The LIFE FOREST CO2 Project, the Silviculture as a mitigating element of Climate Change



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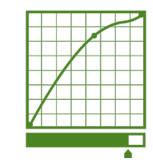




PROJECT BACKGROUND

In 2016 starts the project LIFE FOREST CO2 (LIFE14 CCM/ES/001271) "Quantification of forest carbon sinks and promotion of compensation systems as tools for mitigating climate change", a transnational and cross-cutting proposal to encourage the forest sector to generate carbon sinks as a result of Sustainable Forest Management (SFM) actions, at the same time as promoting the reduction and compensation of greenhouse gas emissions in the diffuse sectors, responsible for approximately 60% of GHG emissions in Spain and the European Union.

OBJECTIVES



To know precisely, according to Decision 529/2013/EU and the IPCC, the accounting of net anthropogenic CO₂ emissions and removals as a consequence of the GFS in *P. halepensis* and *P. pinaster*.



Model and synthesize carbon sequestration information, and transmit it to stakeholders so that it can be considered in the accounting of sinks.



Promote in diffuse sectors projects and work framed in the forestry sector as a tool for mitigating climate change through voluntary offsetting of CO₂ emissions.

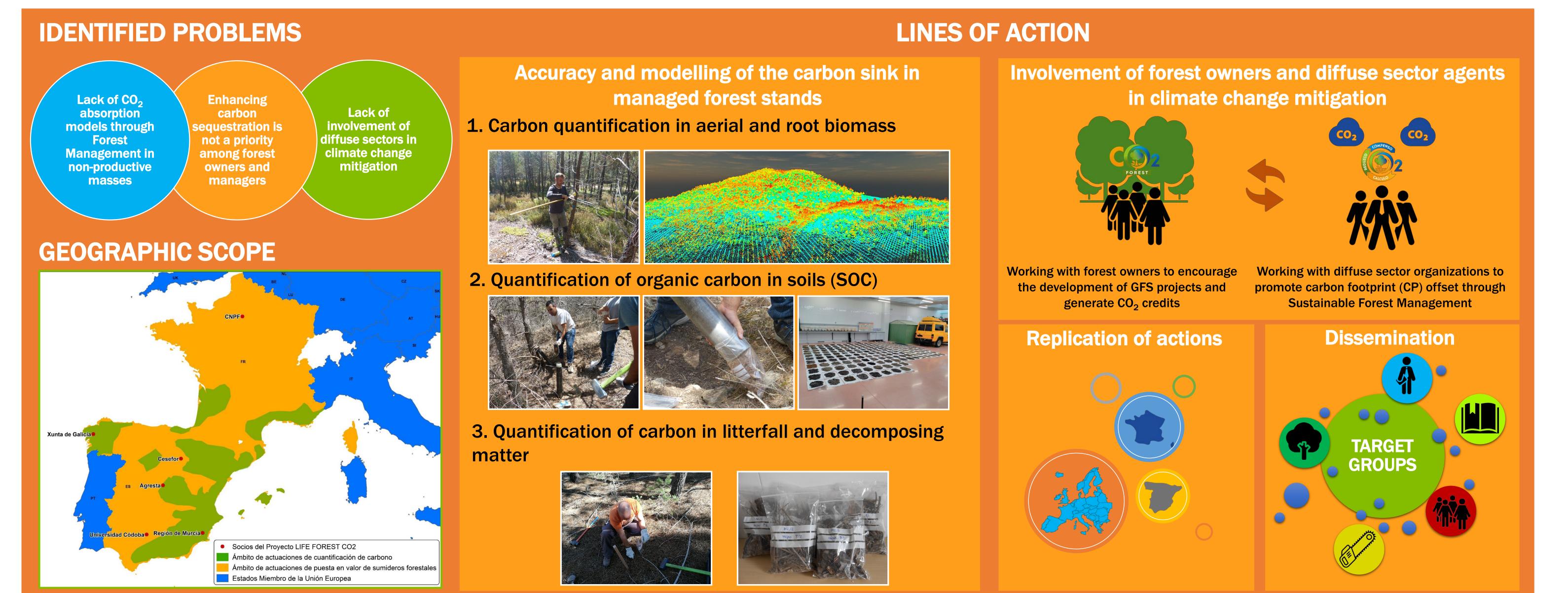


To encourage a change in the business culture that will allow us to move towards a low-carbon economy.



Involve the forest sector in the development of forest carbon sequestration and Sustainable Forest Management projects.

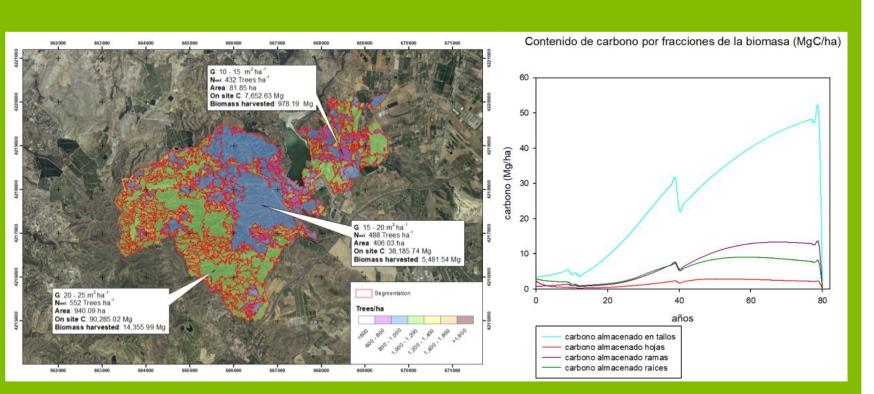
METHODOLOGY



RESULTS



New tools for calculating carbon absorption capacity of forest stands



Developed efficient models for the accounting of carbon sinks (aerial and root biomass, SOC, litterfall and decomposing matter) in masses of *Pinus halepensis* and *P. pinaster*, depending on the forest management implemented.

Revitalisation of the voluntary market for CO₂ credits from Sustainable Forest Management



Commitments on CALCULATION, REDUCTION and COMPENSATION of the Carbon Footprint with diffuse sector public and private institutions.

Agreements with forest owners for the development of MITIGATION projects through SFM.

Communication and dissemination actions strategy for the replicability of actions at European level





A strategy for the replicability of actions at European level has been implemented.

Several actions for communication, awareness-raising and dissemination of results are being developed at European and Mediterranean level.

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