



Field Dialogue on
Climate Positive Forest Products (CPFP)
- Mass Timber

Background Paper overview

Edie Sonne Hall and
Barbara Reck

Key points of the Background Paper

1. Current state of mass timber & wood product value chains in **Europe**:

- Forests: overview, forest biomass use, carbon stock impact of growing MT demand
- Wood product markets & outlook: mass timber, other wood products, woody biomass for bioenergy
- Policy context: Forest climate policy, Building/Energy climate policy

2. Current state of mass timber & wood product value chains in **Finland**:

- Forests (timber supply)
- Wood product markets & outlook
- Finnish policy context

3. Update on carbon accounting approaches & methodologies

4. Social & environmental safeguards

Key definitions

Carbon sequestration – Carbon storage

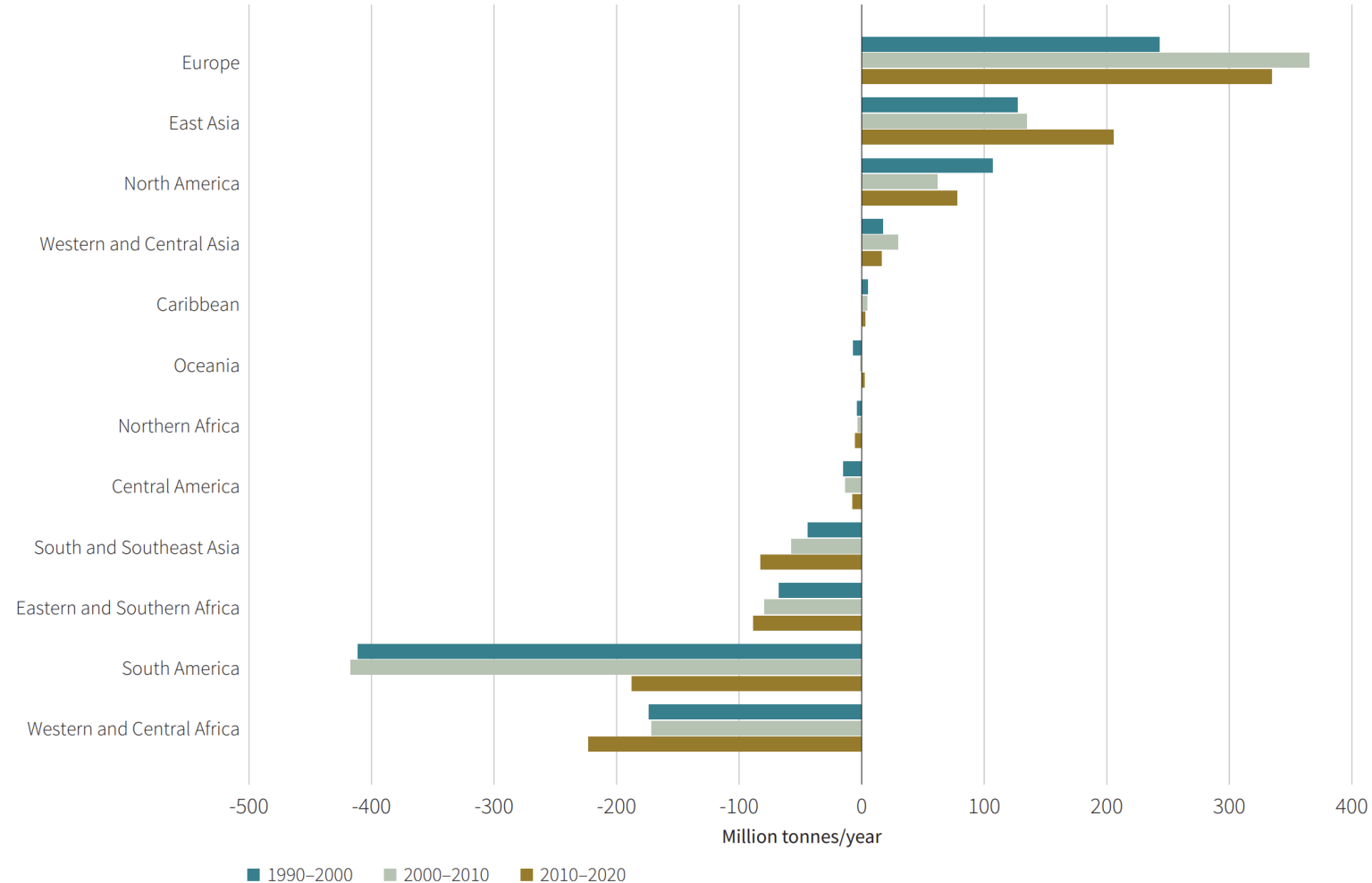
Carbon stock – Rate...

Removal (climate) vs. Removal (forestry)

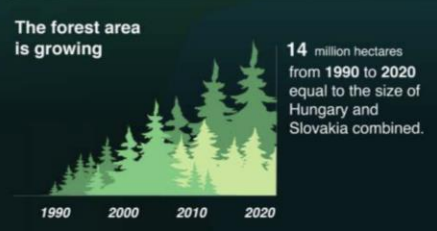
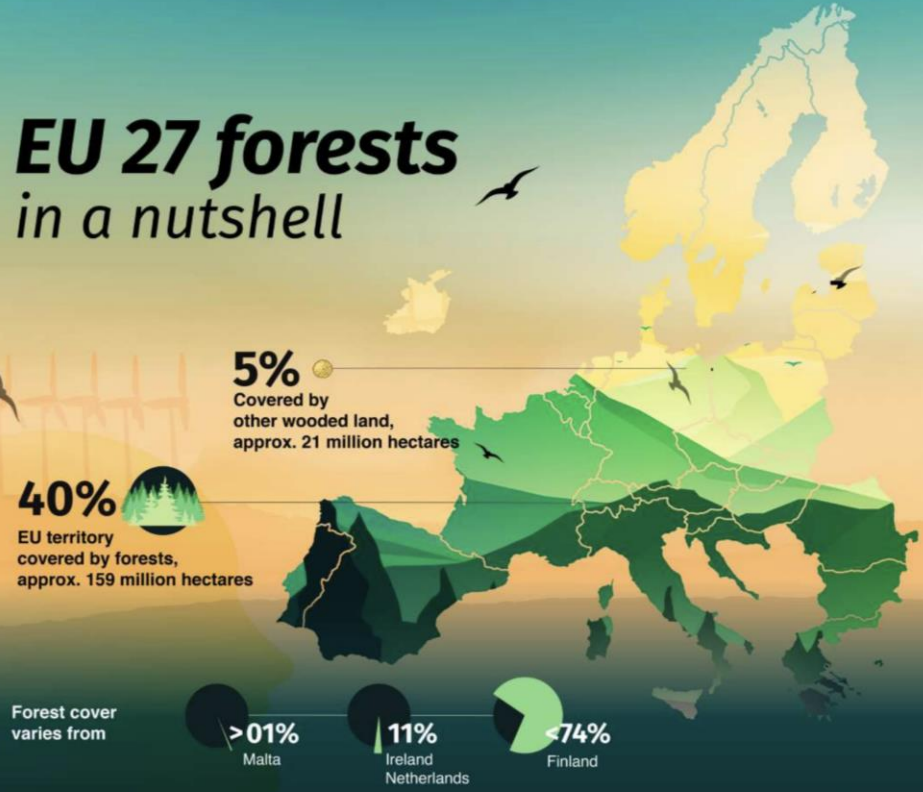
Embodied Carbon vs. Embedded Carbon

Industrial Roundwood, Primary Products, Secondary Products

Change in Forest Biomass Carbon Stock, by region and subregion, 1990-2020



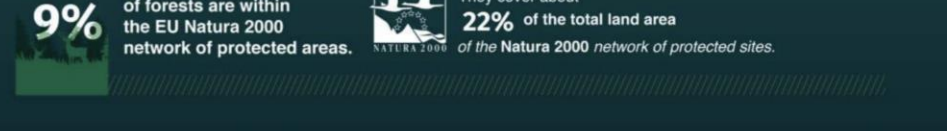
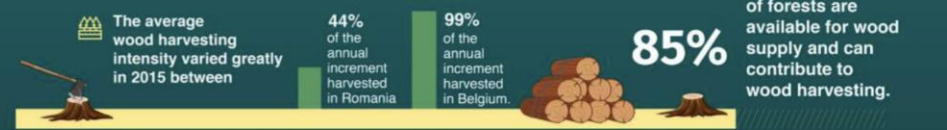
EU 27 forests in a nutshell



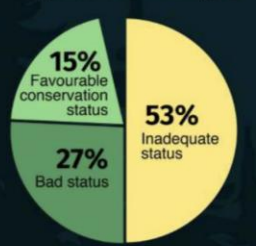
New innovative wood-based products in the textiles, chemicals, plastics, biofuels and bioelectricity industries are not included in these figures.



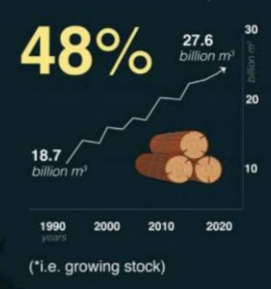
This sums up to forests sequestering 10,6 % of the EU's annual emissions in 2018.



Conservation status
Forest habitats show the highest proportion of improving trends of their conservation status compared to other habitat types.



Between 1990 and 2020, the total volume of timber^{*} in forests increased by **48%**

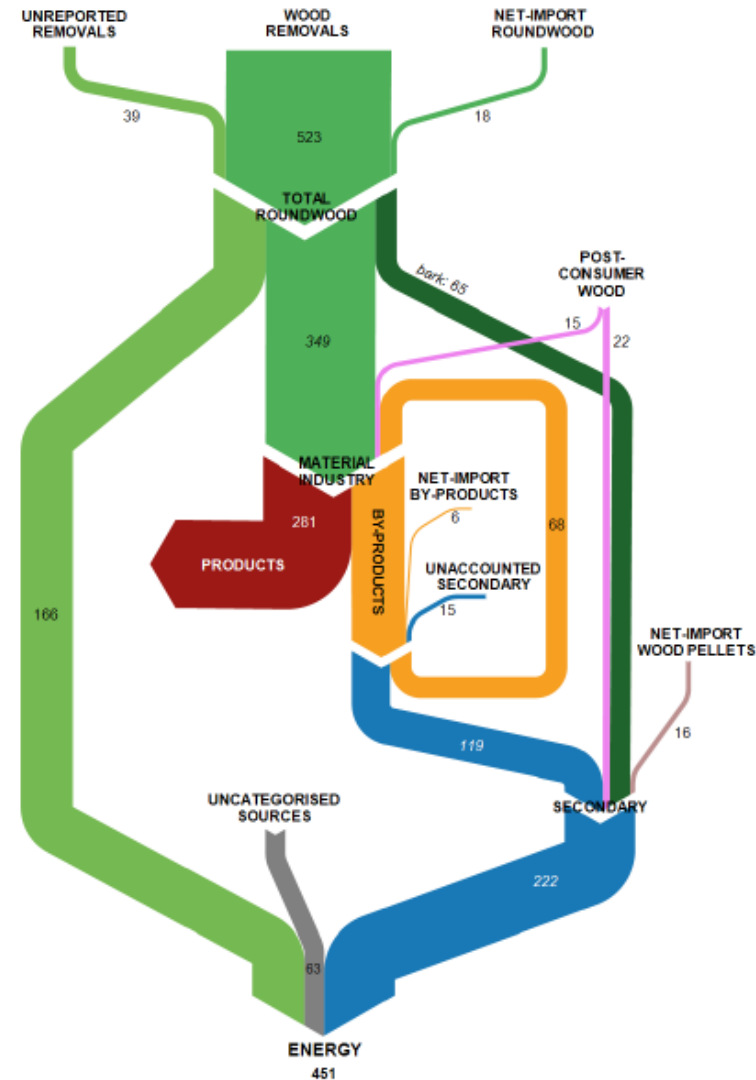


26% of EU households collect non-wood forest products



Mauser, H. (2021). Key questions on forests in the EU. Knowledge to Action 4.

Woody biomass flows within the material and energy sectors in the EU in 2015



Forest & Forest Policy Recap

RED I

2012



- Efficient use of renewable resources
- Focus on R&I

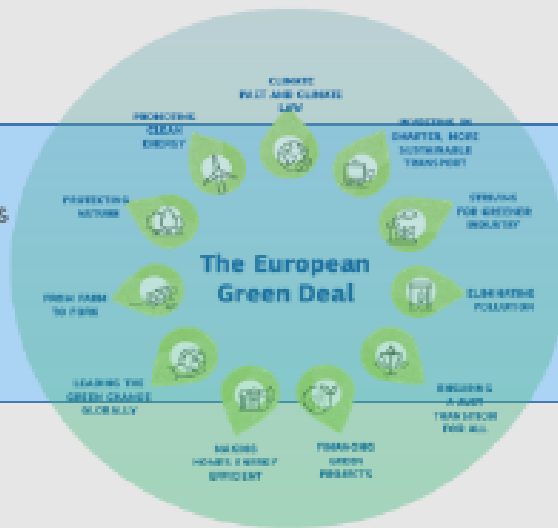
First Bioeconomy Strategy

2018



- + Substitution of harmful products
- + Regional development
- + Understanding ecological limits

Updated Bioeconomy Strategy

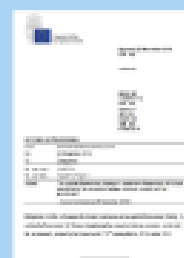


Towards a green and just transition

EU Forest Strategy 2018

RED II

2019



Council Conclusion

EU Fit for '55'

2022



Bioeconomy Progress Report

- **Sections 1, 2:** What is bioeconomy
- **Sections 3, 4, 5:** Assessments: bioeconomy, policy context, action plan
- **Section 6:** Unlocking opportunities

- Three sustainability dimensions:**
- (1) management of land and biological resources within ecologic boundaries
 - (2) sustainable value chains and consumption
 - (3) social fairness and just transition

Thank you!

Please contact us for access to any of the studies or reports mentioned