


 22nd OSCE Economic and Environmental Forum
Concluding Meeting
Prague, 10-12 September 2014




Session IV

**OSCE Experiences in
Enhancing National Capacities in Fire Management
and Wildfire Disaster Risk Reduction**



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  UNITED NATIONS
UNIVERSITY

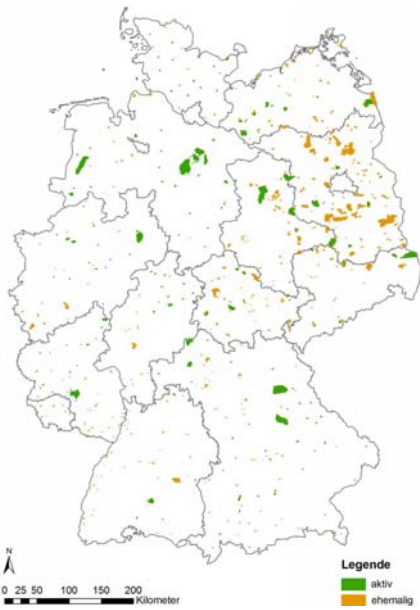
United Nations
International Strategy for Disaster Reduction

**Some remarks (1) connecting the previous
Session addressing “Slow-onset Natural
Disasters” and (2) a perspective from the host
country of the GFMC – Germany**

- (1) Vegetation fires are a major contributor to ecosystem degradation and slow-onset disasters
- (2) GFMC is operating out of Germany, a country that is facing to deal with the heritage of past armed conflicts and the Cold War



Extent of UXO-contaminated sites in Germany



Out of the ca. 700,000 ha active and former military training sites (i.e. 2% of German territory) ca. 250,000 ha are contaminated by UXO, additionally ca. 300,000 ha former (WW-II) combat sites



Extent of UXO contamination in Germany



Managing fires on UXO-contaminated terrain in Germany by turning swords into ploughshares



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“Enhancing National Capacities on Fire Management and Wildfire Disaster Risk Reduction in the South Caucasus”

Phased project:

Phase I – initiated in 2009

Phase III – until 2015

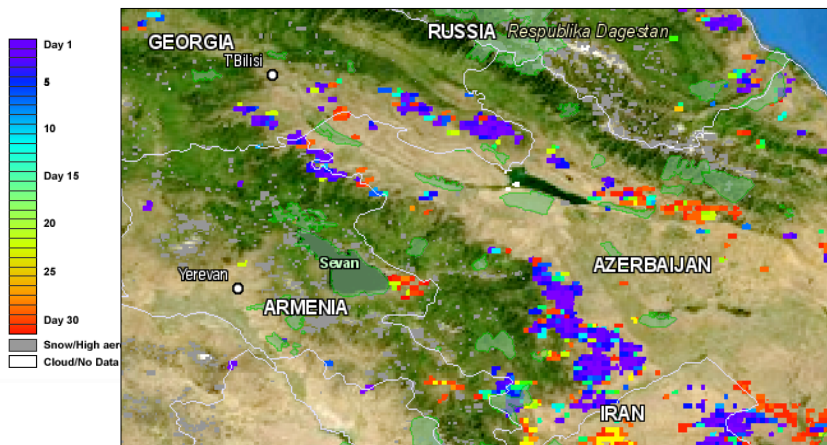
Target countries / region

- Armenia, Azerbaijan, Georgia
- The greater region spanning the South Caucasus and Western Balkans

Historic Fire Assessments – Example 2010



Wildfires / land-use fires are omnipresent in the region



August 2010



Georgia 2010





Basics (I)

“Fire Management”: Definition

- **Prevention** of fire application and wildfires resulting in destruction or damages of ecosystem services
- **Suppression** of damaging fires
- **Avoidance** of “unnecessary” burnings
- **Use** of prescribed (controlled) management fires where fire effects are beneficial for ecosystems / land-use systems

Basics (II)

Fire management will contribute to

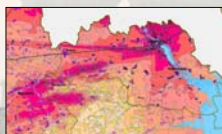
- Protection of stability, productivity and carrying capacity of the ecosystem itself
- Reduction of secondary risks / effects of wildfires, slow-onset, creeping disasters
 - Depletion of soil
 - Increasing surface runoff & erosion
 - Land slides, mud slides
 - Flash floods and excessive flooding of lowlands



Basics (III)

Fire management will contribute to

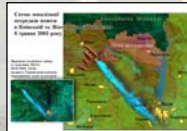
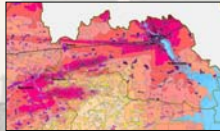
- Reduce of secondary risks / effects on human health and security
 - Smoke pollution affecting human health
 - Smoke affecting traffic security
 - Redistribution of contaminants (chemicals, radioactivity)



Basics (IV)

Fire management at national and regional levels

- Address the transboundary dimension, i.e. fires or smoke pollution crossing national borders
- Prioritizing fires burning on contaminated terrain affecting human security
 - Unexploded Ordnance (UXO) and land mines
 - Redistribution of radioactivity



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Main focus of work in Armenia, Azerbaijan, Georgia (I)

- Initiating awareness and dialogue at national level: National Round Tables on Fire Management and establishment of mechanisms for inter-agency cooperation
- Involvement of civil society, notably local communities
- Development of national fire management policies with inter-agency / cross-sectoral participation

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Main focus of work in Armenia, Azerbaijan, Georgia (II)

- Capacity building of agencies involved (forestry, parks, emergency situations)
- Support formation and capacity building of volunteer groups



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The OSCE-ENVSEC project combines

- the „Top Down Approach“ through the national policy dialogue
- the “Bottom-up Approach” by capacitating local rural communities



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EuroFire

Main focus of work in the region (I)

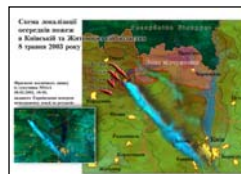
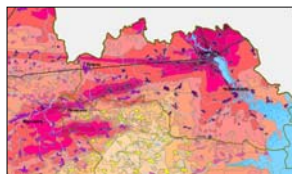
- Joint regional training supporting a culture of transboundary cooperation: Antalya Fire Management Training Center (2010-2014)
- Participation of Western Balkan countries



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Main focus of work in the region (III)

- Advanced Seminar “Wildfires and Human Security: Fire Management on Terrain Contaminated by Radioactivity, Unexploded Ordnance (UXO) and Land Mines”, Kiev / Chernobyl, Ukraine (6-8 October 2009)
- Theme addressed at the Regional ENVSEC Meeting in Minsk (Belarus), 8-9 September 2014

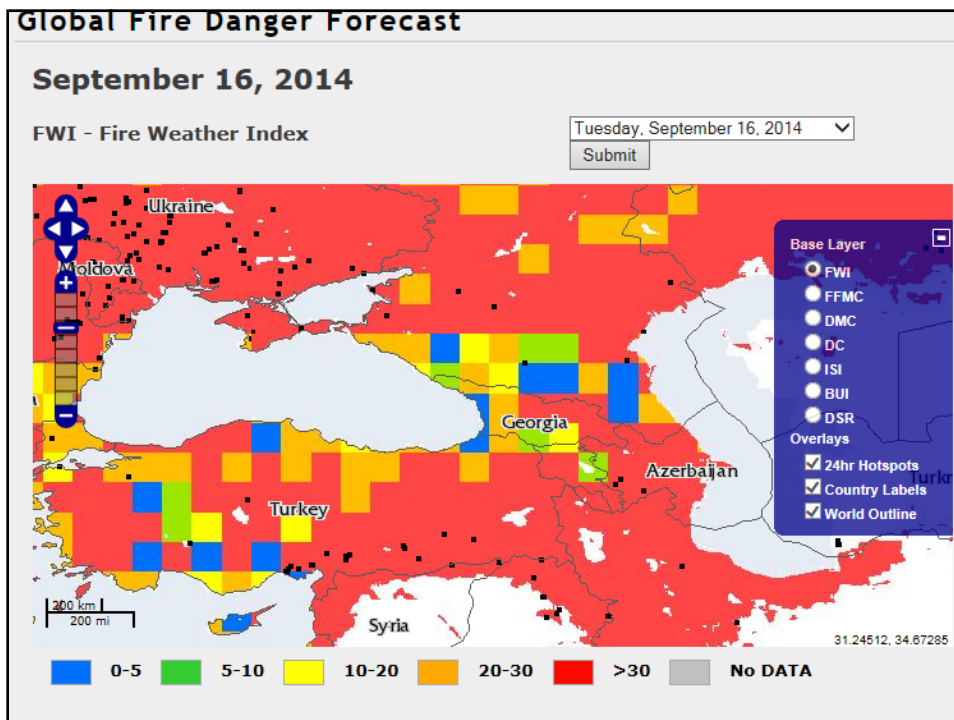
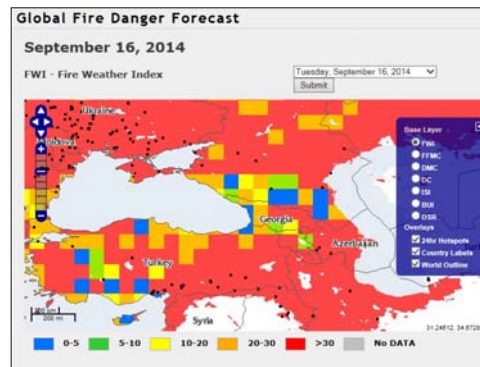


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Main focus of work in the region (III)

- Development of a regional Wildland Fire Early Warning System
- Use of near-real time satellite information



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Lessons identified (I)

- Addressing a disaster risk such as wildfire requires a **holistic approach**, i.e. across natural and cultural landscapes and institutional responsibilities
- Accordingly, a **cross-sectoral mechanism** must be created to initiate a dialogue in society and to identify the underlying reasons of wildfire risks (socio-economic, environmental, climate change, institutional), with emphasis on involvement of civil society

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Lessons identified (II)

- Any solution requiring legal and institutional reforms and investments for capacity building (technical, human resources) requires the formulation of a national policy based on consensus and co-operation with the involvement of all relevant national stakeholders.

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Lessons identified (III)

- Donor-supported projects and programmes must have a long-term scope and timeline since efficient, effective and sustainable capacities cannot be realized in short-term projects

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Lessons identified (IV)

- Establishment and embedding national measures in an international nexus (e.g. through networks, bilateral and multilateral agreements)
 - will benefit from experiences of other countries and regions
 - and thus are economic

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Lessons identified (V)

- Establishment and embedding national measures in an international nexus (e.g. through networks, bilateral and multilateral agreements)
 - will allow the development of interoperable systems for cross-boundary exchange and assistance in wildfire emergency situations, and to jointly achieve the goals of related legally binding international agreements

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Conclusions (I)

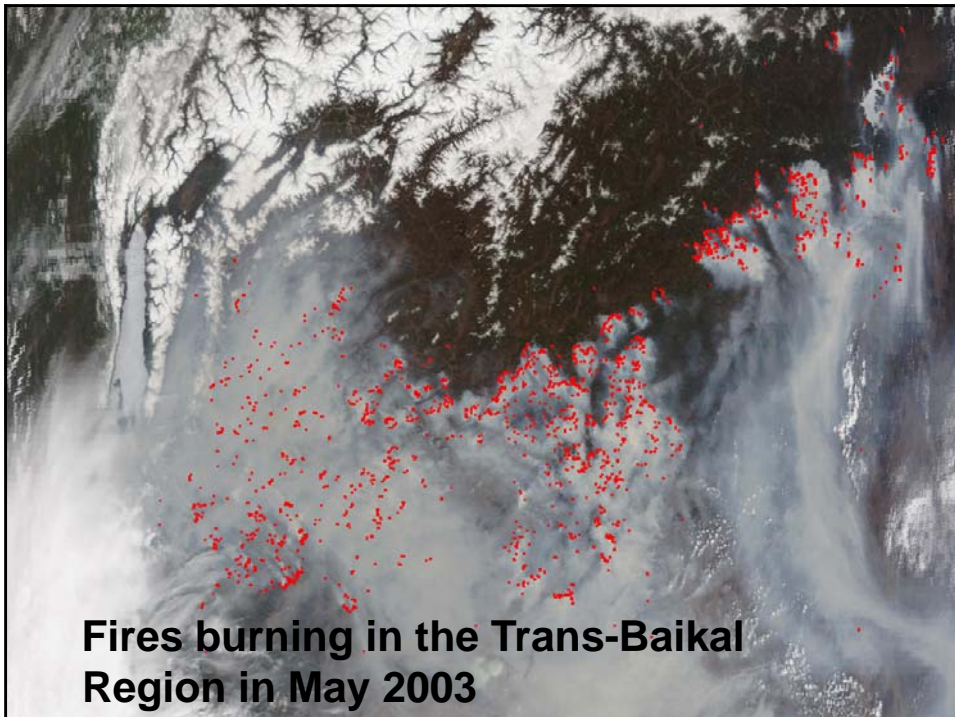
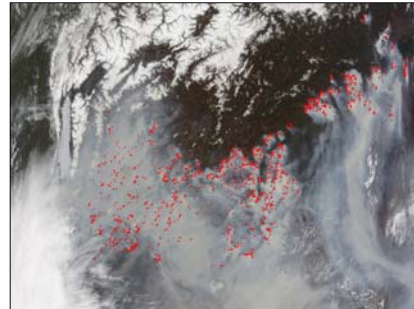
- Developing the ability of society to address wildland fire in a holistic approach from local to global requires the **endurance and patience for doing this in a medium- to long-term time scale**
- Encouraging the OSCE to address the „**microcosm**“ of vegetation fires as drivers of land degradation, desertification and slow-onset disasters

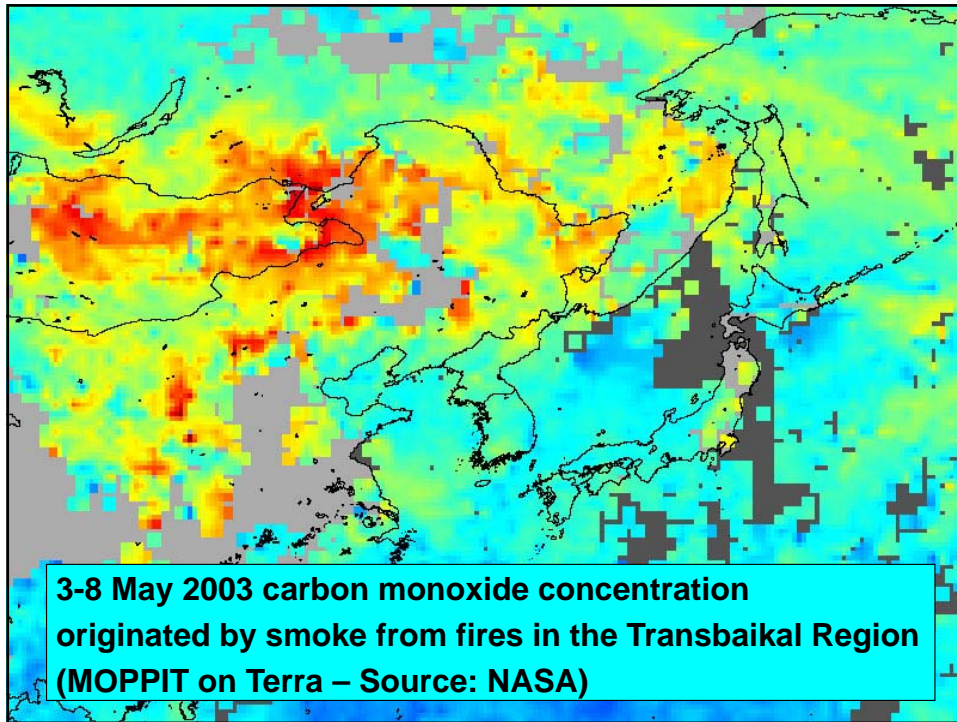
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Conclusions (II)

- Encouraging the OSCE to address the „macrocosm“ of vegetation fires in the region of Participating States







Лед и снег отражают солнечные лучи.



Отложения черного углерода затемняют поверхности и сокращают их отражательную способность.

Impacts of “black carbon”:

The carbon deposits are darkening the snow / ice surface in the Arctic region and reduce reflectivity, thus accelerate melting of snow and ice cover.

Source: A.Pettus / CATF
Agricultural Fires and Arctic
Climate Change: A Special
CATF Report



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Thanks for Your Attention



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