

Concept Note

WOOD for GLOBE:
Leading pathways to carbon neutrality and resilience

Pre-WFW High-Level Dialogue
9:30-17:00, 19 July 2024

Shelds Zayed Center, Fab Headquarters,
Bome, Italy

1. Background

The Ministerial Call on Sustainable Wood issued by Austria, Cameroon, Gabon, Republic of Korea, Japan,
and freu July 1. Highlighted her claim lofe of July production and commentable wood based garbays. It helphighted her claim lofe of July productions and commentable wood based garbays. It helphighted her claim lofe of Justinable productions and commentable wood based garbays. It helphighted her claim lofe of Justinable productions and commentable wood contributions to achieve deaded and come neural products, and emphasing the importance of working collaboratively, the Ministerial Call named four areas of work to unlock the full protential of usualmable wood contributions to achieve carbon-neutrality and more realient exonomies:

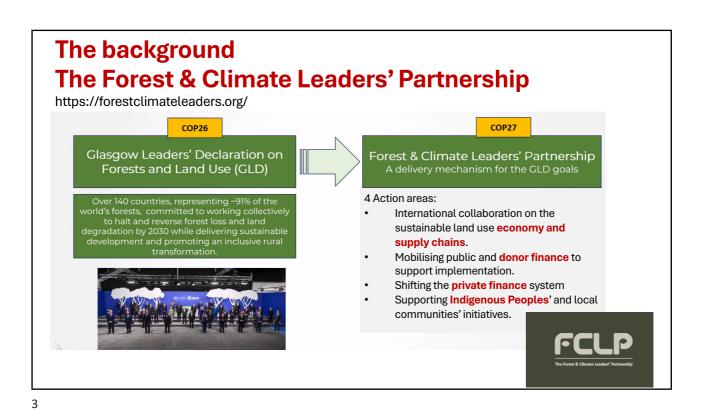
Awareness raining.

Global and ragional policy dialogues on sustainable wood pathways, related synergies and trade-offs, and enhanced investments.

Technical exchanges, sharing of experiences and learning to drive innocations, from sustainable forest management, efficient wood value chans, and sustainable wood use.

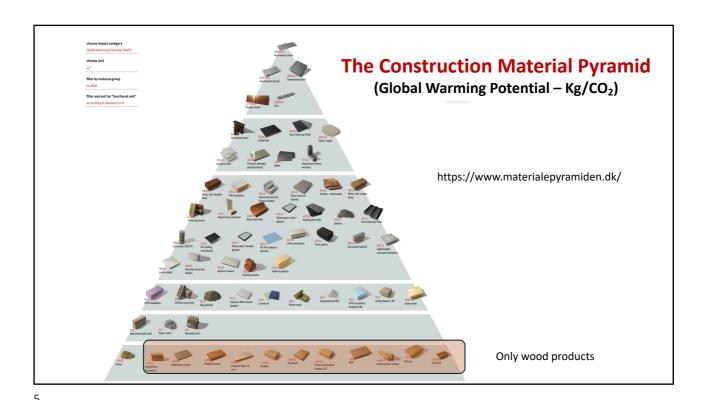
The message: to support SFM the key words for the large public are not protection, forest degradation & deforestation but...



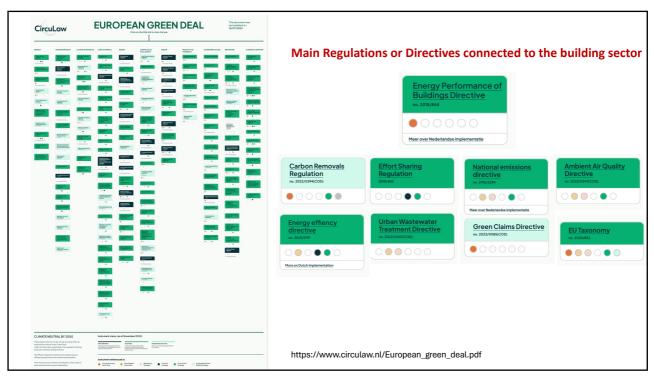


Building sector: 36-40% of GHG emissions
(7% for the construction material: steel and cement)

Increased use of wood in the building sector

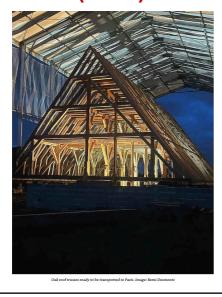


Building sector: 36-40% of GHG emissions (7% for the construction material: steel and cement) **Concrete actions Policies New Bauhous Initative** Decarbonization policy (New Green Deal) **CRCF** New building codes, LEED & other standards on green building Increased use of Private fund National initiatives wood in the Public. e.g.: Austria, France, UK, DK, ... mobilization building sector International initiatives Public: FCLP, WoodPoP Private: Built by Nature, Closer to nature forest World Green Building Council, management Int.Sustainable Forestry Initiative, ...





Notre Dame Cathedral in Paris (2019)





The April 2019 fire that swept through Notre-Dame cathedral. Image: Loic Salan/Shutterstoc.

- 1300 oak trees
- 45 French sawmills involved in the construction of 36 cm beams
- 8 oak logs of exceptional size (+20 m)

France Bois 2024

FRANCE

Paris Olympics: 40% with the "Bois de France" brand with a 30% emission reduction effect compared to London and Rio











https://www.francebois2024.com/

3 sectors considered in the EU Carbon Removal Certification Framework (CRCF)



PERMANENT STORAGE

E.g. Bioenergy with Carbon Capture and Storage (BECCS), Direct Air Carbon Capture and Storage (DACCS)



CARBON FARMING

E.g. Af-/re-forestation, improved forest management, agroforestry, soil carbon sequestration, peatland restoration



CARBON STORAGE IN PRODUCTS

E.g. Use of wood-based materials in construction, long-lasting Carbon Capture and Utilisation (CCU)

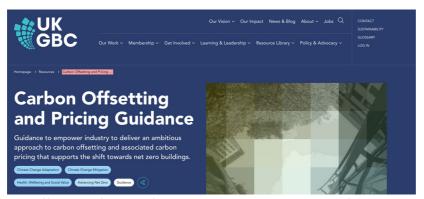
Source: European Commission

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Carbon sequestration credits from wooden construction: *«best-in-class globally»*

(Supercritical, 2024)

https://gosupercritical.com/blog?p=offsetting-guidance-for-the-built-environment



https://ukgbc.org/resources/carbon-offsetting-and-pricing-guidance/

Green buildings: the most relevant urban Nature-Based Solutions!

Engineering Hub at UNIPD

- 2,540 m³ X-Lam and 1,030 m³ laminated beams: 4 floors, for 3,500 students, built in 2 months by Rubner (Brixen plant based on sawnwood from the group's Austrian sawmill in Styria 400,000 m³/year)
- More info <u>here</u> and <u>here</u>.





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Food for thinking

Let's invest in closer to nature forest management (FSC certified), i.e. forestland improvement and active management, to be able to produce:

- Timber + carbon credits from the construction sector (safe, visible and profitable investments from the private sector)
- By-products for bioenergy and bioeconomy innovative segments with the «cascade approach» (e.g.: district heating - local scale community investments)
- Other relevant ecosystem services

