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

Improving Sustainable Forest Management Approaches and Tools

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Setting the problem: why we need policy tools?



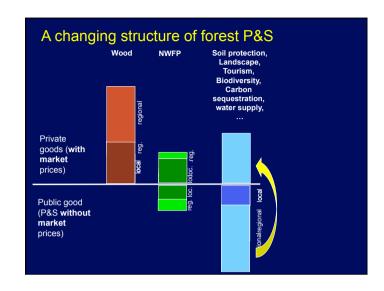
Outline

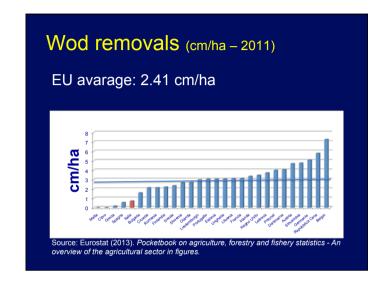
- Setting the problem
- Tools and actions
- Conclusions

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

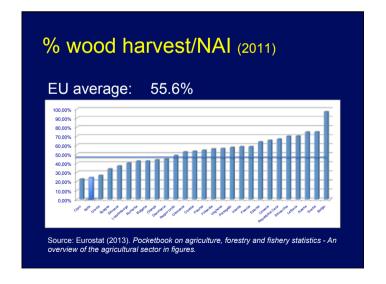
Two important components of the challenge related to the support of SFM

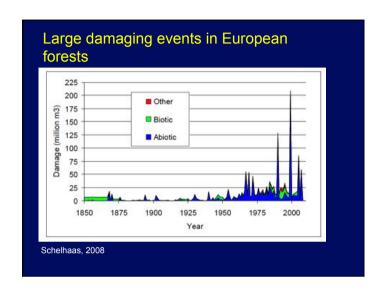
- (1) changing natural production conditions due to climate change and increasingly diverse forest stand characteristics;
- (2) growing and changing profile of multiple, sometimes conflicting demands from owners, industry and society.

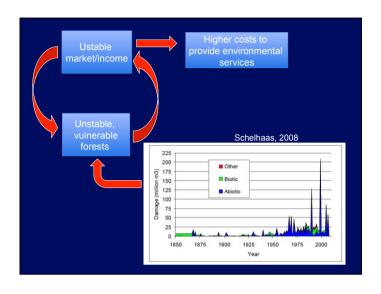






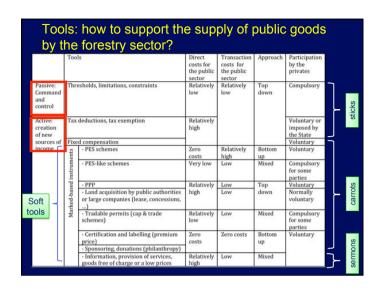






Two important challenges (1) changing natural production conditions due to climate change and increasingly diverse forest stand characteristics; (2) growing and changing profile of multiple, sometimes conflicting demands from owners, industry and society. Innovative management approaches and tools are needed. In sustainable forest management, the integration of provision of various ecosystem services and secured qualitative and quantitative supply of raw material, as well as the solid assessment of trade-offs between various management goals have to be strengthened. For this, forest owners and managers need balanced spatial segregative and integrative strategies and improved decision-support tools.



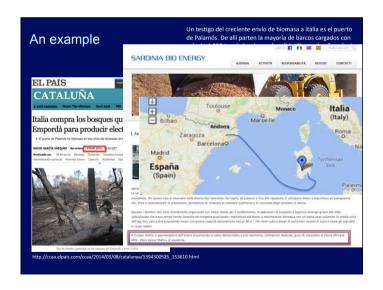


Innovation needs (in more details)

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

Innovation 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
- 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?

Conclusions Looking ahead ...

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



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)

Select 4 out of this list:

- 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
- 4. Up-to-date information on market development (biomass), logistic, impacts of policies
- 5. 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)
- 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
- NWFP development: property rights reform, contractual agreements and services to the land owners, mark of origin

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Final selection:

- Integrating solutions for disturbances in forest management. Including the economic losses in forest models.
- 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
- How to reduce supplies' fragmentation and lack of coordination: management and marketing services to forest owners