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):

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

FORESTVALUE ERA-NET COFUND 15/11/2017   TRAGSA Maceda Nursery (Francisco J Lario (flario@tragsa.es)
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