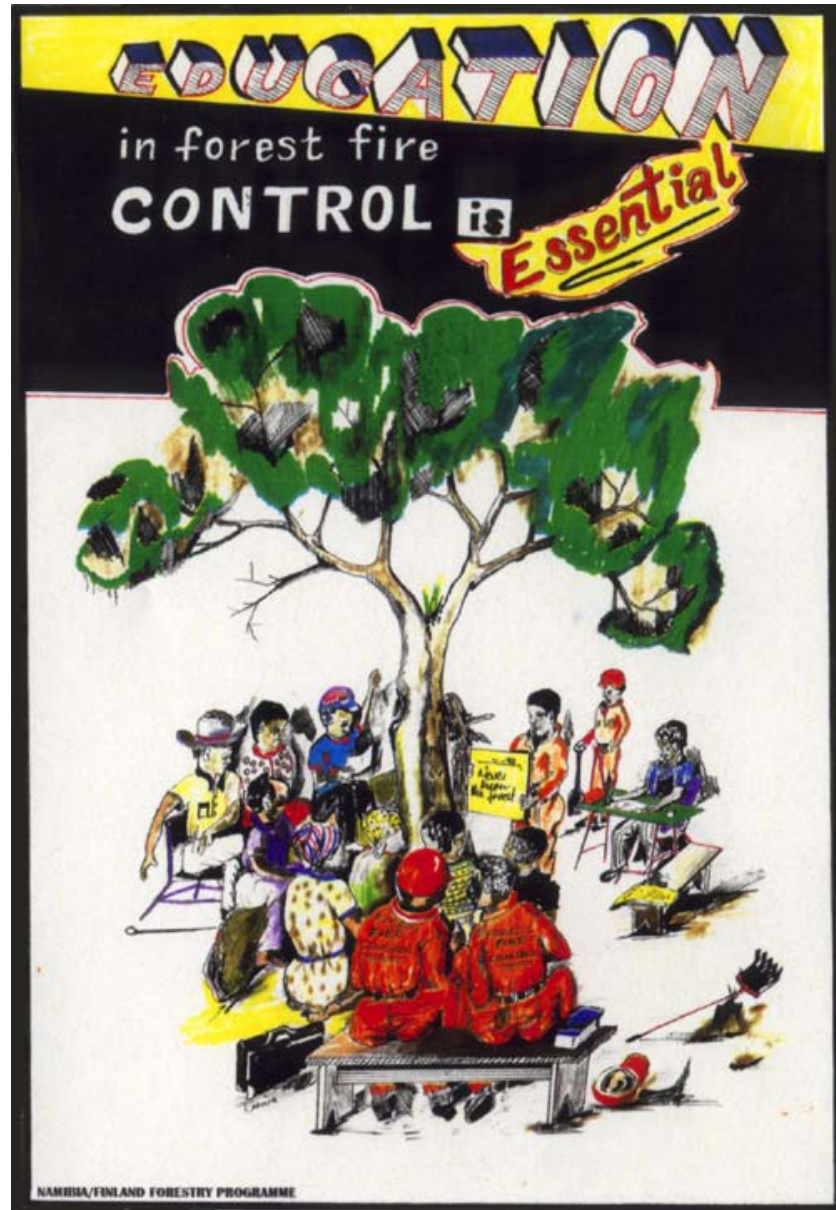
- Community Protection

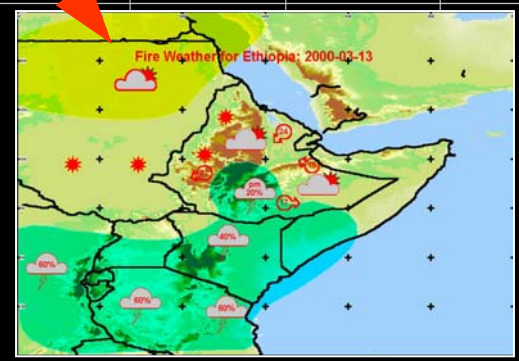
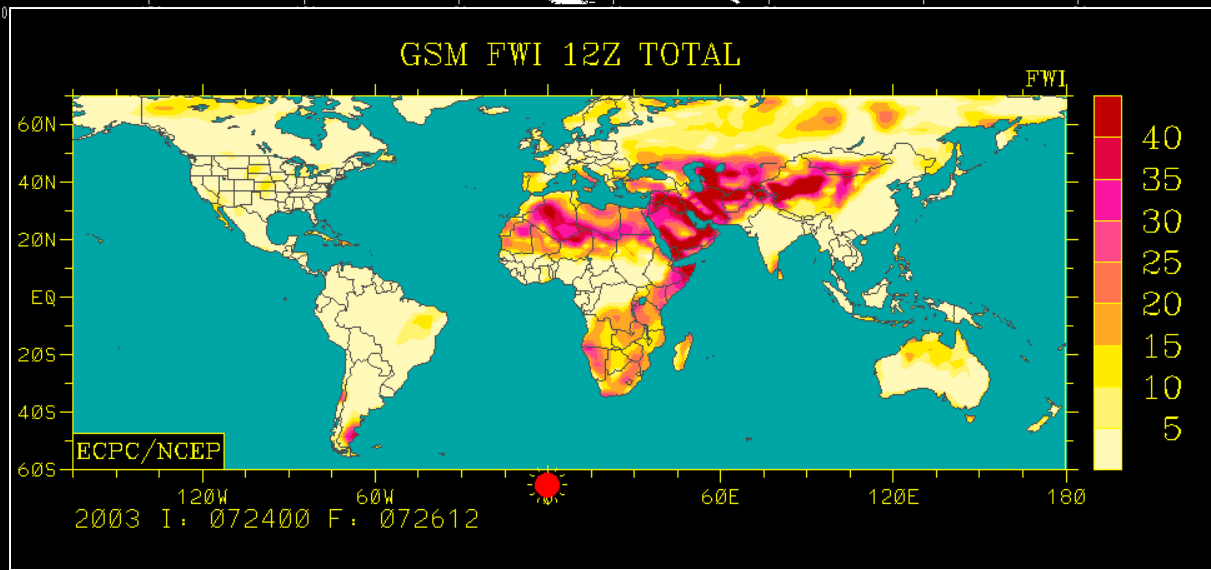
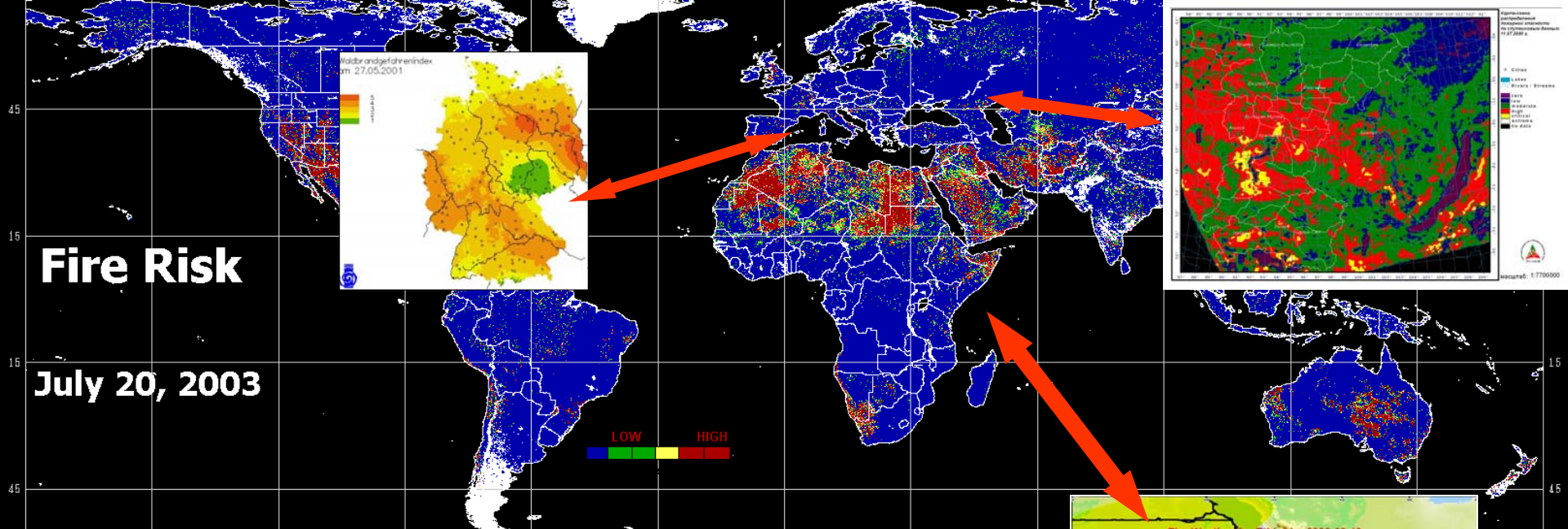


- Fire Prevention



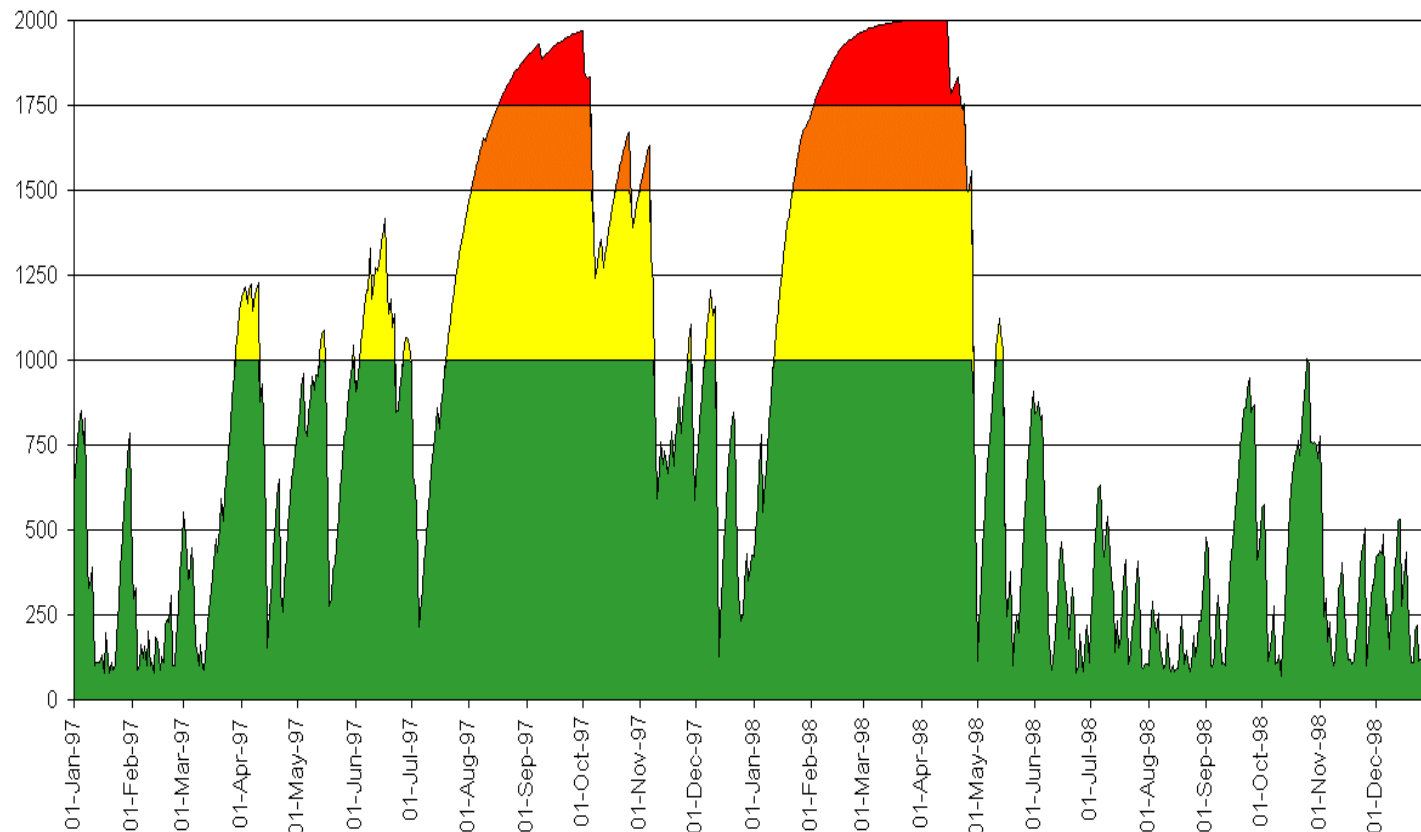
- Family and Community Involvement





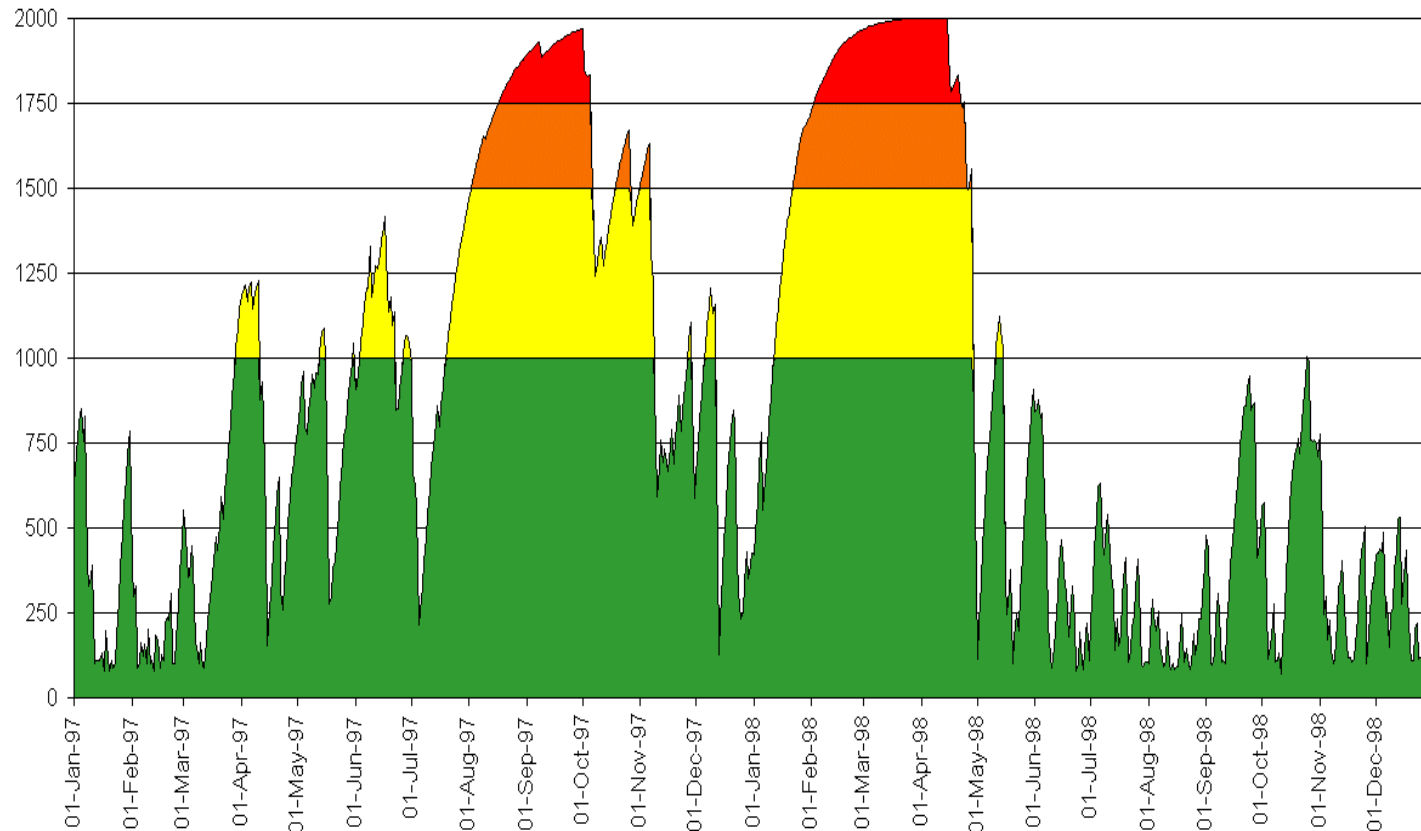
Early Warning of Wildland Fires: Advanced systems

**El Niño Phenomenon 1997/98
indicated by the Daily KB (Keetch Byram) Drought Index
South Coastal Zone East Kalimantan/Indonesia**



Early Warning of Wildland Fires: Easy-to-handle systems tailored for local generation and use

El Niño Phenomenon 1997/98
indicated by the Daily KB (Keetch Byram) Drought Index
South Coastal Zone East Kalimantan/Indonesia



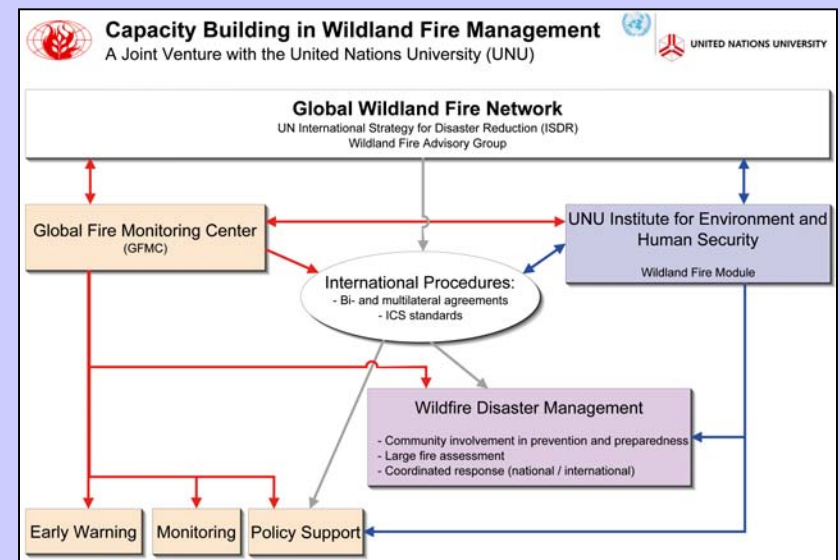
Locally generated EW systems are independent of high-tech communication links

Lessons learned and lessons to be learned

Capacity building.

Advanced wildland fire
management training courses

A joint UN Inter-Agency
Activity with the United Nations
University, Institute for
Environment and Human
Security (UNU-EHS)





Capacity Building in Wildland Fire Management

A Joint Venture with the United Nations University (UNU)



UNITED NATIONS UNIVERSITY

Global Wildland Fire Network

UN International Strategy for Disaster Reduction (ISDR)
Wildland Fire Advisory Group

Global Fire Monitoring Center
(GFMC)

UNU Institute for Environment and
Human Security
Wildland Fire Module

International Procedures:
- Bi- and multilateral agreements
- ICS standards

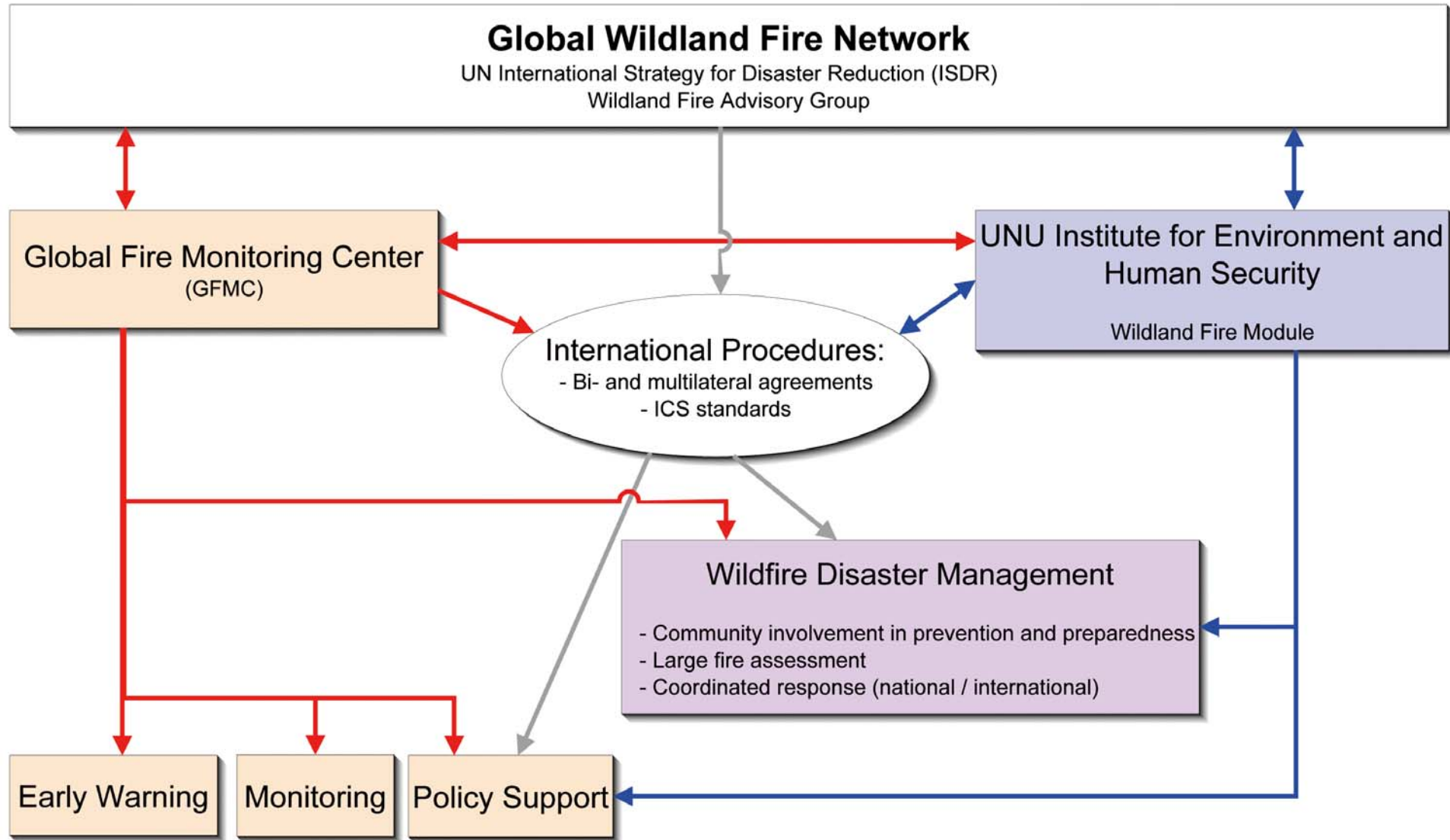
Wildfire Disaster Management

- Community involvement in prevention and preparedness
- Large fire assessment
- Coordinated response (national / international)

Early Warning

Monitoring

Policy Support





Issues Related to EW:

Sustainable Management of Vegetation Cover

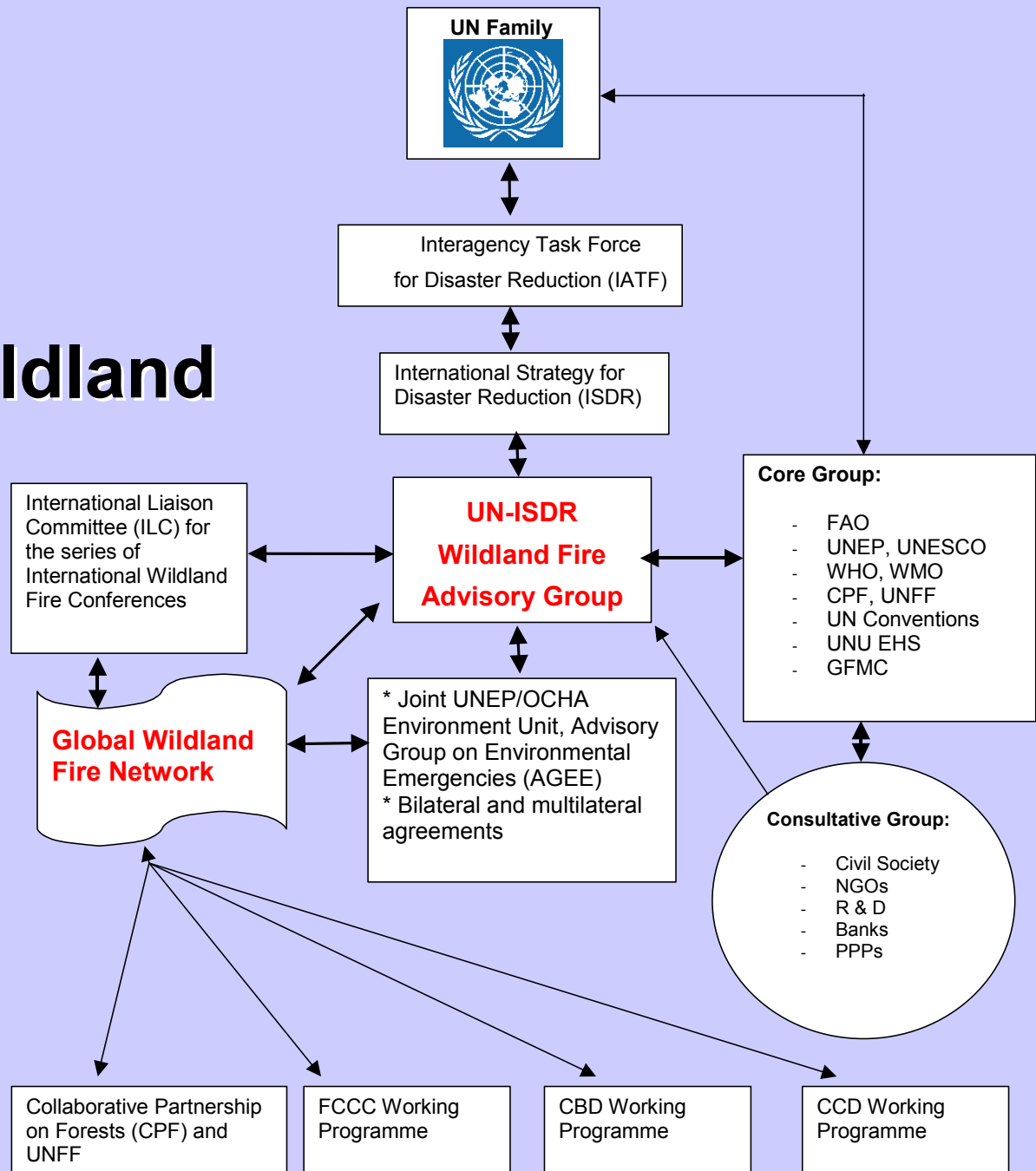
- **Prevention of Secondary disasters (landslides, mudslides, floods)**
- **Mitigating the impacts of hydro-met extreme events (cyclones)**
- **Reducing the impact of geological hazards (earthquakes, tsunamis)**

Old mangrove trees resist Tsunami: Phung-Nga Province (S Thailand), 1 January 2005. Photo Credit: Tanit Nuyim



Towards developing the International Wildland Fire Accord:

Partner organizations cooperating with the UN





Roadmap to support the Development of an International Wildland Fire Accord (2005)

- **UN ISDR World Conference on Disaster Reduction (WCDR) (Kobe, Japan, 18-22 January 2005)**
- **FAO Ministerial Meeting (Rome, 14 March 2005)**
- **UNFF Ministerial Segment (New York, May 2005)**
- **UN General Assembly Resolution on Cooperation in Wildland Fire Management ?**

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Thank you for your attention