

# **Cooperation between the CTIF Forest Fires Commission, the Global Fire Monitoring Center and the Regional South East Europe / Caucasus Fire Monitoring Center:**

## **History, Achievements and the Way Ahead**

Presentation given in conjunction with the  
Global Wildland Fire Network / UNISDR Regional South East  
Europe / Caucasus Wildland Fire Network

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# History of the cooperation between CTIF and GFMC in building specialized fire management capacity for fire & rescue services in Europe and globally (I)

- Forest Fires Commission (FFC) founded in 1986, led by France until 2003
  - Reactivation meeting @ CTIF Annual Meeting, Budapest, Hungary, 18 September 2003
  - Mr. Trond Rane (Norway) taking over interim leadership of FFC
  - Followed by second revival meeting in Sarpsborg, Norway, 28-30 November 2003



## History of the cooperation between CTIF and GFMC (II)

- Planned CTIF-FFC conference »***Expériences de la saison d'incendies de 2002 – 2003: Sommes-nous préparés à ce défi?***» in the frame of „Sauveteur 2004“ (Wels, Austria, 9 October 2004) was cancelled due to lack of international participation and because that conference was organized by a commercial entity
- 3<sup>rd</sup> FFC meeting @ GFMC 28-23 January 2005
  - Mr. Mark Jones (UK) taking over leadership of FFC
  - First Introduction of an idea to create a “***European Wildland Fire Management Handbook***“ for Fire and Rescue Services, development to be sponsored by the EU Leonardo da Vinci programme



# History of the cooperation between CTIF and GFMC (III)

- 2005-2006: Preparation of a proposal to develop the “***European Wildland Fire Management Handbook***” for Fire and Rescue Services through EU Leonardo da Vinci programme. Granted in 2006 and **re-designated** „***EuroFire Competency Standards***“:
  - Project timeframe: 1 October 2006 – 31 December 2008
  - Total volume EU grant: **€ 200,000**
  - In-kind contribution by GFMC: **€ 28,000**
  - In-kind and cash contribution by CTIF (through Essex County Fire and Rescue Service, UK): **€ 18,000**
  - Project Management:  
Rural Development Initiatives (UK)



## History of the cooperation between CTIF and GFMC (IV)

- 2007-2010: Three meetings of FFC to accompany the development of the EuroFire Competency Standards
- May 2007: Sevilla, Spain, at 4th International Wildland Fire Conference
- October 2008: Thessaloniki, Greece



# History of the cooperation between CTIF and GFMC (V)

- May 2010: Finalization meeting of *EuroFire Competency Standards*, hand-over of FFC Chairmanship from Mark Jones (UK) to Harvard Sormoen (N)



# EuroFire Competency Standards (I)



DEVELOPING A NEW WILDFIRE TRAINING RESOURCE FOR EUROPE

## The Target Groups

EuroFire has been developed to support:

- Fire-fighters
- The rural and land-based sector
- Sectoral organisations
- Education and training institutions



# EuroFire Competency Standards (II)



DEVELOPING A NEW WILDFIRE TRAINING RESOURCE FOR EUROPE

## EuroFire Aims

Produce training material at a basic level to support:

- Fire prevention
- Fire use
- Fire suppression





# EuroFire Competency Standards (III)



DEVELOPING A NEW WILDFIRE TRAINING RESOURCE FOR EUROPE

## Key Definitions

<b>Learning Outcome</b>	<b>Statement of what a learner knows, understands and is able to do on completion of a learning process, defined in terms of knowledge, skills and competence</b>
<b>Knowledge</b>	<b>Body of facts, principles, theories and practises that is related to a field of study or work. Can be theoretical or factual.</b>
<b>Skills</b>	<b>Ability to apply knowledge &amp; know-how to complete tasks &amp; solve problems. Can be cognitive or practical.</b>
<b>Competence</b>	<b>Proven ability to use knowledge, skills &amp; personal abilities. Described in terms of responsibility &amp; autonomy (level descriptors)</b>

# EuroFire Competency Standards (IV)



DEVELOPING A NEW WILDFIRE TRAINING RESOURCE FOR EUROPE

## Results: Standards and Training Modules

Available on the EuroFire Website:

<https://gfmc.online/eurofire/index-11.html>



# EuroFire Competency Standards (V)



DEVELOPING A NEW WILDFIRE TRAINING RESOURCE FOR EUROPE

## Results: Standards and Training Modules

**Unit EF1:** Ensure that your actions in the vegetation fire workplace reduce the risks to yourself and others

**Unit EF2:** Apply techniques and tactics to control vegetation fire

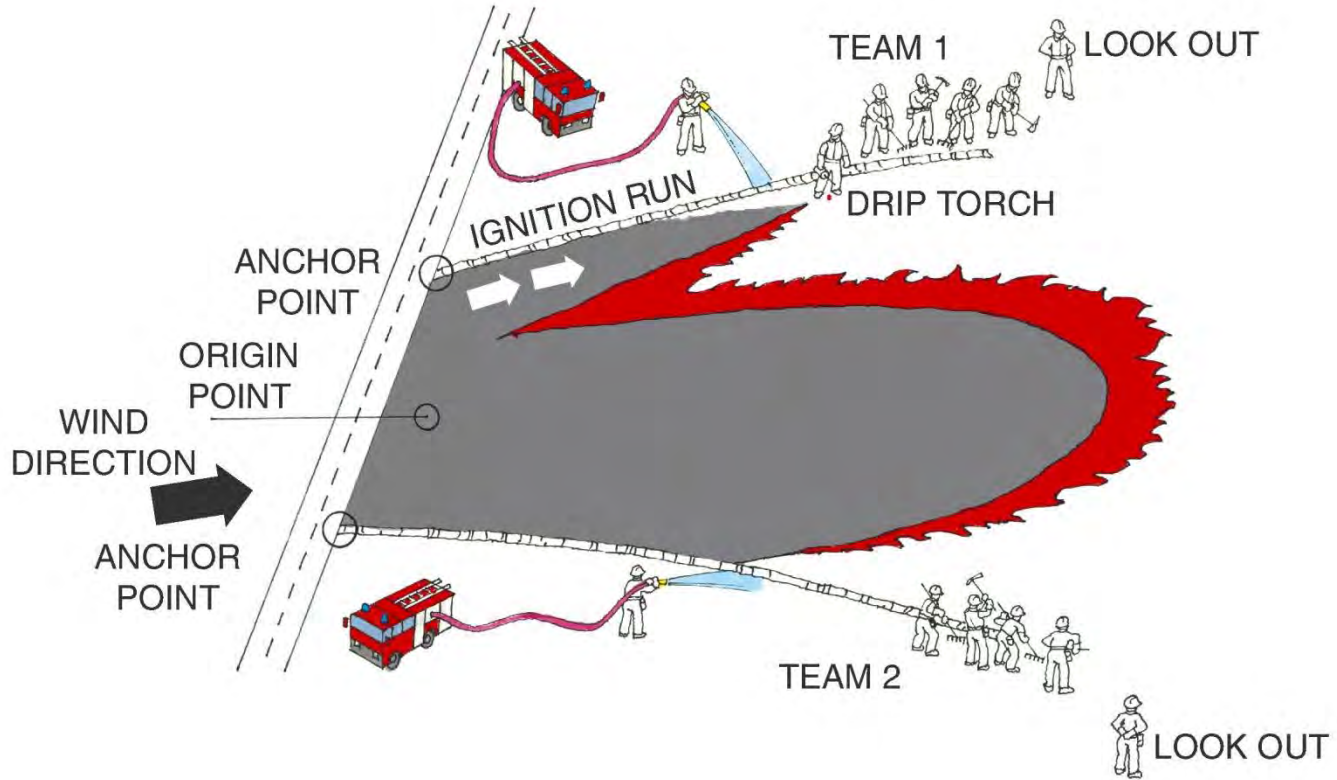
**Unit EF3:** Communicate within a team and with supervisors at vegetation fires

**Unit EF4:** Apply hand tools to control vegetation fires

**Unit EF5:** Control vegetation fires using pumped water

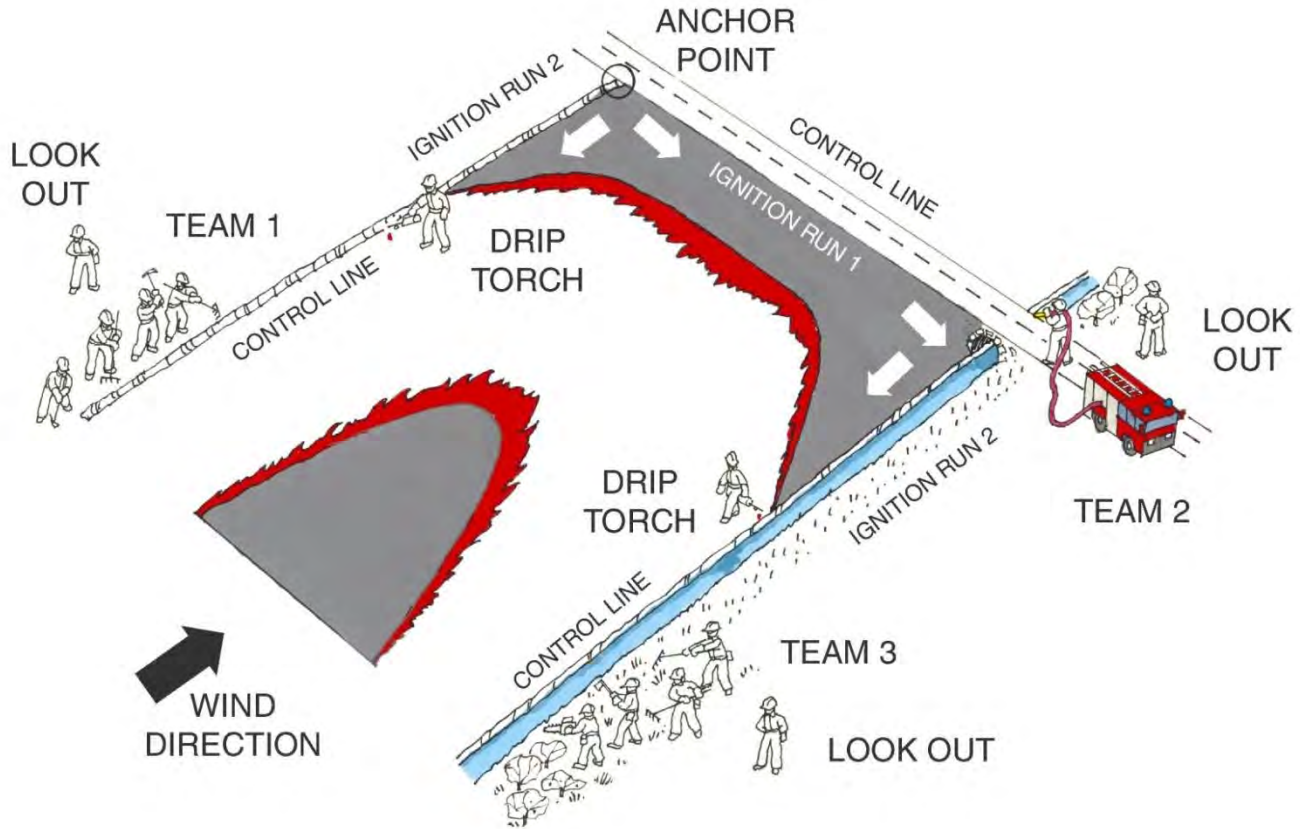
**Unit EF6:** Apply vegetation ignition techniques

# Unit EF2: Techniques and tactics



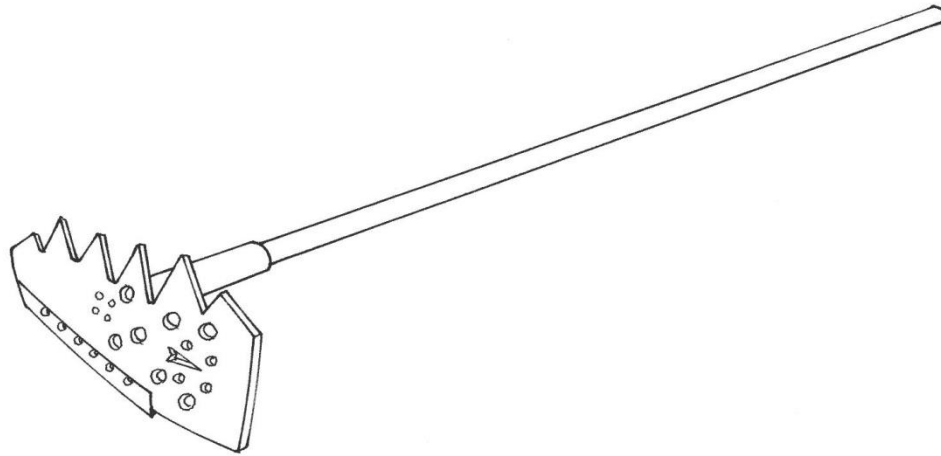
2.4.2 Parallel attack

# Unit EF2: Techniques and tactics



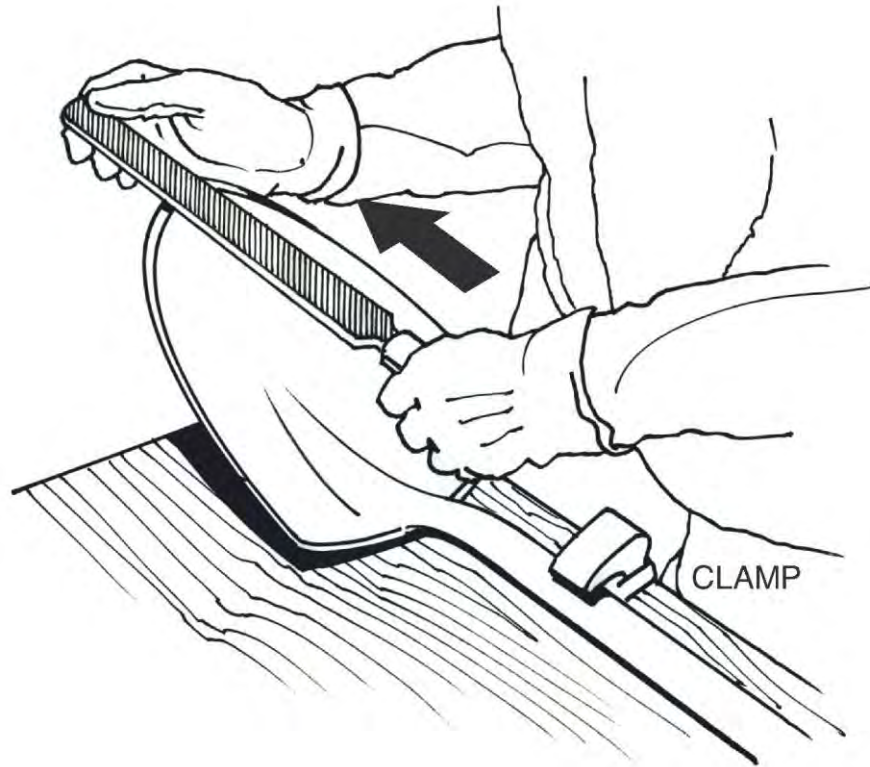
2.4.3 Indirect attack

## Unit EF4: Hand tools



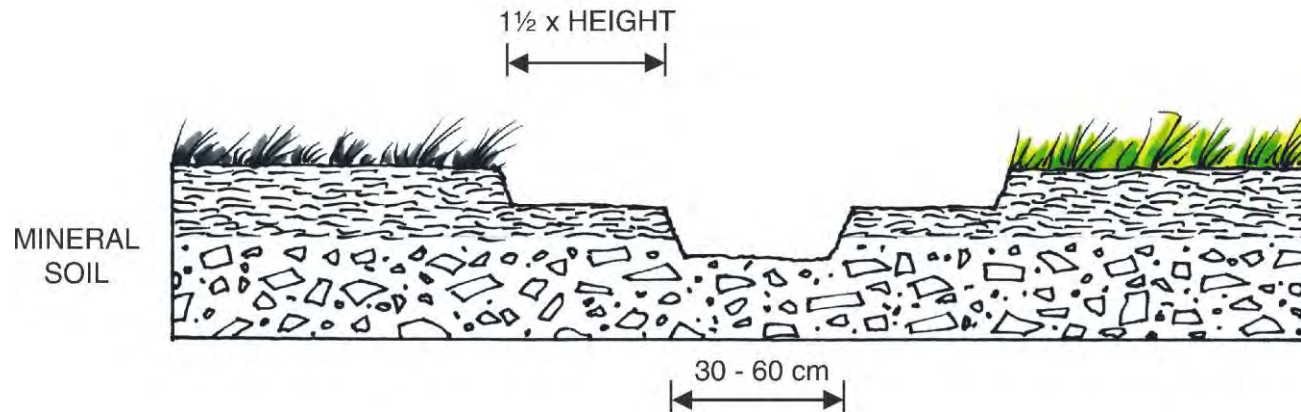
4.1.7 Gorgui combination tool

## Unit EF4: Hand tools



### 4.1.9 Maintain a shovel

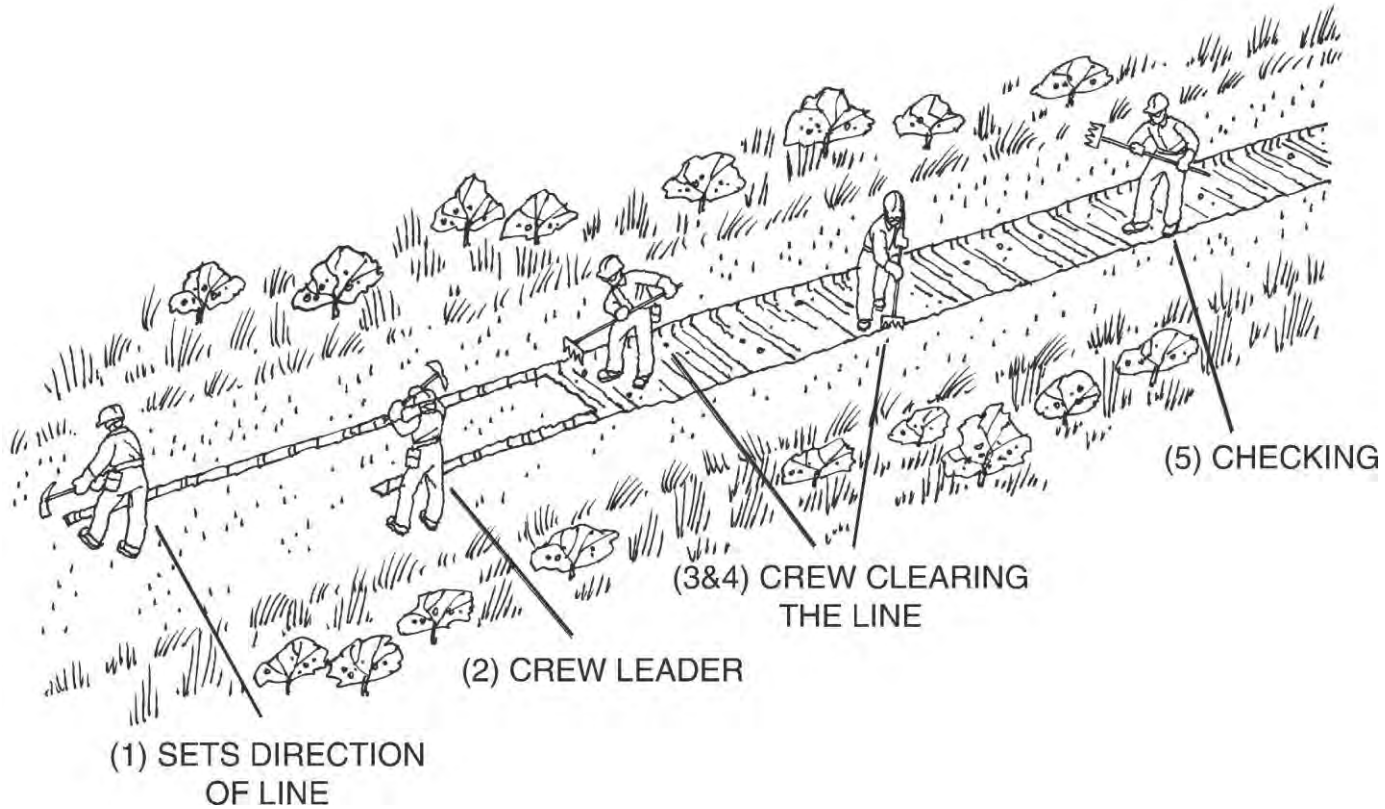
## Unit EF4: Hand tools



### 4.2.1 Fire line construction – separating fuels down to mineral soil



## Unit EF4: Hand tools



### 4.2.2 Fire line construction using hand tools

# EuroFire Competency Standards (VI)



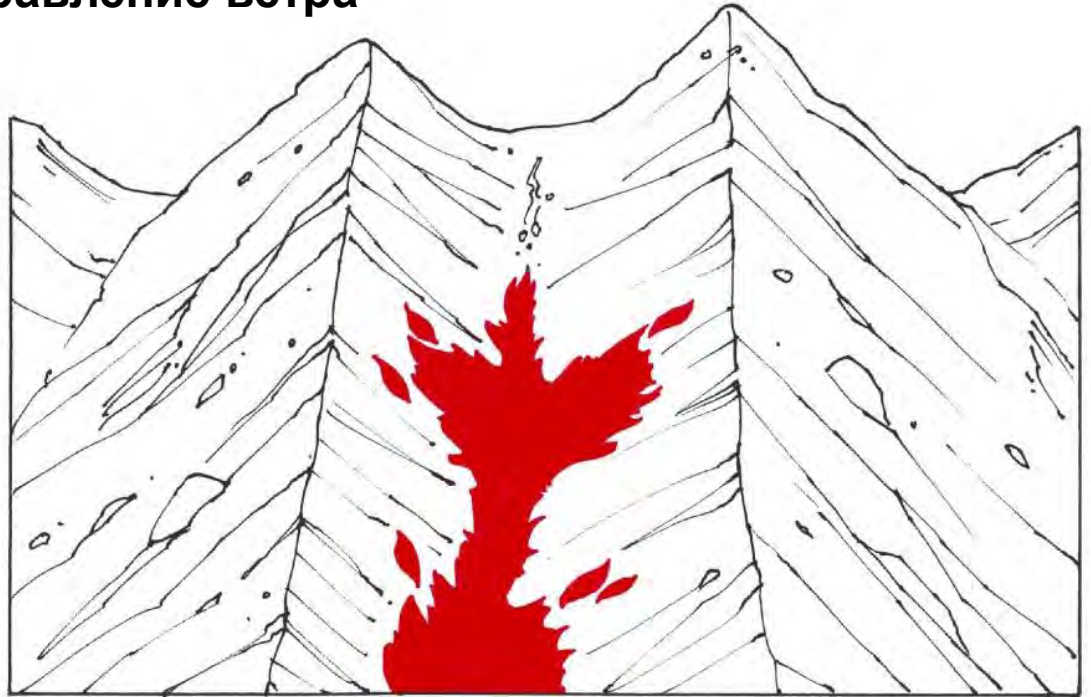
DEVELOPING A NEW WILDFIRE TRAINING RESOURCE FOR EUROPE

## First experiences:

Multinational training course in Georgia – in Russian language  
(June 2009)



## Направление ветра



## Эффект дымовой трубы

WIND DIRECTION

В узких крутых долинах тепловая конвекция, склон и ветер могут объединиться и создать чрезвычайно поведение пожара - эффект дымовой трубы (самотяга) с большими скоростями распространения и увеличением пятнистого возгорания.

Пожарные могут оказаться в ловушке.



**Персональная защитная экипировка должна защитить от:**

- Физической травмы
- Воздействия высокой температуры
- Накопления метаболического тепла

**EuroFire**

**Одежда для борьбы с огнем:**

**-Безопасный шлем и одежда**

**-Толстая рубашка и длинные брюки из толстой ткани или противопожарный комбинезон**

**-Ботинки с шерстяными носками**

**-Шерстяное и хлопчатобумажное нательное белье**

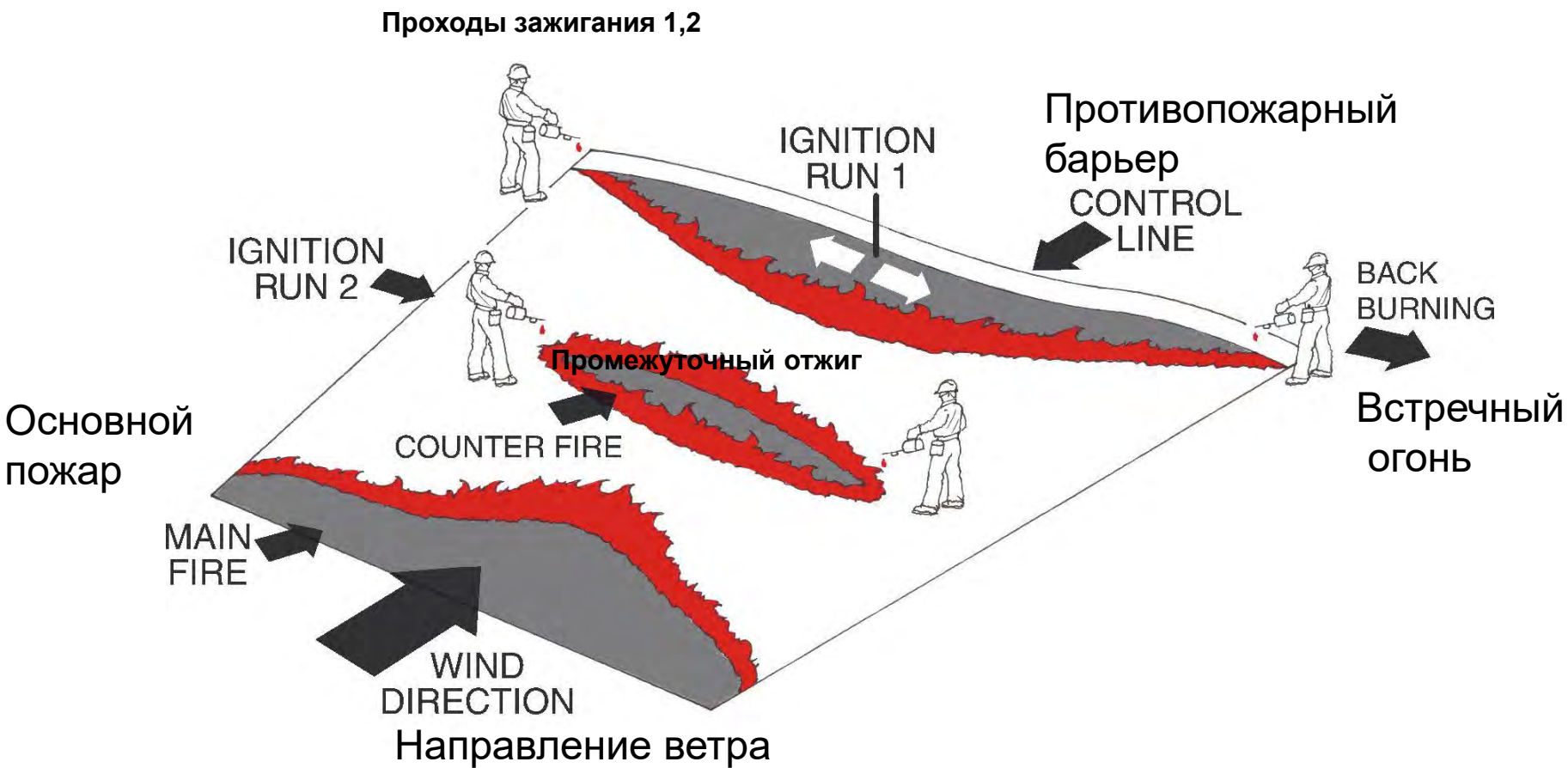
# Отряд монгольских пожарных в защитной экипировке, 2008 г.



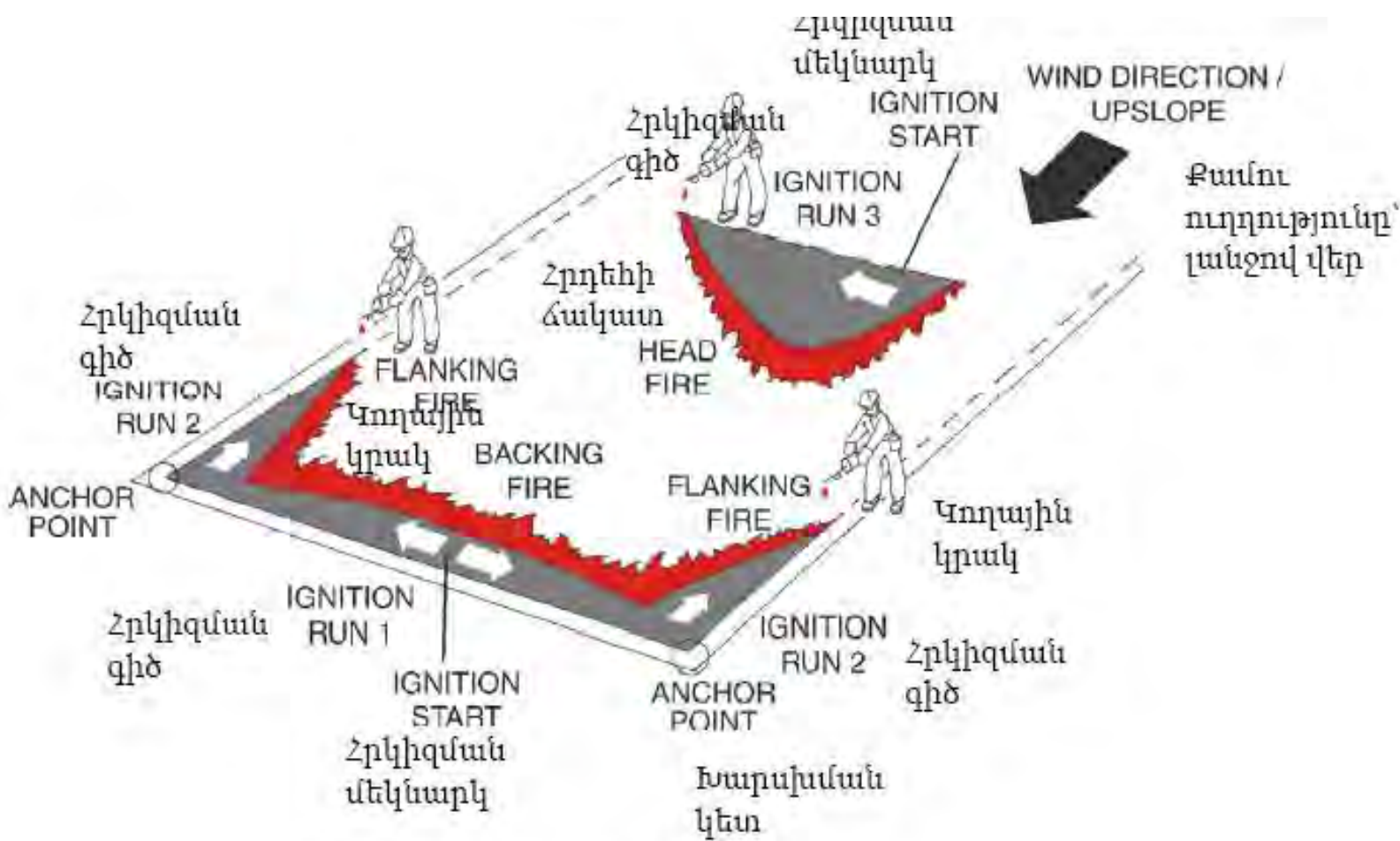
EF 6

**Применение методов  
зажигания растительности**





6.3.2 Backfiring. Тыловой огонь



6.2.6 Ճակատային հրկիզում



# Armenia Wildfire Suppression Exercise (Sep- 2011): Scenarios following EuroFire methods to be used



# EuroFire Competency Standards (VII)



DEVELOPING A NEW WILDFIRE TRAINING RESOURCE FOR EUROPE

## Qualifications to be developed (I)



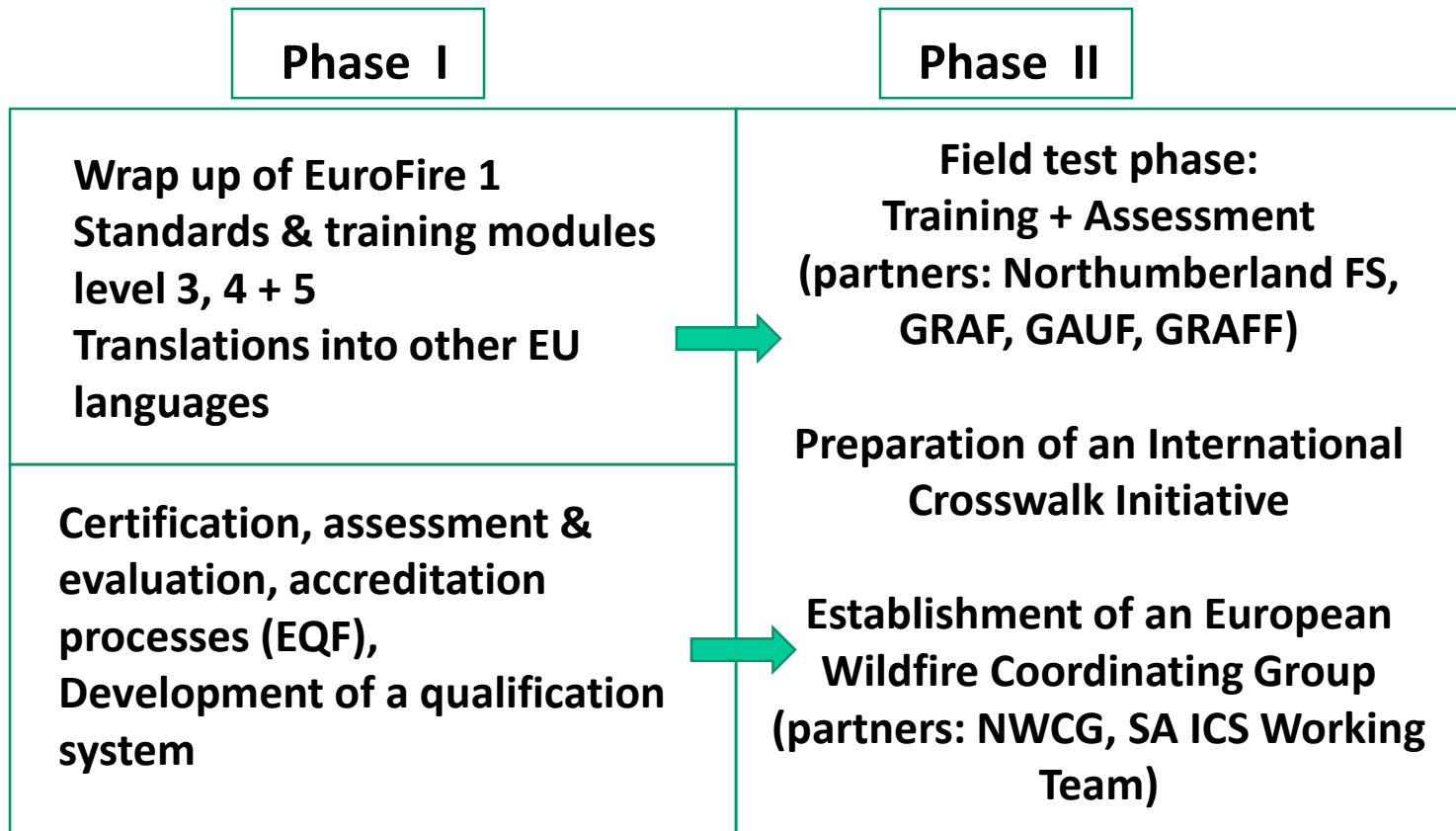
- Ignition Specialist - Tactical fire operations
- Fire Analysis – Fire behaviour signature prediction
- Prescribed Burning Planning
- Preventive Fire Planning
- Fire Weather Prediction & Analysis
- Pilot Training
- ICS Working Team

# EuroFire Competency Standards (VIII)

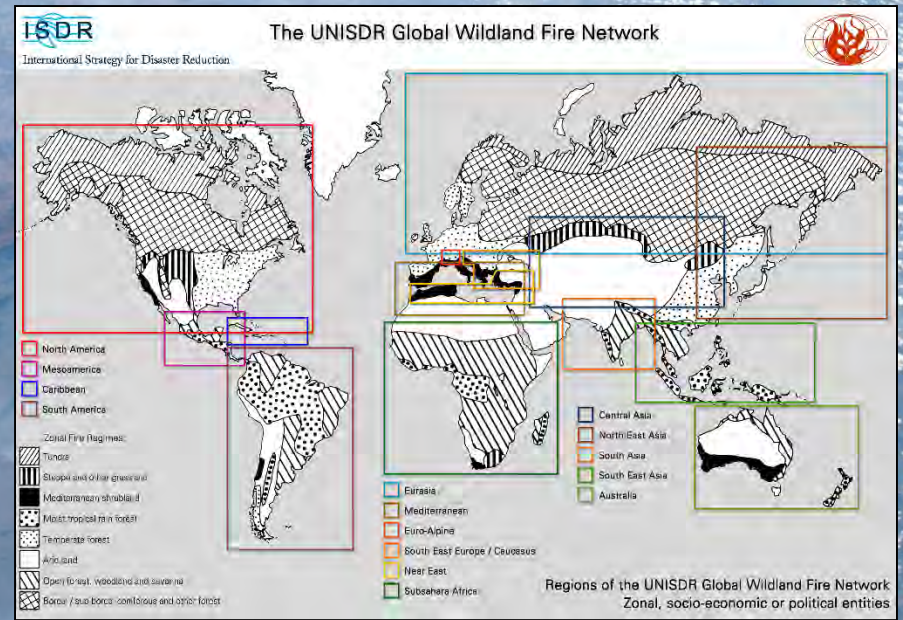
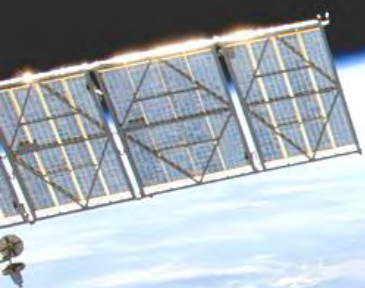


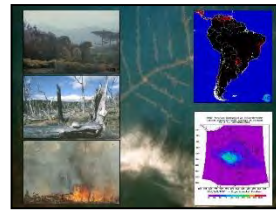
DEVELOPING A NEW WILDFIRE TRAINING RESOURCE FOR EUROPE

## Qualifications to be developed (II)



# CTIF welcome in the Global Wildland Fire Network through 14 Regional Wildland Fire Networks

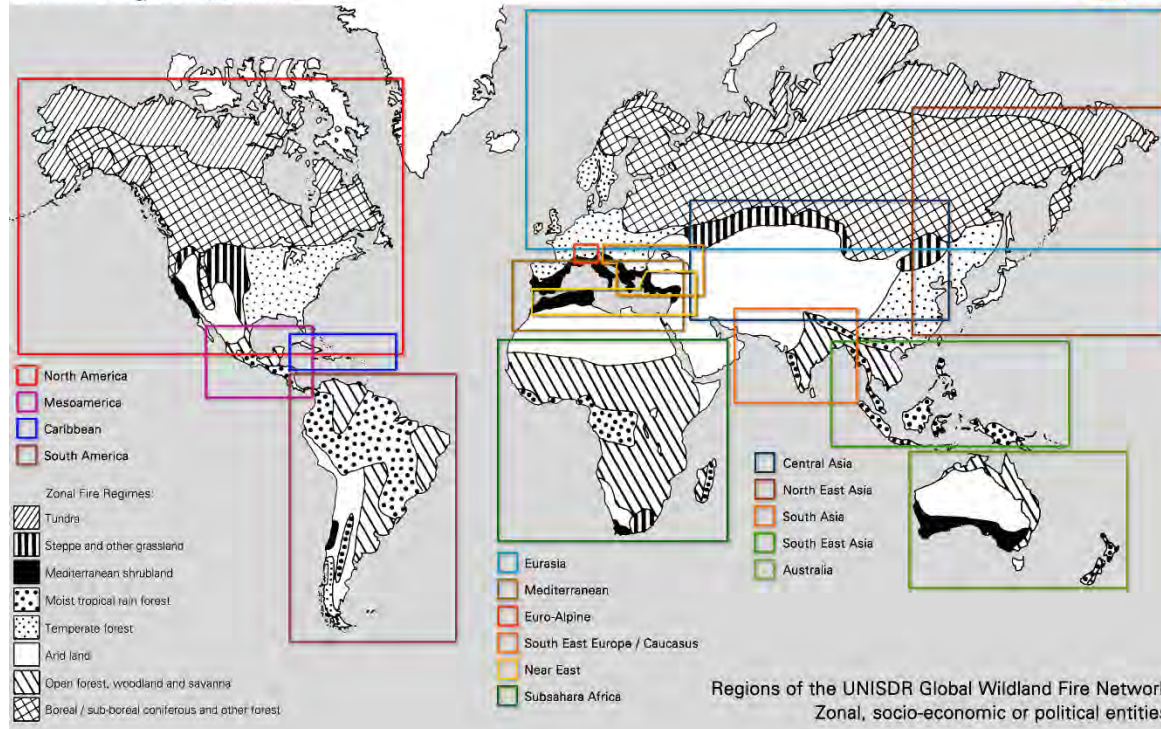




ISDR

International Strategy for Disaster Reduction

### The UNISDR Global Wildland Fire Network



**The Regions of the UNISDR Global Wildland Fire Network**  
**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**

# History of the Cooperation in Forest Fire Management in the SE Europe / Caucasus / Middle East Region (I)

- The Regional SE Europe / Caucasus Wildland Fire Network has been established in 2005 – one year after the First Regional Conference in Turkey 2004
- The network has created a thematic platform in the region and an ongoing dialogue between the participating countries, involving:
  - fire scientists
  - fire managers and
  - national agencies responsible for fire management / wildfire disaster risk reduction



# History of the Cooperation in Forest Fire Management in the SE Europe / Caucasus / Middle East Region (II)

## EASTEX FIRE 2005

Eastern European, Near East and Central Asian States Exercise on Wildland Fire Information and Resources Exchange (EASTEX FIRE 2005)

20-22 April 2005, Haskovo Region, Bulgaria

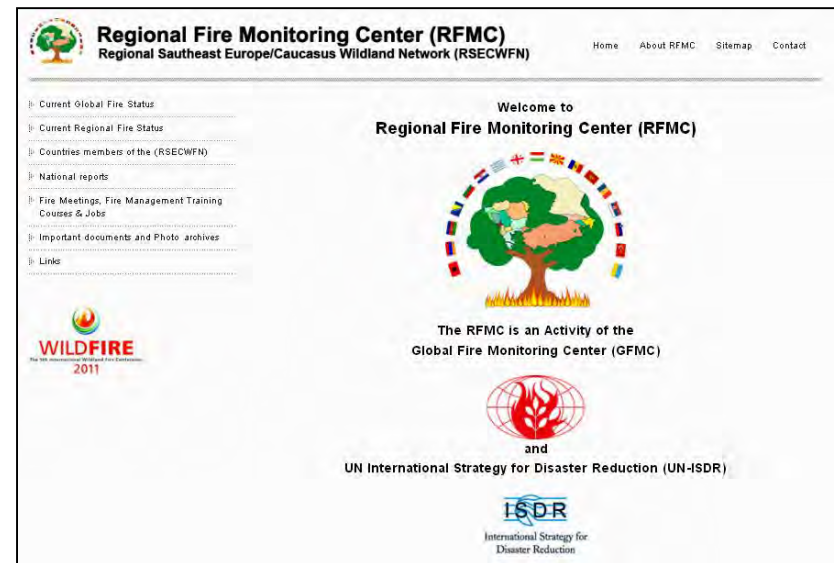
Participation: Albania, Bosnia and Herzegovina, Bulgaria, Greece, Macedonia, Romania, Serbia and Montenegro, Turkey



# History of the Cooperation in Forest Fire Management in the SE Europe / Caucasus / Middle East Region (III)

- In 2010 the Regional SE Europe / Caucasus Fire Monitoring Center (RFMC) has been established
- Location: Skopje, FYR Macedonia
- The network and RFMC constitute a regional activity within the Global Wildland Fire Network

[www.rfmc.mk](http://www.rfmc.mk)





# History of the Cooperation in Forest Fire Management in the SE Europe / Caucasus / Middle East Region (IV)

## Main objectives of the Regional Network and the RFMC (I)

- Facilitation of transboundary cooperation in fire management
- Provision of a regional database on fire-relevant information (wildland fire science, management, statistical databases)
- Networking with providers of data and information on early warning, fire danger rating, satellite derived fire information (pre-, during and post-fire)

# History of the Cooperation in Forest Fire Management in the SE Europe / Caucasus / Middle East Region (V)

## Main objectives of the Regional Network and the RFMC (II)

- Provision of information to requesting parties
- Fire situation assessments / advisory support in emergency situations
- Capacity building at all levels
- Supporting development of national and international public policies

# History of the Cooperation in Forest Fire Management in the SE Europe / Caucasus / Middle East Region (VI)

## Partners

- Main partner: Global Fire Monitoring Center (GFMC)
- UN umbrella: UN Strategy for Disaster Reduction (UNISDR)
- Political mandate: UN Economic Commission for Europe (UNECE) Team of Specialists on Forest Fire
- Finances: Supported by the Council of Europe (CoE), through its Euro-Mediterranean Major Hazards Agreement (EUR-OPA)



United Nations  
International Strategy for Disaster Reduction



# History of the Cooperation in Forest Fire Management in the SE Europe / Caucasus / Middle East Region (VII)

## Achievements – Examples (I):

- Continuous expansion of networking in the Balkan region, adjoining Eastern European countries (Ukraine and Russia), South Caucasus, and recently the Middle East
- Drafting of a regional agreement on cooperation in fire management
- National capacity building in fire management
- Regional capacity building in fire management

# History of the Cooperation in Forest Fire Management in the SE Europe / Caucasus / Middle East Region (VIII)

## Achievements – Examples (II):

- Advisory support during wildfire crises:
  - Nagorno-Karabakh conflict (2006)
  - Extreme fire summer 2007 in the Balkans
  - Georgia armed conflict (2008)
  
- Follow-up through OSCE and the Environment and Security Initiative (ENVSEC)



# Activities 2010 (I)

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

Participating countries: South Caucasus, Near East, Balkans  
and Russia



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



# Activities 2010-2011 (III)

Armenia and Azerbaijan Field Assessments  
under the frame of the “Environment and Security  
Project” (ENVSEC)





## Activities 2010-2011 (III)

Islamic Republic of Iran:

Wildfires in November and December 2010 have been monitored by GFMC

Follow-up: First Iranian Forest Fire Conference (October 2011)

Satellite image: MODIS  
Photos: © MEHR News Agency



MEHR



MEHR



MEHR

# The Black Sea / Caspian Sea Neighbourhood

## Some thoughts directed to the Southeast

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



UN - ISDR / GFMC Global Wildland Fire Network  
Regional Southeast European / Caucasus Wildland Fire Network

**Thanks for your Attention**



**Johann Georg Goldammer & Nikola Nikolov**  
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Regional SE Europe / Caucasus Fire Monitoring Center (RFMC)

