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Overview on State and Policy issues of the Carpathian Forests

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with Tommaso Anfodillo, Marco Carrer, Elisa Giacoma, Silva Lamedica and Davide Pettenella

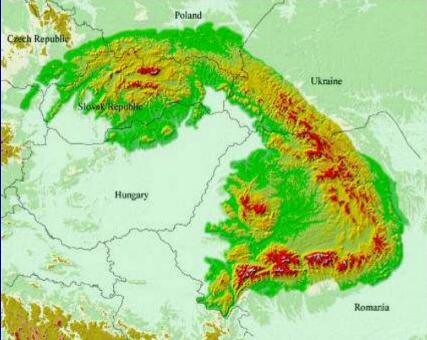


Presentation outline

Background: Carpathian mountain and the Carpathian Convention Objectives Methodology Environmental and management aspects Socio-economic and policy aspects Conclusions

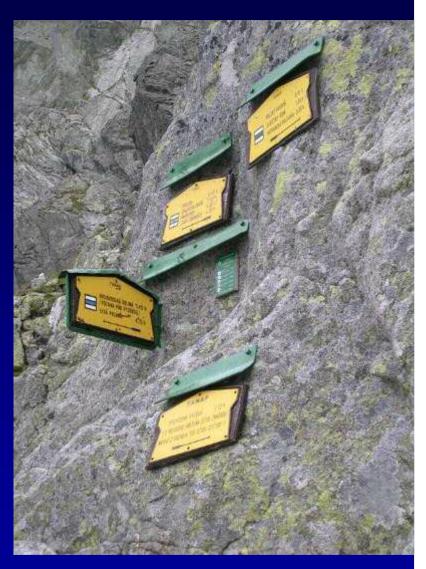
Background

Carpathian space
 Carpathian Convention
 Carpathian Project



Seven countries = Carpathian Space

- Europe's largest mountain range!
- Living environment for up to 18 million people!
- Europe's greatest reserve of pristine forest, refuge for brown bears, wolves, bison, lynx, eagles and some 200 unique plant species found nowhere else in the world
- **Continent's cleanest streams** and drinking water supplies
- **Unique** natural, historical and cultural heritage
- Haven for wildlife and ecological link within Europe



Carpathian Convention Unique agreement addressing exclusively mountain ecosystems

- Signed in May 2003
- Entry into force 4 January 2006
- Ratification by the Parliaments of all the Carpathian countries
- COP1 11-13 December 2006, Kyiv, Ukraine, COP2 -Romania 2008
- Political support of the EU, CC countries and V4:
- Carpathian Project promoted by the programme EU INTERREG IIIB CADSES
- Partnerships: MoUs with the Alpine Convention, the Ramsar Convention and Central European Initiative (CEI), cooperative agreement with EURAC



Carpathian Project



EU Community Initiative INTERREG III B CADSES Neighbourhood Programme (Carpathian Project): September 2005 - August 2008

General Strategic Process: The assessment of the forests status is a necessary implementation of the Work Package 2 Activity 2.7: Forestry and timber industry

Sectoral Studies

Water
Transport
KEO
Tourism
Forestry
Agriculture



[Draft] Report of the Workshop on

Conservation and Sustainable Use of Forests, Biological and Landscape Diversity in the Carpathian region

FAO Sub-Regional Office for Central and Eastern Europe (FAO/SEUR) Budapest, Hungary

19-20 September 2007

Ojectives



COP1

11-13 December 2006, Kyiv, Ukraine

= CURRENT STATE OF FOREST RESOURCES

description of forest resources and forest management problems

CHALLENGES AND PRIORITY FOR ADAPTING THE MANAGEMENT OF CARPATHIANS FORESTS TO NEW ENVIRONMENTAL AND SOCIO-ECONOMIC CONDITIONS

= analysis of the main policy issues connected with the protection and use of forest products and services

Methodology

General approachReasearch methodology

Science for the Carpathians -S4C

Partnership among scientific institutions for supporting the Carpathian Convention
 Members from Carpathians and non-Carpathians countries
 Network for research
 Development of new projects

Bibliographic databases (web, libraries)

Field trips:

- Romania (ICAS Suceava) August 2007
- Ukraine (URIMF Ivano-Frankivsk) October 2007
- Slovakia (FRI Zvolen) October 2007

Meetings :

- Vienna (UNEP) July 2007
- \blacklozenge
- Budapest (FAO-SEUR) September 2007
- S. Vito di Cadore Italy (Centro Studi per l'Ambiente Alpino, Università di Padova) November 2007

Questionnaires

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Environmental and management aspects

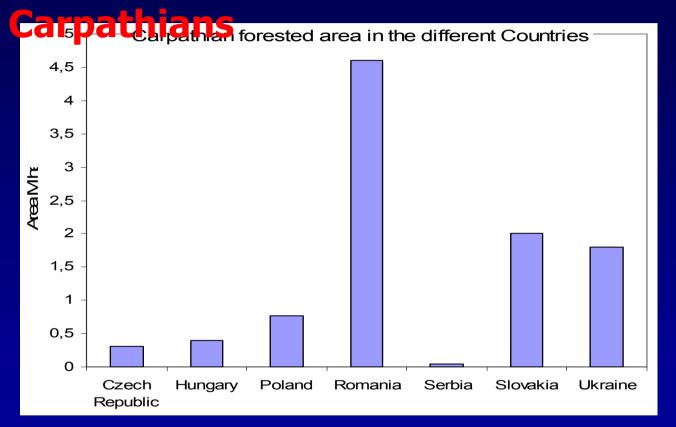


Forested area in the

Carpathians

Cui	COUNTRY AREA	FOF	REST REA	Carp. region / Country		FORE Carp. ARE region / in th Carp. Mt.s Car Regi		REA the arp.	Carp. forests / Country Forests	Carp. Region forests / Carp. Forests
	M ha	M ha	%	M ha	%	%	M ha	M ha %		%
Czech Republic	7.89	2.65	33.6%	0.71	9.0%	3.8%	0.31	43.4%	11.7%	3.1%
Hungary	9.3	1.98	21.3%	1.34	14.4%	7.2%	0.40	29.6%	20.1%	4.0%
Poland	31.27	9.00	28.8%	1.67	5.3%	8.9%	0.76	45.6%	8.4%	7.7%
Romania	23.84	6.43	27.0%	7.70	32.3%	41.2%	4.60	59.7%	71.6%	46.4%
Serbia	8.84	2.31	26.2&	0.07	0.8%	0.4%	0.04	60.1%	1.9%	0.4%
Slovakia	4.9	2.01	41.0%	3.51	71.5%	18.7%	2.01	57.3%	100.0%	20.2%
Ukraine	60.37	10.80	17.9%	3.70	6.1%	19.8%	1.80	48.6%	16.7%	18.1%
Carpathian Mountains				18.70			9.92	53.0%		

Forested area in the



Carpathian forests: ~ 10 M ha (> 50% total Carpathian area)

> 300 000 ha virgin forests

Stand composition

Carpathian Montane forests WWF Ecoregion CORINE 2000 categories

MIXED FORESTS:

Mixed spruce – silver fir – beech forests

23.13% 31.93% 44.94%

BROADLEAVES FORESTS:

Montane and submontane Beech forests,

Oak, Oak-hornbeam forests,

Alder-tree, Sycamore forests

CONIFEROUS FORESTS:

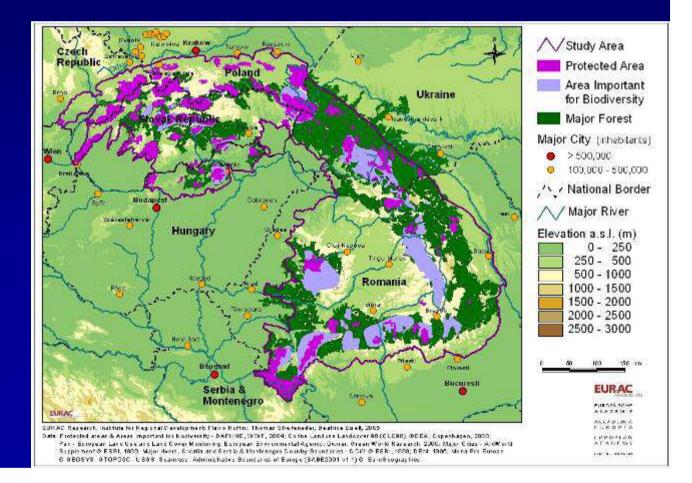
Spruce forests, Silver fir – Spruce forests

Natural composition sometimes altered by past forest management -> Spruce monocultures in the montane and sub-montane

Forest management

- Mostly even-aged forests. Clear cutting is still largely practiced (37.5% commercial forests in Slovakia, problems of private forests in Romania, ...)
- Often artificial regeneration, but natural regeneration is increasing (Slovakia: 35%, Romania: 70%)
- Adjustment of stand composition (Poland, spruce monocultures)
- Sanitary cuttings (forest damages: wind, insect pests...)

Socio-economic and policy aspects



Institutional structure

Country	National level	National Forestry Authority Regional level and ins	stitutions			
Czech Republic	Ministry of Agriculture	•	The Forest Management Institute (FMI);			
	Ministry of the Environment		The regional governments (kraje) and municipalities			
Hungary	Ministry for Agriculture and	The National Forest Authority 11 regional offices of NFA				
	Rural Development	National Water, Environment and				
		Nature Conservation Authority				
Poland	Ministry of the Environment	The National Forest Holding the State Regional Directorates of State	te Forests or directors of			
		Forests The Forest Cc	by provincial			
Romania	Ministry of Agriculture, Forestry and Rural Development	The National F Administration	lva territorial units ality (Forest			
		The National F structures	personality (the Institute).			
Serbia	Ministry of Agriculture, Forestry					
	and Water Management	State forest	e" public			
	Ministry of Science and		jement of state-			
	Environmental Protection	administration and				
Slovakia	Ministry of Agriculture	State forest enterpris	– departments of			
	Ministry of Construction and Regional Development,	State forest enterpris	es			
		Description line time.	ıt;			
		Decentralisation				
Ukraine	Cabinet of Ministers of Ukraine	State Forestry process under way	jement Committee			
	Ministry of Agricultural Policy		a, 24 regional			
	Ministry of Environmental	Old research and	al level);			
	Protection	Olu research and	; (at the local			
L		university institutions				

Policies Three main objectives:

All the Carpathian Countries have adopted **policies related to sustainable forestry management**

- to strengthen the economic function of the forest: importance of wood as a source of income for Carpathian countries
- to improve and protect the environment: maintain and appropriately enhance biodiversity carbon sequestration integrity health and resilience of Carpathian forest. E.g.:
- Czech Republic: "National Biodiversity Strategy" and "Strategy for the Protection of the Earth's Climatic System" (1999) (implements the Kyoto Protocol and proposes the creation of economic tools to promote energy savings and afforestation)
- Slovakia: "Strategy and Plan of Forestry Development"
- to contribute to a better quality of life: preservation and support cultural, traditional heritage and social dimension of forests (tourism). To reach these objectives the policies maintain and enhance the protective functions of forests.

Principles reflected by policies Integration of the 12 principles of art 7 of the Convention into the formal forestry

Principles	Y/N								
	CZ-REP	HUNG	POL	ROM	SERBIA	SLOVAK	UKRA		
Sustainable management of forest	Y	Y	Y	Y	Y	Y	Y		
resources and forests lands									
Protection of forests against pollution	Y	Y	Y	N	Y	Y	Y		
Prevention and protection against fire,	Y	Y	Y	Y	Y	Y	Y		
pests and diseases									
Public information on forests ecosystems	Y	Y/N	Y	Y	Y	Y	N		
Public participation in development,	N	Y/N	Y	Y	Y	Y	Y		
implementation and planning of national									
forest policies									
Recognition of vital role of forests in	Y	Y/N	Y	Y	Y	Y	Y		
maintaining the ecological processes and									
balance.									
Aforrestation and reforestation	Y	Y	Y	Y	Y	Y	Y		
Assessments of economic and non	Y	Ν	Y	N	Y	Y	Y		
economic values of forest goods and									
services									
Protection of natural forest areas	Y	Y	Y	Y	Y	Y	Y		
Protection of ecologically representative or	Y	Y	Y	Y	Y	Y	Y		
unique types of forests									
Consideration of alternative uses of forests	Y	Y/N	Y	Y	N	N	N		
Ensure appropriate retention of	N	Y/N	Y	Y	N	Y	Y		
precipitation in the mountains for flood									
prevention									

Forestry legislation (1/2)

All countries have at least one general act dedicated to forests

Only Ukraine has Moratorium on clear cuts on mountain slopes in the beech-fir forests specific for the Carpathians Main concerns in the national legislations: forest management planning and conservation of biodiversity and the ecological functions of the forests

Examples:

Poland has adopted a "Regulation on the improvement of forest management according to ecological rules". It prescribes for example:

- the maintenance of riparian forests and the protection of forest wetlands
- the preparation of nature conservation programmes as annexes to forest management plans
- the promotion of natural forest regeneration
- restrictions on clear-cuts

Forestry legislation (2/2)

- Czech "Act on Forests" defines the preconditions for the preservation of the forests their care and regeneration and for support for sustainable forest management
- Serbian "Law on Forests" is in force but a new law is in preparation and the future legislation will be harmonized with the EU legislation
- **Romania:** many laws and reconstruction of and logging activities which activities. These numerous a **inconsistency betw** inconsistency between each other: for instance som ire legislation and law in contradiction with the "La implementation (e.g. : permission for the hunting c **Romania for harvesting** Ukraine: inconsistencies bet Fund" and the "Land and For ive authorization) sanitary cuts on the territory protection zones of biosphe →room for mu while the *Forestry Code* imperent exchange and \rightarrow room for mutual rks such measures

Forest land restitution (1/2)

Problems caused by the restitution: creation of a very large numbers of private forest owners many with small holdings (<5ha) and limited background in forest management

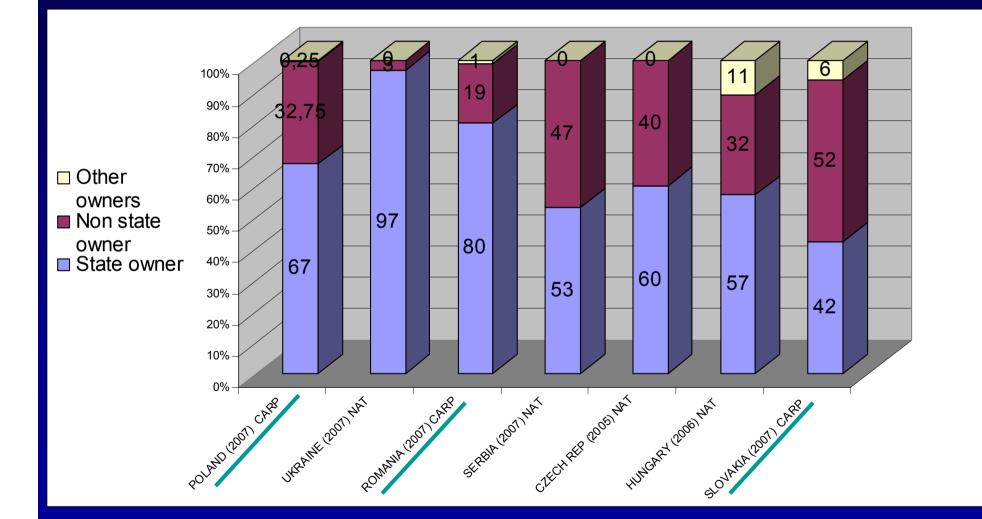
In Carpathian area there are **828 000 private forests** (2007) for a total area of **2.3 M ha Ownership fragmentation** is a special problem in the Czech Republic, Poland, Serbia and Romania

- Poland: Polish State Liberation Committee (Decree of 12 December 1944): private forests owners (> 25 ha) loose properties in favour of the (State) Treasury
- National policy excludes privatisation of the State Forests. Restitution only after payment
- Hungary: the process has been declared ended after:
 - Law on compensation (passed in 1991; entered into effect in 1992)
 - Law on the dissolution of socialist co-operative farms (1992)

Forest land restitution (1/2)

- Romania:
 - Law no 18/1991: approx 0.3 M ha of forests were returned to private;
 - Law no 1/2000: approx. 1.9 M ha of forests were returned to the private owners;
 - Law no 247/2005: approx. 0.3 M ha were returned (at the end of 2006)
- Serbia: restitution of forests to churches in Serbia is not performed yet
- Slovakia: final phase. Still 7% of private forests
- **Ukraine**: restitution not the main issues in forest policy reforming. Two reasons:
 - different historical developments of Western and Eastern Ukraine (problems to find information about former owners before Second World War)
 - a fear that forests would be destroyed immediately if privatized

Forest ownership structure



Illegal Logging

A se	nsible	oroblem for		Carpathian Region			
publ			of	The volume	Percentage of the total		
→ A actic	priority on?	/ area "for po 1000 m3 (2003)	volume logged		logged illegally 1000 m3 (2007)	volume logged (2007)	
Slov	akia	62.4		~1%	62.4	~1%	
Ukra	line	83.8		<1%	11.1	0.26%	
Rom	ania	80.8		<1%			
Pola	nd	34.6		~1%	15.3	0.3%	
	(2001)	148		1%			
	rce: UNEC orts)	E/FAO 2004 (III)	egal log	ging es	timates from co	untry	

SFM certification (2007)

	PEF0 National		Carpathian	Regions	FSC National		Carpathian regions		
	ha	forest	ha	forest	ha	forest	ha	forest	
CZECH REP	1 940 142	1	0	0	14 554	4	0	0	
SLOVAKIA	537 120	2	537 120	2	162 251	6	162 251	6	
HUNGARY	0	0	SFM standard development						
POLAND	0	0					opnen	3	
UKRAINE	0	0	\rightarrow	\rightarrow room for mutual					
ROMANIA	0	0	exchange and						
SERBIA	0	0	laa	armon	ization	1	0	0	
TOTAL	2 477 262	3	537 120 2 7 585 532 48 1 941 812				12		

Source: <u>www fsc org</u> and <u>www pefc org</u>

Conclusions

Main obstacles
 Some priority fields of actions
 Spillovers



Main obstacles

- Lack of financial tools to turn private owners and forest managers towards sustainable forestry
 - traditional method of logging (large clear cuts) used of past
 - introduction of non-natural species
 - inadequate wildlife management
- Technical support to private forest owners and forest associations: inadequate support for forest protection, logging techniques and forest planning
- A low awareness among the public and lack of understanding among State authority representatives and forests managers
- Participative approaches and the role of civil society in forest resources management

Model forests

International Model Forest Network LANDSCAPES + PARTNERSHIPS + SUSTAINABILITY

rancak - Españo

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- Tools and Templates
- + What is a Model Forest?

About the International N

The International Model Forest Network (IMF [SFM] and use.

Model forests don't just happen by themselve Someone has to plant the initial seed, to infor IMFN. It converts the collective experience at

The international Network's Goal

The primary goal of the international program ensure that all partners, regardless of political forest-based landscapes.

Our three key objectives are:

- To foster international cooperation an
- To support international cooperation it
- · To support ongoing international discu

As a long-term goal, the Network will serve a forests will share their knowledge and encour benefits for humanity.

The Secretariat

The model forest approach was first brought ("Internationalize" its thriving, innovative Mor-International Development Research Centre sustainable manner.

The role of IMPNS is to facilitate the creation Secretariat provides the central day-to-day co where there is no regional network in place, s

- · Networking between sites and regions
- · Assistance in resource expansion
- Technical and logistical issues in establishing and operating model forests.
- · Communications, advocacy and outreach
- Targeted program support (as available)
- · Partnership development and capacity-building
- Documentation
- · Monitoring and evaluation

http://www.imfn.net/en/

INTERNATIONAL MODEL FOREST NETWORK



Some phoney helds for

actior

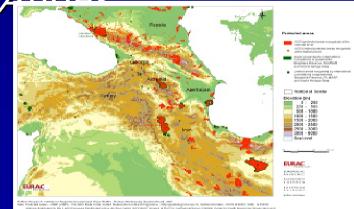
- Action plans regarding afforestation and timber cut should be adopted including the change to selected cuts (close to nature selviculture).
- Action against illegal logging (FLEGT and ENA-FLEG):
 - → law implementation, also against organized criminals
- \rightarrow poverty alleviation in rural areas
- Promotion of agri-environmental practices and traditional products (NWFP) and forest-environmental schemes (
 tourism): payments for environmental services
- Virgin forests: improving protection, monitoring, networking, + corridor
- Improvement of the system of environmental assessment of forestry activities
- Establishment of forest resource database for the

Balkan / Caucasus / HKKH

Sharing the Experience – Legal Instruments for the Protection and Sustainable Development of Mountain Regions in South Eastern Europe / the Caucasus, Bolzano 12-16 December 2005

Observers from HKH, Andes







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