



Reclaimed Timber: Project Map

An overview of international and national projects related to the identification, classification, resource mapping, and high-value utilisation of reclaimed wood within the circular economy.

ZP18 REFERENCE PROJECT

Reference Project: Recovered Wood Flow (ZP18)

Research project ZP18 "Investigation of Opportunities to Replace Primary Wood Raw Materials in the Production of High Added Value Wood Products"

Objective

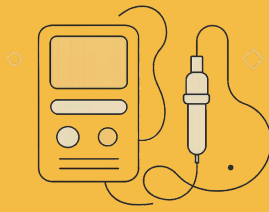
Identify and classify available wood residues in Latvia, assess their potential for use in the production of high-value products.

Funding

Forest Sector Competence Centre (No. 1.2.1.2.i.2/24/A/CFLA/001) – ZP18.
Support funding: **273,620 EUR**. Total budget: **499,800 EUR**.

Period

01/02/2026 – 30/09/2027. Implementer: Institute of Forestry and Wood Products Research and Development Ltd.



SIMILARITY: ★★★★★

Ti-ReX – European Methodology for Recovered Timber

Develops a unified European methodology for quality assessment and re-certification of recovered structural timber, using **non-destructive testing (NDT)**, automated data processing, LCA, and material flow analysis (MFA).

Budget

1,368,712 EUR

Period

15/04/2024 – 15/04/2027

Funder

HORIZON-WIDERA-2022-ERA-01-10 + national funds

Ti-ReX Partnership



Lead Partner

SINTEF (Norway) – lead partner



Research Partners

UPM (Spain), WUT (Poland), Aalto (Finland), ZAG (Slovenia), **ViA – Vidzeme University of Applied Sciences (Latvia)**



Industry and Public Sector

Rambøll Norge (Norway), Municipality of Trondheim (Norway)



Latvia's participation in the Ti-ReX project is ensured by the Forest Development Fund (No. 24-00-SOMF11-000004) with funding of **30,000 EUR** (15/04/2026–15/04/2027). Vidzeme University of Applied Sciences implements Work Packages 3–6: pilot project, LCA, LCC, MFA, BIM, and communication.

SIMILARITY: ★★★★★

TimberLoop – Structural Wood Preservation

An Austrian project developing solutions for structurally preserving the reuse of reclaimed construction timber in building, promoting cascaded use and a circular economy. The goal is to avoid premature CO₂ emissions by preserving the structure and value of wood.

Budget

1,200,000 EUR

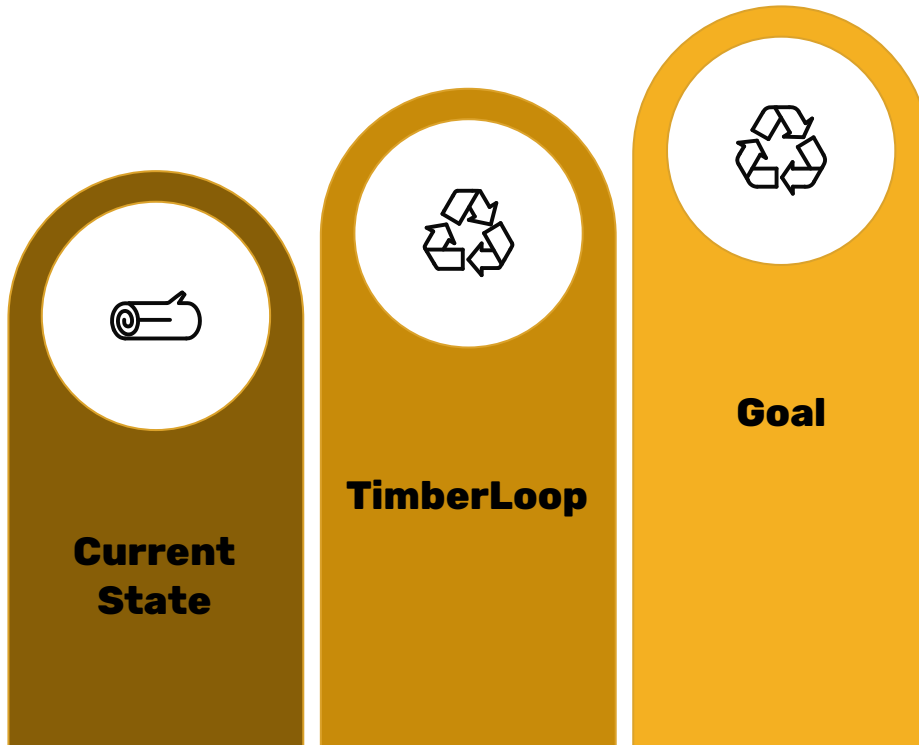
Period

01/09/2022 – 28/02/2025

Funder

FFG (Austria), No. 893366, THINK.WOOD Innovation

TimberLoop: Key Takeaways



Current practice – chipping wood and using it in panel manufacturing or for energy – is a disproportionate form of downcycling. TimberLoop fills knowledge gaps by developing concepts for re- and upcycling without wood preservatives. Coordinator: Holzforschung Austria; 14 industry partners.

SIMILARITY: ★★★★★

Timber Circularity – Treated Timber in the Circular Economy

An Australian project identifies environmentally and economically viable options for the reuse and recycling of treated timber and engineered wood products (EWP), reducing wood from ending up as waste.

Budget

593,000 EUR (FWPA co-funding ≈ 125,400 EUR)

Period

Apr 2023 – Apr 2026

Lead Institution

University of the Sunshine Coast (Australia); funder: Forest and Wood Products Australia (FWPA)

SIMILARITY: ★★★★★

W2W – Wood Waste Valorisation

HORIZON EUROPE project (ID: 101138789) develops an integrated system for **cascading valorisation** of construction, demolition, and furniture wood waste. Includes advanced sorting technologies, digital product passports, LCA methodology, and supply chain optimisation.

Budget

9,996,828.65 EUR

Period

01/01/2024 – 31/12/2027

Consortium

26 partners from Europe and South Africa; coordinator: ICCS (Greece)

SIMILARITY: ★★★★★

EcoDLT – Recovered Wood in DLT Structures

The project (HORIZON EUROPE, ID: 101180622) develops a technology that allows combining recovered wood with new wood using **DLT (Dowel-Laminated Timber)** technology – elements joined with wooden dowels instead of glue. This reduces processing costs and makes the use of recovered wood economically more attractive.

Budget

155 559,36 EUR

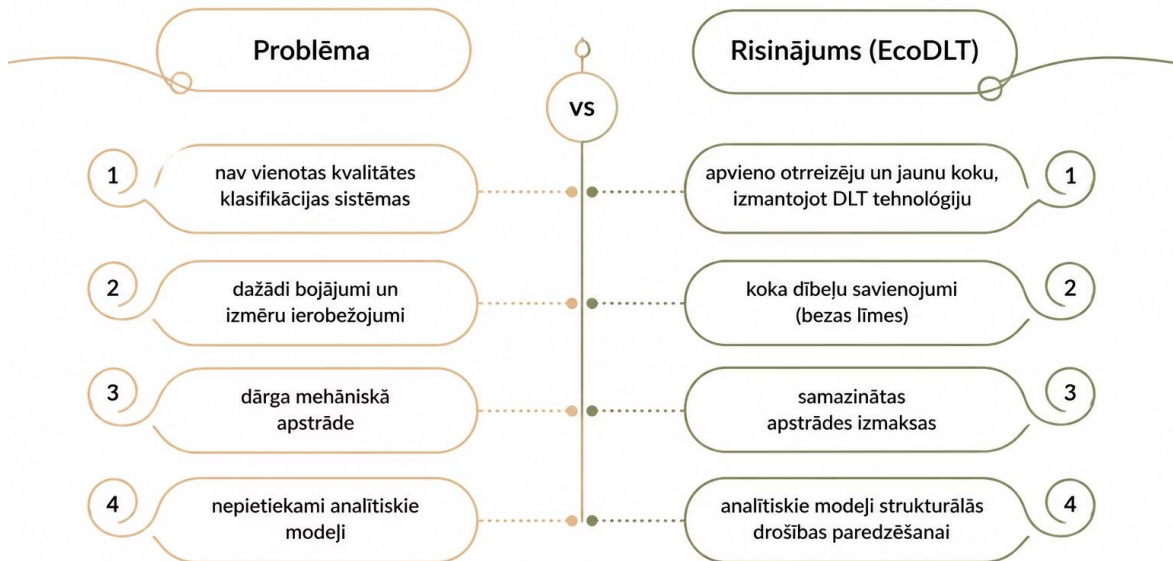
Period

01/09/2024 – 28/02/2027

Coordinator

Univerza na Primorskem (Slovenia)

EcoDLT: Problems and Solutions



EcoDLT addresses four main barriers to the reuse of reclaimed structural timber in load-bearing structures, driving significant innovations in cascading wood utilization.

SIMILARITY: ★★★★★

DRASTIC & CircWOOD – Circular Construction



DRASTIC

Demonstrates circular construction solutions, reducing lifecycle carbon emissions from buildings through deconstruction and material recovery.

Budget: **7,854,997.94 EUR**
(HORIZON EUROPE, ID: 101123330).
Period: 10/2023–09/2027.
Coordinator: VITO (Belgium), 23 partners.

CircWOOD

Norwegian project investigating diagnostics of reclaimed wood, resource flow mapping, and reuse potential in circular construction.

Budget: **3,800,000 EUR**. Period:
01/2022–07/2026. Lead institution:
NIBIO.

SIMILARITY: ★★★★★

SuReUP – Reuse of End-of-Life Poles

A Latvian ERDF project (No.: 1.1.1.3/1/24/A/012) developing solutions for the reuse of wooden poles from decommissioned electricity transmission lines. Focused on the reuse of recovered timber (end-of-life poles) – a unique Latvian context.

Total Budget

683 022.50 EUR (incl. 600 000 EUR ERDF and state budget)

Period

01/10/2025 – 30/09/2028

Implementers

Latvian State Institute of Wood Chemistry + SIA "Jauda-koks"

SIMILARITY: ★★★★★

WoodStock & MUP SIS 2024

WoodStock (HORIZON EUROPE, ID: 101181021)

Develops sustainable solutions for the use of underutilized wood resources in construction and the bioeconomy, supporting the New European Bauhaus. Budget: **6,861,253.27 EUR**. Period: 11/2024–10/2028. Coordinator: Ghent University (Belgium).

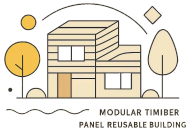
MUP SIS 2024 (HORIZON EUROPE / EUREKA Eurostars-3)

Develops a mobile smart system for inspection of wooden poles using radar sensors, RGB cameras, LIDAR, and AI analytics. Budget: **1,955,140 EUR**. Period: 04/2025–05/2028. Partners: SIA InPass, AS "Sadales tīkls", NORCE, Aersea AS.

 MUP SIS 2024 is significant in the context of wood diagnostics and NDT, but is not focused on reuse or valorisation of recovered timber.

SIMILARITY: ★★☆☆

REUSE & CIRCULess



REUSE (JRC, 2024)

A European Commission JRC project developing modular and reusable timber panel systems using a Design for Adaptability, Reuse and Deconstruction approach. Focuses on designing for reuse, less on classification and resource mapping.



CIRCULess (HORIZON EUROPE, ID: 101138330)

Demonstrates high-value recycling and reuse of various construction materials, including timber.

Budget: **11 475 711,83 EUR**. Period: 07/2024–12/2027. Coordinator: NTNU (Norway).

SIMILARITY: ★★ ★

Woodcircles – Circular Timber Construction

A four-year HORIZON EUROPE project (ID: 101082184) developing circular and sustainable solutions for the use of wood in construction, accelerating the green transition. Less focus on timber classification and resource mapping compared to ZP18.

Budget

7,056,273.56 EUR

Period

06/2023 – 05/2027

Consortium

20 European partners; coordinator: Teknologisk Institut (Denmark)

SIMILARITY: ★★ ★

LIFE Waste To Resources IP – Latvia

Integrated circular economy project for efficient resource use and improved waste management in Latvia (LIFE20 IPE/LV/000014). Includes construction waste and wood streams. Best practices from Austria and Finland.

Total Budget

15,245,351 EUR (EU LIFE: 9,147,210 EUR; national: 5,036,374 EUR; partners: 1,061,767 EUR)

Period

2021 – 2028

Complementary Activities

Funding: **96 million EUR**. Coordinator: VARAM + 21 cooperation partners.

SIMILARITY: ★★

SINERGIA & VIBE – Circular Economy Support

SINERGIA (LIFE20 IPE/LV/000014, from Jul. 2024)

Industrial symbiosis innovation accelerator. Develops industrial symbiosis and business innovation solutions for more efficient resource use. Not focused on recovered wood.

Support for one innovator: up to **40,000 EUR**.

Implementers: CLEENTECH LATVIA, RTU.

VIBE (EUKI-2025, 02/2026-01/2028)

Promotes the implementation of circular economy principles by developing urban resource centres in Latvia, Germany, Portugal, Spain, and Hungary. Total budget: **951,113.44 EUR**. Riga Energy Agency budget: 292,299 EUR. No specific connection to recovered wood.

Key Findings

→ **International Relevance**

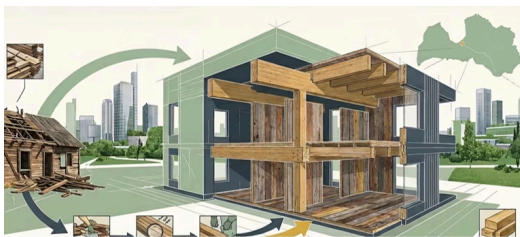
The topic of recovered wood is actively researched in Europe and globally – within HORIZON EUROPE, FFG, FWPA, ERDF, and other programmes.

→ **Latvia's Positioning**

Latvia participates in the Ti-ReX (ViA) and SuReUP projects, building national capacity in the field of recovered wood.

→ **Uniqueness of ZP18**

ZP18 is developing a resource mapping and quality classification system tailored to the Latvian context – complementing international projects with a national perspective.



High-Value Processing Approaches for Recovered Wood

MeKA • ZP18 • 2026-2027

Research into substitution possibilities of primary wood raw materials in the production of high added-value wood products

Valorisation of upcycling principles for by-products of recovered wood from the timber industry

CFLA Contract No.

1.2.1.2.i.2/1/24/A/CFLA/001 (ZP18)

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Follow the development of the ZP18 project and the latest research in the field of recovered wood.



Collaborate

Interested in collaboration? Contact the Forest and Wood Products Research and Development Institute LLC.

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