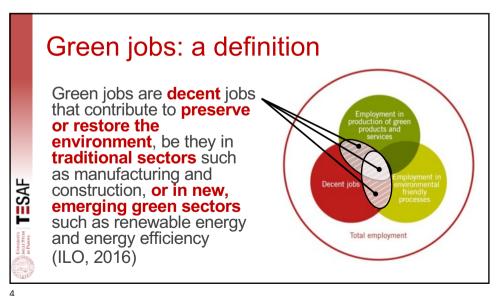


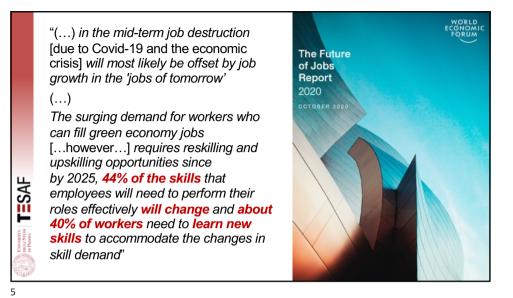
T=SAF

- Green jobs and green jobs in the forest sector: an introduction
- Framing forest sector green jobs within ecosystem services
- Final considerations

- Green jobs and green jobs in the forest sector: an introduction

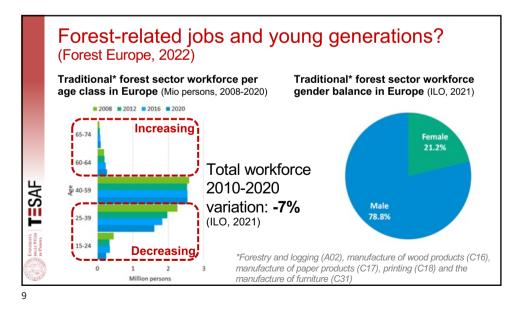


TESAF









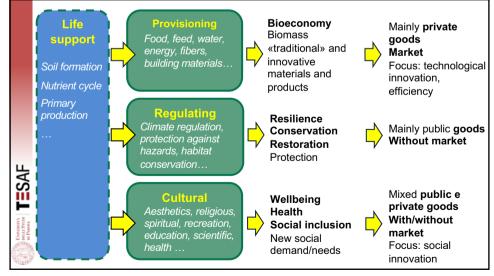
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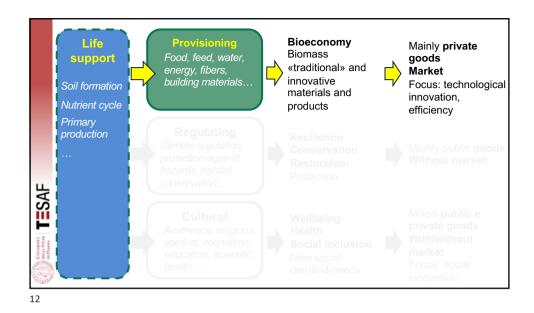
Final considerations

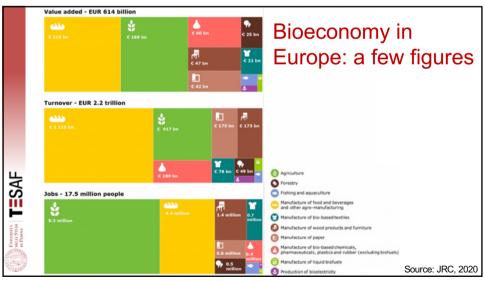


TESAF

UNIVERSITA DECU STUDE DE PADOAU









# EU Forest Strategy to 2030

# 2.1 Promoting sustainable forest bioeconomy for long-lived wood products $\rightarrow$ New Bauhaus initiative

(...) the most important role of wood products is to help **turn the construction sector from a source of greenhouse gas emissions into a carbon sink** (...) There is considerable room for improvement. With less than 3% of market share, wood products are still only a tiny fraction of building materials in Europe



# Bioeconomy

Innovative forest-based products and their main uses and applications (FAO, 2021) (2/2)

Proc	duct	Main uses and app	olications
Wood foam		Insulation (thermal and acous	tic), packaging
Bioplastics		Packaging	
Wood-based composites	5	Packaging, disposable produ	cts
Wood-based textile fibre	es.	Textiles	
	0		
	Wood foam Bioplastics Wood-based composite:		Wood foam Insulation (thermal and acous   Bioplastics Packaging   Wood-based composites Packaging, disposable produ

Bioeconomy

Innovative forest-based products and their main uses and applications (FAO, 2021) (2/2)

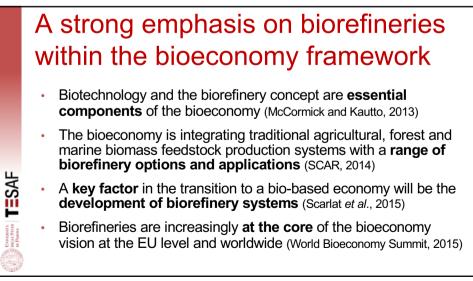
	Product	Main uses and applications				
	Wood foam	Insulation (thermal and acoustic), packaging				
	Bioplastics	Packaging				
ц	Wood-based composites	Packaging, disposable products				
	Wood-based textile fibres	Textiles				
I≡S/	• Low quality wood assortments inputs $\rightarrow$ a "cascading approach"					
UNITARIA TESA	• Encouraging intensive production-oriented management (coppice, industria plantations) rather promoting multifunctional forestry?					
a	Competition with increasing demand for bioenergy products					

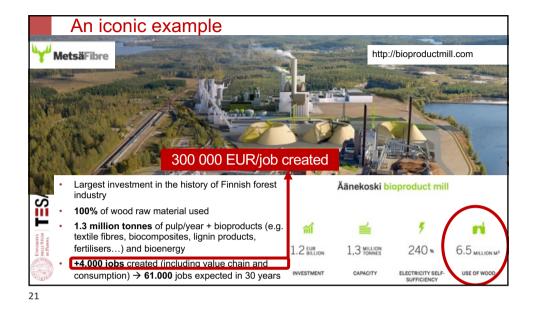
## EU Forest Strategy to 2030

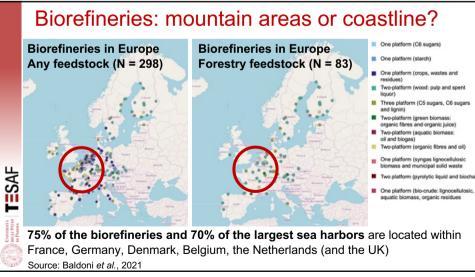
# **2.2 Ensuring sustainable use of wood-based resources for bioenergy**

Wood based bioenergy is currently the main source of renewable energy, supplying 60% of EU's renewable energy use. To meet the at least 55% emission reduction target by 2030 (...) Bioenergy will continue to have a notable role to play in [the energy] mix







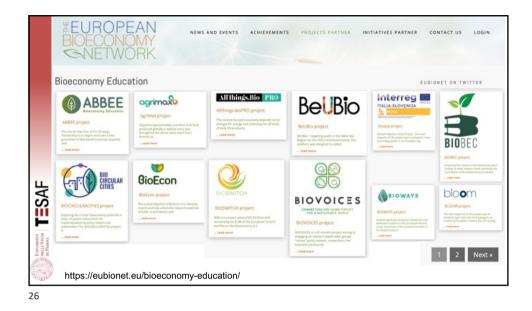


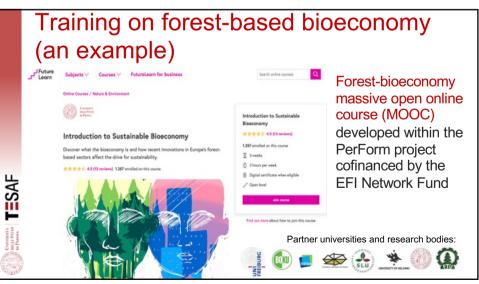


# Education and training for fostering entrepreneurship in bioeconomy

FOEBE Erasmus+ project aims at equipping bioeconomy students at Master's and PhD levels with tailor-made sustainable entrepreneurship skills









Beyond wood: wild forest products (Non-wood forest products, NWFP)

Value of NWFP collected in Europe (2015): €23 Bln/year €3.4 Bln/year marketed (formally & informally)

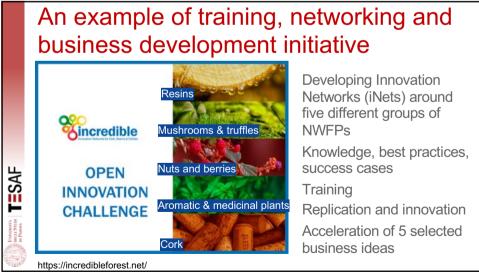
= same magnitude as revenues from roundwood

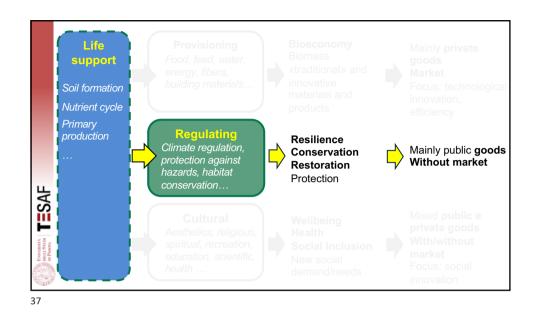




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### **Climate Regulation**

- -55% emissions by 2030 and Null Net Emissions (Neutrality) by 2050
- LULUCF Reg. 2018/841 (revision: 554/2021) Net fixation by 2030: 310 Mt CO<sub>2</sub>eq

### **Biodiversity Strategy to 2030**

- Legally protect at least 30% of the EU's land and sea areas (+4% for land and +19% for sea areas)
- 10% of EU land and sea under strictly Protected Areas

### SAF Forest Strategy to 2030

- · All primary and old growth forests strictly protected
- Ë • 3 Billion trees pledge

### Nature Restoration Law (proposal)

- Restoration measures covering at least 20% of the EU's land and sea areas by 2030 and
- all ecosystems in need of restoration by 2050
- Planning and monitoring

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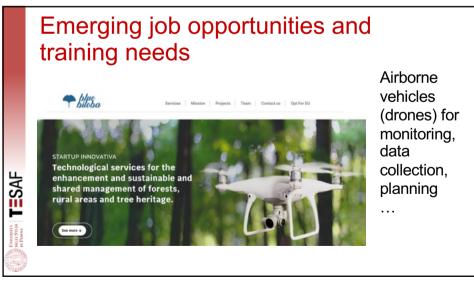
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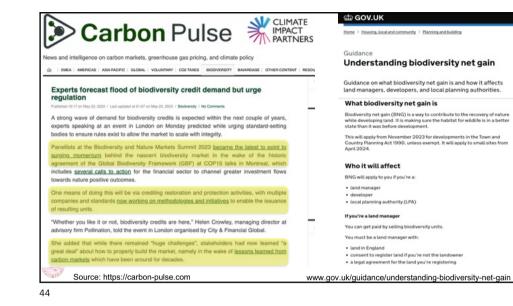
# Emerging job opportunities and training needs

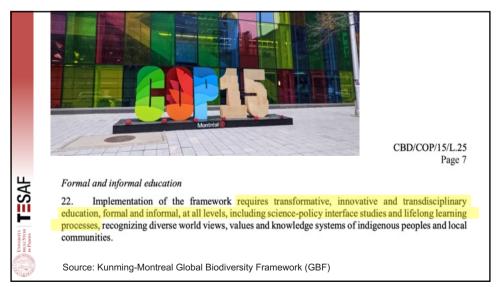




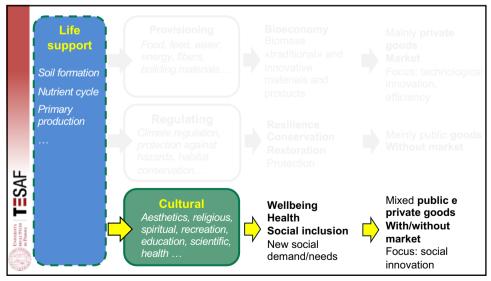






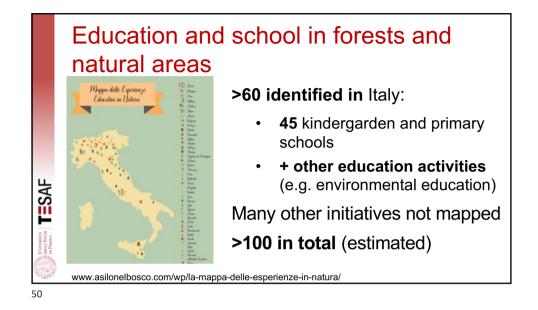




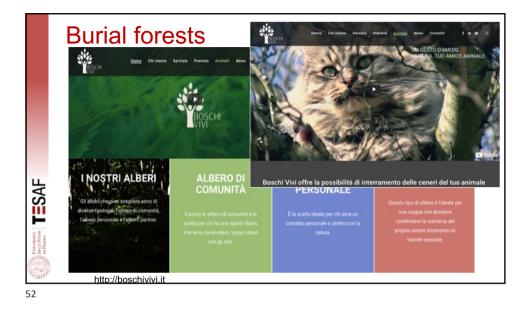


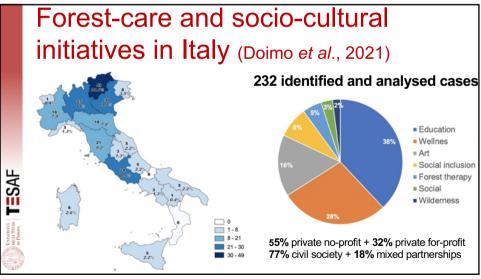














# Green for Care (Green4C) Erasmus+ KA (2020-2023)

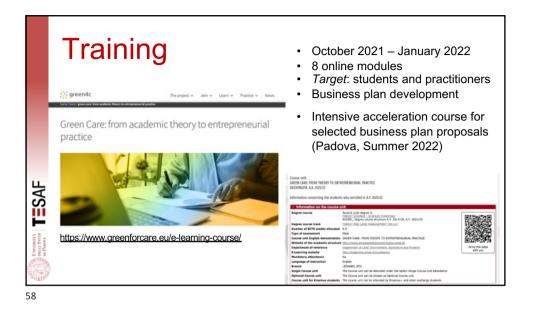
- Development of entrepreneurial skills and models for green care (4 thematic sub-sectors)
- EU-wide assessment (4 ٠ report/outlook studies)
- T=SAF 16 international case studies
  - Training needs assessment
  - Training and support to • business ideas/start-ups

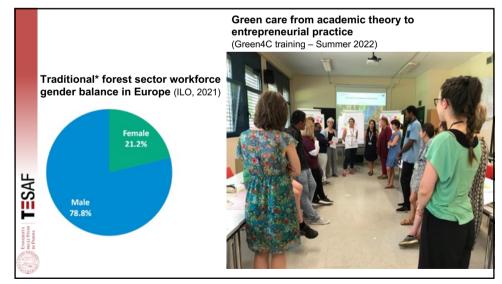


FOREST-BASED CARE



SOCIAL AGRICULTURE





- Green jobs and green jobs in the forest sector: an introduction
- Framing forest sector green jobs within ecosystem services
- Final considerations

- Emerging green jobs opportunities and associated training needs within the forest sector
- Different trends and profiles depending on the group/class of ecosystem services (ES)
- A (preliminary) tentative qualitative summary matrix:

	ES	Green jobs potential	Investment intensity	Innovation	Gender balance potential	Training needs
AF	Provisioning	Medium-high	High	Mainly technological	? (likely as traditional forestry)	Moderate gaps
	Regulating	Medium-Low	Medium-high	(Technological)	? (likely a bit higher than traditional forestry)	Moderate gaps
Invasor Boou Strue	Cultural	Medium-high	Low	Mainly social	High	High gaps (emerging initiatives, existing gaps)

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Promising developments and trends Keep moving towards ambitious goals Support ongoing "green" processes by developing appropriate/innovative tools/initiatives ...still be realistic

