



# Timber: carbon neutrality

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Do you speak sustainable construction?

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**wood**

CEI-Bois Roadmap 2010

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# Sustainability: 3 pillars



**Economic**



**Social**



**Environmental**

**wood**

CEI-Bois Roadmap 2010



# Wood industry



**Economic**  
€ 269 billion/year  
380,000 companies  
Mainly SME



**Social**  
2.9 million workers  
Strong in rural areas, Major contributor to rural development

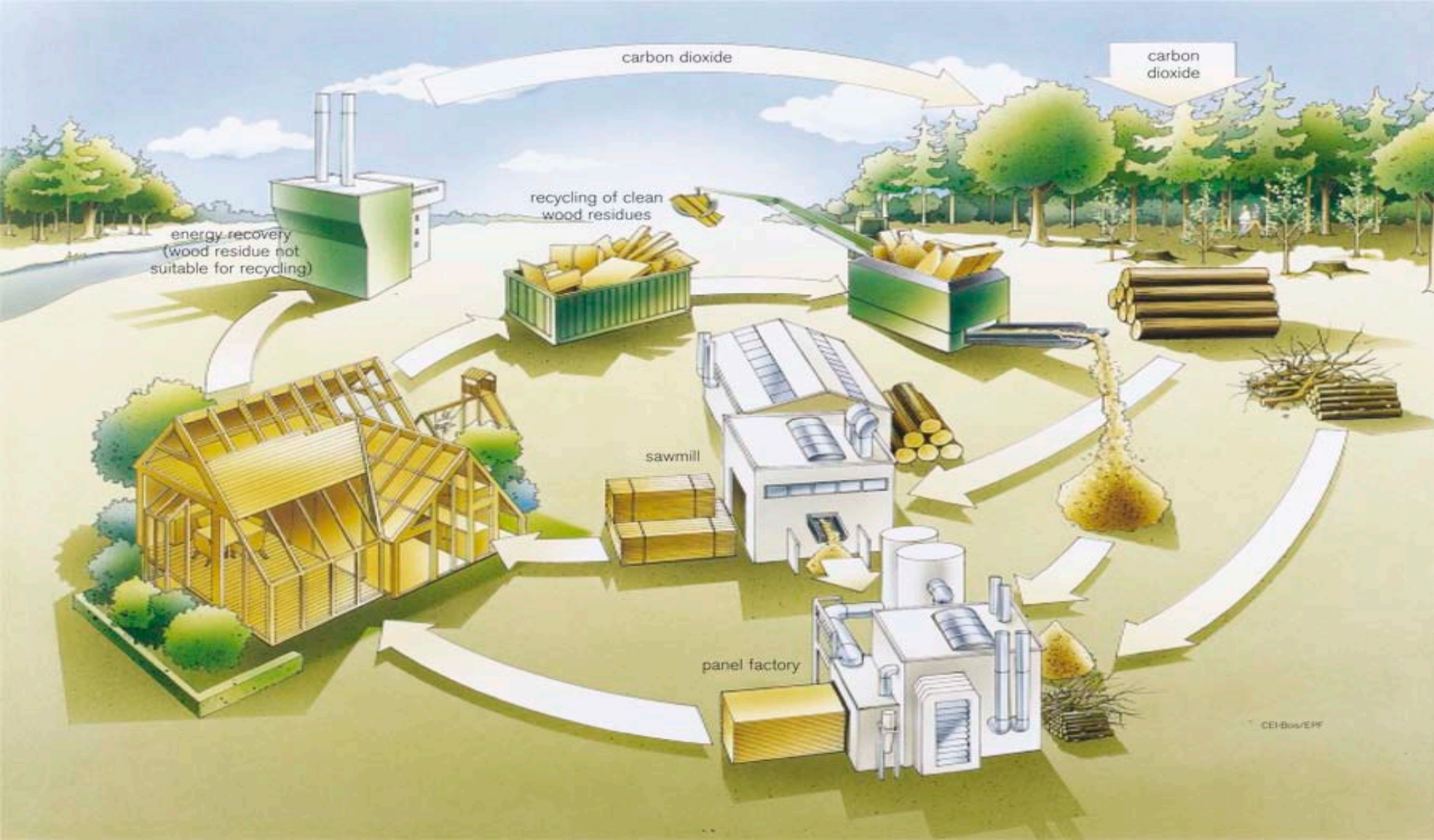


**Environmental**  
Sustainable raw material supply  
Wood = only naturally renewable material  
Growing forest area and growing stock in Europe  
Low energy consumption



Wood (construction)  
products: carbon neutral





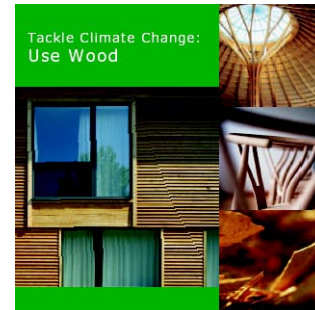
**wood**

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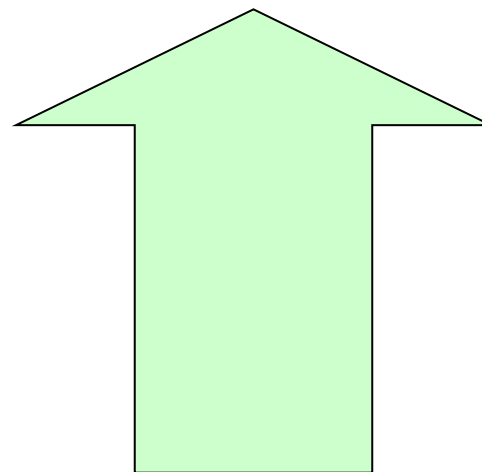
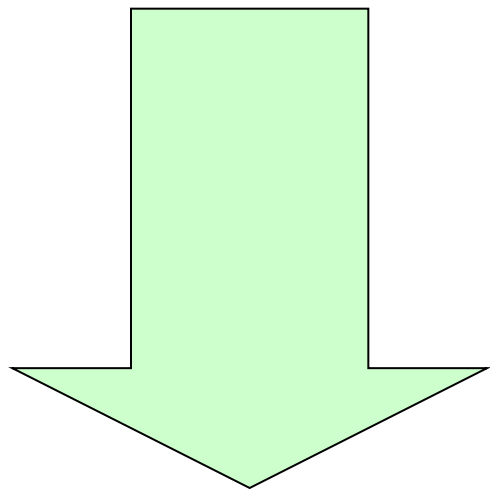
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# Wood: contributes to fighting climate change



It can reduce CO<sub>2</sub> sources



And increase CO<sub>2</sub> sinks



# Wood can reduce CO<sub>2</sub> sources

- **The substitution effect**
  - Wood has the lowest embodied energy of any building material
  - Every m<sup>3</sup> of wood used instead of other building materials reduces CO<sub>2</sub> emissions by an average of 1,1 tonne
- **Thermal efficiency**
  - Wood continues to save CO<sub>2</sub> throughout a building's life, because its natural thermal efficiency saves energy
- **Recycling**
  - Many products can be turned into other products (e.g. panels) at the end of their lifecycle, thus prolonging carbon storage
- **Energy recovery**
  - Sortments unsuitable for recycling can serve as a carbon neutral fuel for energy and heat



# wood: the solution



FOTO : Jan Liégeois

**wood**

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