TREESearch
National collaboration on new materials from the forest
Treesearch is a collaboration platform that gathers and supports research.

A platform where academy, industry, private foundations and the government creates an open research environment.
History of Treesearch

Treesearch was founded from a common insight:

*We need to develop the industry utilizing forest raw material in order to become a world leading Bio-based economy*

- December 2014 First common insight
- June 2017 The first seminar
- September 2017 First Board meeting
- May 2018 Opening Ceremony
- January 2019 Launching course program, conference program and available research infrastructure
- April 2019 Around 200 associated researchers
The objective of Treesearch

• Building bridges between industry and academy starting from fundamental research
• Sharing and spreading research results within the platform
• Educating 250 young researchers adapted for future challenges in industry
The effects of Treesearch

An opportunity for industry to engage early in fundamental research…

An opportunity for academy to gain insight of the technical challenges in industry…

…to create an innovative sector highly connected, committed and engaged in research!
Collecting researchers from industry and academy to coordinate the national research commitment. Strategically planning research activities.

Building competence by arranging courses and programs. Increasing knowledge at both industry and academy.

Collecting advanced equipment. Facilitating utilization by offering support on equipment handling and data analysis.

Arranging conferences, seminars and site visits to build bridges between partners. Increasing knowledge integration and information flows.
Research in Treesearch

Divided into 4 thematic research areas spanning from the structure of wood at molecular level to modifying and developing novel material.

1. Wood and Wood Components- structure and modification
2. The Biorefinery for Materials and Chemical Systems
3. Fabrications of Liquid and Material Systems
4. New Material concepts – Material design and functionality
Advanced Infrastructure example

**ForMAX**

- A beamline at MAX IV, Lund, for characterization of forest materials
- Will be finished year 2022
- Creation of a ForMAX-portal available from Treesearch which also includes access to other beamlines at MAX IV
- ForMAX is sponsored by a 100 MSEK investment by the Knut and Alice Wallenberg Foundation. Treesearch will cover the operating cost
**Collaboration**

**Treesearch Conference concepts**

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<tr>
<th>Concept</th>
<th>Description</th>
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<tr>
<td><strong>Progress</strong></td>
<td>Full days conference with an overview of the national research activities within the platform</td>
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<tr>
<td><strong>Foresight</strong></td>
<td>Future oriented event with a mix of science and social issues</td>
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<tr>
<td><strong>Insight</strong></td>
<td>Conferences with associated projects presenting results</td>
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<tr>
<td><strong>Scientific Sessions</strong></td>
<td>Shorter seminars with relevance to the 4 thematic research areas in Treesearch</td>
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<tr>
<td><strong>Meet</strong></td>
<td>Site visits</td>
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You can get support by Treesearch arranging a seminar or event!
Overview of research in Treesearch

Take the opportunity to network with people from industry, academy, private foundations and the Swedish government

Registration closes at 19th of April
Education

TreeSearch offers…

• Academic high quality courses in English
• M.Sc, doctoral and research level course program
• Courses from the former FPIRC, The Forest Products Industry Research College

…to associated researchers!
Association to Treesearch

You can associate if you are:

- A researcher at any university in Sweden doing research that relates to any of the 4 thematic research areas in Treesearch
- Postdoctor or PhD student employed by a university
- Working with related research at a industry partner of Treesearch
- Working with related research at RISE

Send an application of association at www.treesearch.se/en/association/
Association to Treesearch

You will get:

• Knowledge and a chance to influence research
• Information by newsletter and a national network
• Access to courses and education programs
• Utilize advanced research infrastructure
• Access and support to arrange conferences and seminars