



Adapting Europe's forests to global challenges: Lessons from ALTERFOR

**ALTERFOR Side Event, Curitiba, 2019 October 1,
12:00 – 13:50**

**Moderated by Vilis Brukas,
Swedish University of Agricultural Sciences**



What is ALTERFOR?



ALTERFOR: Alternative models and robust decision-making for future forest management

EU Horizon 2020 project, following the call on improved forest management models, aiming to “produce more of everything”, and taking into account regional differences across Europe

Duration: April 2016 – September 2020

Problem → ALTERFOR → Impact



PROBLEM: Increasing risks and uncertainty associated with climatic change, policies and markets

ALTERFOR

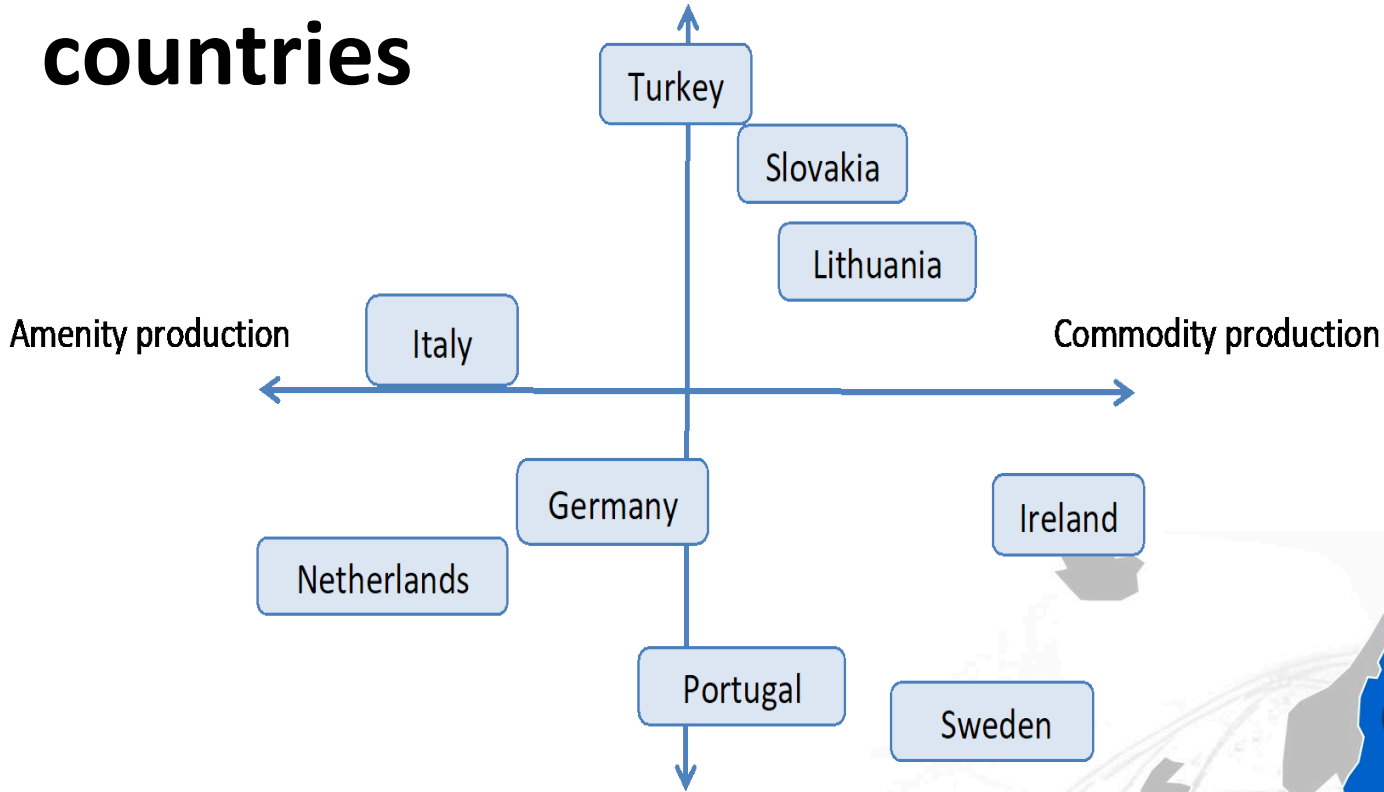
- Scenarios
- Cases
- Analysis of alternative forest management models

IMPACT: Forest stands resilient in a changing environment while preserving the capacity to provide for essential ecosystem services

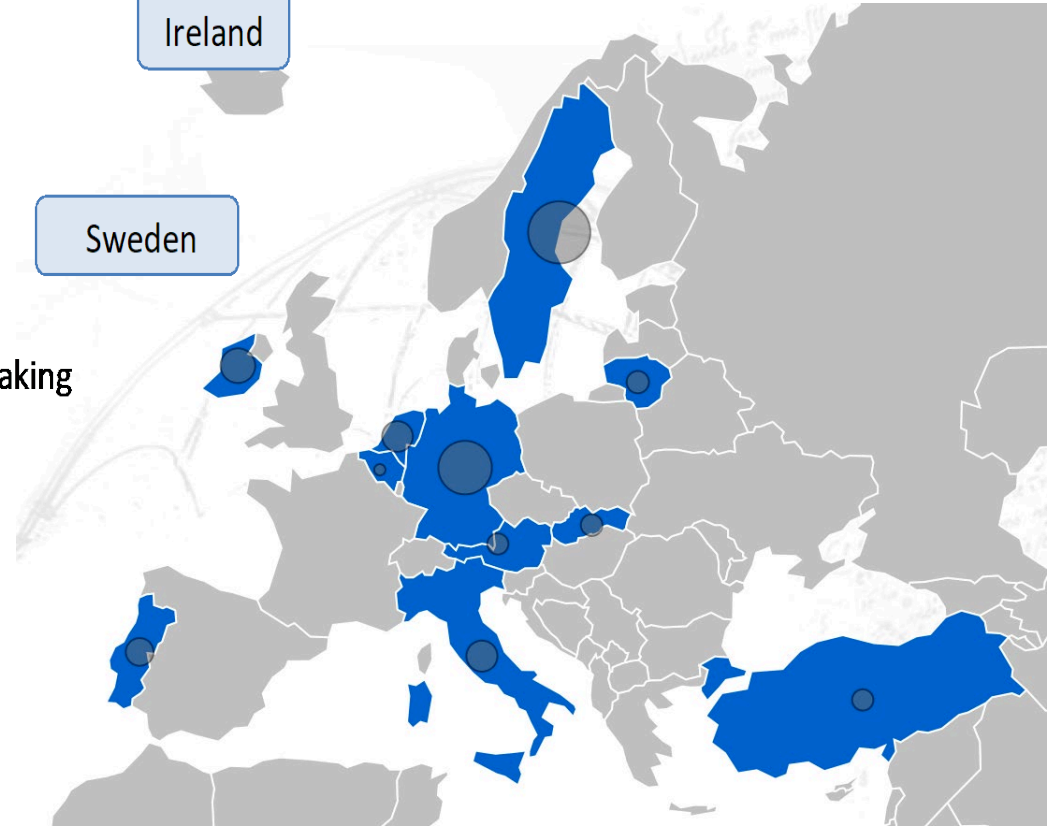
ALTERFOR countries



Centralised decision-making



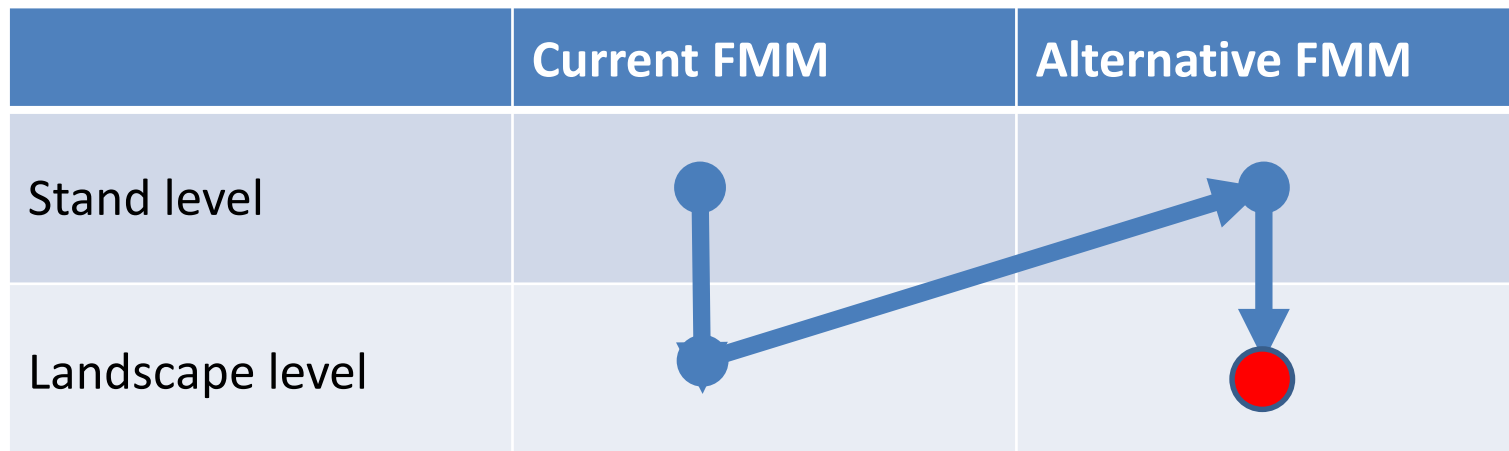
Decentralised decision-making



Forest Management Model

Stand-level FMM – a forest management approach applied at the stand level, normally spanning a silvicultural regime over decades.

Landscape-level FMM – Forest management approach at landscape level that represent a certain combination of FMMs at stand level.



Forestry aims and current FMMs of selected example countries

	Aims	Landscape level	Stand level
Sweden	To provide raw material to industries & profitable forestry for private forest owners	Minimal restrictions & lacking coordination at landscape level	Mainly conifer monocultures. Silviculture for productivity & profitability
Lithuania	Ideal of the “normal” forest, aiming at maximised even timber flow; strong regulation.	All forests zoned as production, protective, protection or strict reserves; strict area control	Even-aged forestry using final clear felling, fixed rotations irrespective of site productivity

ALTERFOR - Basic model

Scenarios

Actors Governance structures

Current FMM in
country X

Provision of ES
under future
scenarios

ES adequate?

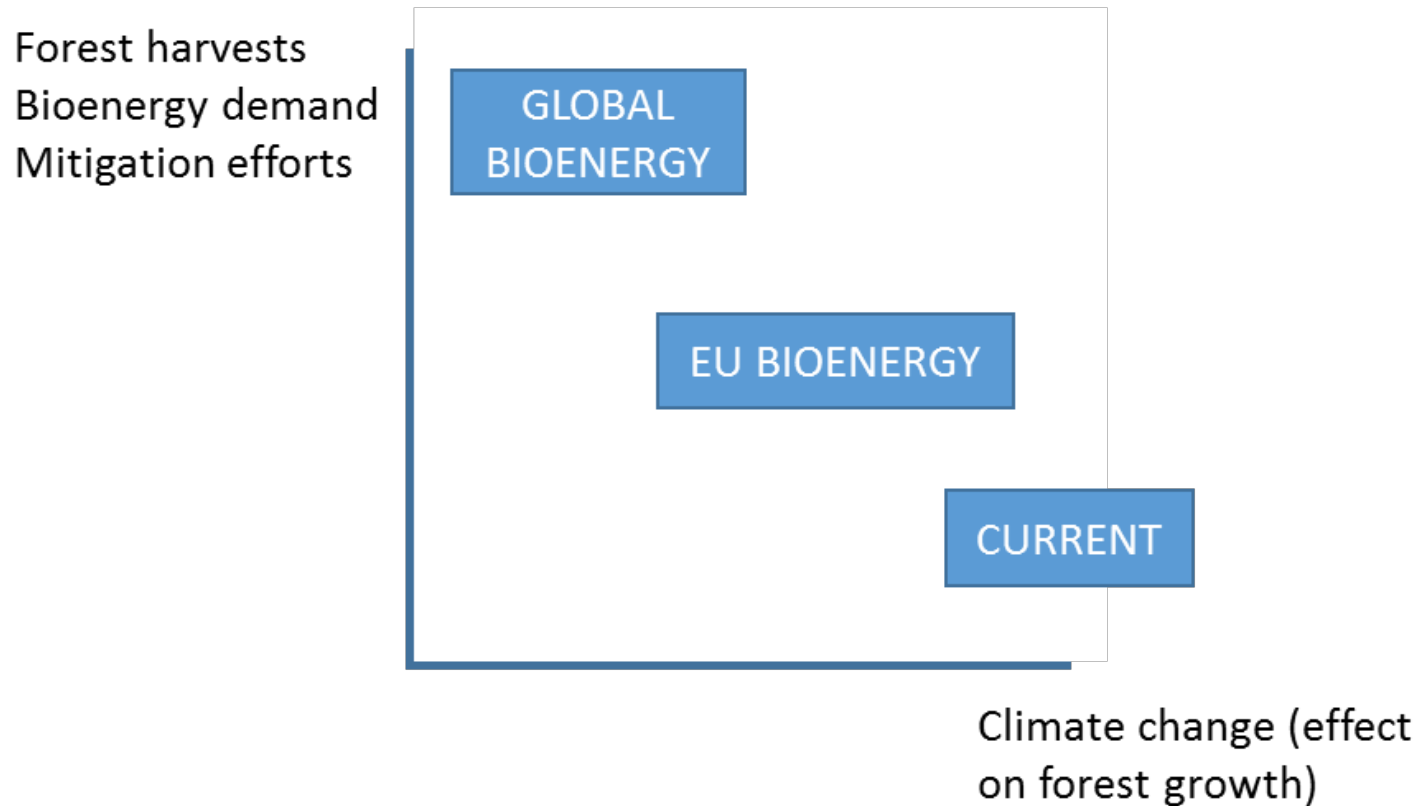
Implications for
EU?

Provision of ES in
country X

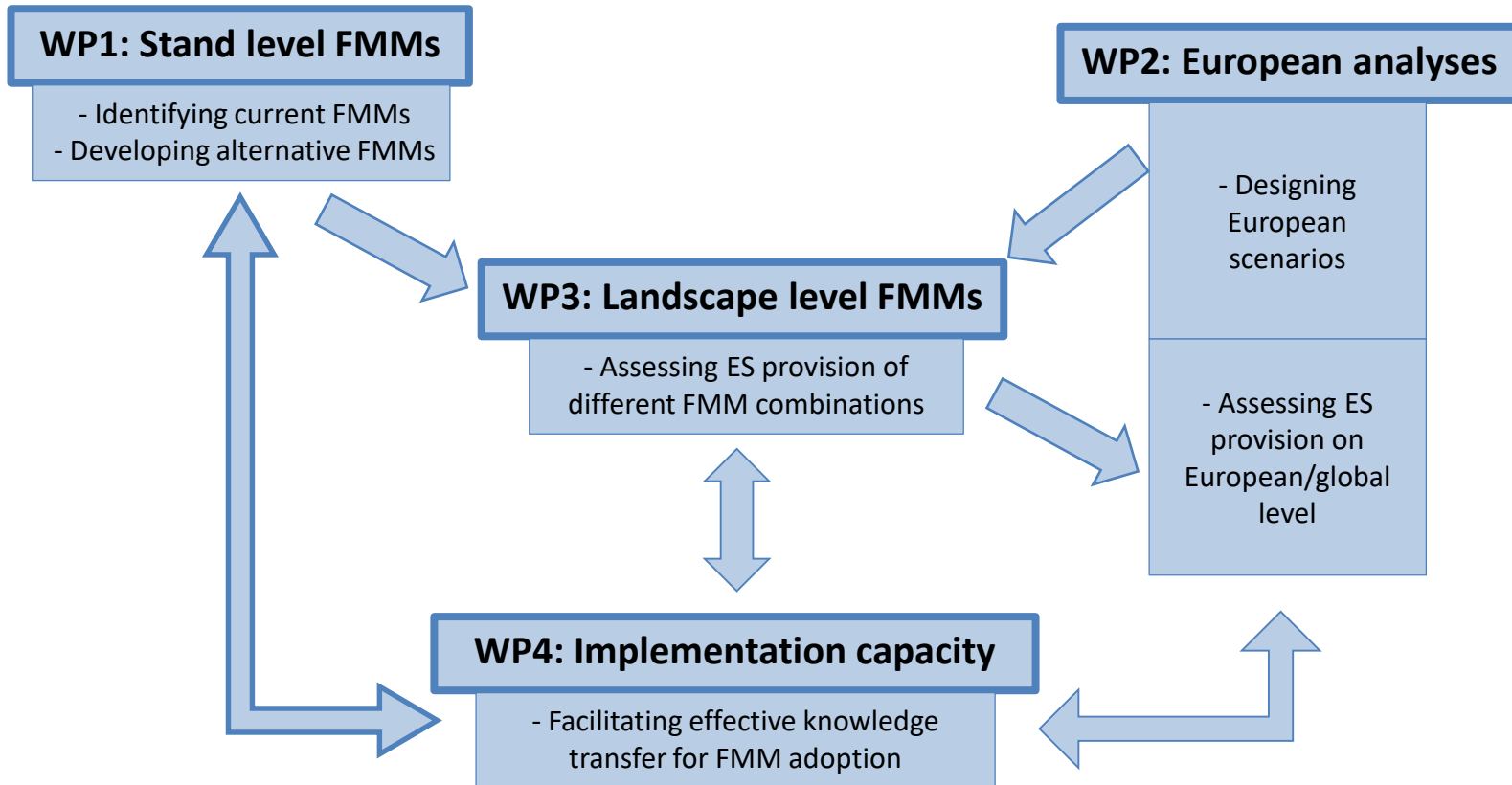
Develop new FMMs

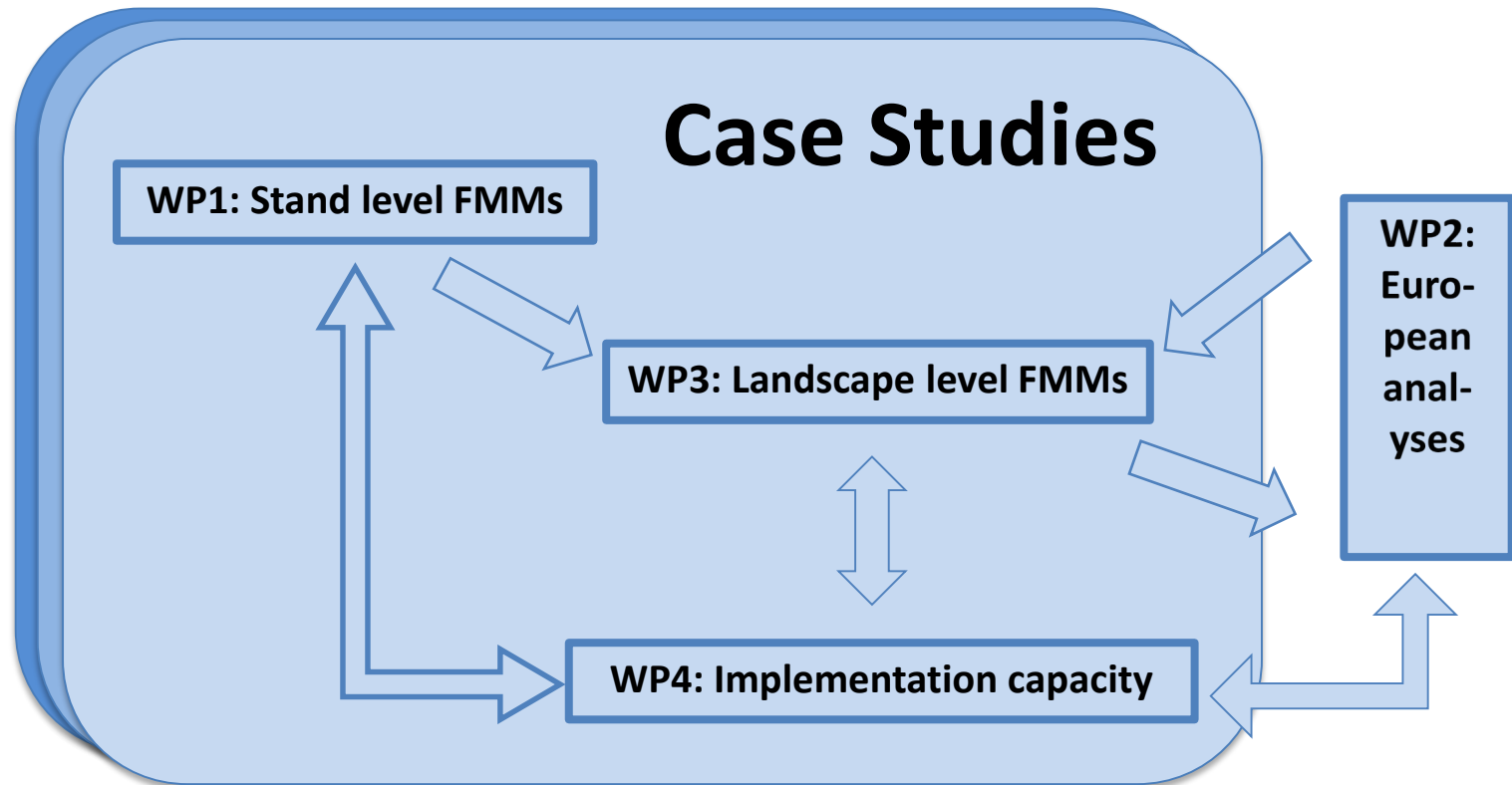


Global scenarios



ALTELFOR scientific Work Packages (WPs)







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Part 1. Insights from ALTERFOR case studies

- Case Study examples:
 - Italy: "People everywhere" [Mauro Masiero]
 - Lithuania: "Breaking the code" [Ekaterina Makrickiene & Gintautas Mozgeris]
 - Sweden: "Intensifying the intensive" [Vilis Brukas]
- Summing up: Policy implications

Part 2. Science across scales and disciplines to handle the complexity of socio-ecological systems

- From stand to landscape to continent: Ecosystem service trade-offs [Peter Biber]
- Linking scientific truth with power: knowledge transfer in ALTERFOR [Max Krott]
- Summarizing discussion