

Kick-off Helsinki 23-24 May 2019

InFutUReWood

Innovative Design For the

Future - Use and Reuse of Wood

Karin Sandberg, RISE Research Institutes of Sweden

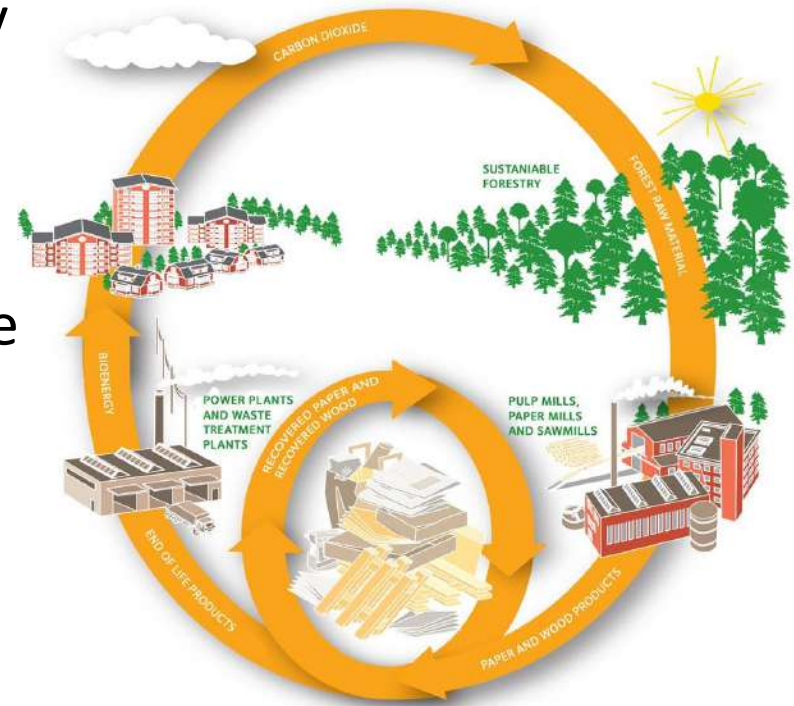
Project InFutUReWood is supported under the umbrella of ERA-NET Cofund ForestValue by Vinnova – Sweden’s Innovation Agency, the Forestry Commissioners for the UK, the Department of Agriculture, Food and the Marine for Ireland, the Ministry of the Environment for Finland, the Federal Ministry of Food and Agriculture through the Agency for Renewable Resources for Germany, the Ministry of Science, Innovation and Universities for Spain, the Ministry of Education, Science and Sport for Slovenia. ForestValue has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement N° 773324.




Building in wood is a priority in Europe

Wood is becoming an increasingly important raw material, being biotic and renewable

- Carbon storage effect
- Substitution of energy-intensive materials
-
- Legislation increasingly recognizes that wooden building components can have a life, a use, even after the building's life has ended.



*Ecocycle of forest and wood products
(from Swedish Wood)*



🍃 How should we build today to be able to circulate tomorrow?



**InFutURe
Wood**

seeks to answer the question

- “how easy is it to reuse wood from current buildings especially as structural material?” and
- “how can the past experience help the future? ”



Results

- **Design** buildings specifically to facilitate disassembly rather than demolition.
- Increase the **efficiency** of material use by optimize the primary design.
- **Utilize** material from existing buildings in new wood products.



<http://www.colourbox.com>

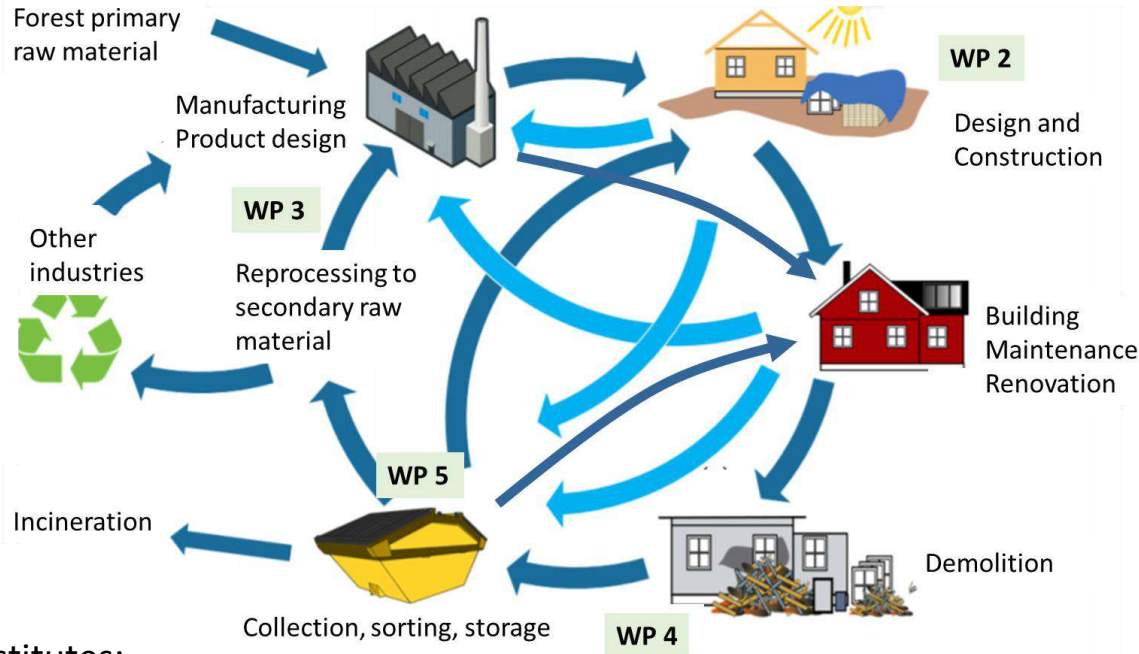


<https://www.quanex.com>

- **Specification** of this wood to be as similar to new wood as possible.
- To examine the business, economic, and environmental factors over the **life-cycle**

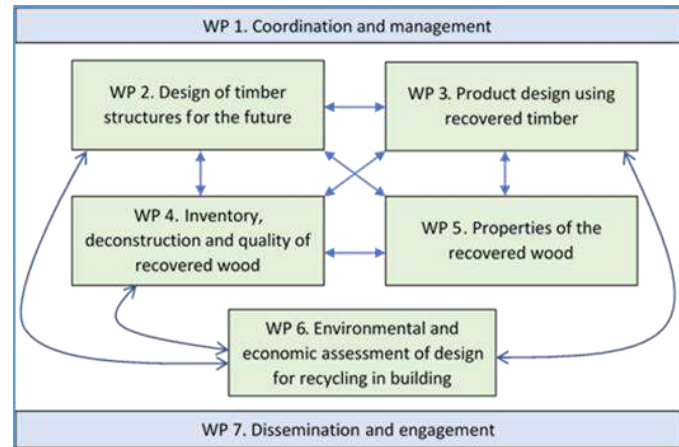


InFutURe Wood



Universities/research institutes:

- RISE, Research Institutes of **Sweden** (WPs 1,2 & 7)
- Edinburgh Napier, **UK** (WP 5)
- National University of **Ireland** (NUI) Galway (WP 3)
- University College Dublin (UCD), **Ireland**
- Universidad Politécnica de Madrid (UPM), **Spain**
- University of Ljubljana, **Slovenia**
- Technical University Munich (TUM), **Germany** (WP 6)
- Aalto University, **Finland** (WP4)





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Acknowledgement: Project InFutUReWood is supported under the umbrella of ERA-NET Cofund ForestValue by Vinnova – Sweden's Innovation Agency, the Forestry Commissioners for the UK, the Department of Agriculture, Food and the Marine for Ireland, the Ministry of the Environment for Finland, the Federal Ministry of Food and Agriculture through the Agency for Renewable Resources for Germany, the Ministry of Science, Innovation and Universities for Spain, the Ministry of Education, Science and Sport for Slovenia. ForestValue has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 773324.

Contact details

Further information:

Karin Sandberg (Project coordinator)
RISE Research Institutes of Sweden
+46 10 516 62 41; karin.sandberg@ri.se