

Achievements and Future Work of the Global Fire Monitoring Center (GFMC), the UNISDR Global Wildland Fire Network and Other Networks and

Multilateral Agreements in Building Global Partnerships in Fire Management



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Overview of this presentation:

- (I) Some basic thoughts on transboundary cooperation in fire management
- (II) Progress of regional mechanisms and initiatives in transboundary cooperation in fire management
 - Council of Europe (CoE) / EUR-OPA activities
 - Asia-Pacific Economic Cooperation (APEC)
 - Association of South East Asian Nations (ASEAN)
 - North America / Australasia Cooperation
 - European Union (EU)
 - Southern African Development Community (SADC)
 - UN Economic Commission for Europe (UNECE)
 - The Black Sea and Caspian Sea Neighbourhood

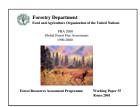
International Cooperation

Global Global Wildland Fire Assessment

- Wildland Fire Environmental Risk Identification
- Global statistics & assessments









International Cooperation

Voluntary Guidelines

ITTO

WHO

FAO









International Cooperation Handbooks

- Fire management handbooks for international use, e.g.:
 - Wildland Fire Management Handbook for Sub-Sahara Africa

- Wildland Fire Management: Handbook for **Trainers**







International Cooperation

Training in Fire Disaster Management: Towards building internationally compatible

- Standards
- Competency
- Certification

Example: EuroFire Competency Standards

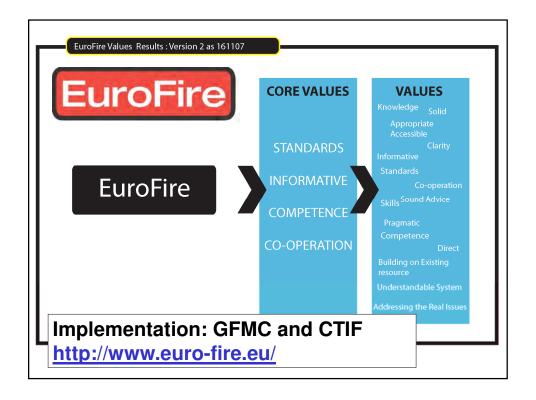


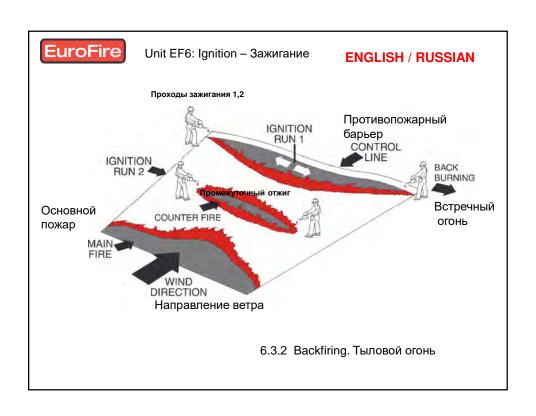


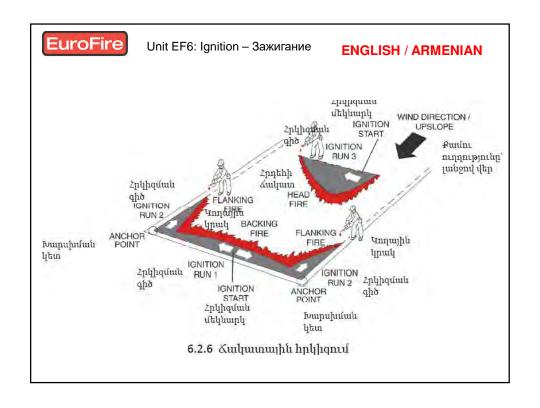


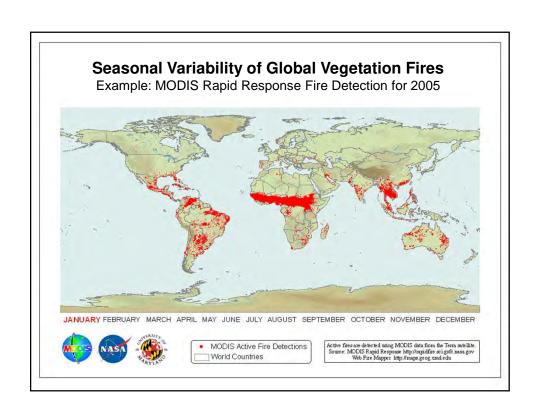


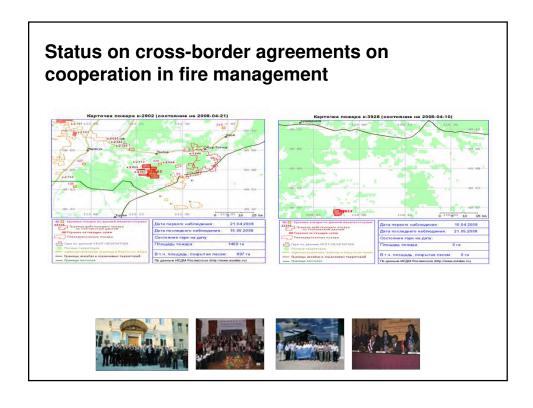


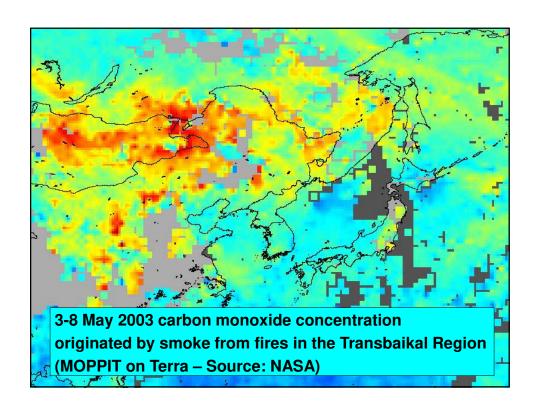


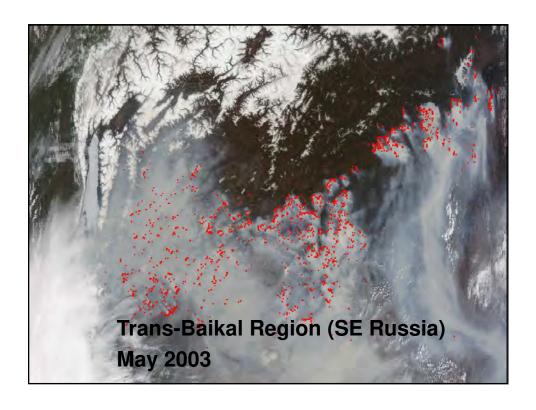


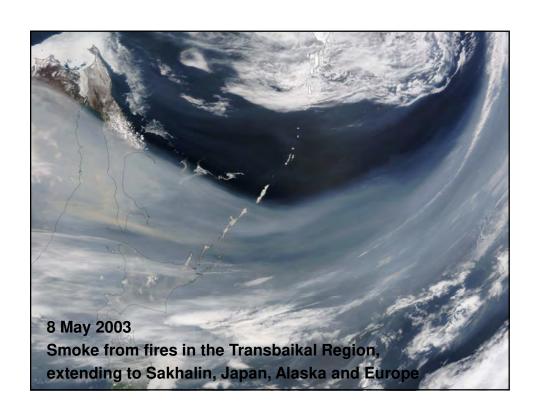


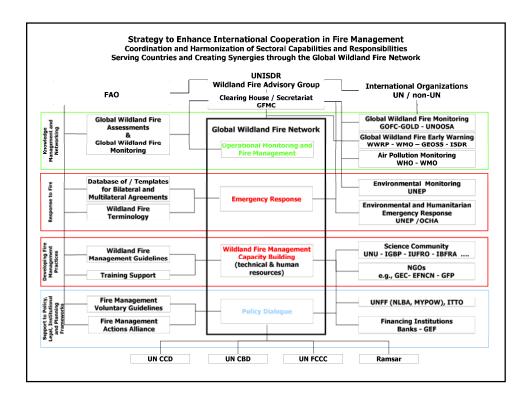












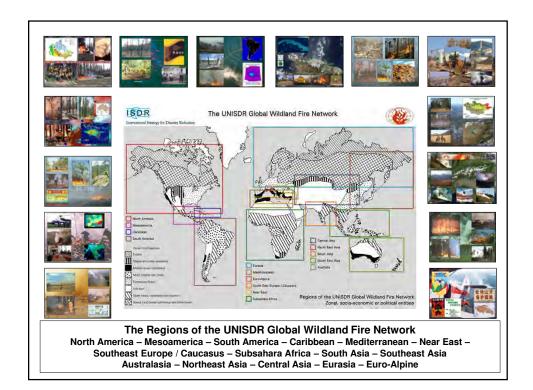
International Cooperation

Improving Governance in International Fire Disaster Management

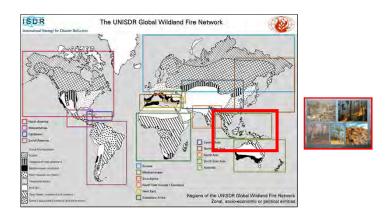
 International Wildland Fire Management Cooperation Agreements Template ("Model")

International Wildland Fire Summit 2003: Development of a template to countries interested in entering into formal relationships and agreements with other countries facing similar issues

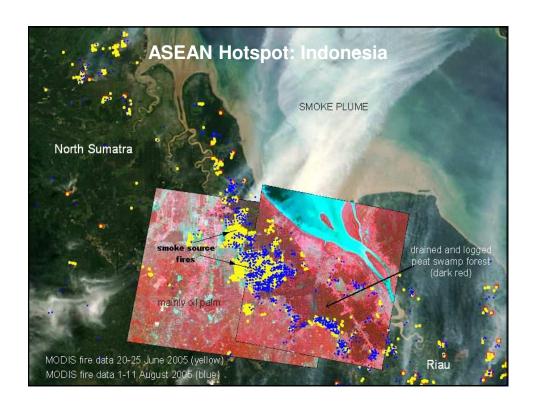




The ASEAN Region in the Global Wildland Fire Network



The Regions of the UNISDR Global Wildland Fire Network within the ASEAN Region
North America – Mesoamerica – South America – Caribbean – Mediterranean – Near East –
Southeast Europe / Caucasus – Subsahara Africa – South Asia – Southeast Asia –
Australasia – Northeast Asia – Central Asia – Eurasia – Euro-Alpine



Association of South East Asian Nations (ASEAN)

ASEAN Agreement on Transboundary Haze Pollution:



ASEAN Signing ceremony of Haze Agreement Kuala Lumpur (2002)









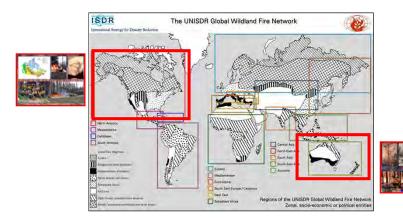
Association of South East Asian Nations (ASEAN) Activity 2010

Within the frame of the ASEAN Agreement on Transboundary Haze Pollution: Implementation of the National Management Plan on Open Burning Smoke Haze Control (Bangkok, Thailand, 17 December 2010)

Emphasis:

 To address international transboundary consequences of open burning and harmonization of approaches with other regions

The North America – Australasia Alliance in the Global Wildland Fire Network



The Regions of the UNISDR Global Wildland Fire Network: Set of Agreements

North America – Mesoamerica – South America – Caribbean – Mediterranean – Near East –

Southeast Europe / Caucasus – Subsahara Africa – South Asia – Southeast Asia –

Australasia – Northeast Asia – Central Asia – Eurasia – Euro-Alpine







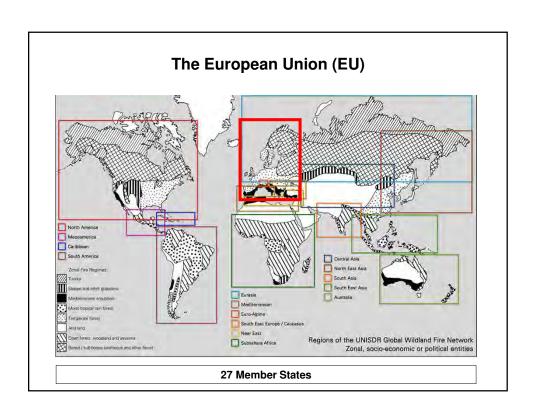


North American – Australasian Cooperation Activities in 2010

Continuation of exchange of fire management personnel during wildfire emergencies

Emphasis:

■ To consolidate reciprocal deployment of Australian / New Zealand / USA / Canada Incident Management personnel to assist in fire emergencies in countries that have signed compatible bilateral agreements and using compatible incident management systems = Incident Command System (ICS)



European Union / European Commission Activities (I)



The Civil Protection Mechanism

Established: 2001, managed by the European Commission

Participating states: 27 Member States with Iceland, Liechtenstein, Norway and Croatia



Tools:

Three tools to cope with wildfires in three phases of the disaster management cycle.



European Union / European Commission Activities (II)



(1) Fire Monitoring and Prevention

The Monitoring and Information Centre (MIC)

Roles:

- Coordination platform for exchange of requests for assistance and offers of resources
- Agent for information exchange and dissemination on natural and human-made disasters worldwide and the Mechanism interventions

European Union / European Commission Activities (III)



Common Emergency Communication and Information System (CECIS)

- Facilitates coordination between the MIC and national authorities
- Host of a secure and reliable database on potentially available assets for assistance
- Handling of requests for assistance on the basis of these data

European Union / European Commission Activities (IV)



MIC support by the European Forest Fire Information System (EFFIS)



Scientific and technical infrastructure:

- Today meteorological fire danger maps and forecast up to 6 days
- Information on the current fire season in Europe and in the Mediterranean area
- Daily updated satellite images of the last 7 days, maps of the latest hot spots and fire perimeters also updated daily

European Union / European Commission Activities (V)



(2) Preparedness

- Exchange of best practice among Participating States and provides training programmes and exercises to intervention teams
- European Union Forest Fire Tactical Reserve (EUFFTR):

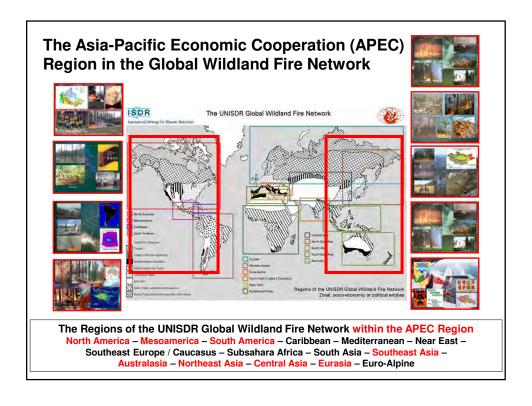
Two Canadair CL-215 aircraft allocated in 2009-2010 and activated when Member States were not in a position to provide assistance to a requesting country, or because they could not reach the fire site quickly enough.

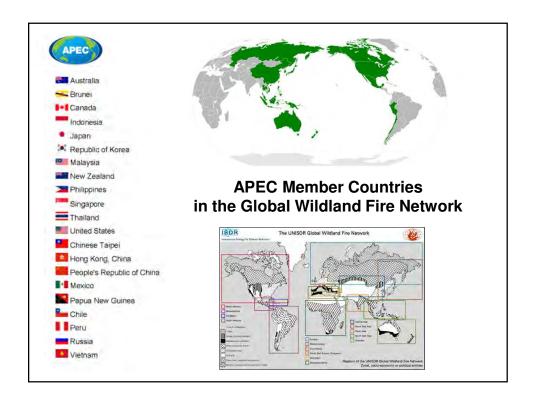
European Union / European Commission Activities (VI)



(3) Response

- Mobilize small teams of experts to the site of an emergency
- Provide and distribute information during an emergency/intervention
- Play a facilitating role in the coordination of assistance requests and offers from Participating States





Asia-Pacific Economic Cooperation (APEC) Activities 2010-2011 (I)

International APEC Conference on Forest Fire:
Management and International Cooperation in Fire
Emergencies of the Asia Pacific (Khabarovsk, Russia, 3-7
October 2010)

Emphasis:

 Harmonization of design of bi- and multilateral agreements with the UNECE region: APEC Ministerial Meeting, Vladivostok (2012)





Asia-Pacific Economic Cooperation (APEC) Activities 2010-2011 (II)

First regional activity 2011:

■ Advanced Study Course on Wildland Fire Management in the APEC Region (Moscow, Russia, 7-10 November 2011)

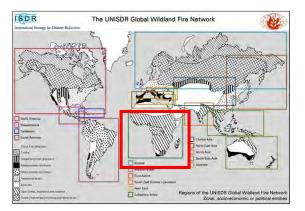






Photos: APEC Conference 2010

The SADC Region in the Global Wildland Fire Network





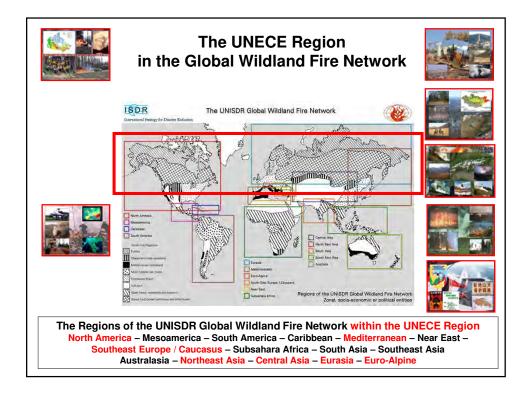
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North America – Mesoamerica – South America – Caribbean – Mediterranean – Near East –
Southeast Europe / Caucasus – Subsahara Africa – South Asia – Southeast Asia
Australasia – Northeast Asia – Central Asia – Eurasia – Euro-Alpine

SADC Activities 2010-2011

Regional consultative workshop "Development of a SADC Cross-Border Fire Management Programme" (Maputo, Mozambique, 25-27 January 2010)

Emphasis:

- Establishment of regionally concerted efforts in building national and transnational fire management capacity
- Initial project "Sustainable Resource Management through Integrated Fire Management in Tanzania Supported by a Regional Fire Management Coordination Centre"



Government-mandated Team of Specialists on Forest Fire – Terms of Reference (extract)

To provide, in close cooperation and coordination with the UNISDR Wildland Fire Advisory Group / Global Wildland Fire Network, FAO, UNISDR, Council of Europe and other partners, guidance to ECE member states on

- forest fire management and forest fire policies,
- including bilateral / international cooperation of ECE member states.

Emphasis:

Implementation of transboundary cooperation in fire management

UNECE Activity 2010-2011 (I)

International meeting on Cross-boundary Fire Management (Irkutsk, Russia, 16-18 June 2010)

Emphasis:

 Enhancing efficiency and effectiveness of regional cooperation in fire management





New edition of the International Multi-Lingual Fire Management Glossary

Russian and Mongolian added

http://www.fire.unifreiburg.de/literature/glossary.htm



UNECE Activities 2011-2013 (II)

Preparation of the "UNECE Regional Conference on Cross-boundary Fire Management" (to be hosted by the United Nations in January 2013), to build on the results of the conferences of Irkutsk, Khabarovsk and South Africa (WildFire 2011).

Goal:

■ Development of an UNECE Agreement on "Crossboundary Fire Management"



OF FORESTS • 2011



A Coordinated approach for International Deployment and Cooperation of Aerial Firefighting Assets

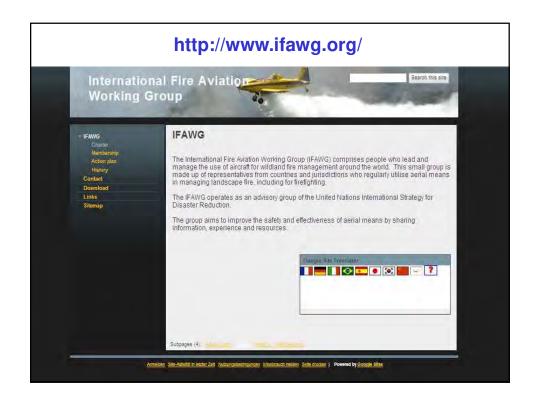
The International Fire Aviation Working Group (IFAWG)

History (I)

- First initiative at the 4th International Wildland Fire Conference (Sevilla, Spain, 2007)
- Continuation at the International Aerial Firefighting Conferences 2008 (Greece), 2009 (U.S.A. + Italy)







The International Fire Aviation Working Group (IFAWG)

Mission Statement

Identify and facilitate multilateral communication and cooperation to improve the safety, efficiency and effectiveness of aerial fire management.

Modus operandi

The "Fire Aviation Working Group" (FAWG) is working under the framework of the UNISDR *Wildland Fire Advisory Group* (WFAG) / UNISDR Global Wildland Fire Network (GWFN) as an advisory committee.

The International Fire Aviation Working Group (IFAWG)

Principal Objectives (I)

- Cooperation in the improvement of aerial firefighting safety
- Facilitation for the sharing of resources between jurisdictions and countries







The International Fire Aviation Working Group (IFAWG)

Principal Objectives (II)

- Agencies and groups work together to develop
 - voluntary guidelines regarding standards and operating practices for aerial means
 - ➤ in order to promote best management practices and in order to support safe and effective deployment of resources between jurisdictions

Outlook for 2011 and beyond

Implementation of the outcomes of the 5th International Wildland Fire Conference (South Africa, May 2011)

Emphasis:



- Inter-regional cooperation will be enhanced by harmonization of regional agreements (legal, voluntary)
- Reporting back to the 6th International Wildland Fire Conference (South Korea, May 2015): Globally most regions will be covered with intra- and inter-regional agreements on transboundary cooperation in fire management

The Black Sea / Caspian Sea Neighbourhood First Regional Network Meeting in Turkey 2004

Followed by

- Establishment of the UNISDR Regional Wildland Fire Network SE Europe / Caucasus (2005)
- Establishment of the Regional Fire Monitoring Center in Skopje, Macedonia (2010)







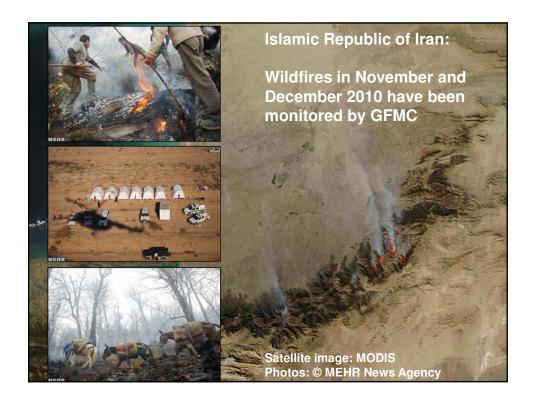
Advanced Seminar in Wildland Fire Management Antalya, Turkey, 1-4 March 2010











The Black Sea / Caspian Sea Neighbourhood

Proposal

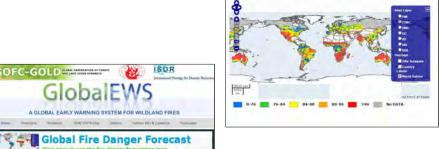
- Establish cross-border dialogue in forest fire management, particularly between Iran, Turkey, Azerbaijan, Armenia an Georgia
- Connect this with work of the UNISDR Regional Wildland Fire
 Network SE Europe / Caucasus
 (2005)





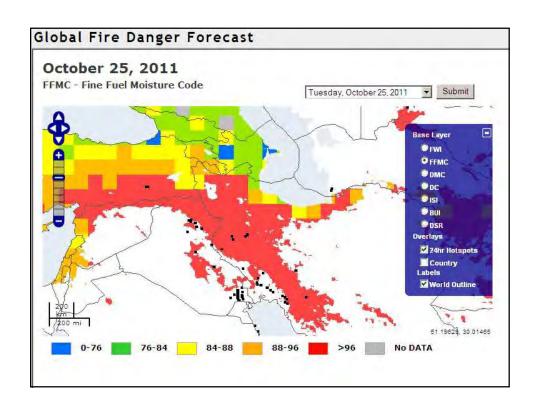
Cooperative Science

- Development of the Global Wildland Fire Early Warning System
- Opportunities for Cooperation



Global Fire Danger Forecast
October 25, 2011
FFMC - Fine Fuel Moisture Code

http://www.fire.uni-freiburg.de/gwfews/index.html





Thanks for your Attention



Global Fire Monitoring Center (GFMC) Freiburg, Germany

