

FORESTVALUE PROJECT IDEA

- To build a new added-value forest-tree based product chain of coniferous species *Pinus pinea*, *Pinus pinaster* or another coniferous tree species suitable for planting in Northern Spain that could serve as raw material for innovative industrial products (solid wood products, bio refinery, others) with special technology developments
- There should be two more companies from different countries participating in the call and co-financing their own companies and research center partner
- Examples of the possible consortia and activities (just one of the following or another determined on the way will be attempted in the proposal):

COUNTRY-PARTNER	On <i>Pinus pinaster</i>	On <i>Pinus pinea</i>
SPAIN-TRAGSA Maceda Nursery	Selection of new resistance genotypes to Pine Wood Nematode Illness (quarantine organism) within quality solid wood genotypes collection	Integrating and adapting newly <i>Pinus pinea</i> in vitro and ex vitro clonal propagation technics on high productive pine nut genotypes and resistance to <i>Leptoglossus occidentalis</i>
2nd COUNTRY	Solid wood first transformation industry innovating	Creating seed orchard for pine nut production innovating
3rd COUNTRY	Solid wood second transformation industry innovating	Pine nut second transformation industry innovating.

ACTUAL PARTNER EXPERTISE

- TRAGSA Maceda Nursery (company):
 - Ex vitro and in vitro *Pinus pinaster* clonal plant propagation expertise willing to integrate and adapt new species protocol
 - Traditional forest plant nursery facilities and expertise (adaptable greenhouses, fertirrigation systems, big scale plant production)
 - Forest tree biometry expertising
 - Auxiliary operative molecular lab (ARNtotal extraction, ADN molecular markers, etcetera)
 - Freezing, draught and culture simulations chambers for plant phenotyping

POSSIBLE NEW PARTNER PROFILES

- Industrial partners willing to incorporate to its processes coniferous forest-tree based products (technical solid wood, pine nuts, extracts, barks, others)
- Research centers supporting innovation for the industrial partners
- Used to work within collaborative projects in public innovations calls