RENEWABLE MATERIALS AND HEALTHY ENVIRONMENTS
RESEARCH AND INNOVATION CENTRE OF EXCELLENCE
(InnoRenew CoE)

Funding: H2020 Widespread 2014–1 Teaming

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15. Spreading Excellence and Widening Participation

- significant internal disparities in R&I performance
- pathway to economic growth and competitiveness \(\rightarrow\) R&I
- efficiency of the national research and innovation systems
- stronger participation in H2020 + commitment low-performing Member States (regions)

Teaming

instituion(s) + institution(s) \(\rightarrow\) new or significant upgrade CoE

- European Commission \(+\) host country (region) government
- improvement of their research and innovation systems and policies
- alignment with host country (region) RIS3
Coordinator: University of Primorska, Slovenia

Advanced partner: Fraunhofer Institute for Wood Research Wilhelm-Klauditz-Institut (WKI), Germany

Other partners:
- University of Maribor
- Institute for the Protection of Cultural Heritage of Slovenia
- Slovenian National Building and Civil Engineering Institute
- Pulp and Paper Institute
- EuroCloud Slovenia
- National Institute of Public Health
- Regional Development Agency of Ljubljana Urban Region
Main Objective

smart, sustainable and modern built environments for all generations

Slovenia’s transformation into a society focused on:

• sustainability
• cyclical economy
• human well-being
• use of its renewable resources and assets
The InnoRenew CoE

will advance **scientific excellence in Slovenia** in wide range of fields related to renewable materials

wood materials, **construction**, biology, polymers, social sciences, cultural heritage, computing, mathematics, psychology, kinesiology, modelling, simulation, design, logistics, deployment, risk-assessment, decision making and management
Basic Objectives

- Focus on improving the *quality and relevance* of scientific work related to RM
- Work closely with *businesses and the public*
- Develop *new products, technologies and services*
- Improve *industrial adoption of innovation*
- Improve the *acceptance and utilization* of fundamental and applied science in industry
- Provide *research, training* and other support for professionals and the public
- Expand professional *expertise and public knowledge* about renewable materials
- To enhance *international cooperation and mobility*
Research and innovation:

- **industrial processes**
  (e.g., resource and environment friendly virgin and recycled wood and fibre processing, building systems, biorefinery).

- **business systems and support**
  (customer solutions, innovation and IPR management, business models for spin-offs and start-ups)

- **education**
  (e.g., basic knowledge transfer to education system (including vocational schools and industry members), active involvement of students and professionals in the research process).
Implementation – 5 living labs

- Business Innovation
- Wooden Building
- Developing REED
- Cascading Wood Use
- ITC & Healthy Living Environments
Expected impact

Scientific - Fundamental research will target increased resource efficiency, extended product life, and their influence on human health and well-being, while the applied part will contribute to improvements in product performance and functionality and will minimise the overall negative environmental and human health impacts.
Expected impact

**Economy** - The InnoRenew CoE will lead the innovative transformation of the renewable resource (especially forest products) industry to a **competitive knowledge-based industry** that fosters the extended and improved use of local natural resources, development of innovative products, including new and currently underused products.
Expected impact

**Societal** – Creating **innovation encouraging** and engaging environment (research and innovation culture) that will result in **value-added products**, processes and systems, which enable sustainable building with the next generation of improved and renewable building materials and increased resource efficiency.
How?

Partnership with Fraunhofer WKI, an institution of research and innovation excellence
With networks of excellent scientists

Facilitating collaboration with industry, research organizations, scientific institutes, stakeholder groups and the public
WP2 - Market analysis

Focus groups and living laboratory

Survey

Value chain management and marketing assessment

Opportunities

Competition, Barriers

Impact analysis

greenenergyfocus.org
Living laboratory **Innovative Renewable Material Uses Living Laboratory (LL InnoRenew)**

A public-private-people relationship with stakeholders:

- **R&D institutions**
- **Associations**
- **SMEs & Large companies**
- **Municipalities**
- **Government bodies**
- **Citizens**
LL InnoRenew Living Lab

The objective of the LL InnoRenew is to create an environment to discuss the project, develop creative and innovative new ideas, provide critical feedback, and ensure stakeholder involvement in the development of the Business Plan of the new CoE.

Activities:

• Workshops
• Personal meetings
• On-line forum on InnoRenew CoE webpage
• Social media
• Other, i.e. round table discussions, conferences, fairs, etc.
How to get involved LL InnoRenew

The social media networks are used as international arena, where specific questions arising from focus groups, surveys, and workshops, as well as LL InnoRenew in general, are being discussed.

InnoRenew engages professionals:
- LinkedIn
- Facebook (https://www.facebook.com/pages/InnoRenew-CoE/454740938032850); and
- Twitter, @InnoRenewCoE

Join us, follow us, and like us on social media and help us with establishment of the InnoRenew CoE
HVALA!