

Regional Pan-Asia / Pacific Consultation on Building Advanced National and Regional Capacities in Integrated Fire Management based on Participatory Involvement of Local Communities
20-22 November 2012, Lalitpur, Nepal

Forest Fire Regimes in the Hindu Kush-Himalayan region and Community-based Fire Management in Nepal

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Structure of Presentation

- General fire situation including 2009 fire episode in Nepal
- Recent Development
- People's initiatives (CBFiM)
- Conclusions & Areas for intervention

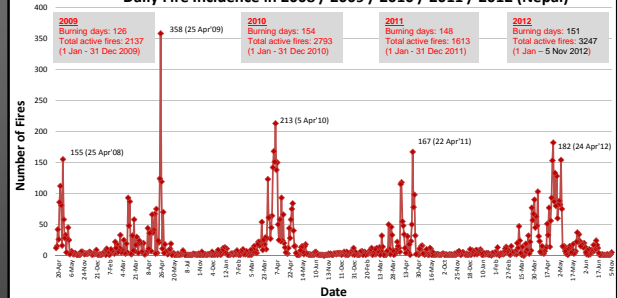
**THE
UGLY
TRUTH**

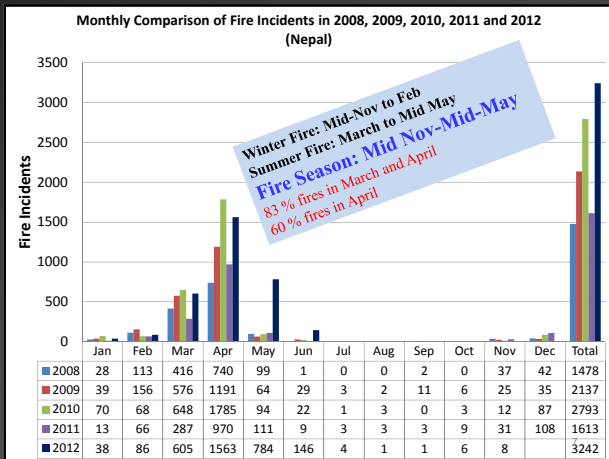
Global Fire Risk Map
(During peak fire season 2012 in Nepal)



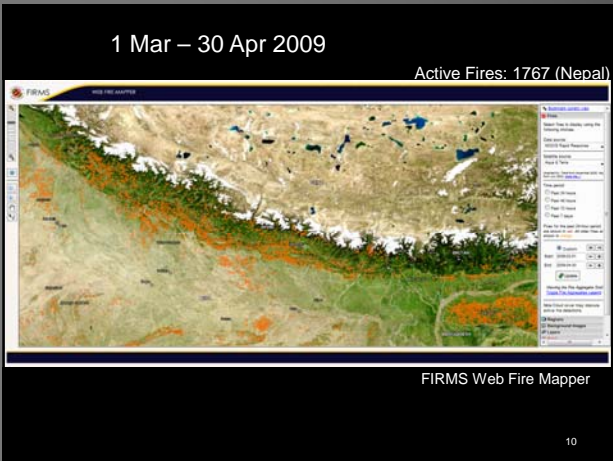
**FOREST FIRES IN NEPAL:
A case study**

Daily Fire Incidence in 2008 / 2009 / 2010 / 2011 / 2012 (Nepal)





2009 Fire Episode (Nepal)



Consequences of forest fires

Fatality 2009 (Nepal)

Country	Nepal	
	Fatalities	Injuries
Firefighters	9	0
Civilians	26	9
Militaries	14	0
Total	49	9
Country Total	58	

Source: Global Wildland Fire Fatality Report 2009 (GFMC 2010)/ UNISDR-RSAWFW Record 2009

Area Burnt (ha.)	Affected Family (No.)	Animal Loss (No.)	House Destroyed (No.)	
			Complete	Shed
146,742	516	371	64	22

Source: UNISDR-RSAWFW Record 2009

Recent Development

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Initiatives - 1

Foundation Meeting
Kathmandu, 2-3 April 2007
(under the auspices of the Global Fire Monitoring Center (GFMC) and within the UNISDR Global Wildland Fire Network)



Kathmandu Declaration 2007

- Provide platform for discussion, policy dialogue, research and development in wildland fire management in the south Asia,
- Need for institutional, legal and policy development
- Emphasis on **CBFiM**,
- Recognize the need for **international cooperation** for wildland fire management
- ...

Participating countries:

- Bangladesh
- Bhutan
- India
- Nepal
- Pakistan
- Sri Lanka

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Initiatives - 2

3-Level Wildland Fire Management Project for Nepal
August – December 2007, Nepal

- Model Community-level Forest Fire Management Planning
- Model District-level Forest Fire Management Planning
- National RT meeting for developing Strategy for wildland fire management

'Resolutions of the RT'

- emphasis on participatory approach to fire management
- legal, institutional and policy frameworks development
- human resource development





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Initiatives - 3

A Multi-stakeholders Workshop for Development of National Strategy for Forest Fire Management
22 – 23 June 2009, Dhulikhel, Kavre, Nepal

- Synthesis of Findings of Previous Initiatives
- Review on the Current Forest Fire Situation
- Development of a Forest Fire Management Strategy for Nepal

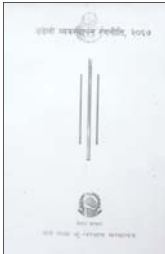



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'Forest Fire Management Strategy 2010' of Nepal

Five pillars of the Strategy

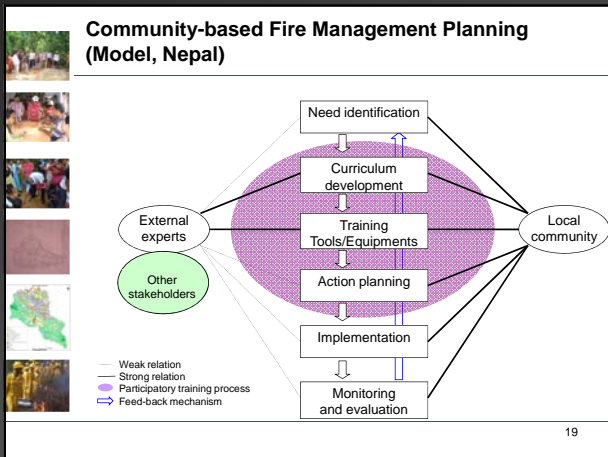
1. Policy, legal and institutional development and improvement;
2. Education, awareness raising, capacity building and technology development;
3. Participatory (involving local community) fire management and research; and
4. Coordination and collaboration, networking, and infrastructure development.
5. Forest Fire Control

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Community-based Fire Management (CBFiM) Approach (NEPAL)

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Community-based Fire Management Training Course (Nepal)

- participatory approach
- aimed at a Community Forest User's Group (CFUG)

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Community-based Fire Management Planning (Model, Nepal)

Aims

- identify users, expectations (needs) of users and planning area
- identify physical features, conditions, zones, changes and contrasts in the village environment (transect walk)
- present and analyse information on land use, forests, water and other resources and risk zones (participatory resource mapping)
- prepare 5-years action plan

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Community-based Fire Management Planning (Model, Nepal)

TOC

1. Introduction
2. Objectives of the Plan
3. Methodology
4. Description of the Forest and User Group
5. Forest Fire in Sundar CF
6. Existing Fire Management Practices
7. Community Based Fire Management Planning
8. Fire Management Action Plan

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Community-based Fire Management Training Course (Nepal)

- Formation of "Volunteer Fire Management Group"

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Conclusions and Recommendations

- **EDUCATION, AWARENESS RAISING AND CAPACITY BUILDING OF RURAL POPULATIONS (Trainings and Tools)**
- **LEADERSHIP, COOPERATION AND COMMUNICATION CAPACITIES TO EMPOWER LOCAL COMMUNITIES TO TAKE AN ACTIVE ROLE IN FIRE MANAGEMENT**

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Conclusions and Recommendations...

- Develop a national and regional (transboundary) policy and an implementation strategy for building / enhancing forest fire management capacities
- Establish a Regional Fire Management Center in Kathmandu
- Conduct country-level fire management training courses
 - Mid-level technicians
 - Field level technicians
 - Community level people
- Assist Nepal in capacity building in the use of information technologies, e.g.
 - Fire monitoring and early warning
 - Fire damage assessment
 - Land cover monitoring
- Disseminate of knowledge and expertise gained in CBFIM pilot projects in Nepal to a wider application inside the country and neighboring countries

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Thank you

Global Fire Monitoring Center (GFMC)-UNISDR-Global Wildland Fire Network web page
<http://www.fire.uni-freiburg.de/GlobalNetworks/globalNet.html>

UNISDR-Regional South Asia Wildland Fire Network web page
http://www.fire.uni-freiburg.de/GlobalNetworks/South_Asia/Front_RSAWFN.html

Nepal Forest Fire Management Chapter (NFMCC)
<http://www.nffmc.org>

Foundation Meeting report
http://www.fire.uni-freiburg.de/GlobalNetworks/South_Asia/Meetings_activities/Report-main.pdf

Round Table Meeting (Nepal) report
http://www.fire.uni-freiburg.de/GlobalNetworks/South_Asia/Meetings_activities/Round-table_Nepal.html

4th International Wildland Fire Conference web site
<http://www.fire.uni-freiburg.de/sevilla-2007.html>

Regional self Assessment, Conclusions and Recommendations
<http://www.fire.uni-freiburg.de/sevilla-2007/sessions/Session-E-South-SE-Asia-Report.pdf>

5th International Wildland Fire Conference web site
<http://www.fire.uni-freiburg.de/southafrica-2011.html>

Questions? Comments?

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