MISSION Latvia

BIOREFINERY

From forest resources to high-value bioeconomy products

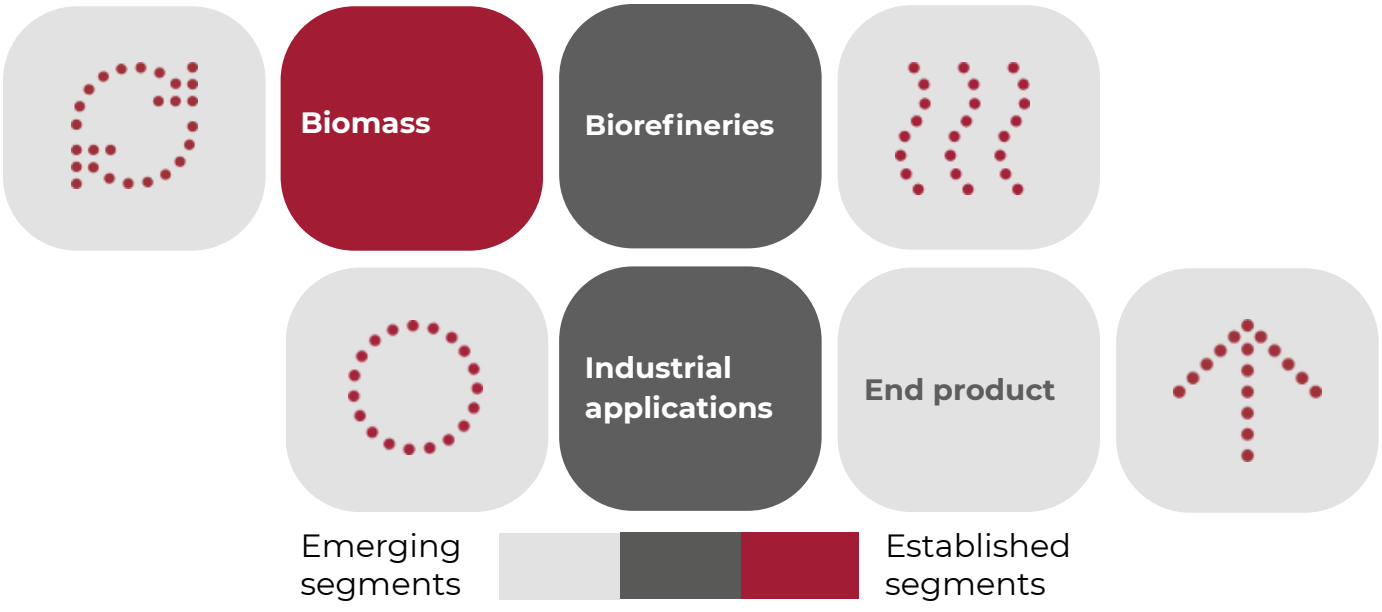
>37%
of the forest area is occupied by birch and aspen, which are rich in cellulose and hemicelluloses

6th
in Europe in terms of per capita consumption of local wood material (economy-wide)

TRL 4–6 pilot facility
A dedicated pilot facility enables technology validation from TRL 4 to TRL 6

Ariane 6 flight-proven material
Cryogenic polyurethane insulation developed in Latvia is used in the Ariane 6 launcher, demonstrating space-grade materials capability

Bio-based industry value chain



Leading companies

Latvijas Finieris
Fibenol
Betulin Lab

Latvia State Institute of Wood Chemistry commercialized product brands

furfural FOR FUTURE
Rignocell
Sustainable polyols
SUBERBINDER

MISSION Latvia

Industrial wood chemistry at emerging commercial scale

Latvijas Finieris
One of Europe's leading birch plywood and wood chemistry players, integrating advanced materials R&D with large-scale industrial production and global exports, while actively developing bio-based resins, adhesives and high-value wood components.

BetulinLab
Deep-tech biotech company developing high-purity betulin and betulinic acid from birch bark for pharmaceutical, cosmetic and biomedical applications, converting forestry by-products into high-value bioactive compounds.

StoraEnso
Part of a global renewable materials group, with industrial-scale wood processing and bio-based product development, strengthening Latvia's position in sustainable materials and circular bioeconomy value chains.

Relevant Education Institutions

Bio-based Industries Consortium

RIGA TECHNICAL UNIVERSITY (1862) · UNIVERSITY OF LATVIA · LATVIAN STATE INSTITUTE OF WOOD CHEMISTRY · Latvia University of Life Sciences and Technologies · IUFRO Interconnecting Forests, Science and People

Applied research supporting industrial bio-based innovation

SILAVA · epnoe

Latvian State Institute of Wood Chemistry
Over 75 years of expertise in wood chemistry, specialising in biomass processing, bio-based polymers and functional materials, with a strong track record in applied research and industry collaboration.

Latvian State Forest Research Institute "Silava"
Applied research in forest biomass, biorefining and sustainable resource utilisation, supporting the development of bio-based materials and green fuels aligned with industrial needs.

European research integration
Active participation in EU research consortia (e.g. BBI JU, UFRO), strengthening access to international funding, shared infrastructure and pathways to commercial deployment.

Riga Technical University & University of Latvia
Academic research in bio-based binders, composites and advanced materials, contributing to pilot-scale development and technology transfer through collaboration with industry and European partners.