

Forestry in the biobased economy

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Forest-Based Sector
Technology Platform



FTP mission

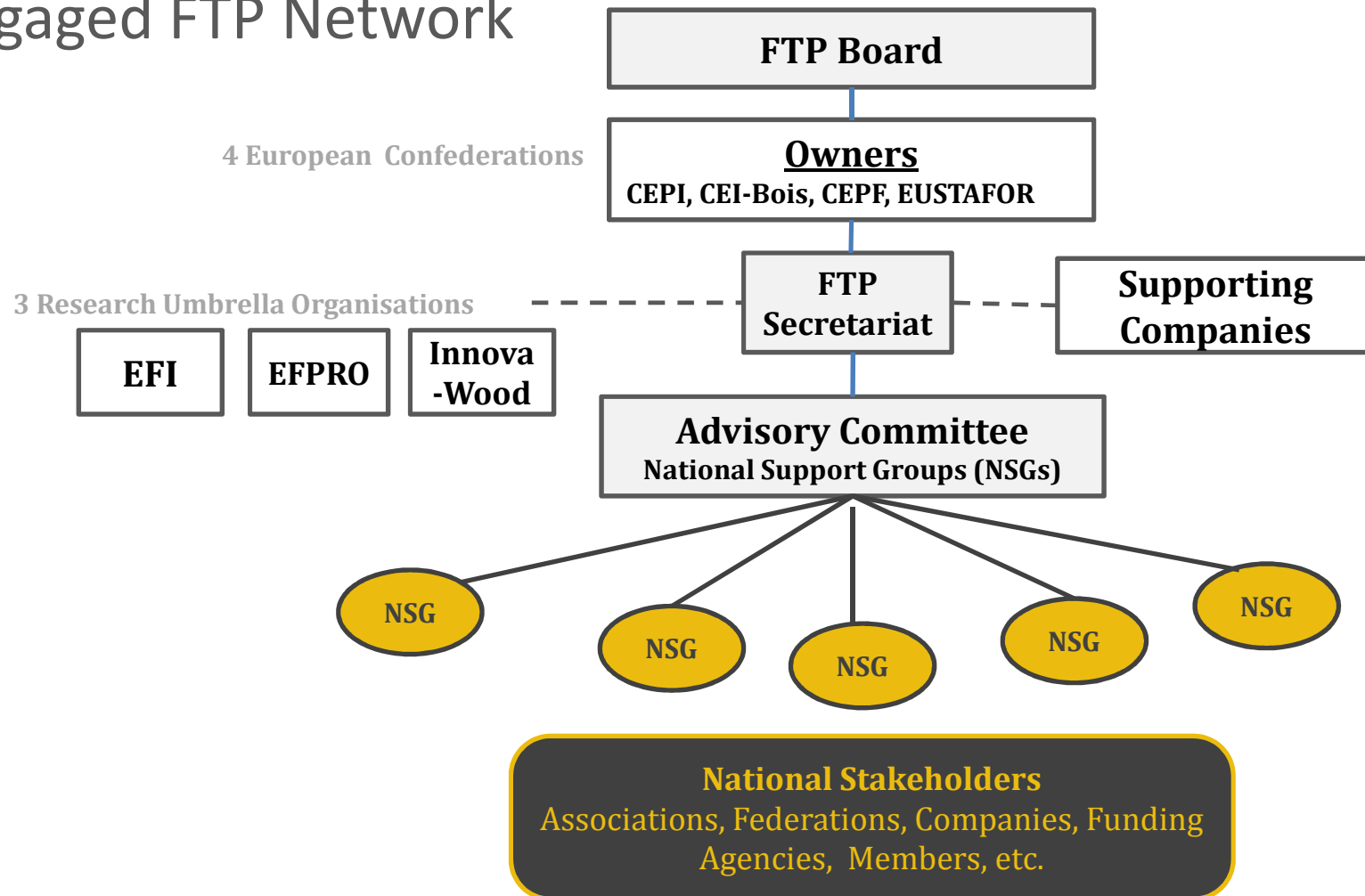
Implementation of a European Strategic Research & Innovation Agenda (SRIA) for the benefit of the actors in the forest based sector



- Create opportunities for European cooperation
- Set ambitious targets
- Mobilise a critical mass

The FTP network

Engaged FTP Network





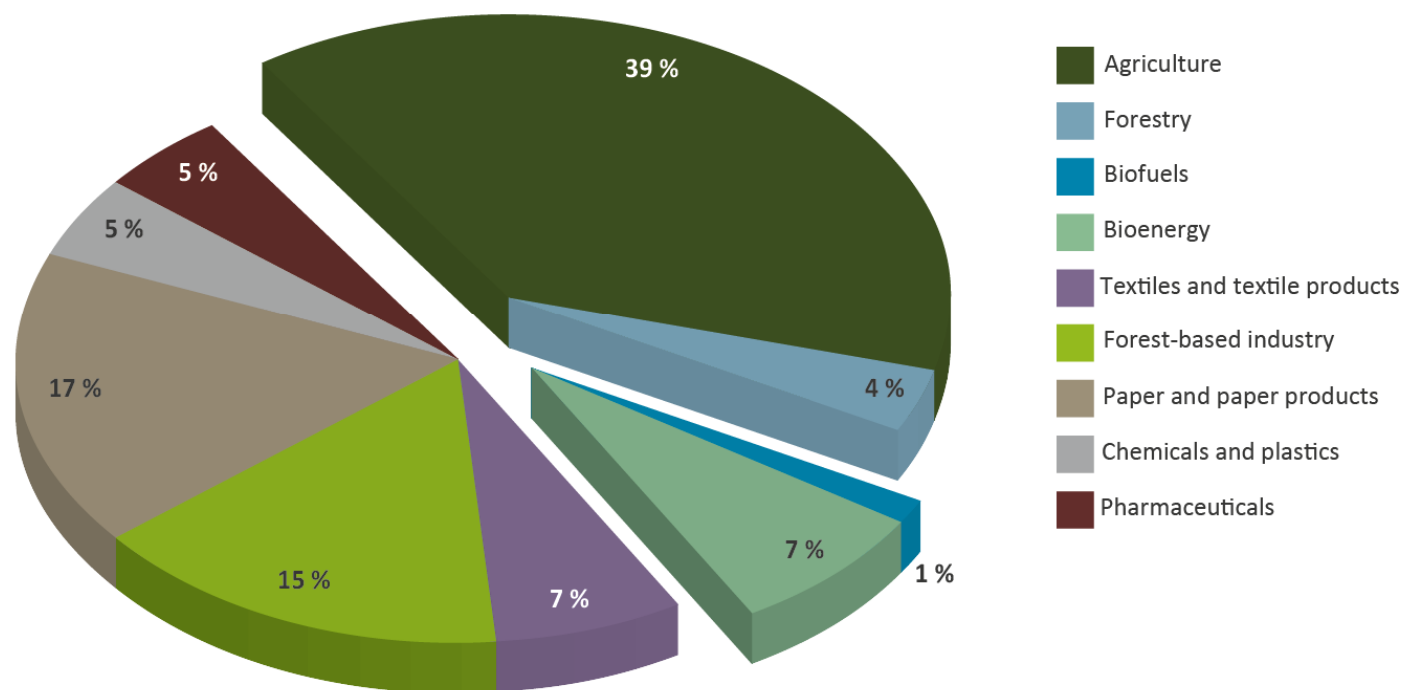
European Bioeconomy Alliance

A **unique cross-sectoral alliance** dedicated to **realising the potential of the Bioeconomy in Europe**

1. **BIC** – Bio-based Industries Consortium
2. **CEFS** – European Association of Sugar Producers
3. **CEPF** – Confederation of European Forest Owners
4. **CEPI** – Confederation of European Paper Industries
5. **COPA and COGECA** – European Farmers and European Agri-Cooperatives
6. **ePURE** – European Renewable Ethanol Producers Association
7. **EuropaBio** – The European Association for Bioindustries
8. **European Bioplastics** – European Bioplastics Association
9. **FEDIOL** – The European Vegetable Oil and Protein Meal Industry
10. **FTP** – European Technology Platform for the Forest-Based Sector
11. **PFP** – Primary Food Processors
12. **Starch Europe** – European Starch Industry Association

Economic relevance of Forest-based Bioec.

Turnover in the EU bio-based economy* (EU-28, 2013)
Total: 1 trillion Euro



Perception of the Forest-based Bioeconomy?



Perception of the FBS in Brussels "anecdotal"

- Natural rubber vs wood (Biotic materials)
- Cork vs wood
- Energy Efficient Buildings do not need wood
- Bioeconomy Business = Biotechnologies
- E-NGOs Intensification vs Sustainability, food first, harvesting = deforestation

Example: Soil damage from forestry operations

- Big problem for forest owners today (sustainability)
- Proposed solution exists
- Misguided environmental concern is perhaps main obstacle (any solution considered to open up for "intensification" of forestry operations)





FTP Vision Target #2

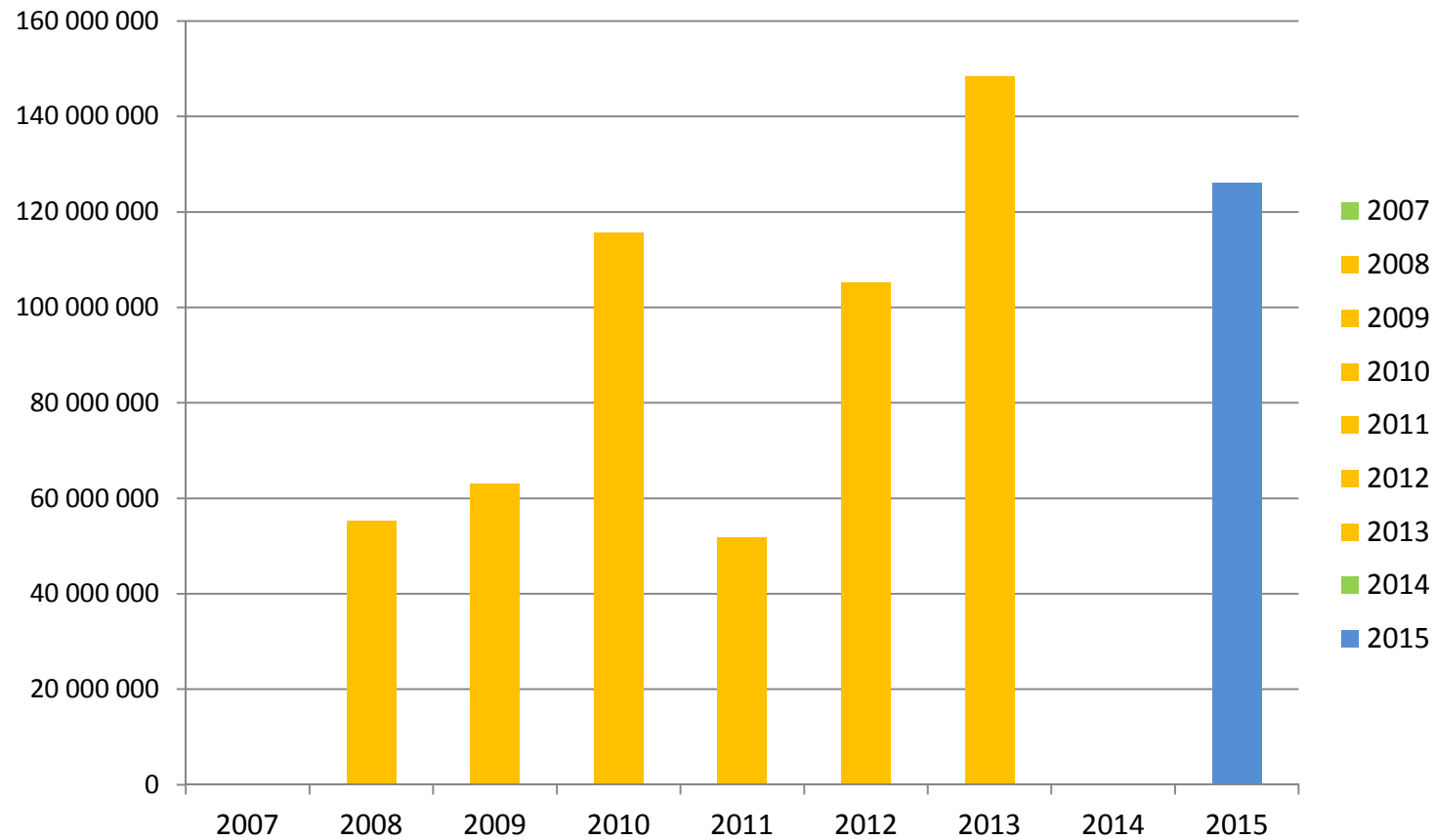
- “.... Bearing in mind the full range of demand and production constraints*, harvesting possibilities in Europe have increased by 30% (until 2030), enabling forest owners to manage their forests more efficiently and sustainably. “

* In many regions specific forest growth is increasing and management is optimised for additional harvesting possibilities. In other regions, especially in the Mediterranean area, where the impact of climate change is predicted to be severe, creating resilient, stress-tolerant forest is particularly important. In some landscapes the main aim is nature conservation and providing ecosystem services.



EU R&D funding to forest-based sector over time

Fig 1: Funding (in Euros) to the forest-based sector FP7 and H2020 (2007-2015)



Progress towards FTP Targets

Faster than expected

- Wood-based textiles
- Building with wood – Multi-storey wooden building
- Nanocellulose
- Biorefineries/multi-purpose pulp mills
- Renewable energy solutions

Slower than expected

- Wood-supply and logistics – e.g. harvesting machines
- Paper electronics
- Resource efficiency in manufacturing – e.g. paper stratification
- Building with wood – creating a growth market

Less well defined key performance indicators

- Non-wood forest products and services
- Payment for ecosystem services
- The perception of the sector in a global perspective



Thank you for your attention!

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