Co-funded by the European Union

LIFE Platform Meeting on Forest Restoration in Europe

lifeHAYA
Hardwood For The Home

WG II: European Forests and Climate Change
LIFE HFH – BUILD WITH BEECH WOOD

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Project Data

- Co-funded by the **European Commission** through the call 2023 of the **LIFE Programme** with the Grant Agreement n° 101114227
- **Duration: 5 years**

(from September 2023 to August 2028)

- **Total Project Budget: 2.877.359,47 €**

  LIFE Programme Funding: 1.726.415,68 € (60%)

- **Project partners:**

Main project approach

The Project aims to **Improve the Climate Change Mitigation Capacity and Adaptation of the beech forests in Spain:** Closer To Nature Silviculture.

It will also **Increase the Carbon Stock in Long-life Wood Products:** Technological product development and sustainable pilot building.

Structured on 4 pillars

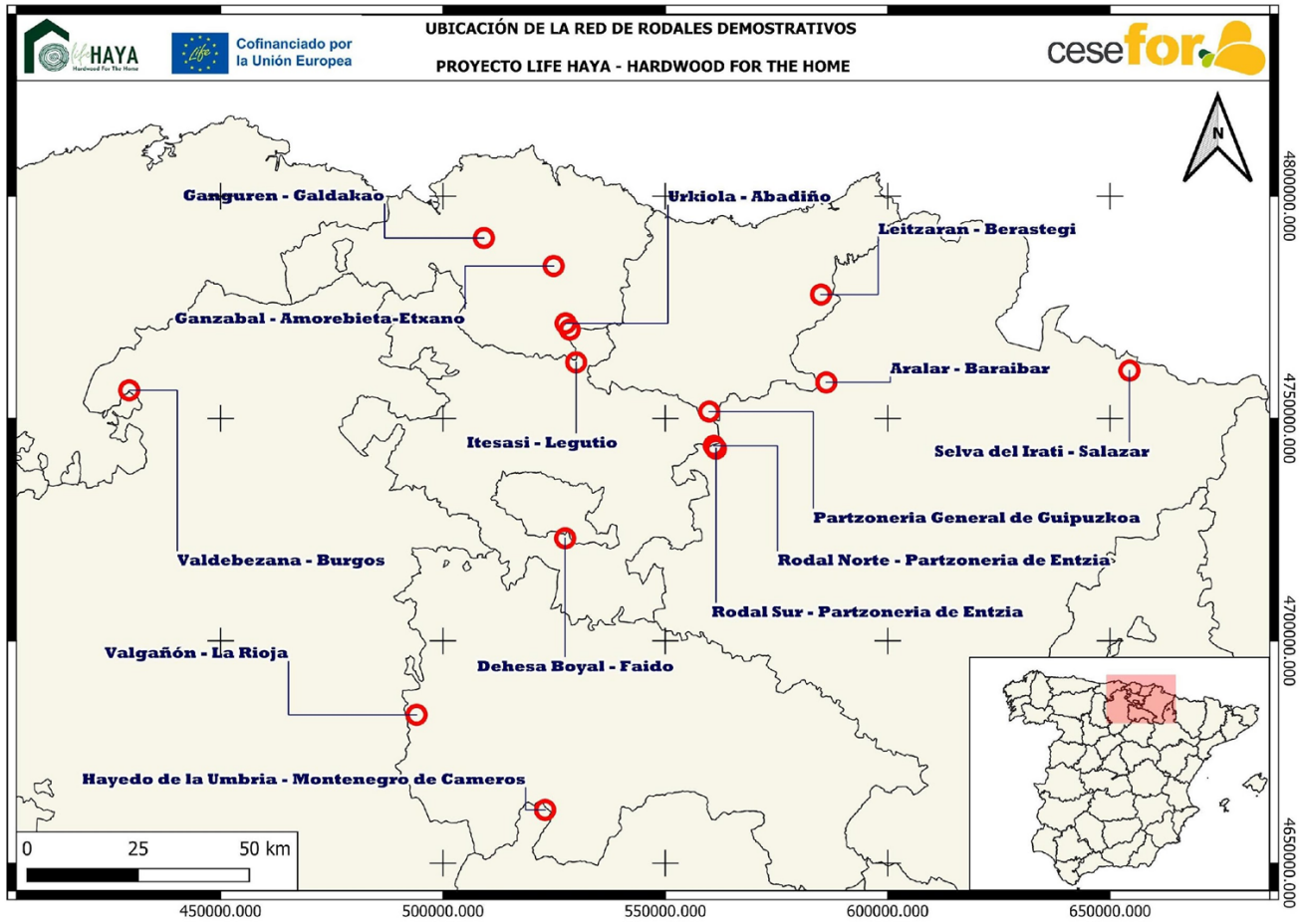
1. **Silviculture:** Demonstration stands, Expert Committees and Closer To Nature Silviculture.
2. **Technological product development** and its certification:
   - Mixed CLT of beech and pine
   - Beech GLT
3. **Construction of a pilot building in Navarra (Spain),** with beech wood from demonstration stands.
4. **Training and courses** ("Hayabitat" system) + Transfer Labs, Environmental impact measurement.

Distribution of beech forests in Spain

Total Surface:
387.776 ha

The beech forests of the Sistema Central and Puertos de Tortosa and Beceite are the most southwestern of its European distribution.

Demonstration stands



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Expert Committees Conclusions

Beech extraction rate in Spain: around 14-15% of growth.

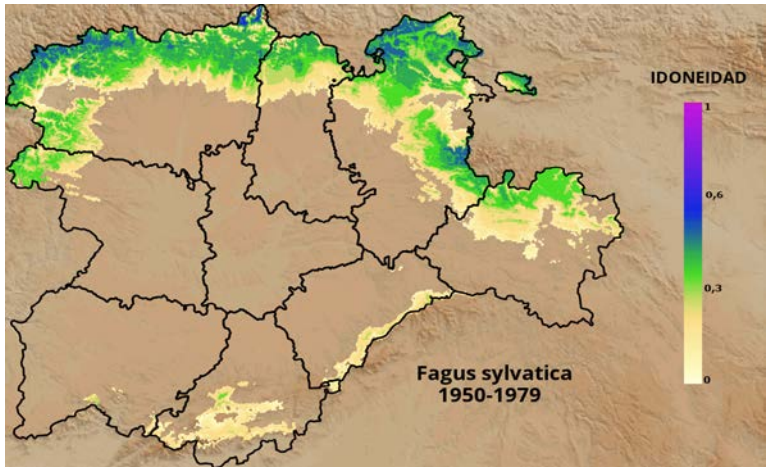
Firewood: more of 50% of beech timber is currently used for firewood, although it has been proven that the majority has the structural quality required for the secondary processing industry (e.g., MLE and CLT).

Small tree diameters: an opportunity for the revaluation of beech forests.

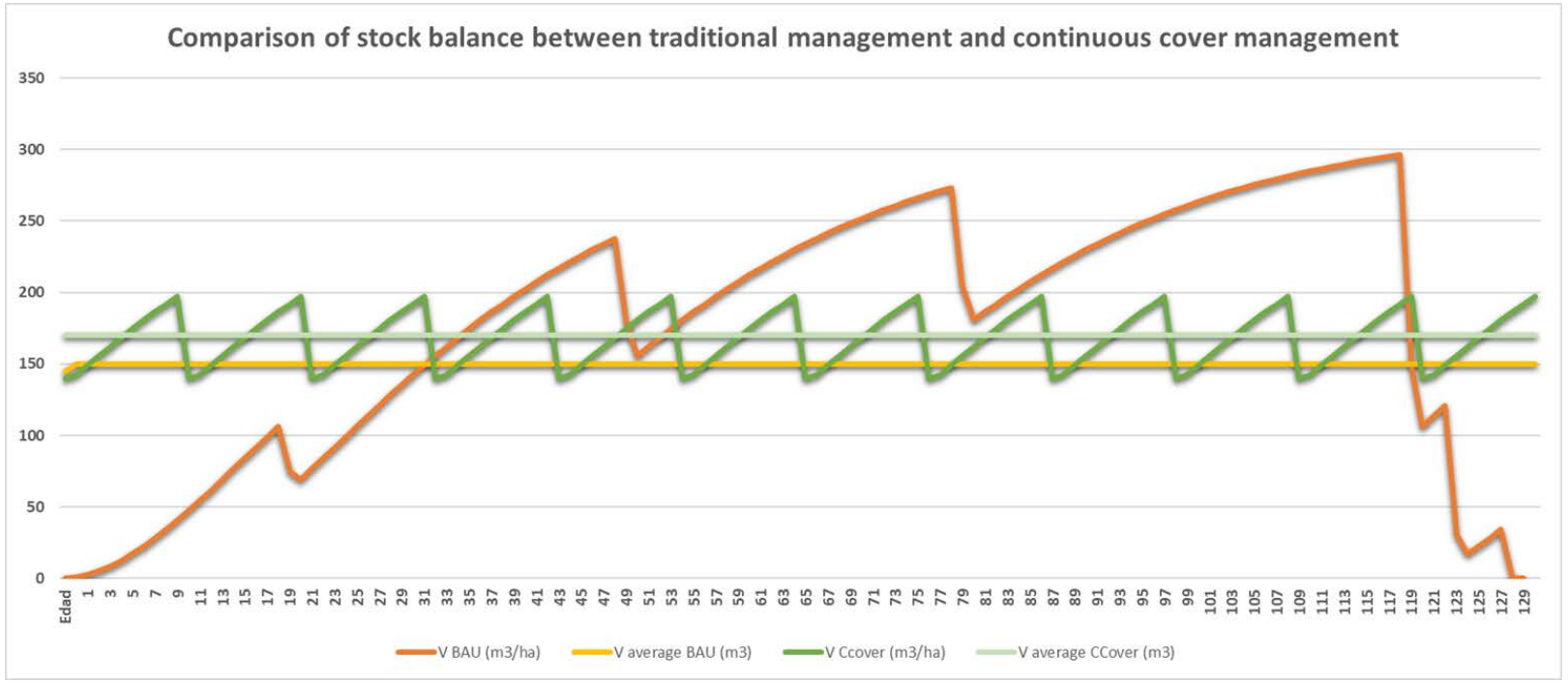
Primary processing in Spain: not adapted to 25 cm diameter.

Carbon balances: EWP retain carbon for a prolonged period and thus contribute to the fight against climate change.

Closer To Nature Forestry



- Increasing the carbon balance in the forest
- Increasing biodiversity
- Improving resilience to climate change

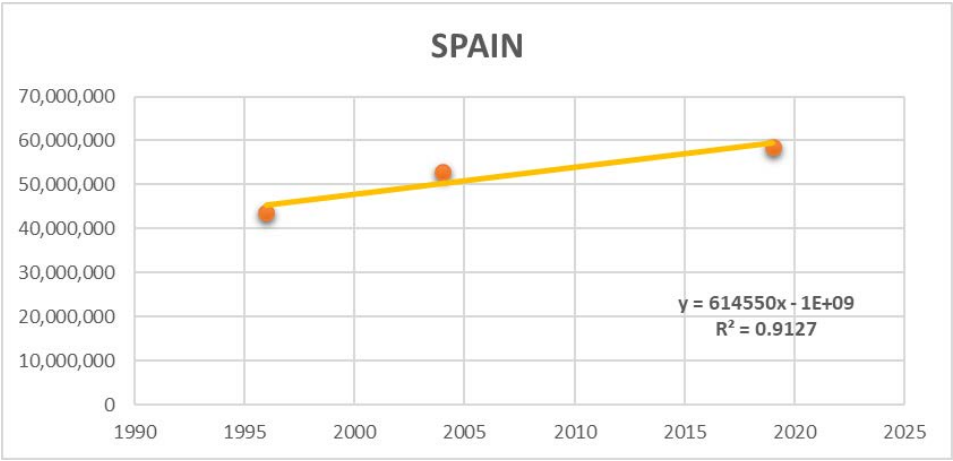


Closer To Nature Forestry

Improve the technological quality of trees → Longer life products

Increase C storage in products

Carbon baseline in Spanish beech forests



Technological product development

MIXED CLT OF BEECH AND PINE

BEECH GLT

THANK YOU!

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