

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

<b>Date:</b>	13. and 14. March 2019
<b>Venue:</b>	Business Upper Austria - OÖ Wirtschaftsagentur GmbH Building Block B, 5th floor (media room) Hafenstraße 47-51 4020 Linz, Austria

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

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