Workshop "Inform-Prioritize-Collaborate: Cooperation of Regions on Innovation in Forest Management, Use of Wood and forest-related Services Bruxelles, 19 May 2014

Challenge no. 7 Improving Sustainable Forest Management Approaches and Tools

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Outline

- Setting the problem
- Tools and actions
- Conclusions

Thanks to the input by Harald Mauser from EFI (on the FTP discussions) and from Johannes Wurm (EUSTAFOR)

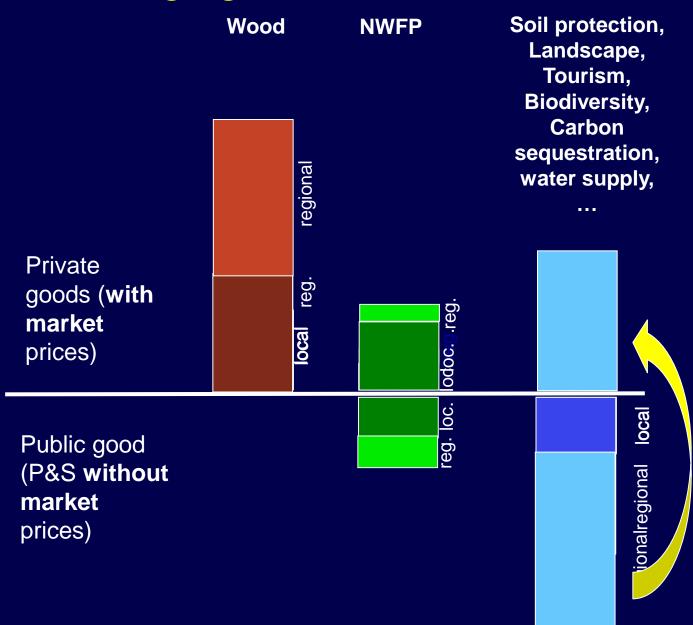
Setting the problem: why we need policy tools?



Two important components of the challenge related to the support of SFM

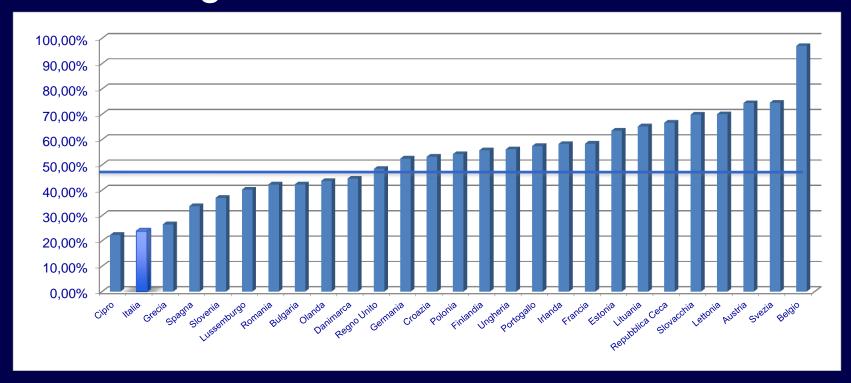
- (1) changing natural production conditions due to climate change and increasingly diverse forest stand characteristics;
- (2) growing and changing profile of multiple, sometimes conflicting demands from owners, industry and society.

A changing structure of forest P&S



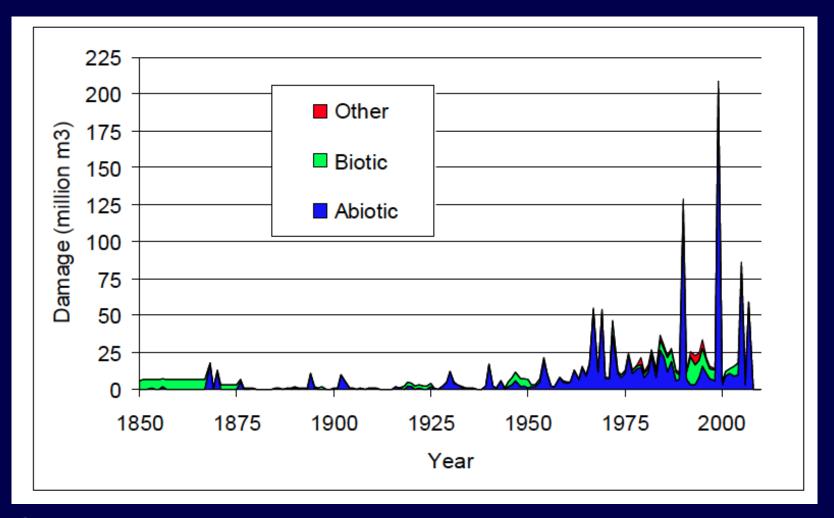
% wood harvest/NAI (2011)

EU average: 55.6%



Source: Eurostat (2013). Pocketbook on agriculture, forestry and fishery statistics - An overview of the agricultural sector in figures.

Large damaging events in European forests

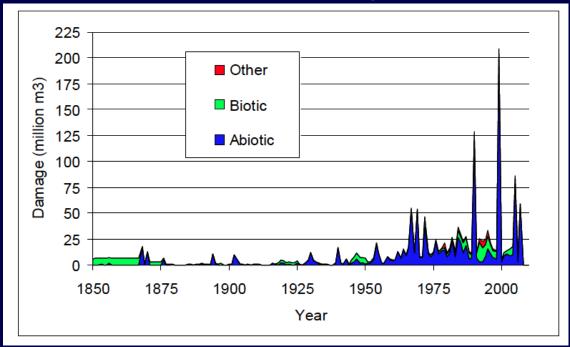


Ustable market/income

Higher costs to provide environmental services

Unstable, vulnerable forests

Schelhaas, 2008



Tools and actions: defining priorities in innovations



Tools: how to support the supply of public goods by the forestry sector?

	Tool	ls	Direct costs for the public sector	Transaction costs for the public sector	Approach	Participation by the privates
Passive: Command and control	Thresholds, limitations, constraints		Relatively low	Relatively low	Top down	Compulsory
Active: creation of new	Tax deductions, tax exemption		Relatively high			Voluntary or imposed by the State
sources of income Soft		d compensation - PES schemes	Zero costs	Relatively high	Bottom up	Voluntary Voluntary
	Marked-based instruments	- PES-like schemes	Very low	Low	Mixed	Compulsory for some parties
		- PPP- Land acquisition by public authorities or large companies (lease, concessions,)	Relatively high	Low Low	Top down	Voluntary Normally voluntary
		- Tradable permits (cap & trade schemes)	Relatively low	Low	Mixed	Compulsory for some parties
		- Certification and labelling (premium price)- Sponsoring, donations (philanthropy)	Zero costs	Zero costs	Bottom up	Voluntary
		- Information, provision of services, goods free of charge or a low prices	Relatively high	Low	Mixed	

nnovation needs (ideas from the Forest

Technology Platform in 2013)

- Identifying trade-offs and synergies of forest ecosystem services by spatial mapping of supply and demand under changing conditions
- Understanding the role of risks of disturbances.
 Integrating solutions for disturbances in forest management. Including the loss of economic value in forest growth and management models.
- Developing decision-support tools and management solutions for a balanced integration of the provision of ecosystem services in multifunctional management of forests, taking into account extreme events and climateinduced hazards.

Innovation needs (in more details)

 Up-to-date information on market development (biomass), logistic, impacts of policies

An example

CATALUÑA

EL PAÍS

Un testigo del creciente envío de biomasa a Italia es el puerto de Palamós. De allí parten la mayoría de barcos cargados con



inesistente. Per questo tipo di interventi nelle diverse fasi lavorative, dal taglio, all'esbosco e fino alla cippatura, si utilizzano mezzi e macchinari all'avanguardia che, oltre a razionalizzare la produzione, permettono di innalzare lo standard qualitativo e di sicurezza degli ambienti di lavoro.

Quando i fornitori non sono direttamente organizzati con mezzi idonei per il conferimento, le operazioni di trasporto e logistica avvengo grazie alle ditte specializzate che a suo tempo hanno investito nel progetto acquisendo i macchinari più idonei a movimentare biomassa con un basso peso volumico (in media circa 300 kg/mc), vale a dire acquisendo mezzi con grosse capacità volumetriche (tra gli 80 e i 100 metri cubi) e dotati di particolari sistemi di scarico come gli scarrabili e i piani mobili.

Il Gruppo inoltre si approvvigiona dall'estero acquistando la sansa denocciolata e con nocciolino, coltivazioni dedicate, gusci di nocciolino di Palma Africana (PKS - Palm Kernel Shell) e di mandorle.



Innovation needs (in more details)

- Up-to-date information on market development (biomass), logistic, impacts of policies
- Which optimal tree species composition and treatments in face of multifunctionality?
- How can we implement systems for Payment for Environmental Services? (a key issue in RDP)
- Which special role of public forests in ES provision and market stabilization?

Innovation needs (in more details)

- How to reduce supplies' fragmentation and lack of coordination: management and marketing services to forest owners
- NWFP development: property rights reform, contractual agreements and services to the land owners, mark of origin
- ... (your ideas)

Conclusions Looking ahead ...

... an active partnership publicprivate actors in rural development ...



Select 4 out of this list:

- 1. Identifying trade-offs and synergies of forest ecosystem services by spatial mapping of supply and demand
- 2. Integrating solutions for disturbances in forest management. Including the economic losses in forest models.
- 3. Developing decision-support tools and management solutions for a balanced integration of the provision of ecosystem services
- Up-to-date information on market development (biomass), logistic, impacts of policies
- 5. Which **optimal tree species composition and treatments** in face of multifunctionality?
- 6. How can we implement systems for **Payment for Environmental Services**? (a key issue in RDP)
- 7. Which special role of **public forests** in ES provision and market stabilization?
- 8. How to reduce supplies' fragmentation and lack of coordination: management and marketing services to forest owners
- 9. NWFP development: property rights reform, contractual agreements and services to the land owners, mark of origin

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