



What is InnoRenew?



The InnoRenew CoE:

- Independent, not-for-profit
- Research institute
- Ongoing
- Founded Feb. 2017 by

The **InnoRenew Project**:

- H2020 Teaming Project
- 5-year duration
- EU & National funding
- 9 Slovenian partners
- 1 German partner
- April 2017 April 2023
- Coordinated by University of Primorska





H2020 Funding

- Widespread-Teaming (15 million, 10 projects, 2 stage)
 - Support "low-performing" states
 - Decrease RDI, economic, H2020 participation disparities
 - Team with advanced partner (Fraunhofer WKI)
 - 2-stage process planning vs. implementation

National funding (30 million, 1 project)

- Alignment with Slovenia's smart specialisation strategy
- Only for infrastructure (new building, equipment)





University of Primorska (coordinator),

Fraunhofer WKI (advanced partner),

ZVKDS, ZAG, UM, ICP, NIJZ, RRALUR, Zavod e-Oblak,

& the InnoRenew CoE



The InnoRenew CoE



New research institute founded by:







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ZAVOD ZA SLOVE
GRADBENIŠTVO NATIO
SLOVENIJE AND CO

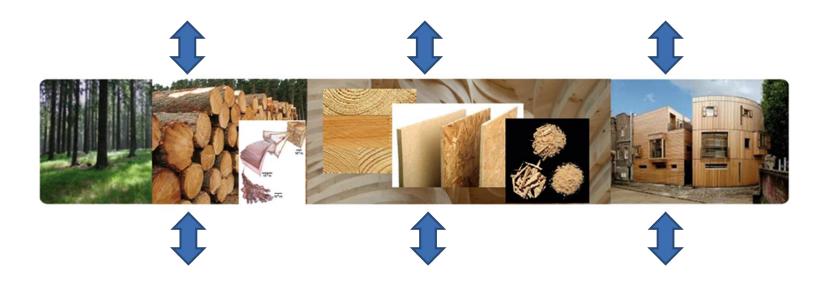
SLOVENIAN NATIONAL BUILDING AND CIVIL ENGINEERING INSTITUTE Zavod za varstvo kulturne dediščine Slovenije Institute for the Protection of Cultural Heritage of Slovenia





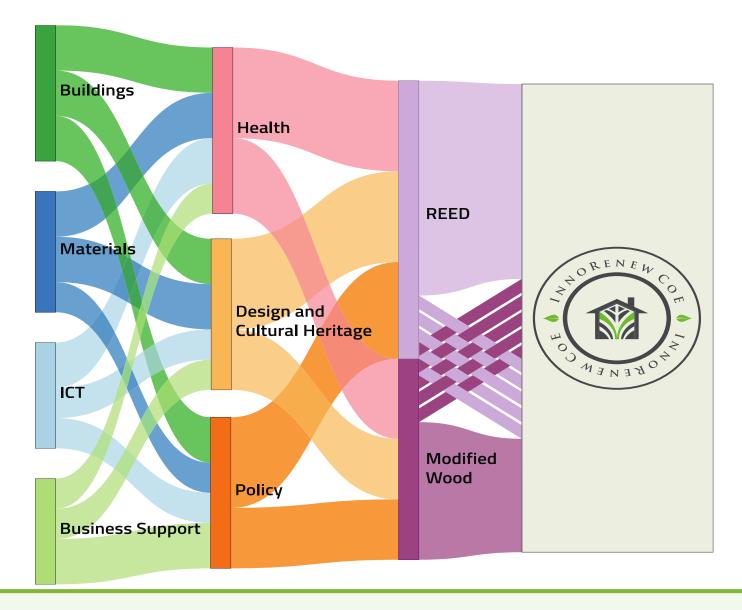
Our purpose

 The InnoRenew CoE will bridge the gap between the industrial sector and RDI to strengthen competitiveness and restore performance in the sector.



Research areas









Two main research themes

- Wood modification
- Restorative environmental & ergonomic design (REED)

Research groups

- Wood modification
- Human health
- ICT
- Sustainable Building
- RM Composites

Wood modification



Environmental impacts of modification processes need to be balanced against benefits such as: service life extension, functionalisation, reduced maintenance, suitability for upcycling, reuse, material cascading, and final disposal with recovery of the intrinsic solar energy stored in the material



REED



REED is a sustainable building paradigm that **creates positive impacts** for building users, the environment, and society.

Focus on restorative processes.







Fire effluents

Ergonomic furniture

Open innovation

Phase change materials

NCC Foams

CLT Connectors

Formaldehyde free MDF

Extended BIMS

Storage materials

Other research and facilities



- Wood science, broadly
- Business support
- Cultural heritage
- Design (building, community)
- Policy
- Other interesting topics!

New buildings in progress...

7 labs. 45+ researchers



Research excellence



- Quality
- Relevance (industry, EU, national)
- Close relationship with industry
- Close relationship with public
- Integrated digital
- Train industry in business and innovation management

Open

Innovation
Science
To the world







Global Experts

Dr. Eric Hansen, USA

Dr. Holger Militz, Germany

Dr. Callum Hill, UK

Dr. Diego De Leo, IT/AUS

+ 1 more (ICT)

Council of Experts

Dr. Petr Hajek, Czech Republic

Mr. Duncan Mayes, Finland

Dr. Mariapaola Riggio, USA

Dr. Peter Niemz, Switzerland

Dr. Ritva Toivonen, Finland



International & interdisciplinary team

Poland, USA, Belgium, Germany, Greece, UK, and Slovenia

Wood science, civil engineering, chemistry, mathematics, microbiology, economics, etc.

Our team so far...

































We are hiring! innorenew.eu/jobs | coe@innorenew.eu





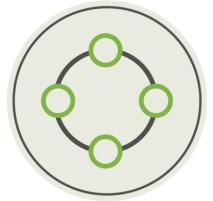
Structured engagement with other researchers, industry, policy makers, and the public



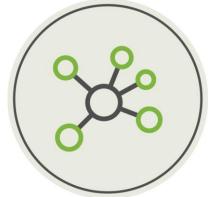
Idea generation & validation



Training & workshops



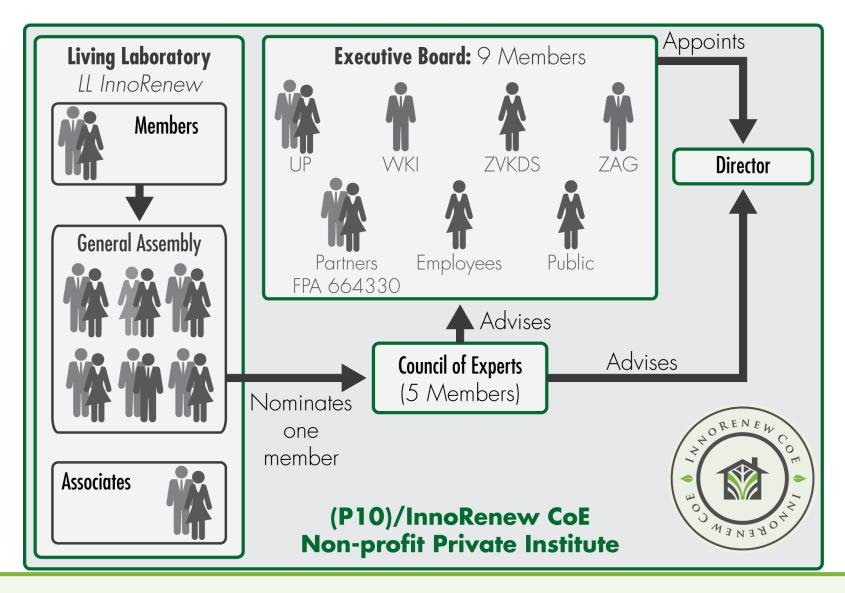
Collaboration & new value chains



International networking

Living Lab InnoRenew









70 members from 22 countries | http://innorenew.eu/living-lab/

Living Lab Members

By country

Austria

Belgium

Bosnia and Herzegovina

China

Croatia



Dissemination



- Communication with partners, stakeholders, public
- Promotion of science and business success







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InnoRenew CoE Renewable
Materials and Healthy
Environments Research and
Innovation Centre of
Excellence

Open Innovation. Open Science. Open to the World.