

## “Eco Construction – building with wood, recycling and reuse”

Date: 13<sup>th</sup> March 2019 09:00 – 18:00  
14<sup>th</sup> March 2019 09:30 – 13:00

Venue: Business Upper Austria - OÖ Wirtschaftsagentur GmbH  
Building Block B, 5th floor (media room)  
Hafenstraße 47-51  
4020 Linz, Austria

Business Upper Austria Cleantech Cluster invites you to the pilot action Eco Construction, in the name of the partners of DanuBioValNet project. The workshop will bring together interested companies, cluster members from project partner countries, cluster managers, business support organisation and experts. The objective is to facilitate cross-border and cross-regional cooperation of clusters and SMEs for creation of a bio-based value chain. The workshop will help to create interesting project ideas/initiatives and a macro regional network.

The first day will give you an overview of best practice examples from Austria for Eco Construction with interesting key note speakers, followed by a workshop for wood construction in urban areas as well as recycling oriented dismantling with a special focus on reuse. The day will finish with a guided tour with focus on architecture at the Paneum Asten near Linz (bus transfer provided).

On the second day you will have the opportunity to attend the Messe Wels HANDWERK 2019 trade fair for craftsmanship and site visits of two more buildings on the way to Wels (bus transfer provided).

By the end of the event you will have:

- Presented your company and exchanged expertise
- Established contacts with leading actors of the Eco Construction Sector
- Identified new business opportunities and found partners for your future project
- Become part of new bio-based innovative ideas

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Project co-funded by European Union funds (ERDF, IPA)

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### AGENDA

13<sup>th</sup> of March 2019

Time	Topic	Speaker
<b>09:00 – 09:15</b>	<b>Registration and arrival</b>	
09:15 – 09:25	Welcome and Introduction	Biz Up / Danubiovalnet Team
09:25 – 09:45	Presentation of participants	Company pitches
09:45 – 10:15	Architects & Technician collaboration – Showcase region Vorarlberg <sup>1</sup>	Harald Gmeiner Head of Ecological Building Division, Energieinstitut Vorarlberg
10:15 – 10:45	Business & Academia collaboration – Computer-aided planning and production with systematized construction methods <sup>2</sup>	DI Astrid Metzler, University of Innsbruck - Institute of Design and Materials Science, Department of Timber Construction
<b>10:45 – 11:00</b>	<b>Coffee break</b>	

<sup>1</sup> The Vorarlberg region is well known in Austria for eco construction and buildings made of wood. Energieinstitut Vorarlberg is a non-profit association. Main activities are consulting, education and research in the field of energy and resource efficient construction in the region of Vorarlberg.

<sup>2</sup> Computer-aided planning and production with the associated digital networking represent a key technology for timber construction. With this knowledge and digital networking in construction, companies should be prepared for the timber construction of the future, in particular for dense, multi-storey and sustainable construction methods.

11:00 – 12:30	<b>Workshop on wood construction in urban areas – Challenges and opportunities: technical aspects, framework conditions and successful collaboration</b>	
11:00 – 11:15	Timber construction in the City of Graz – Reininghaus area <sup>3</sup>	Architect Mag. Boiger, Hohensinn Architektur
11:15 – 12:30	World Café (3 tables)	Companies
<b>12:30 – 13:30</b>	<b>Networking lunch</b>	
13:30 – 15:30	<b>Workshop on Recycling oriented dismantling with a special focus on reuse - Experience Exchange Round</b>	
13:30 – 14:00	Experiences in Vienna along the project BauKarussell <sup>4</sup>	DI Markus Meissner, pulswerk Gmbh
<b>15:30 – 18:00</b>	<b>Site visit</b>	
	Paneum Asten (near Linz) <sup>5</sup>  Edges and flowing lines, wood and stainless steel, tradition and innovation, light and dark: the architecture of the PANEUM lives from the combination of opposites, draws its dynamism and fascination from contrasts.	Guided tour with focus on Architecture
	<b>Social dinner (optional - at one's own expense)</b>	

<sup>3</sup> Hohensinn Architecture has planned 6-storey wooden houses with high-quality apartments. The major project with an investment sum of almost 35 million euros represents another milestone in multi-storey timber construction in Styria. In the southern part of the Reininghaus development area in Graz, in addition to the already completed timber buildings, a further and largest pure timber quarter was realised by ENW, a member of the non-profit residential building group "Ennstal".

<sup>4</sup> BauKarussell is developing into the first Austrian provider of recycling-oriented deconstruction with a special focus on re-use for large-volume objects. In cooperation with major Viennese property developers, re-usable parts and components are removed and made available for re-use in new buildings or conversions. At the same time, recyclable building materials are separated manually and recycled.

<sup>5</sup> Website: <https://www.paneum.at/en/architecture/>

14<sup>th</sup> of March 2019

09:30 – 13:00	<b>Meeting at Biz Up and Transfer to Messe Wels HANDWERK 2019 trade fair for craftsmanship and site visits of two buildings</b>
	<p>The treatment and processing of wood is the focus of the trade fair. HANDWERK 2019 underlines the topic "Future wood" with a mix of exhibition and innovation forum and thus also represents an important platform for the specialist trade and industry.</p> <p>On the way to Wels we will visit the high-bay warehouse of the logistics company Schachinger. The hall is built in a wooden skeleton construction, with exterior walls in a wooden frame construction and a white fir facade. The building achieves the passive house standard. A constant temperature of 14 to 18 degrees must be guaranteed for the food stored here; the energy supply for heating and cooling is generated via the photovoltaic system installed on the roof and via heat pumps and free cooling.</p> <p>In Wels we will have the opportunity to visit multi storey wooden buildings. On the site of the former Dragoner barracks, 63 high-quality yet affordable apartments are realized. The six-storey and three-storey wooden building components have a net floor area of around 4,600 square meters.</p>

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