How can the wood sector co-create with other disciplines in the New European Bauhaus?

Uwe Kies

wood4bauhaus.eu

The projects have received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreements nº 862942 and 820892.
Forest-to-building value chain
Transforming the built environment into a second forest carbon sink

- Forest management
- CO₂, O₂
- Long-life wood products
- Circular Economy
- Built environment
- Digitalisation

wood4bauhaus
Building with wood
Key topics for R&D, Innovation, Education

- Long-life wood products
- Prefabrication, industrial upscaling
- Renovation, retrofitting, urban densification
- Low/zero-energy building
- Affordable solutions
- Wood for all kinds of interior uses

BASAJAUN
Sustainable wood construction chains connecting rural and urban areas
- Regional economic impact of forest resources
- Industry-led innovations: materials, products and building systems
- 2 full-scale demo buildings
- Forest2Building Digital Framework
- Open innovation platform

Horizon 2020 no. 862942
RIA, 29 partners, 4 years
basajaun-horizon.eu

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Circular Economy
Key topics for R&D, Innovation, Education

• Repair > Reuse > Recycle!
• Circular Design / Disassembly
• Waste wood, Urban mines, recycling networks
• Valorise side streams and by-products, cascades
• Regulation barriers / ‘red tape’

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Digitalisation
Key topics for R&D, Innovation, Education

- Digital twins, Digital Design, BIM
- Smart factory / systems, automation
- Value chain networks, platforms, new business models
- Resource use optimization
- Life Cycle Assessment
- Traceability, verification, monitoring
Education, Skills Development
Key topics for R&D, Innovation, Education

- Transdisciplinary study programmes in higher education
- Upskilling / Qualification / Training for future workforce, new job profiles
- Innovation/transformation managers
- Digital literacy / fitness, soft skills
- Mobility, international exchange

Centre of Vocational Excellence
KA3, 22 partners, 4 years

European Dual Training platform for the wood and furniture sector
- Partnership of VET centres, RTOs ans sector organizations
- New curricula industry 4.0, Circular Economy, Ambient Assistant Living, CSR
- AI/ML framework
- Mobility actions
- Sector blueprint

allview.eu
Joint Platform for Cocreation & Communication

Building with wood

Architecture

Urban planning

Design

Cities and regions

Creative industries

Cultural heritage

Social actors

Circular Economy

Long-life wood products

Digitalisation

Forest management

Wood Sector Alliance for the New European Bauhaus

A New European Bauhaus
Joint Platform for Cocreation & Communication

Idea for collaboration

- Knowledge platforms
- Joint transdisciplinary research
- Circular Economy demo projects
- EU network of Open Testbeds

Digital Innovation Hubs, Exploitation platforms
Public campaigns, innovation contests, hackathons, prizes
Heritage research / Citizen science
Skills actions, mobility
Let’s cooperate for the New European Bauhaus!

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Wood Sector Alliance for the New European Bauhaus

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"Reforest our Planet, Retimber our City!"

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A New European Bauhaus

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