


COMET Centre (K1)

WOOD			
Kompetenzzentrum Holz GmbH			
Main location	Linz (OÖ)		
Other locations	Lenzing (OÖ), St.Veit / Glan (K), Tulln (NÖ)		
Research programme	Bio-based materials and circular bio-economy: new materials and knowledge based (digital) production processes based on the principle of cascadic utilization of wood and related lignocellulosic raw materials		
Planned realisation and outcomes			
<p>The future scientific and technological challenges in the field of operation of the Centre lie (1) in a more comprehensive and holistic, cascadic use of biomass, (2) in increasing the functionality and performance level of materials from renewables, and (3) in new processing and (circular) production technologies.</p> <p>Within the research program proposed for “WOOD: next generation materials and processes – from fundamentals to implementation FP2“ these challenges will be addressed focussing on the topics (1) bio-based fibre-reinforced composites, (2) lignocellulose biorefinery, (3) new bio-based materials, (4) understanding and controlling processes, (5) surfaces and interfaces, as well as (6) integrated innovation research.</p>			
History of establishment	The centre was founded in 2001 within the framework of the K plus programme (2001 – 2007). From 2008 - 2014 and 2015 - 2022 research work has been succeeded as a COMET K1-Centre. The Non K area with national & international research projects has been established to an annual volume of ~ € 4.5 Mio.		
Selected company partners (max. 10)		Selected scientific partners (max. 5)	
<ol style="list-style-type: none"> 1. Borealis Polyolefine GmbH 2. Brantner Walter GmbH 3. Doka Industrie GmbH 4. Engel Austria GmbH 5. Fritz Egger GmbH & Co 6. FunderMax GmbH 7. Lenzing AG 8. Mondi Frantschach GmbH 9. STAEDTLER Mars GmbH & Co. KG 10. TEAM7 Natürlich Wohnen GmbH 		<ol style="list-style-type: none"> 1. Universität für Bodenkultur, Wien 2. Johannes Kepler Universität Linz 3. TU Wien 4. TU Graz 5. EMPA (ETH Zürich) 	
		Selected international partners ¹ (max. 5)	
		<ol style="list-style-type: none"> 1. Budapest University of Technology and Economics (H) 2. ENTSTIB – University of Lorraine (F) 3. Dynea AS (N) 4. Papierfabrik August Köhler (D) 	
Duration of the Centre	COMET K1 3 rd Call: Jan 2015 – Dec. 2022 (8 years, 1 st & 2 nd funding period))		
Staff employed at the Centre	110 FTE (thereof 85 scientists)		
Total costs	1 st Funding period: EUR 22.7 Mio (4 years) 2 nd Funding period: EUR 22.7 Mio (4 years)		
Management of the Centre	DI Boris Hultsch, CEO, Kompetenzzentrum Holz GmbH		
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¹ Partners with headquarters outside Austria