LIFE +REB

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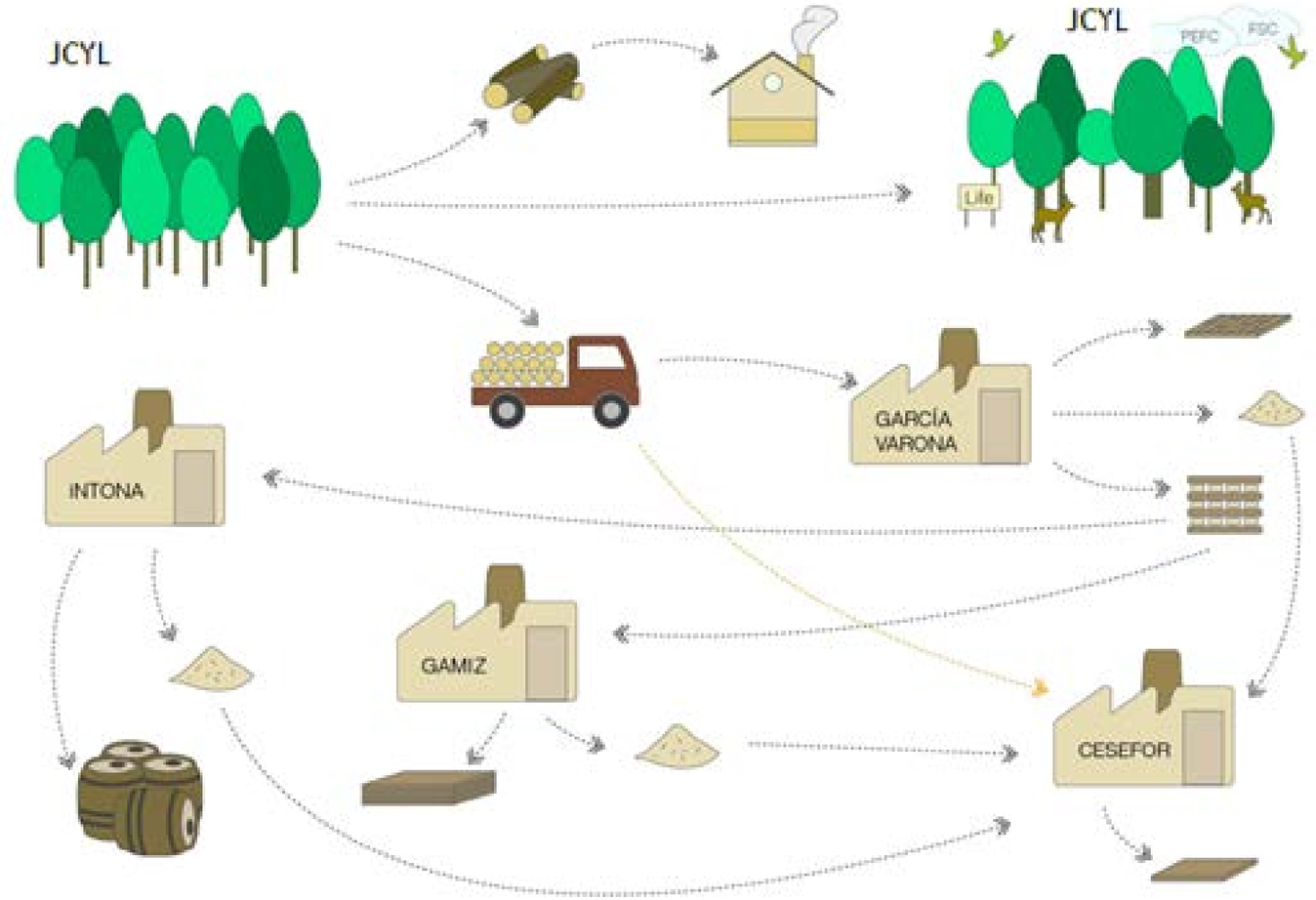
LIFE +REB: *Quercus pyrenaica* forest management to obtain cascading use of timber products as a tool for mitigation in Castilla-Leon

Saúl Gutiérrez García and **Tomás Sanchez Pellicer**

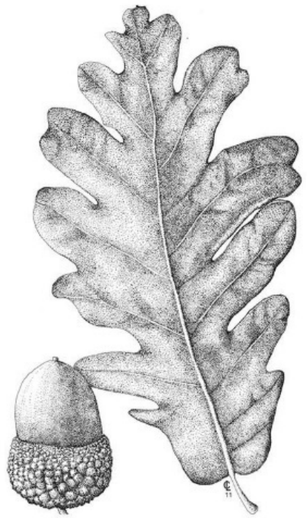
Main objective

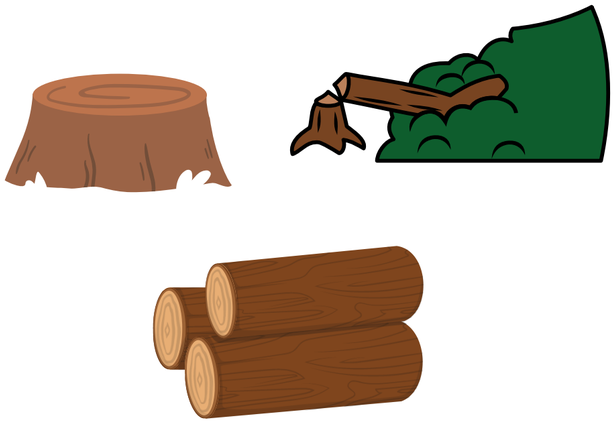
Promote the transition to a circular, low-carbon and climate-resilient economy, based on cascading strategies for the use of wood products and sustainable forest management of *Quercus pyrenaica*.

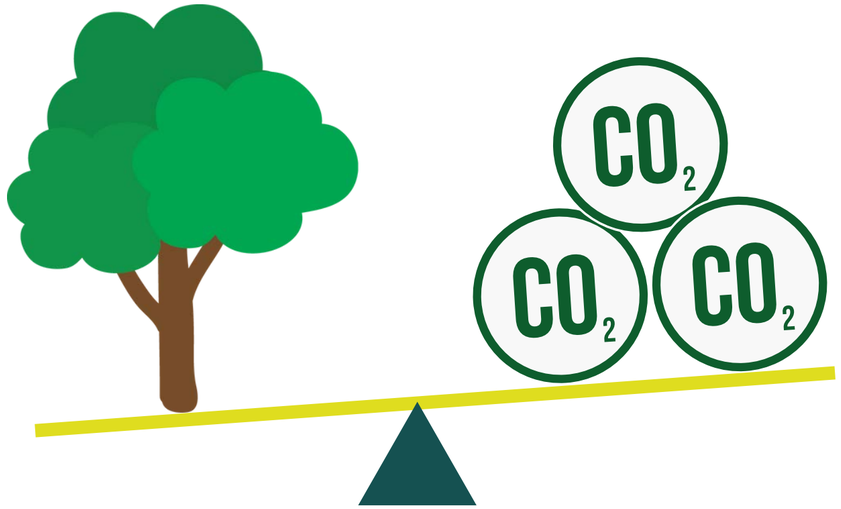


Objective 1

Improve the knowledge of ‘rebollo’ forests and in particular; the evolution of their surface areas, their silvicultural dynamics, conservation status, risks, vulnerabilities and their capacity as natural carbon sinks, to serve as a technical background for the development of a new Climate Smart Forestry (CSF).

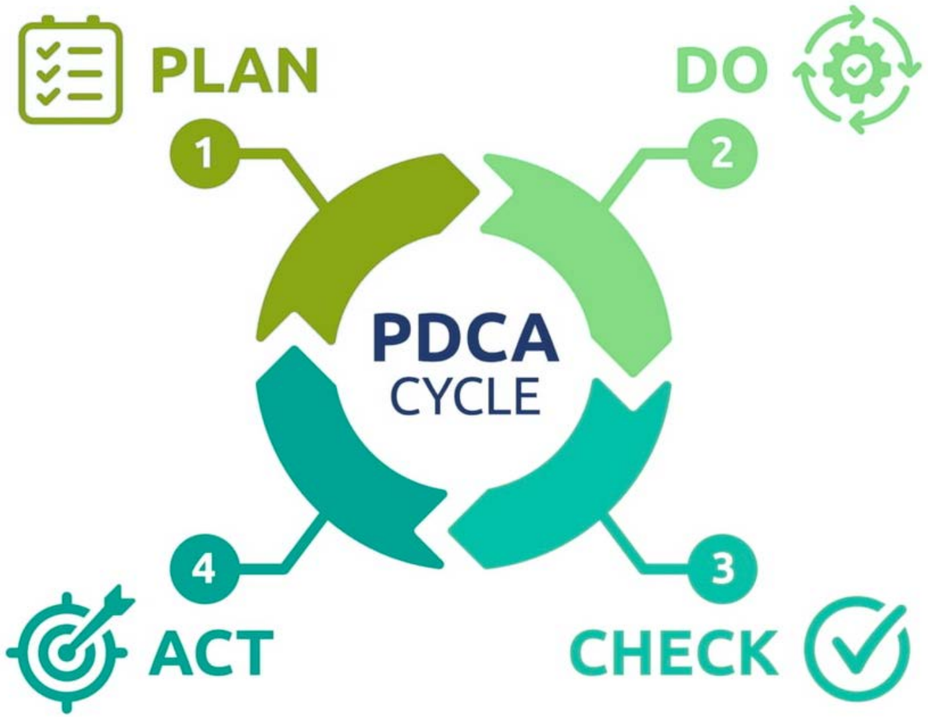






Objective 2

Test and validate the application of the CSF in demonstration stands that become the axis for developing the **Rebollo-Lab's** (replicability tool).

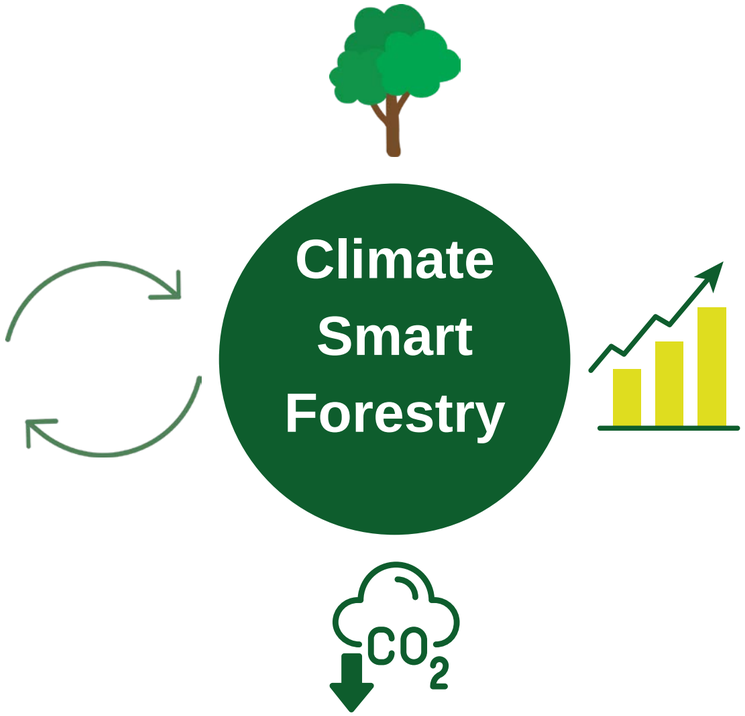


Objective 3

Articulate new value chains for the cascading use of wood from oak forests, through the creation of new wood products from sustainable forest management, under certification standards (PEFC and FSC), and involving a longer carbon storage time in wood products.

Objective 4

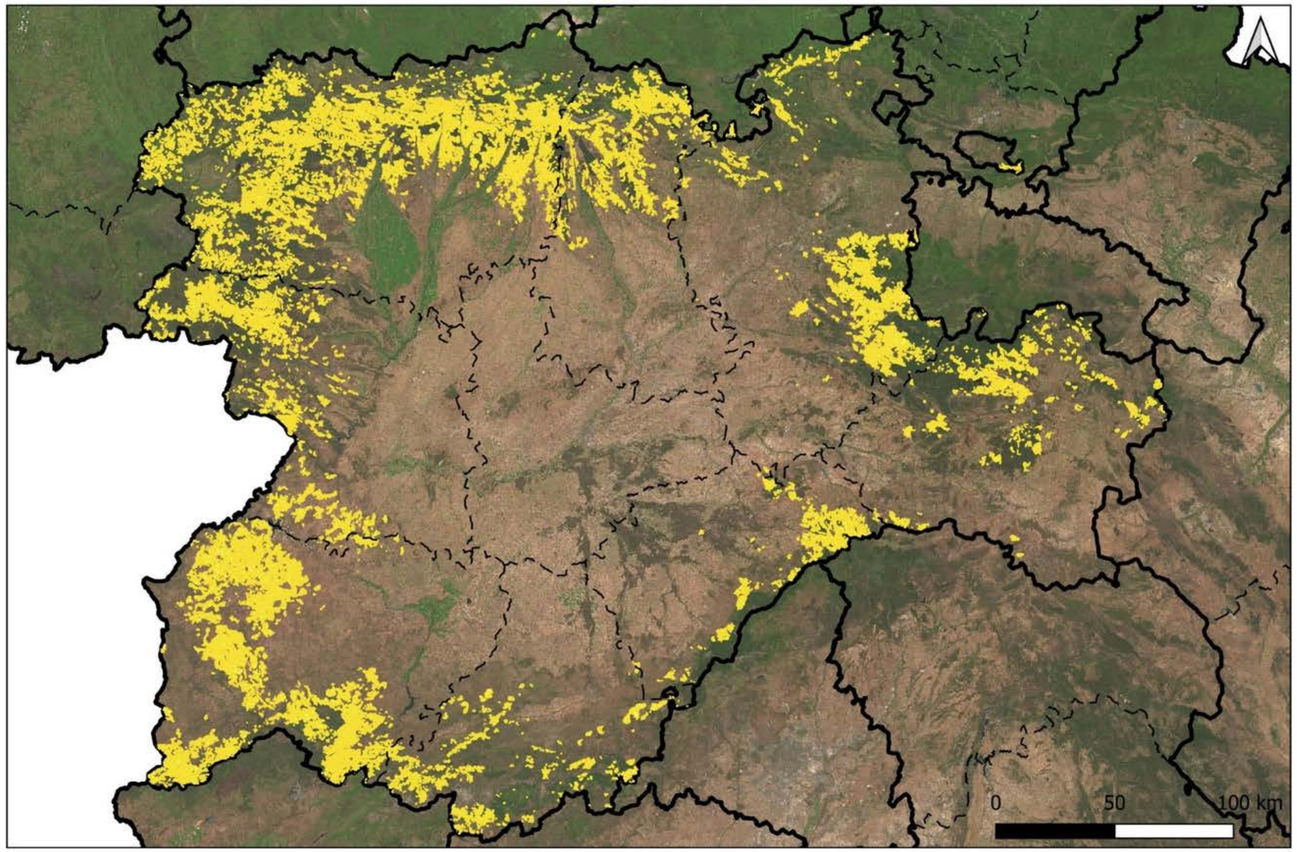
To assess under different scenarios the overall climate change mitigation capacity of the oak forests managed under the CSF model, through analysis of carbon fluxes in forests and products.



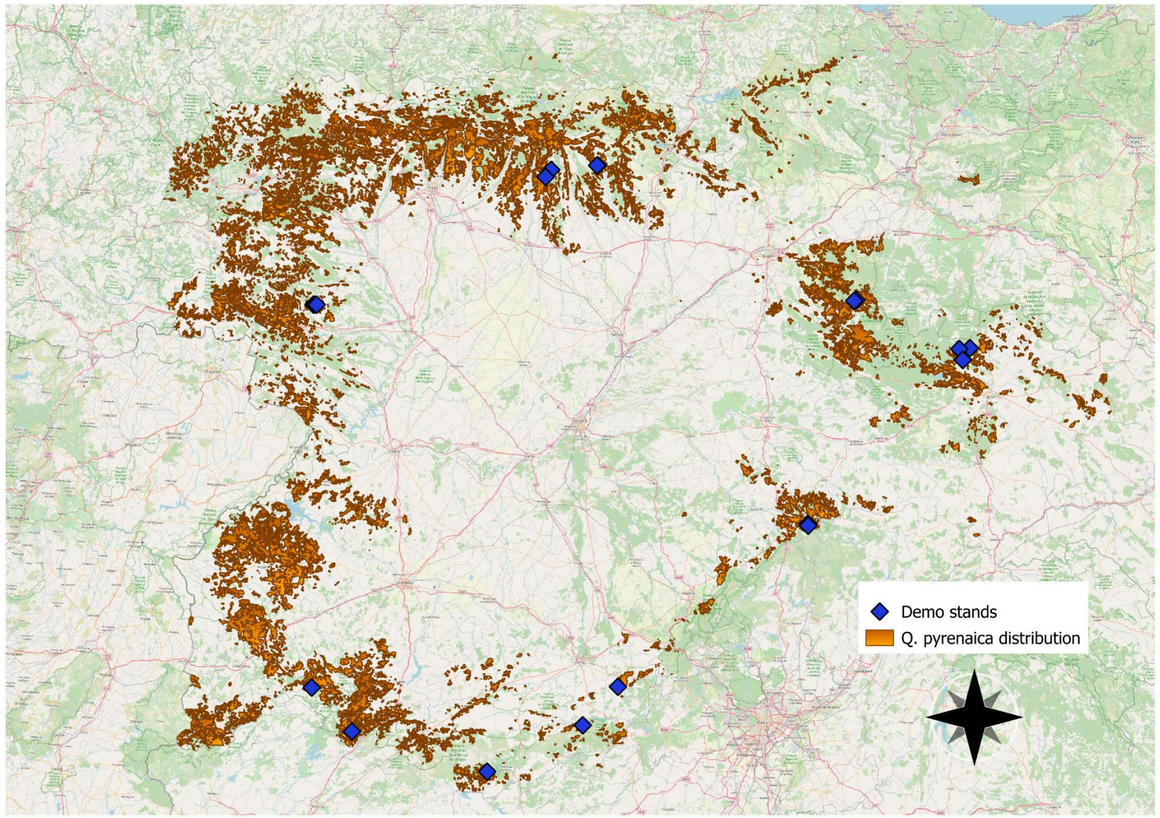
The pyrenean oak forests distribution

- 550.000 ha in **Castilla y León**
- 845.000 ha in **Spain**

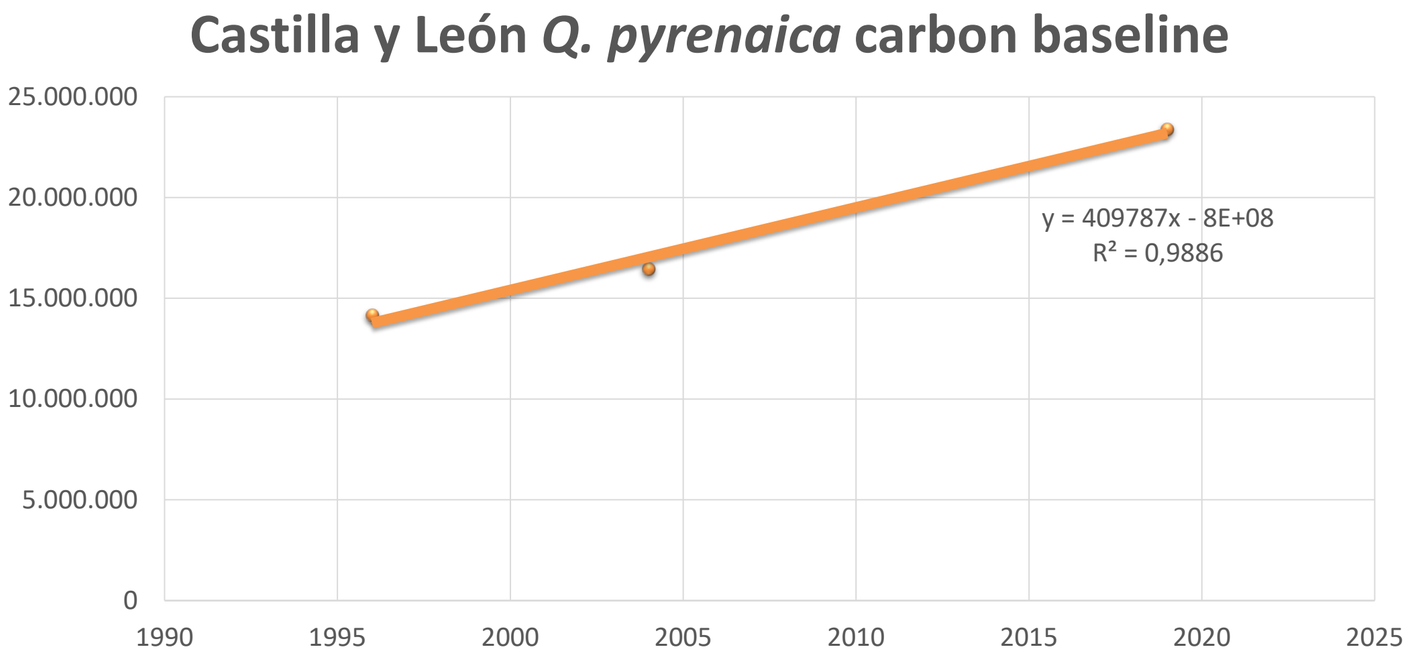
Distribution of Q. pyrenaica in Castilla y León

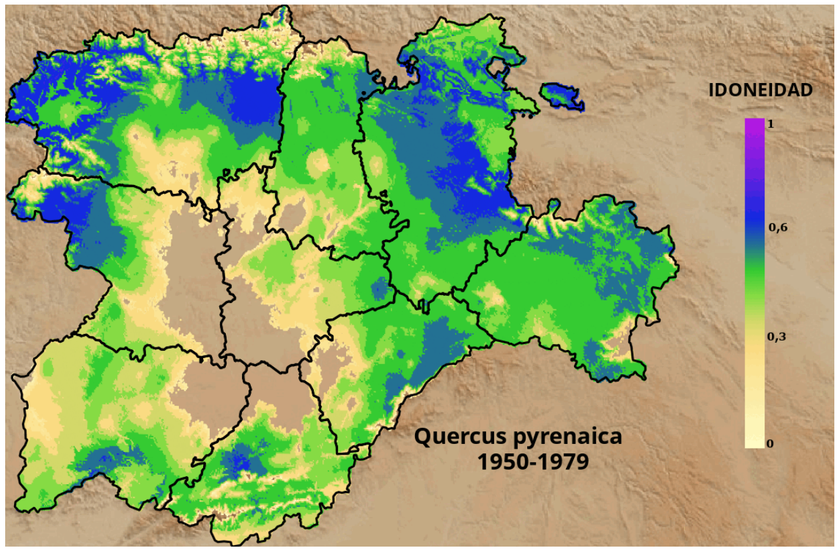


20 demo stands



Climate Smart Forestry (CSF) based in Closer To Nature Silviculture





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

Climate Smart Forestry (CSF) based in Closer To Nature Silviculture

Improve the technological quality of trees → Longer life products → Increase Carbon storage in products

Thank you!

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