





Introduction (1/2) PLANTED FORESTS → growing importance in the global forest economy 277.9 M ha (6.95% of forest cover) → +4.42 M ha/year 1990-2015 1/3 of global industrial timber supply → up to 70-80% by 2050





Research Questions and Objectives

GENERAL OBJECTIVE: to provide estimations of timber investment returns from the main productive forest plantation species in southern Europe, analyzing their recent evolution and the role of the major policy and market factors in influencing it.

RQ1 > What are the potential timber investment returns from the main productive forest plantation species in SE?

RQ2 > How has financial profitability of investments in productive forest plantations in SE evolved through recent time?

RQ3 > How have these identified policy and market factors influenced the evolution of financial profitability of productive forest plantations in SE?

RQ4 > What is the status of investments in productive forest plantations in SE and how has it evolved?

RQ5 > What is and what can be the role of planted forests in the development of a bio-based economy in SE?

SO 1 - To **provide estimations of timber investment returns** for the main productive forest plantation species in southern Europe;

SO 2 - To analyze timber investment returns **recent evolution**, estimating *ex-post* how they have changed as a function of the evolution of investments costs and timber prices;

SO 3 - To analyze the **role of the major policy and market factors** such as public subsidies, timber prices, land cost and opportunity-cost, in influencing timber investment returns;



















Final remarks and next research steps

- Estimations based on standard management regimes → evidently cannot represent all the situations
- Results and economic outlook considerations drawn from the research will contribute:
 - to discuss the status of investments in planted forests in southern Europe and the implications in the development of a bioeconomy
 - to assess the correlation between financial profitability and new investments
- Next steps:

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SAF Developments

- Northern Spain (radiata pine + maritime pine + eucalyptus)
- **Portugal** (Eucalyptus + maritime pine)
- South-western France (maritime pine + poplar)
- Towards a **systematic monitoring** of planted forests investments financial returns



