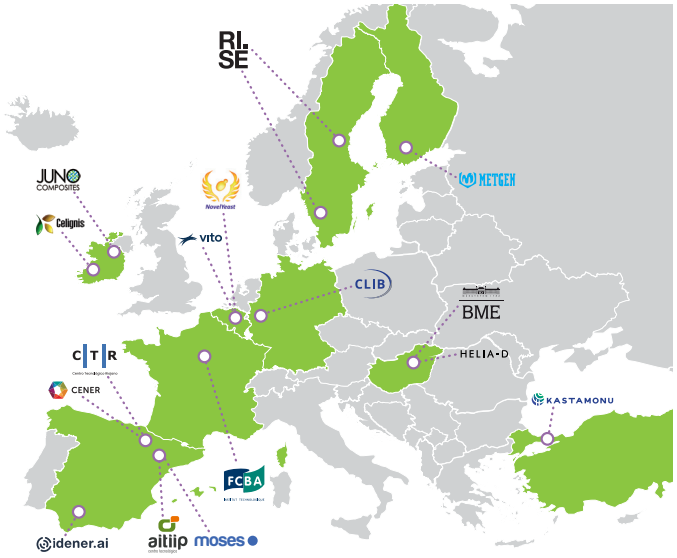
The LIGNOFUN consortium
18 partners, 9 countries

LIGNOFUN brings together a strong consortium made up of leading research institutes, SMEs, large industry players, and clusters:

RISE	Kastamonu Entegre
RISE PROCESSUM AB	CLIB
RISE LignoDemo	Idener
VITO	Budapest University BME
Metgen	Institut Technologique FCBA
Fundacion CENER	Fundacion Aitiip
Juno Composites	Moses Productos
NovelYeast	Helia-D
Celignis	Centro Tecnologico Riojano



Our shared mission: to replace fossil-derived aromatic lignin-based compounds with sustainable alternatives.

LIGNOFUN (LIGNin-based arOmatic FUNnelling to high-value biochemicals and biomaterials production) is an Innovation Action project funded by CBE JU under Horizon Europe (Grant agreement ID: 101214432)

LIGNO·F·U·N·

Lignin funnelling to biochemicals & biomaterials

Get in touch

Coordination:
RISE Research Institutes of Sweden
Vaskar Mukherjee
vaskar.mukherjee@ri.se

Communiction:
CLIB Cluster Industrielle Biotechnologie
Peter Stoffels
stoffels@clib-cluster.de

See what's new

www.lignofun.com

Circular Bio-based Europe Joint Undertaking

Bio-based Industries Consortium

Co-funded by the European Union

The project is supported by the Circular Bio-based Europe Joint Undertaking and its members. Fundedby the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CBE JU. Neither the European Union nor the CBE JU can be held responsible for them.

LIGNO·F·U·N·
Lignin funnelling to biochemicals & biomaterials

LIGNO·F·U·N·

Lignin funnelling to biochemicals & biomaterials

LIGNOFUN aims to utilize kraft lignin and black liquor, two underutilized by-products of the pulp and paper industry that are currently mostly burned for energy. By converting these by-products into sustainable, high-performance materials, we will replace fossil-based aromatic substances and contribute to a more circular, bio-based economy in Europe.

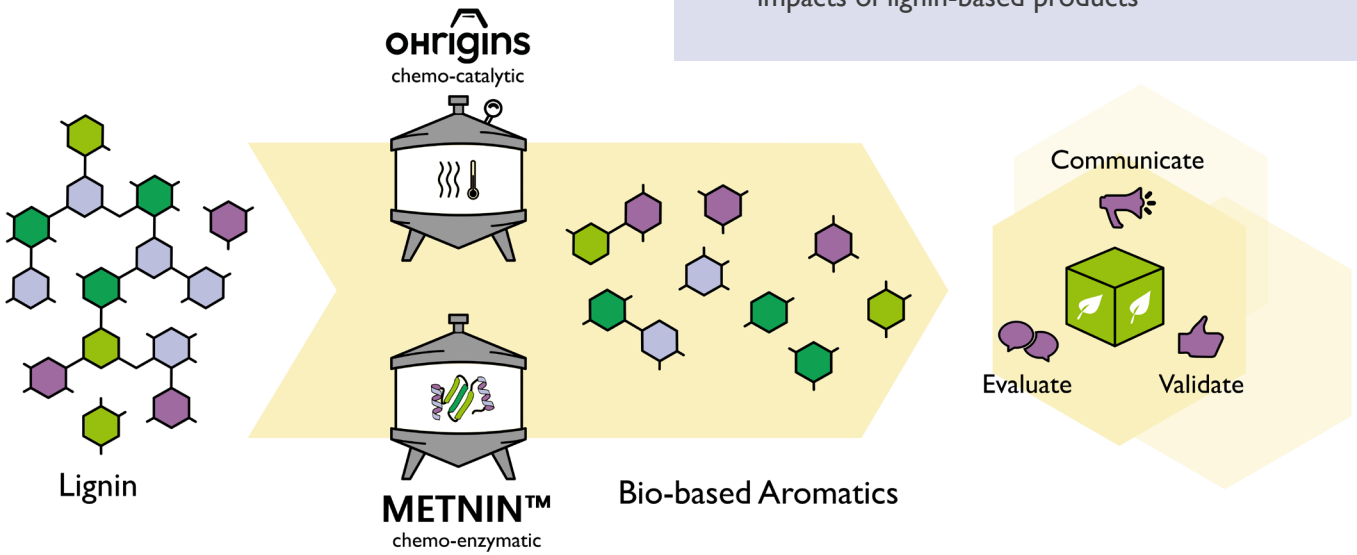
Two cutting-edge depolymerization technologies - METNIN™ and OHRIGINS™ - are deployed to unlock aromatic-rich product streams allowing for precise reaction control and product streams tailor made for various applications. LIGNOFUN will not only leverage these processes but advance them further to secure a sustainable stream of bio-based aromatics.

From side streams to value – LIGNOFUN's mission for a greener industry

Lignin derived bio-aromatics hold the potential to replace fossil-based products used across various value chains. Our consortium will combine its expertise to funnel those building blocks into sustainable applications like nylon, adhesives, coatings, composites, wood panels, cosmetics, personal care products and rubber products.
Product development will not only take into account safe and sustainable by design (SSbD) guidelines, but will be evaluated according to their environmental, economic and social impact across the value chains including.

Impact along the whole value chain

- Optimization and scale up of two innovative lignin depolymerization technologies
- Development and validation of sustainable applications targeting several key sectors
- Evaluation of environmental, economic, and social impacts of lignin-based products



Lignin-derived products – competitive and fit for future

We trust early stakeholder engagement, aiming to co-create market-ready solutions and build momentum for bio-based circular value chains.

Get involved

LinkedIn