

FinnCERES Competence Center for the Materials Bioeconomy

A Flagship for our Sustainable Future

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1. FinnCERES Materials Bioeconomy Cluster

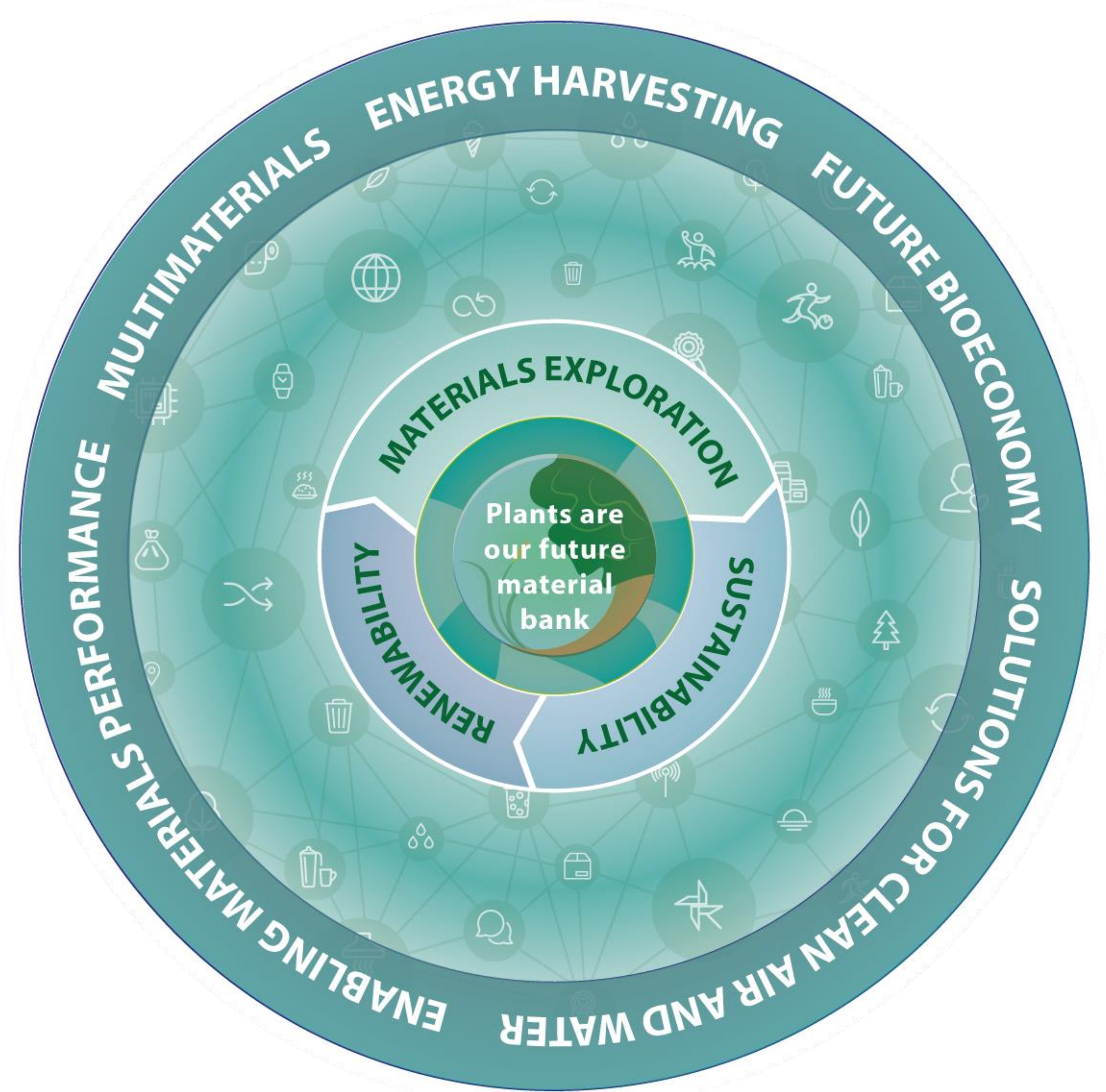
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We aim to ensure our sustainable future by developing materials and applications for the future bio-economy with a solid scientific foundation.

The forest industry is currently going through a significant transition, needing to create new businesses based on novel value-added products manufactured from lignocellulose. Through its activities, FinnCERES will directly support the realization of the Finnish national bioeconomy strategy.

The purpose of the Flagship is to develop new materials, especially those based on forest biomass, for industrial scale production. They include packaging, textiles and separation systems, as well as semiconductors, composites and solutions for energy storage.



Transformation by FinnCERES

FinnCERES addresses some of the most urgent global megatrends such as Resource Sufficiency, Climate Change and Quality of Life. We turn these challenges into opportunities, and further into potential solutions that are built on scientific discoveries:

- New biomaterials to replace or capture plastics
- Alternatives to address the textile fiber gap
- Multifunctional, light-weight structures
- Bio-based electronics and advanced materials

FinnCERES Competence Center

From lignocellulosic science to materials bioeconomy

- Scientific and technological excellence
- Unique world-class infrastructure



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We believe that continuous demand for improved performance will guide material development and applications, and eventually the products we all encounter as consumers.



FinnCERES
Materials Cluster

