



Coupling water, fire and climate resilience with biomass production from forestry to adapt watersheds to climate change

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The project *LIFE RESILIENT FORESTS – Coupling water, fire and climate resilience with biomass production from forestry to adapt watersheds to climate change* is co-funded by the LIFE Programme of the European Union under contract number LIFE 17 CCA/ES/000063.

RESILIENT FORESTS PROJECT

Co-funded project by the European Union's LIFE+ Programme to promote a **forest management** approach at the **watershed scale** that **improves forests resilience** to wildfires, water scarcity, environmental degradation and other effects induced by **climate change**.

PARTNERS



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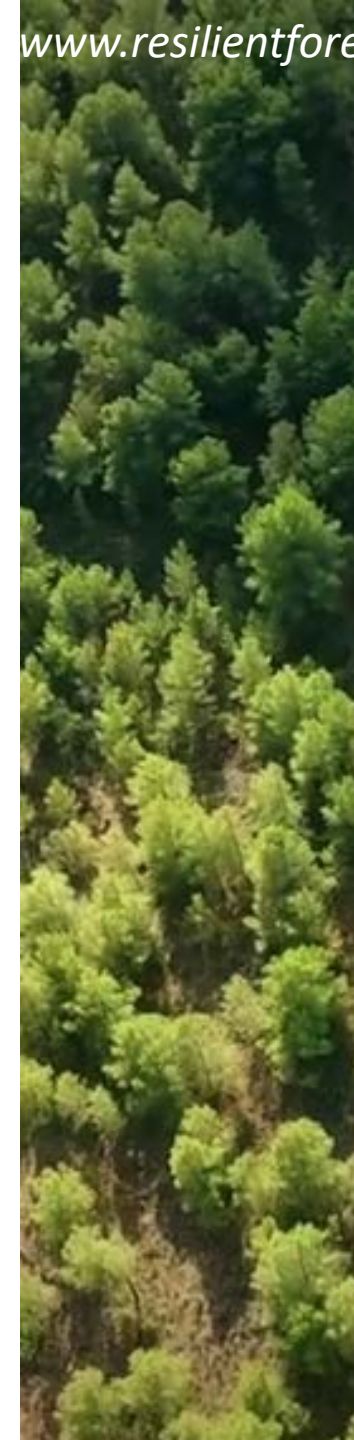


AYUNTAMIENTO DE SERRA Spain



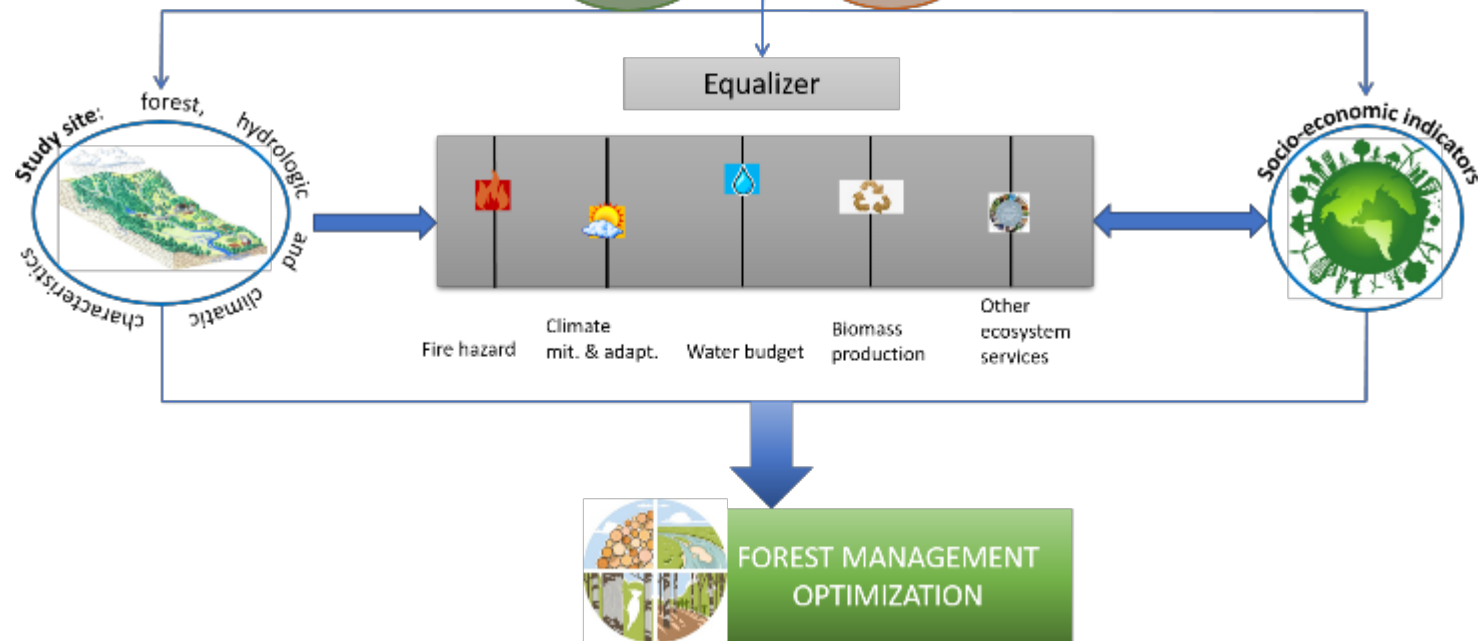
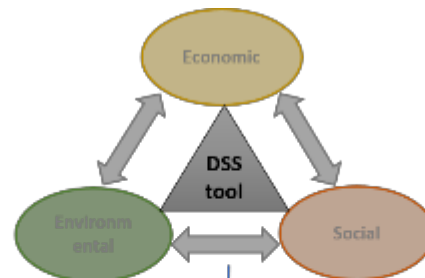
OBJECTIVES

- Developing a **Decision Support System (DSS)** for forest managers;
- **Demonstrating** the DSS tool at both **catchment and sub-catchment level** in Germany, Portugal and Spain.
- Developing a complete monitoring system, including a Life Cycle Assessment of the forest management approach, that will demonstrate the **positive environmental impact** of the project, as well as its **socioeconomic impact**;
- **Transferring** management approaches around Europe.





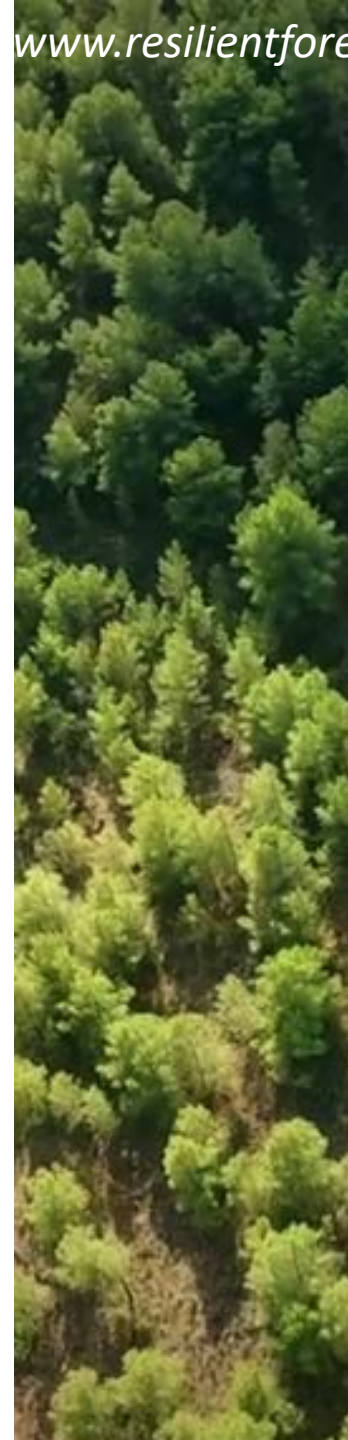
OBJECTIVES





EXPECTED RESULTS

- Demonstration and replication of a successful, **innovative forest management scheme at a watershed scale**, which will be further expanded up to 350,000 hectares;
- **Increased water reserves** of 45-200 l/m²/year and increased water availability downstream, leading to a **reduction in energy extraction costs** to 5 W/hm;
- **Increased sustainable biomass production** for between 10 and 15 t/ha year;
- **Reduced fire hazards** by 30%;
- **Increased resilience** of 25% of **forest areas** to withstand droughts, pests and disease outbreak.





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THANK YOU FOR YOUR ATTENTION

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