



Reclaimed Wood in the European Research Space

How does Latvia's project **ZP18** position itself among more than twenty European research and innovation projects in the field of circular economy?

A comparative analysis reveals a unique niche and international significance.

Exploring the possibilities of replacing primary wood raw materials in the production of high added value wood products (Project ZP18)



AI-generated visualization.

The people and space depicted are fictional.



Why is reclaimed timber a priority?

The transition to a circular economy in construction is one of the priority directions of the EU **Green Deal**. Wood as a renewable, carbon-storing material plays an increasingly important role in sustainable construction. However, the effective reuse of reclaimed structural timber remains a significant challenge – one that the ZP18 project is dedicated to addressing.

Analysis Methodology

ZP18 was compared with more than **20 European projects** (Horizon Europe, LIFE, ERDF, Eurostars, EUREKA). A five-level scale was used for evaluation based on thematic similarity to the main directions of ZP18:

NDT Methods

Non-destructive testing

MFA & LCA

Material flow and life cycle analysis

Digital Solutions

Data processing and mapping

Resource Mapping

Quality classification

Highest Similarity Projects

5/5 SIMILARITY LEVEL



Ti-ReX

A unified European methodology for assessing the quality of reclaimed structural timber – NDT, automated data processing, LCA and MFA.



W2W

An integrated system for sorting construction timber, digital product passports, and cascading valorisation.



TimberLoop & Timber Circularity

Structurally preserving reuse solutions and innovative structural products from recovered timber.



EcoDLT and High Similarity with ZP18

EcoDLT complements the highest similarity group by developing innovative structural products from reclaimed timber. High similarity is also demonstrated by **DRASTIC**, **CircWOOD**, **SuReUP**, **WoodStock**, **MUPSIS 2024** and **CIRCULess** – their activities cover material diagnostics, resource mapping, deconstruction of building structures, high-value recycling, and the use of digital technologies.

Medium Similarity Projects

REUSE

Focus on design for reuse – thematic similarity with ZP18 is assessed as medium.

Woodcircles

Circular systems for building materials – broader scope, less focused on recovered wood classification.

LIFE Waste To Resources IP

Certain activities are related to wood waste, but the main focus is broader than ZP18's specialisation.



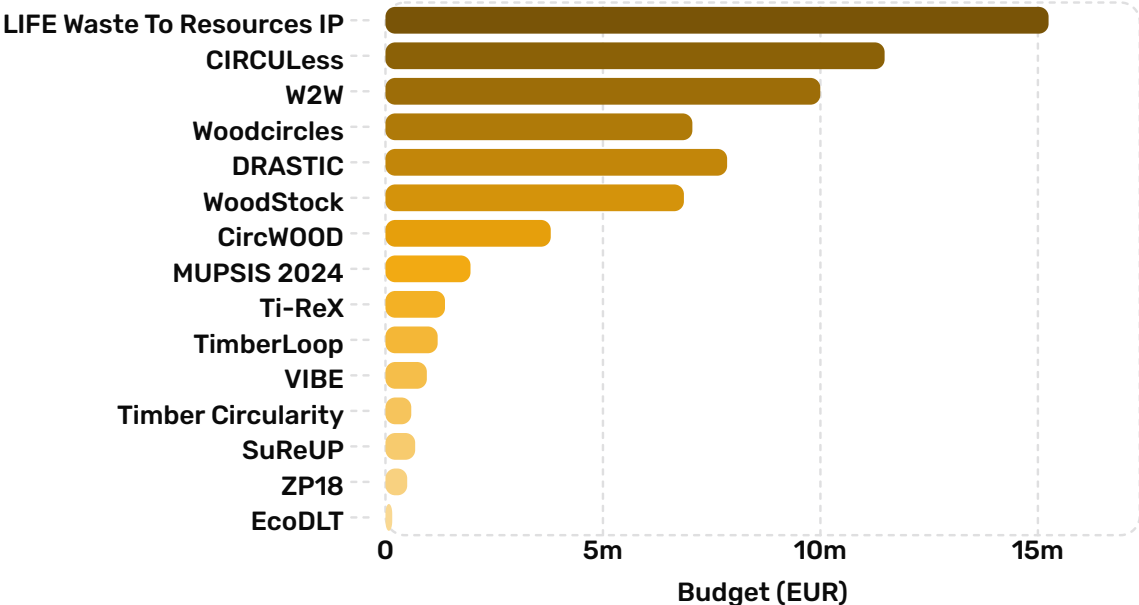
SINERGIA – a special role in Latvia

SINERGIA is not focused on recovered wood classification, but creates an **industrial symbiosis platform** in Latvia — helping companies, municipalities, and scientific institutions identify collaboration opportunities, map material flows, and build new value chains where one company's residues become another's resource. This also creates preconditions for higher-value use of recovered wood in the future.

Total Project Budgets (EUR)

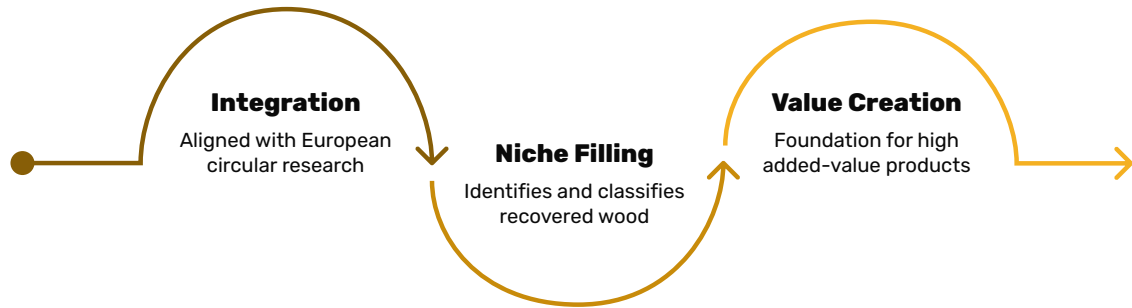
The budget comparison shows ZP18 as a compact, focused national-scale project within a broad European funding landscape – from small innovation projects to multi-year programmatic initiatives.

Project

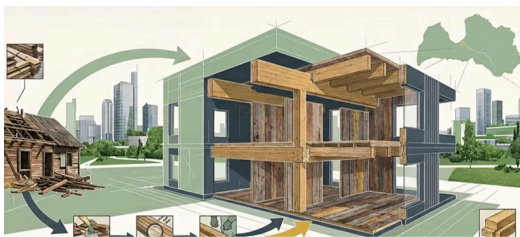


Despite a smaller budget, ZP18's thematic specialization allows it to focus on an **underdeveloped area in Latvia** – the identification, classification, and resource mapping of recovered wood.

ZP18 Unique Niche in the European Landscape



The analysis confirms that ZP18 organically fits within European research directions – circular economy, decarbonization of construction, more efficient use of wood resources – while simultaneously filling a unique niche in the Latvian context.



High-value processing approaches for recovered wood

MeKA • ZP18 • 2026-2027

Exploring the potential to replace 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 wood industry

CFLA contract No.

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

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Conclusions and Future Outlook

ZP18 results will lay the foundation for the development of **new high value-added products**, more sustainable construction, and bioeconomy growth in Latvia, while complementing the accumulated knowledge of international projects.



Share

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Tag

Tag someone who needs to know about ZP18 and the potential of recovered wood!