

## COMET CENTRE (K1)

### NAME OF ORGANISATION

RESEARCH PROGRAMME: [SHORT TITLE – LONG TITLE]

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**Main location:** Linz (Upper Austria)

**Other locations:** Lenzing (Upper Austria), St.Veit/Glan (Carinthia)  
Tulln (Lower Austria)

**Thematic area:** Materials & production



### Thematic focuses

- new materials and knowledge based (digital) production processes based on the principle of cascadic utilization of wood and related lignocellulosic raw materials
- bio-based materials
- circular bio-economy

### Planned realisation and outcomes

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.

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:

- bio-based fibre-reinforced composites
- lignocellulose biorefinery
- new bio-based materials
- understanding and controlling processes
- surfaces and interfaces, as well as
- integrated innovation research

### 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.

## COMET FACTSHEET

### Selected company partners (max. 10):

1. Borealis Polyolefine GmbH
2. Engel Austria GmbH
3. Fritz Egger GmbH & Co
4. FunderMax GmbH
5. Impress Decor Austria GmbH
6. Lenzing AG
7. Mondi Frantschach GmbH
8. STAEDTLER Mars GmbH & Co. KG
9. TEAM7 Natürlich Wohnen GmbH
10. Weitzer Parkett GmbH & Co. KG

### Selected scientific partners (max. 5):

1. University of Natural Resources and Life Sciences, Vienna
2. Johannes Kepler University Linz
3. Vienna University of Technology
4. Graz University of Technology

### Selected international<sup>1</sup> partners (max. 5):

1. Budapest University of Technology and Economics (Hungary)
2. EMPA - ETH Zürich (Switzerland)
3. ENTSTIB – University of Lorraine (France)
4. Dynea AS (Netherlands)
5. Heraeus Deutschland GmbH & Co. KG (Germany)

<b>Duration:</b>	01.01.2015 - 31.12.2022 (8 years)
<b>Staff employed at the Centre:</b>	110 FTE, thereof 85 scientists
<b>Management:</b>	DI Boris Hultsch, Managing Director/CEO Prof. Dr. Wolfgang Gindl-Altmutter, Scientific Director
<b>Contact:</b>	Kompetenzzentrum Holz GmbH Altenbergerstraße 69, 4040 Linz +43 732 2468-6751 <a href="mailto:zentrale@wood-kplus.at">zentrale@wood-kplus.at</a> <a href="http://www.wood-kplus.at">www.wood-kplus.at</a>

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<sup>1</sup> Partners with headquarters outside Austria