

# ERIFORE cooperation action of European Research Infrastructure for Circular Forest Bioeconomy



**ERIFORE**

European Research Infrastructure  
for Circular Forest Bioeconomy

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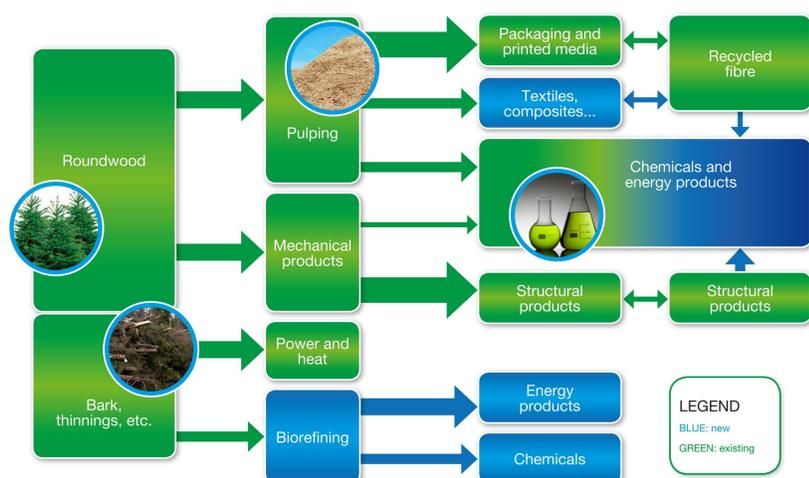
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## Introduction

ERIFORE builds on a new firm alliance aiming to establish open access distributed forest bioeconomy research infrastructure enabling scientific discoveries to be transferred to new business models, novel products and services enabling sustainable growth. The research infrastructure will focus on topics supporting Circular Forest Bioeconomy concepts starting from fundamental teaching and knowledge sharing to high level research laboratories and large scale piloting facilities.

### The Circular Forest Bioeconomy concept - the field of ERIFORE



This two-year Horizon 2020 action started in January 2016 and will be carried out by 13 research organisations from 10 European countries. The action is coordinated by VTT Technical Research Centre of Finland.

### Participant organisations and countries:

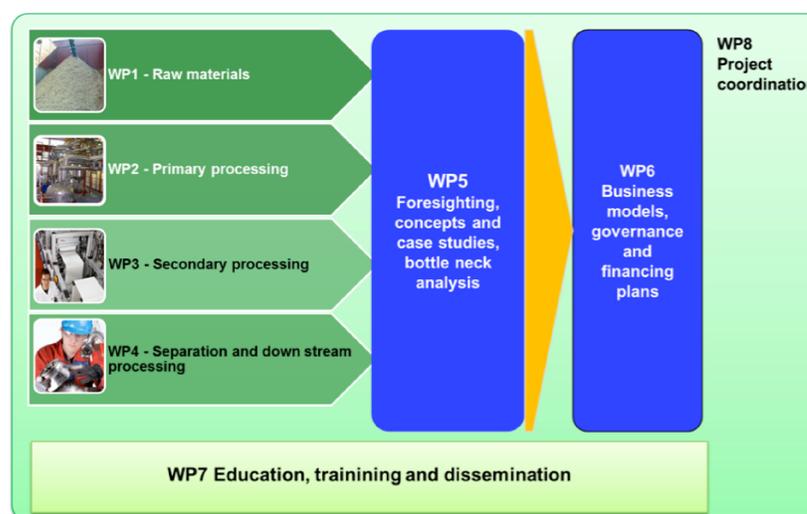
1. VTT, Finland
2. AALTO University, Finland
3. Fraunhofer, Germany
4. SP, Sweden
5. KTH, Sweden
6. SINTEF, Norway
7. FCBA, France
8. INRA, France
9. Tecalia, Spain
10. Wood K plus, Austria
11. Latvian State Institute of Wood Chemistry, Latvia
12. Institute of Macromolecular Chemistry, "Petru Poni", Romania
13. Bio Base Europe Pilot Plant, Belgium

## Implementation

The work will review current state-of-the-art of infrastructures for the forest biomass, processing, separation, purification and conversion to products involving all the stakeholders in surveying the main drivers, technology trends and development needs of the infrastructure. The collected and analysed data will be utilized for the conceptual analysis and design study aiming for future ESFRI collaboration project.

Bottleneck analysis of the operating environment will point out the missing facilities in the European scale. Different models on how distributed infrastructure across Europe could operate will be proposed. Available funding instruments in different countries for the equipment acquisition will be considered and any limitations for open access of the infrastructure charted.

### Roadmapping facilitates establishing ERIFORE



The specific targets of ERIFORE action are:

- To enhance the awareness, utilisation and open access of the complementary research facilities between the major European RTD actors in the field of circular forest biorefinery
- To prepare a conceptual design and plan for cooperational arrangements between the main European RTD providers with a target to establish an ESFRI project in the field of circular forest bioeconomy
- To prepare stakeholder analysis for the development needs in the infrastructure network
- To upgrade bioeconomy competence base by providing contact interface for facilities for education and training.

## Vision

Our vision is that ERIFORE research infrastructure development action will realize the European potential to consolidate its place as a world leader in biomass based research and innovations. The suggested future European research infrastructure will facilitate the development towards enhanced utilisation of renewable raw materials and renewal of established European process industry.



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<http://erifore.eu>