GOFC/GOLD Global Geostationary Fire Monitoring Applications Workshop 23-25 March 2004, EUMETSAT, Darmstadt, Germany



Rationale for a Global Geostationary Fire Product Policy / Decision Makers

Johann G. Goldammer

Global Fire Monitoring Center (GFMC) UN-ISDR Wildland Fire Advisory Group





GOFC/GOLD Global Geostationary Fire Monitoring Applications Workshop 23-25 March 2004, EUMETSAT, Darmstadt, Germany



Overview – The International User Community

- International Science Networks
- International Organizations
- NGOs
- United Nations
- Global Wildland Fire Network





Currently existing potential users: Topical Wildland Fire Networks (I)

Research Networks

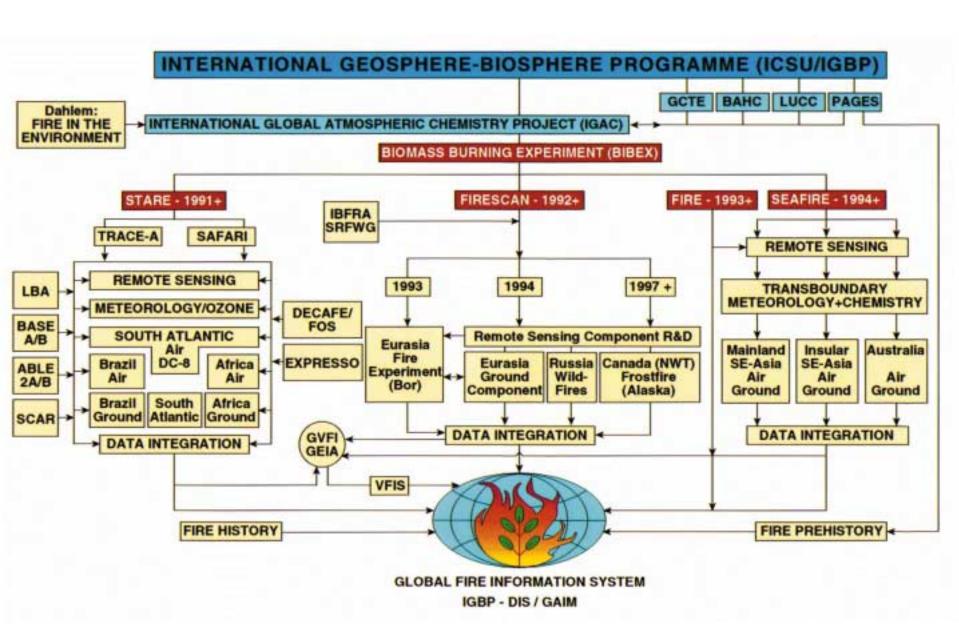
International Geosphere-Biosphere Programme (IGBP) with their Core Programmes, e.g.

International Atmospheric Chemistry Programme (IGBP)
 The Biomass Burning Experiment (BIBEX)

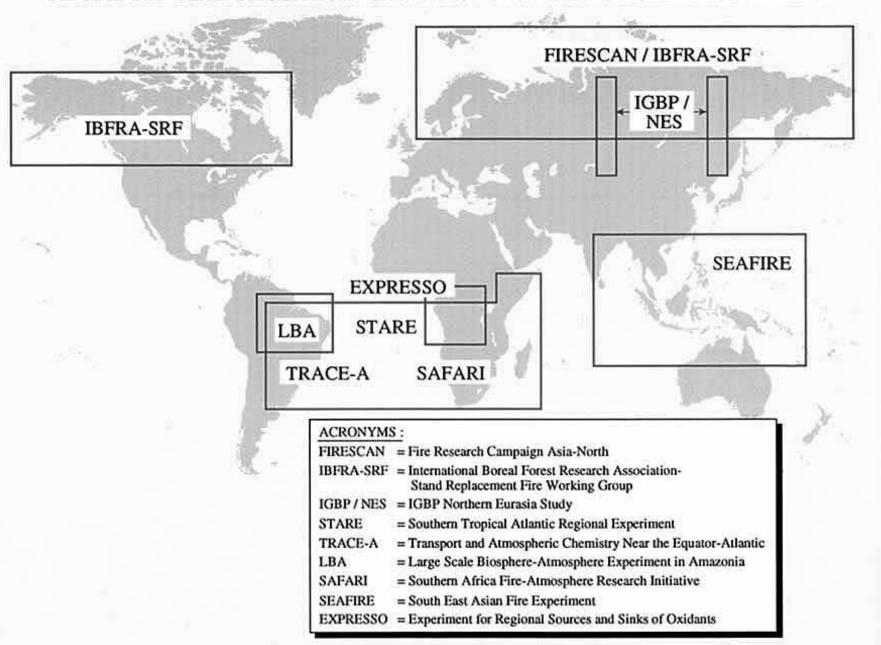








REGIONAL FIRE RESEARCH CAMPAIGNS IN THE DECADE 1990 - 2000



Currently existing potential users: Topical Wildland Fire Networks (II)

 Global Observation of Forest and Land Cover Dynamics (GOFC/GOLD):

Implementation Team: Fire Monitoring and Mapping





Currently existing potential users: Topical Wildland Fire Networks (III)

International Union of Forestry Research Organizations (IUFRO)

Forest Fire Research Group 8.05



International Boreal Forest Research Association (IBFRA)

Wildland Fire Working Group

(ex: Stand Replacement Fire Working Group)

Currently existing potential users: Topical Wildland Fire Networks (IV)

Regional Research Consortia:
 e.g., EUFIRELAB (European Union)
 Institut National de la Recherche Agronomique (INRA), France



Currently existing potential users: Topical Wildland Fire Networks (VI)

- Non-Governmental Organizations
 - Global Fire Partnership
 - Founded on 10 September 2003, Durban, South Africa
 - Strategic Meeting with International Participation: 15-18 May 2004







Currently existing potential users: Topical Wildland Fire Networks (VII)

 International Technical Committee for the Prevention and Extinction of Fire (Comité Technique International de Prévention et d'Extinction du Feu - CTIF)

Commission on Forest Fires

- Reactivated 18 September 2003, Budapest, Hungary
- Main objectives: Improving the efficiency of urban and rural fire in wildland fire management

Currently existing potential users: International Disaster Response Organizations (I)

 NATO - Euro-Atlantic Disaster Response Coordination Centre (EADRCC)

Exercise Taming the Dragon – Croatia 2002









Currently existing potential users: International Disaster Response Organizations (II)



 United Nations Office for the Coordination of Humanitarian Affairs (OCHA) & United Nations Environment Programme (UNEP)

Joint UNEP/OCHA Environment Unit

Advisory Group on Environmental Emergencies (AGEE)

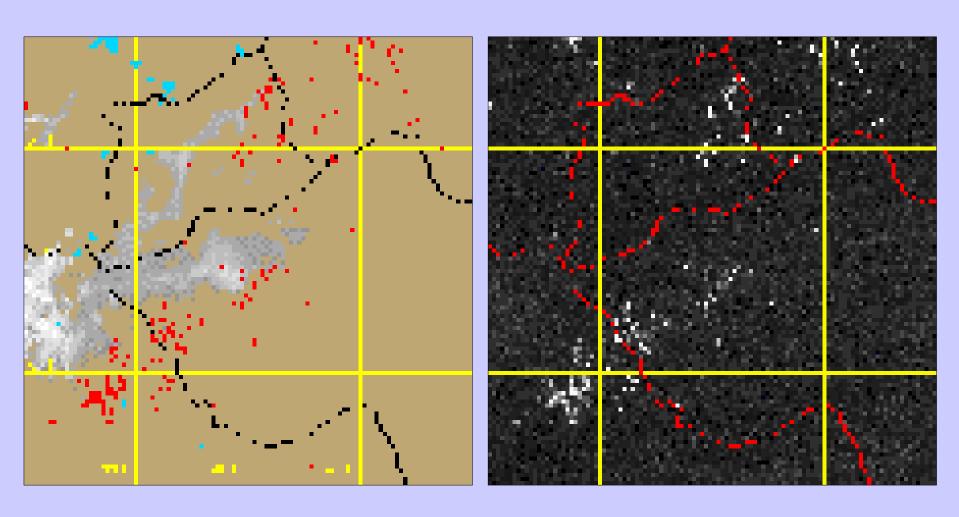
Strategic Objective in cooperation with the wildland fire community:

Internationally coordinated response to wildland fire emergencies, including spaceborne fire reconnaissance capabilities

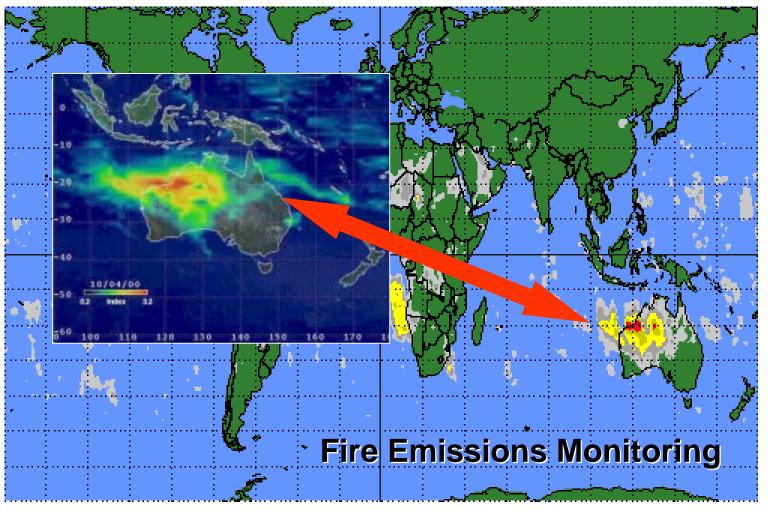
2004 – First Activity with United Nations University:

Joint GFMC / ISDR / FAO / OCHA / UNU / NEPAD Advanced Wildland Fire Management Training Workshop for SADC Countries, South Africa

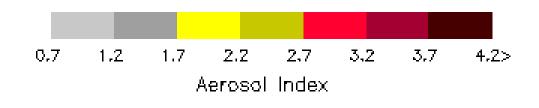
Lessons learned - the Ethiopia Fire Emergency 2000



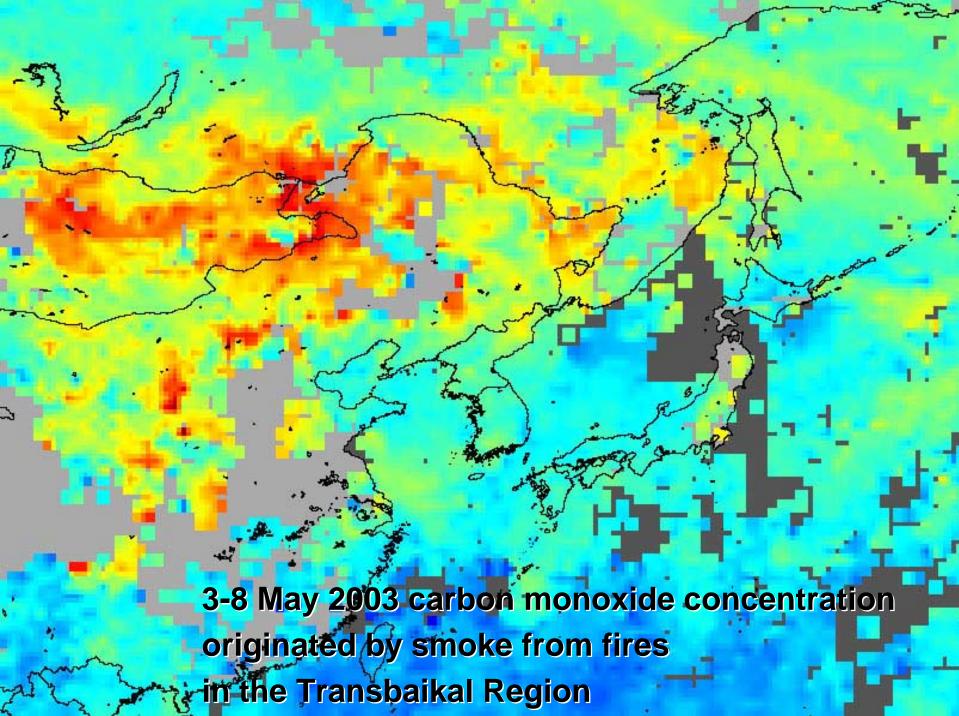
Earth Probe TOMS Aerosol Index on October 04, 2000

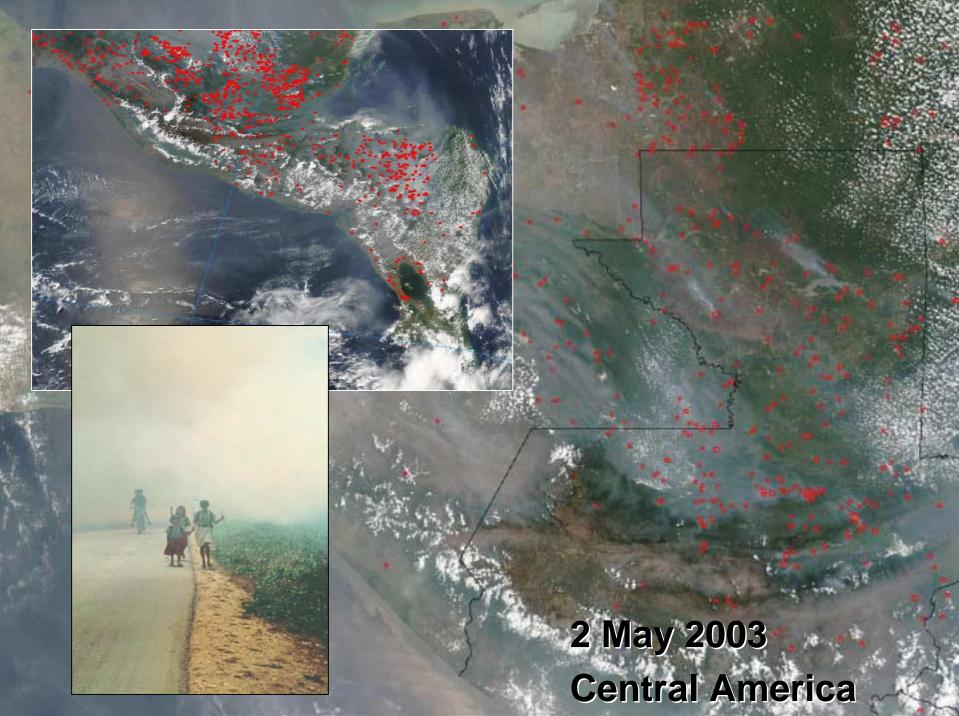






Goddard Space Flight Center





Currently existing potential users: Wildland Fire Networks within the UN (I)



Economic Commission for Europe
 (Europe, CIS, USA, Canada)

 ECE-FAO-ILO Team of Specialists on Forest Fire



FAO Silva Mediterranea
 Forest Fire Working Group



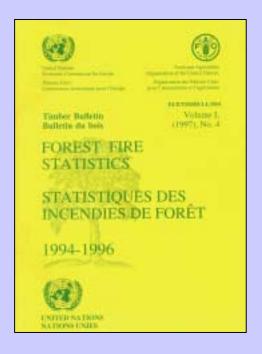
North American Forestry Commission
 Fire Management Working Group



Currently existing potential users: Wildland Fire Networks within the UN (II)



Joint Products / Publications







FRA 2000 Global Forest Fire Assessment 1990-2000



Forest Resources Assessment Programme

Working Paper 55 Rome 2001



FRA 2000 Global Forest Fire Assessment 1990-2000



Forest Resources Assessment Programme

Working Paper 55 Rome 2001

Currently existing potential users: Wildland Fire Networks within the UN (III)



• Forest Resources Assessment (FRA) 2005



Strategic Meeting FAO / GFMC: Rome, 7 April 2005

Currently existing potential users: Wildland Fire Networks within the UN (IV)



UN International Strategy for Disaster Reduction (UN-ISDR)
 Inter-Agency Task Force for Disaster Reduction
 Working Group on Wildland Fire (2001-2003)

Objectives

- Advisory body to the UN
- Establishment of a global inter-agency, inter-sectoral and interdisciplinary platform of
 - technical and scientific representatives the fire community
 - and the authorities concerned with policy and practices in wildland fire management

Currently existing potential users: Wildland Fire Networks within the UN (V)

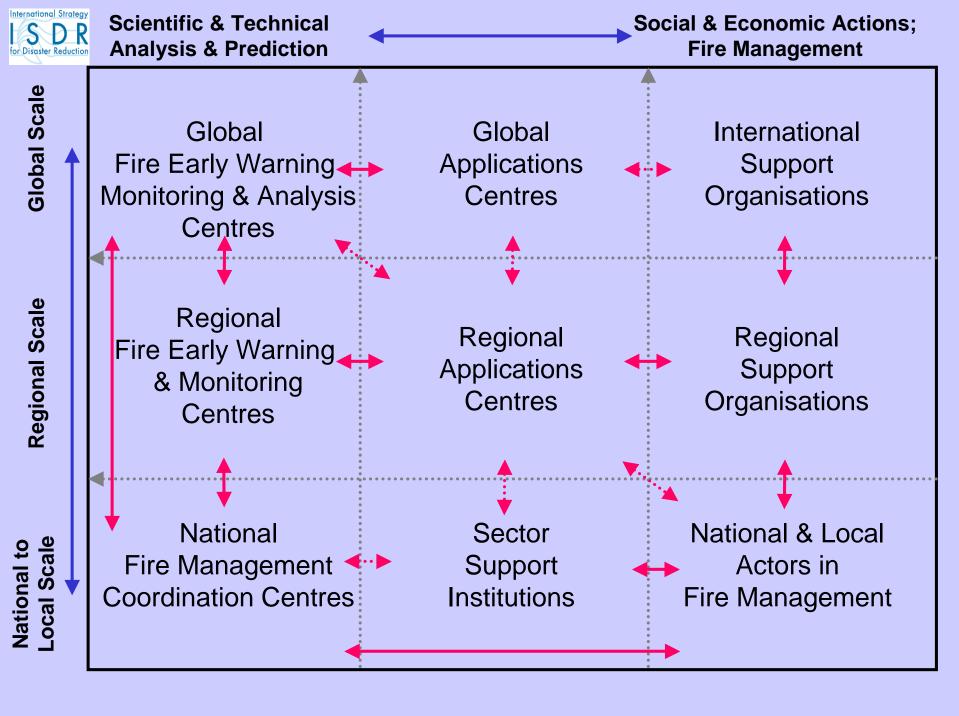


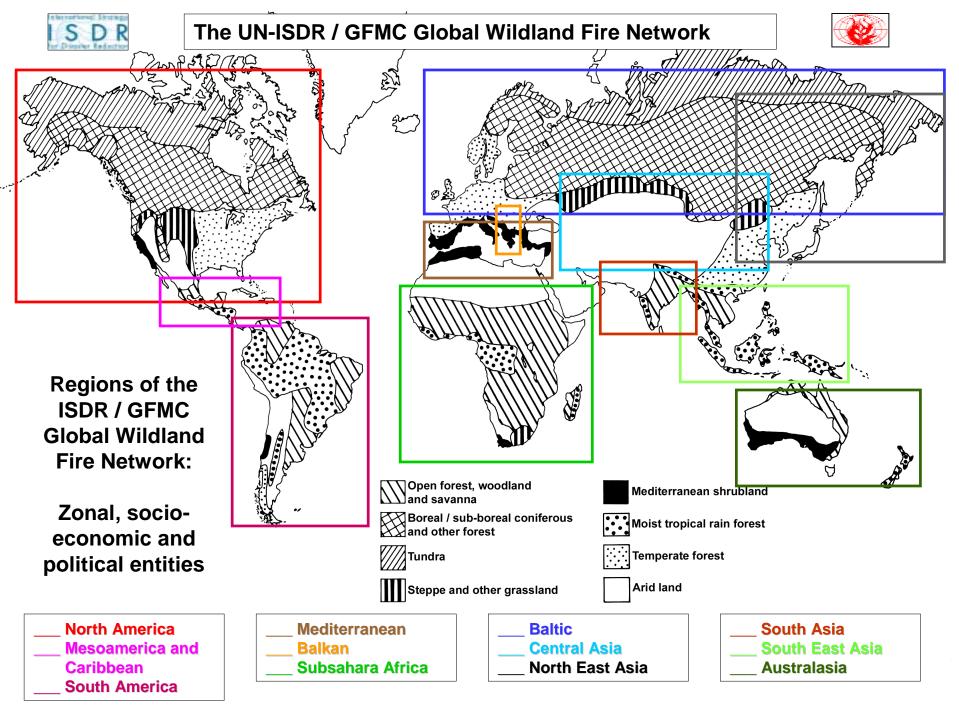
UN International Strategy for Disaster Reduction (UN-ISDR)
 Inter-Agency Task Force for Disaster Reduction
 Working Group on Wildland Fire (2001-2003)

Terms of Reference (among other)

to facilitate

- cooperation between existing global fire monitoring capabilities
- establishment and consolidation of Regional Wildland Fire Networks





Currently existing and planned Regional Wildland Fire Networks (I)



Regional South East Asia Wildland Fire Network (ASEAN)
 ASEAN Transboundary Haze Agreement



Regional Subsahara Africa Wildland Fire Network
 Afrifirenet / SAFNet



Regional Mesoamerica Wildland Fire Network
 Mesoamerica Regional Agreement



Regional Baltic Wildland Fire Network
 UN-ECE Region: FAO / ECE Team of Specialists on Forest Fire



Currently existing and planned Regional Wildland Fire Networks (II)

• Regional Mediterranean Wildland Fire Network FAO Silva Mediterranea



Regional Australasia Wildland Fire Network
 Australasian Fire Authorities Council (AFAC)



Regional North America Wildland Fire Network
 FAO NAFC Fire Management Working Group



Regional Balkan Wildland Fire Network
 UN-ECE Region: Team of Specialists on Forest Fire



Regional Central Asia Wildland Fire Network
 UN-ECE Region: Team of Specialists on Forest Fire



Currently existing and planned Regional Wildland Fire Networks (III)

Regional North East Asia Wildland Fire Network
 Start: March 2004, Seoul, Korea





Regional South America Wildland Fire Network
 Start: June 2004, Curitiba, Brazil





 Regional South Asia Wildland Fire Network t.b.d.





















Currently existing Wildland Fire Networks within the UN (VI)



UN International Strategy for Disaster Reduction (UN-ISDR)



Main Partners:



UN Food and Agriculture Organization (FAO)

World Health Organization (WHO)



World Meteorological Organization (WMO)

UNESCO

- THE.
- UN Conventions: Biological Diversity (UN CBD)
 Framework Convention on Climate Change (UN FCCC)
 Combat of Desertification (UN CCD)
- UN Forum on Forests (UNFF)
- Collaborative Partnership on Forests (CPF)
- International Tropical Timber Organization (ITTO)



Currently existing Wildland Fire Networks within the UN (VII)

The Global Fire Monitoring Center (GFMC)



As a contribution to the International Wildland Fire Community and the United Nations system the GFMC is providing portal, facilitation and harmonization services in

- Early warning of wildland fires
- Compilation of near-real time or regular fire situation updates through a global network of data providers
- Assistance to developing countries to build capacities in fire prevention and fire management systems/policies
- Decision-support for policy-making institutions at international levels

The Future of the Working Group on Wildland Fire



Between 2001 and 2003 the Working Group has

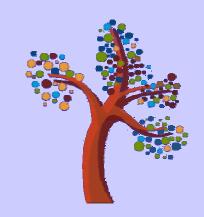
- Created an efficient advisory body for both the UN and the international community
- Generated visibility of the increasing wildland fire problems at global level
- Provided visions and an agenda for the future
- Received a mandate from the international community (International Wildland Fire Summit – 2003)
- Facilitated building a global outreach programme through the Global Wildland Fire Network

The Future of the Working Group on Wildland Fire (I)

- At the end of 2003 the Working Group
 - Has received endorsement by the IATF for the Global Wildland Fire Network
 - Has received active support by the ISDR Secretariat to obtain funding for the further development and functioning of the network
 - Will transit to an IATF-ISDR advisory body (UN-ISDR Wildland Fire Advisory Group)

The Future of the Working Group on Wildland Fire (II)

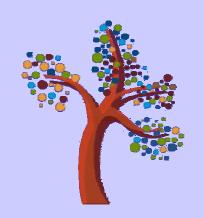
- In 2004 the Advisory Group
 - Will seek the support of the UN system, including the UN conventions, to follow up the overall goals of the WSSD and the International Wildland Fire Summit
 - Strategic Meeting with the three Rio Conventions, 5-7 April 2004
 - Prepare a Global Wildland Fire Summit to obtain UN General Assembly support
 - Strategic Meeting with the FAO, 7 April 2004



Summit Theme:

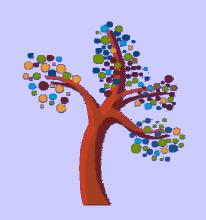
Fire Management and Sustainable Development:

Strengthening international cooperation to reduce the negative impacts of wildland fires on humanity and the global environment



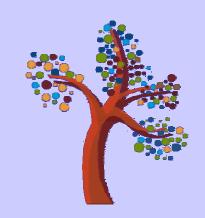
Summit Objectives:

(1) Reflect on the Political Declaration and Plan of Implementation of the World Summit for Sustainable Development (WSSD) and international conventions



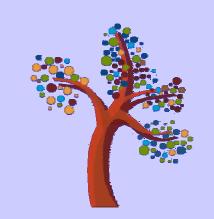
Summit Objectives:

(2) Determine appropriate mechanisms to improve global communication and knowledge sharing on wildland fire management



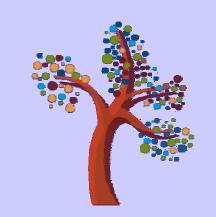
Summit Objectives:

(3) Global plan of action over the forthcoming five-year period that will result in positive outcomes in the reduction of the damage caused by wildland fires



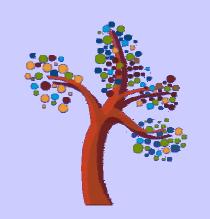
Intended and Achieved Summit Outputs:

(1) An agreement on the principles that should apply to international wildland fire management projects



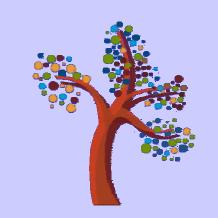
Intended and Achieved Summit Outputs:

(2) An agreement on a template document that can be used by countries wishing to form a cooperation arrangement with one or more other countries for mutual assistance with wildfire management



Intended and Achieved Summit Outputs:

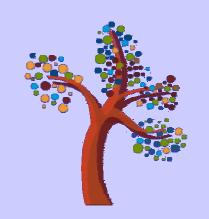
- (3) An agreement that the Incident Command System (ICS) will become the international standard for all wildfire incident management
- International ICS Guidelines
- that can be used by countries with limited infrastructures and personnel capabilities



Intended and Achieved Summit Outputs:

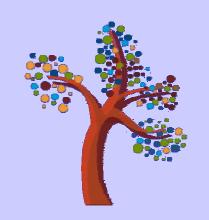
(4) An agreement to a strategy for future development of the issues and international responses to wildland fires

Recommendation for FRA-2005:



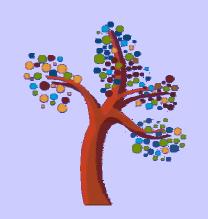
Summit Recommendations – The Strategy

The Global Forest Fire Assessment 2005 within the frame of the FAO Global Forest Resources Assessment (FRA) 2005 supported by the FAO, the GFMC, and the Global Observation of Forest Cover/Global Observation of Landcover Dynamics (GOFC/GOLD)



Summit Recommendations – The Strategy

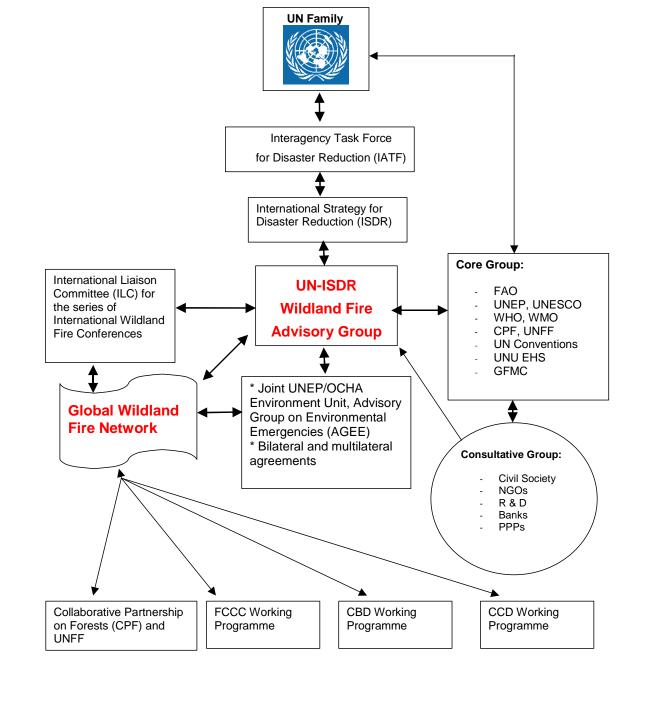
- March-April 2004: Initial dialogue between
 - GOFC/GOLD-Fire IT
 - > GFMC
 - > FAO
 - FRA / Rome meeting 7 April 2004



Summit Recommendations – The Strategy

A post-Summit activity

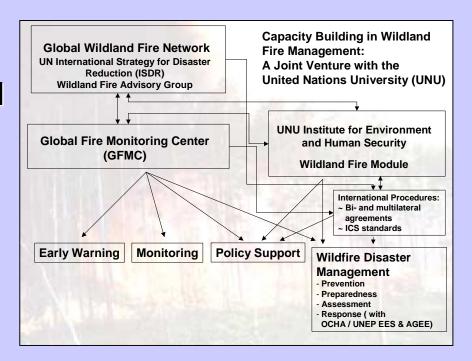
to prepare an input paper to the UN General Assembly that seeks the support of countries to strengthen international cooperation in response to wildland fire disasters and post fire mitigation

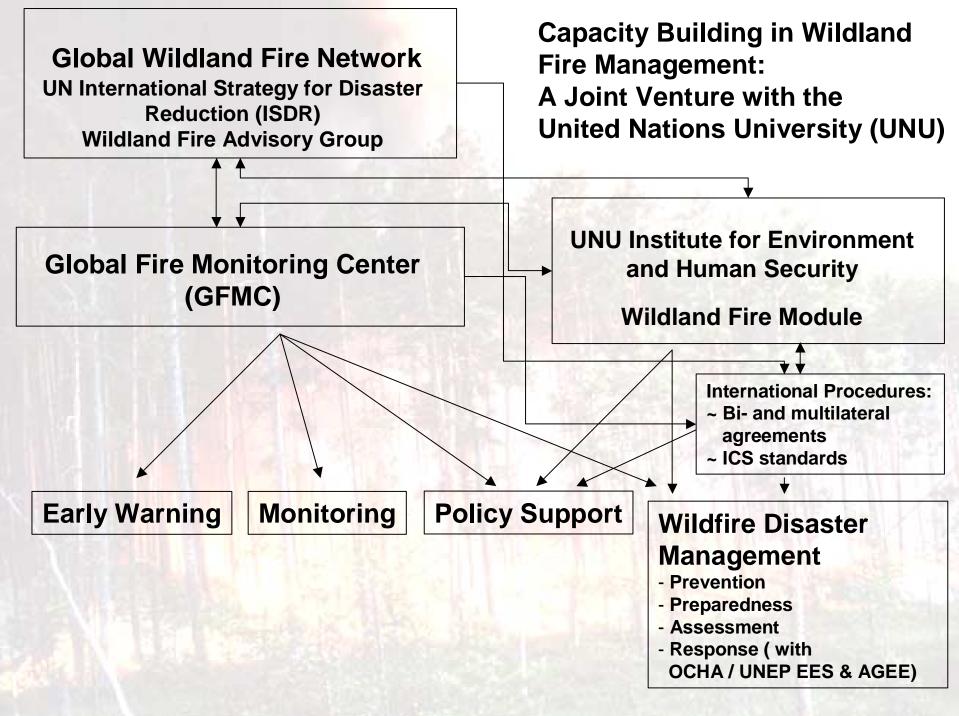




Finally (I) A new initiative to strengthen capacity building in advanced fire management

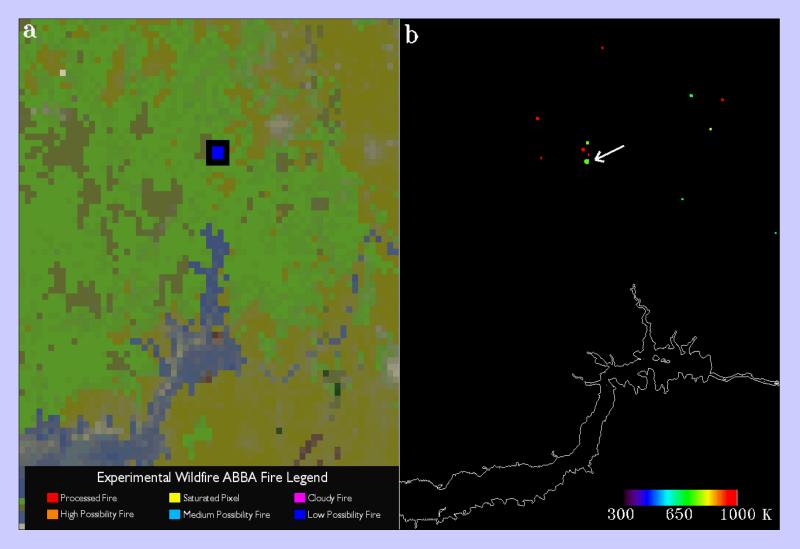
The United Nations
University Research and
Training Center
"Environment and
Human Security"





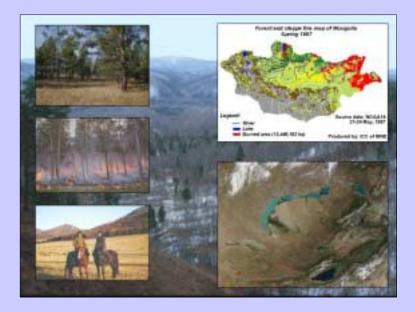
Finally (II)

Questions that have been asked by the user community over the last years:



GOES (a) vs. BIRD (b) – Brazil, 23 November 2002





Thank you for your attention



