



Tree **bark as a renewable source of wood protection materials for **building** applications (**BarkBuild**)**

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Project name/website: www.barkbuild.net

Project acronym: BarkBuild

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ERA-NET Cofund Action "ForestValue — Innovating forest-based bioeconomy"



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Project partners

- Stockholm University (coordinator), Sweden
 - InnoRenew CoE, Slovenia
 - Latvian State Institute of Wood Chemistry, Latvia
 - Norwegian Institute of Bioeconomy Research NIBIO, Norway
 - VTT Technical Research Centre of Finland Ltd, Finland
 - Warsaw University of Life Sciences, Poland
- Total project budget 1.66 M€
- Project start and end date: March 1 2022 – February 28 2025



Introduction

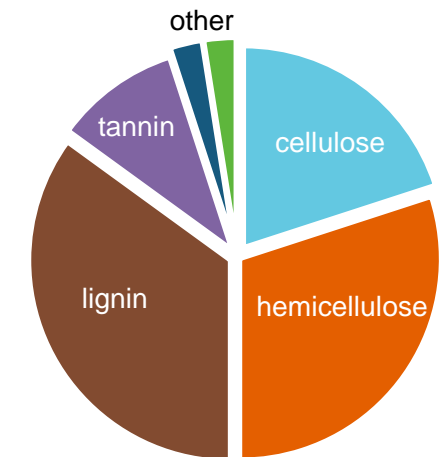
Inspiration from nature

43% forest coverage in Europe

Bark protects trees from physical, mechanical, and biochemical degradation

23 Mtons of bark side-streams available in the EU-27.

Current practice: combustion and landfilling (GHGs)

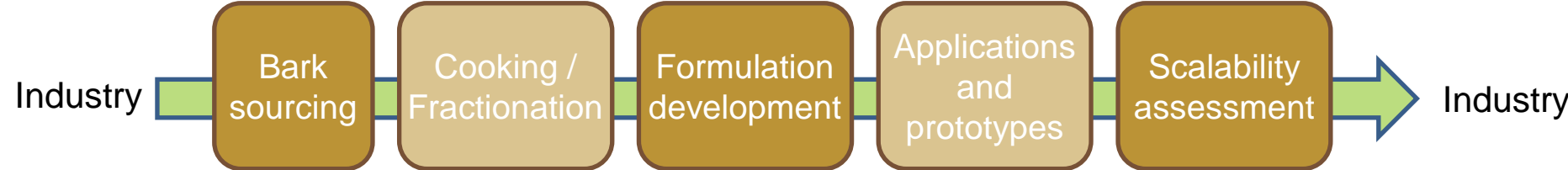


Composition of softwood bark



Expected results

From industrial residues to new industrial products



Partners

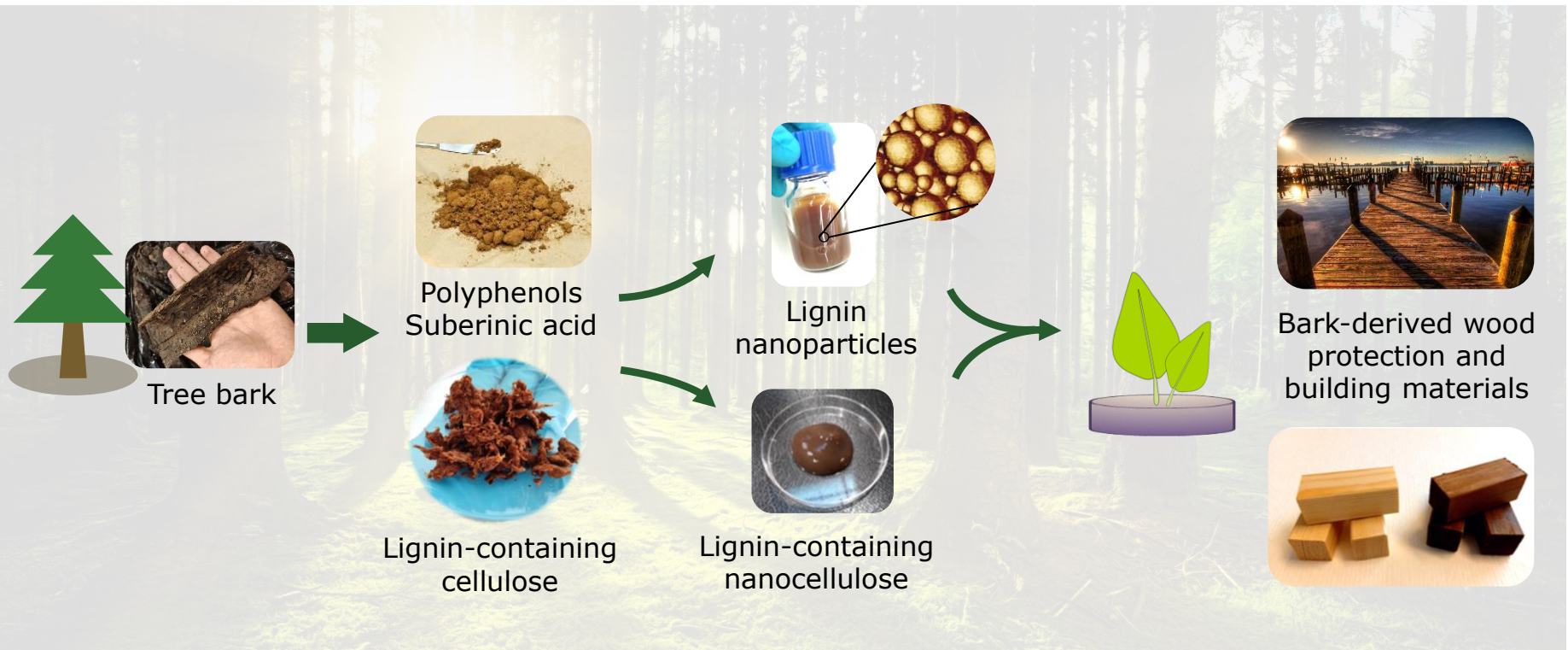


Industrial Advisory Board



Expected results

New bio-based materials and value chains





Impacts

Expected outcomes beyond science and technology



New bark-based formulations and prototypes for wood protection and healthy living spaces



Broad insight into the scalability of the materials



A European network in bark utilisation for wood building



10 new early-career researchers with strong networking and interdisciplinary research skills



The value of scientific cooperation

How it is going

All partners started their activities

Consortium agreement in place

New recruitments

Material exchange started

Publications: 1 (and counting)

First in-person meeting here in Madrid

Website launches soon: www.barkbuild.net



Summary and future perspectives

- ✓ Bark is a rich resource for bio-based wood protection and building materials
- ✓ Success factors of BarkBuild: complementary and interdisciplinary expertise & shared visions





Thank you!

Questions?

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ForestValue

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