



World Conference in Timber Engineering Marketing of Timber Design and Construction from a Sound Sustainability Basis

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Responsible
Wood

RW/1-10-1

Why does sustainable forestry matter?

In the long term, a sustainable forest management strategy aimed at maintaining or increasing forest carbon stocks, while producing an annual sustained yield of timber, fibre or energy from the forest, will generate the largest sustained mitigation benefit.

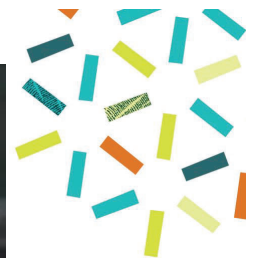
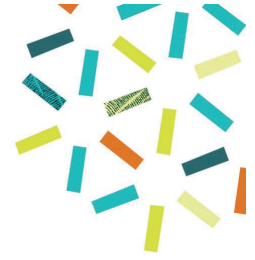
Intergovernmental panel on climate change

Wood Stores Carbon

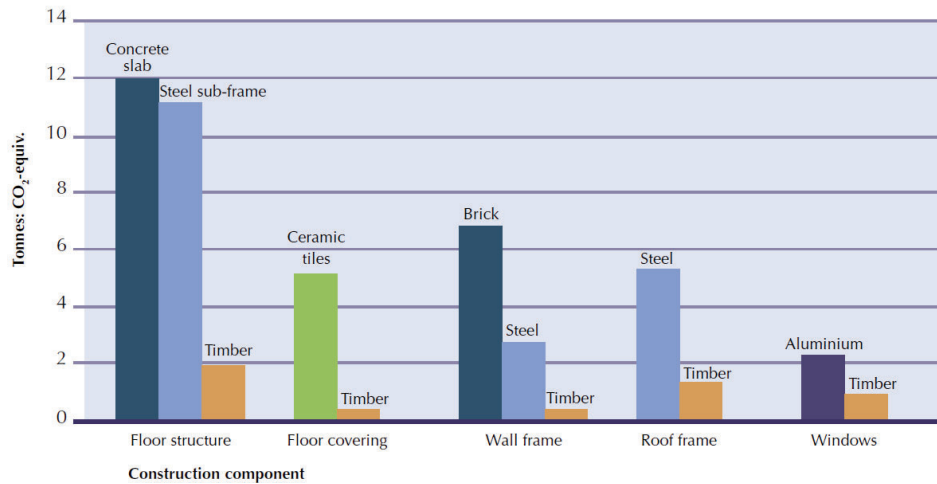
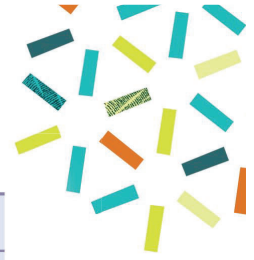
4 ingredients

- water
- Carbon dioxide from the air
- Sunlight
- Trace minerals

50% by
mass
carbon



Wood has low embodied carbon



Wood is the ultimate renewable but “bad wood” comes with big risks



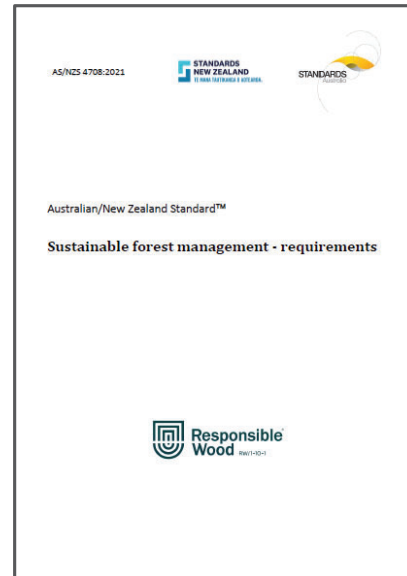
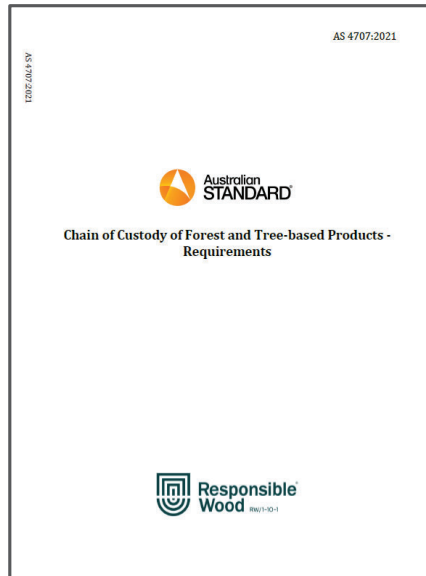


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Separating the good from bad- Forest Certification



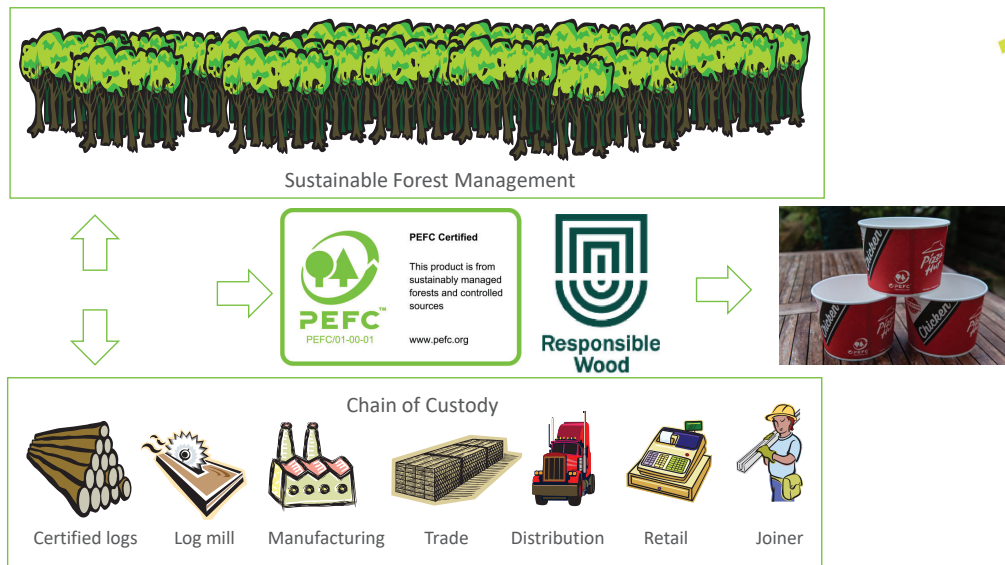
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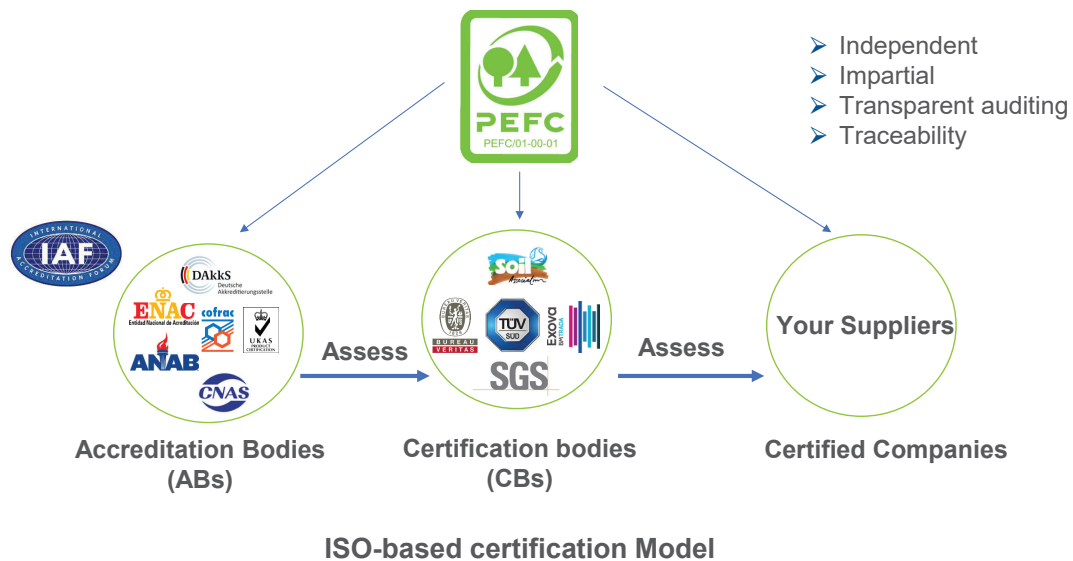
Based on Montreal Process (1994) Criterion

1. **Maintain or enhance biodiversity**
2. **Maintain or enhance forest productive capacity**
3. **Maintain or enhance forest ecosystem health**
4. **Maintain or enhance soil and water resources**
5. **Maintain or enhance forest carbon stock.**
6. **Respect and maintain cultural values**
7. **Maintain or enhance social and economic benefit**
8. **Fully engage with stakeholders**
9. **Apply systematic management to formal processes- legality**

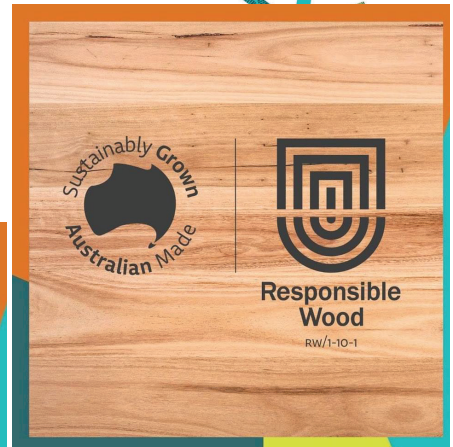
What is forest and chain of custody certification



Certification Model



Labelling



Project Certification

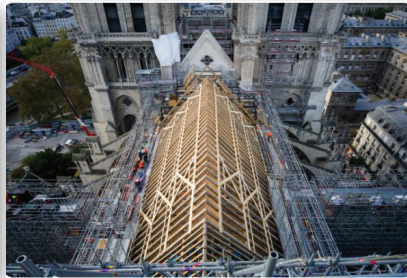
A simplified management system is applied to a construction project.

- The proportion of certified timber is calculated.
- Due diligence is performed and all illegal and controversial sources are excluded.
- Records are kept of supply and due diligence.
- Claims and records are audited
- An audited and verified claim of sustainable sourcing is made

Examples of Certified Projects



Mount Fuji World Heritage Center, which opened in 2017



Roof structure of Notre-Dame de Paris cathedral, 2024



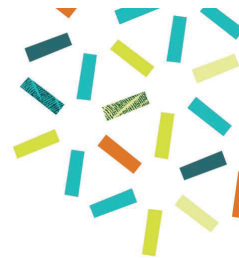
Sydney Metro Northwest becomes first public transport project to achieve PEFC project certification, 2019



A world first: 5-storey hotel made of PEFC-certified timber opened in Austria

- All claims are audited.
- A certificate of conformance is issued
- Green washing and misleading claims are avoided
- Verified marketing claims may be made on the sustainable and non-controversial sources of timber





Thank you, Questions?

