



BASAJAUN

Sustainable Wood Construction fostering Rural Development and Urban Transformation

Progress and first results

ECOTIMBERCELL° 27 October 2021

Javier García Jaca, TECNALIA

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 862942



basajaun-horizon.eu

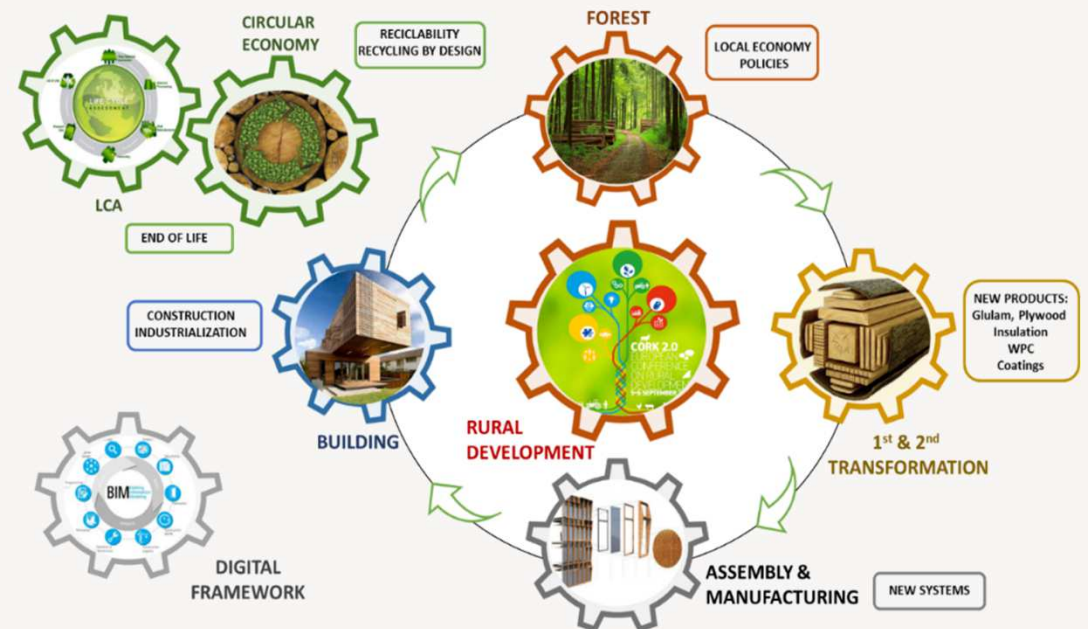
Sustainable Wood Construction fostering Rural Development and Urban Transformation

Horizon 2020 IA
grant no. 862942
 Call LC-RUR-11Part B

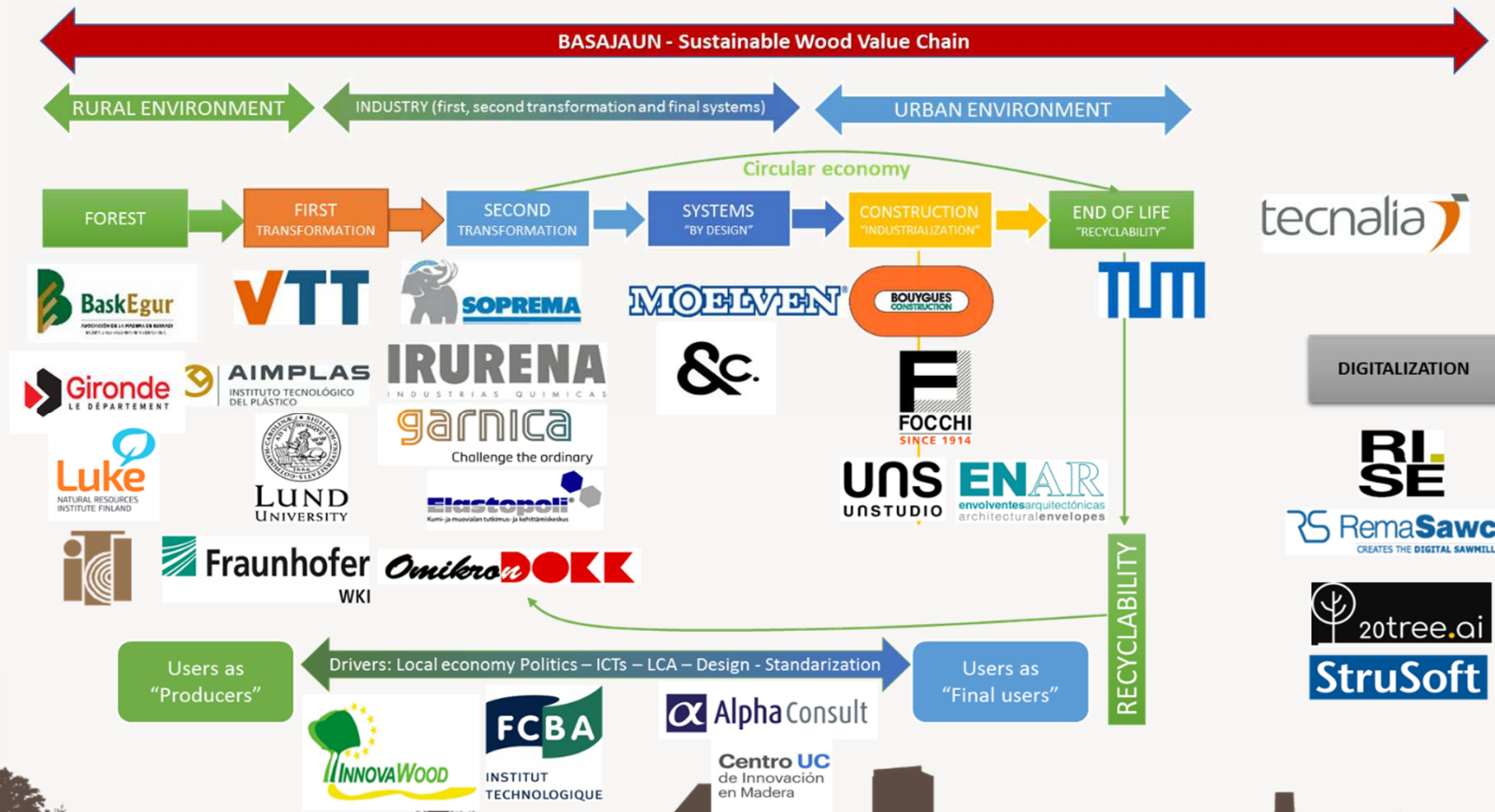
Oct 2019 – Sep 2023
 Total budget 12.2 M€
 Total EC grant 10M€

Consortium
 30 partners in
 12 countries

Coordinator
 Tecnalia Research and Innovation
Javier.GarciaJaca@tecnalia.com

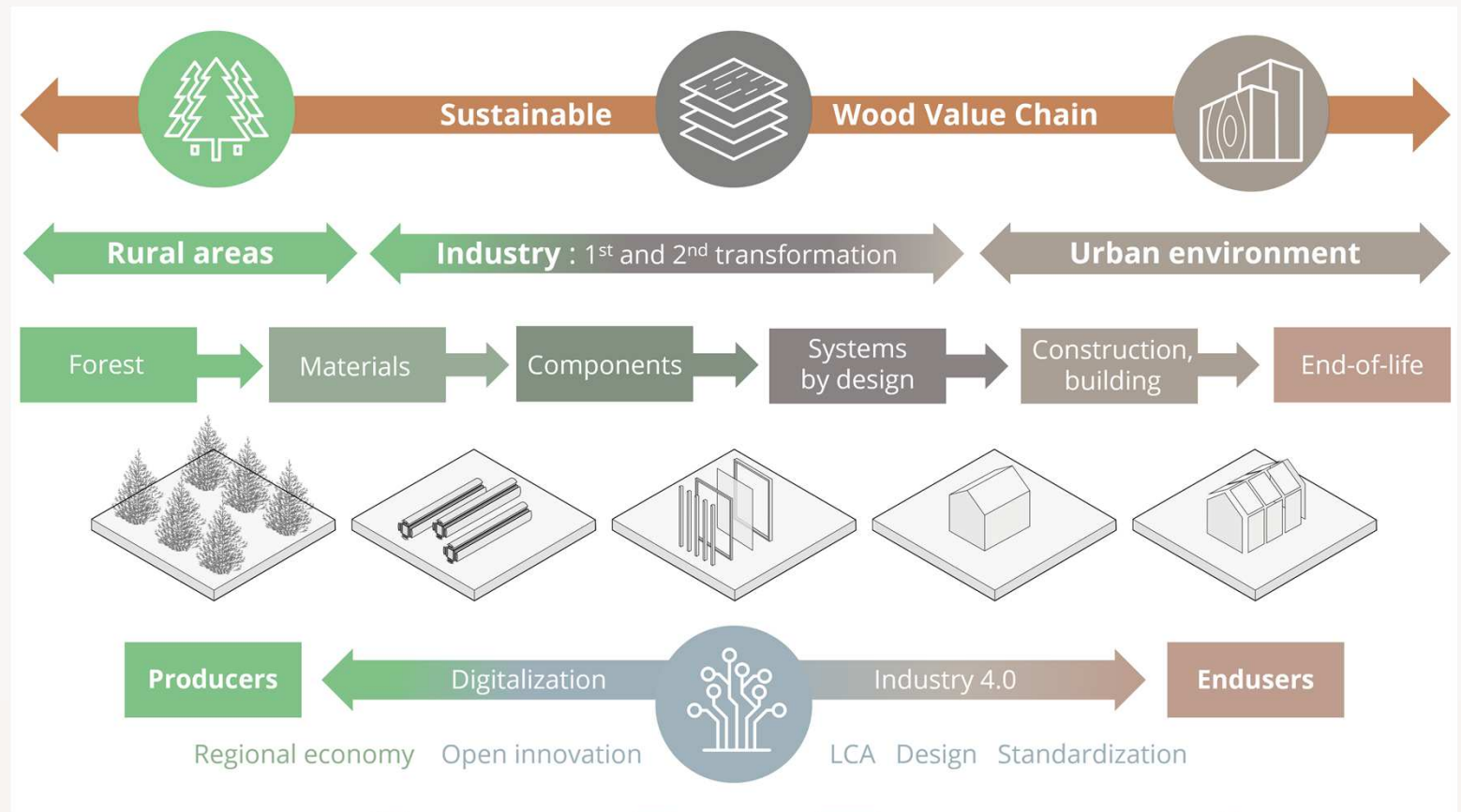


Consortium



Wood construction supply chain

BASAJAUN



Work programme / innovations

WP1 Sustainable wood construction value chain

FCBA, LUKE, ITD et al.

- Evaluating the European forest potential for wood construction
- Guidelines to foster building with wood
- Defining the future value chain
- Impact of wood construction on rural and urban areas/development



WP2 Recyclability, environmental issues

VTT, TUM, FCBA, Tecnia et al.

- Recommendations of zero-waste in wood-based products
- Technologies for wood recycling and recovery
- Environmental impact assessment methods and approaches
- End of Life - recyclability and reusability of BASAJAUN products



WP3 Forest 2 building digital framework

RISE, RemaSawco, Strusoft et al.

- Framework to follow material data through value chain
- Digital twins for autonomous subsystems
- Design of a 'backbone' architecture to connect the value chain




BASAJAUN



Work programme / innovations


BASAJAUN



WP4 Innovative materials

- Compounds and hot-pressing of fire retarded WPC ◦ WKI, Tecnalia
- Foam-formed thermal insulation materials ◦ Soprema, VTT
- Structural insulation panels (SIP) ◦ Garnica
- Foamed wood-plastic-composites ◦ Elastopoli, VTT
- Coatings with improved capabilities ◦ Irurena, Tecnalia



WP5 Building systems and products

- Products design, structural components, connectors ◦ Moelven
- Facades, curtain wall system with biocomposites ◦ Focchi
- Roofs, internal partitions ◦ Garnica
- Industrial construction system ◦ Bouyges
- Industrial building concept in wood ◦ UNStudio
- Bio-composite profiles ◦ Omikron-Dokk
- Enhanced engineered wood products ◦ ENAR



WP6 Demo buildings

- Demo design and assessment ◦ UNStudio
- Northern demo, Finland ◦ VTT
- Southern demo, France ◦ Department Gironde, Bouyges, FCBA




BASAJAUN

2 Demo buildings: France & Finland



uns
UNITED
NETWORK
STUDIO



BASAJAUN



Uwe Kies

Communication Leader

uwe.kies@innovawood.eu



Javier García Jaca

Lead Coordinator

javier.garciajaca@tecnalia.com

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 862942



[company/basajaun](https://www.linkedin.com/company/basajaun)



basajaun-horizon.eu



[#basajaunhorizon](https://twitter.com/basajaunhorizon)