Competence Centers for Excellent Technologies

Bundesministerium für Wirtschaft, Familie und Jugend

COMET: K1

BIOENERGY 2020+

Main location	Graz (Styria)
Other locations	Güssing (Burgenland), Wieselburg (Lower Austria)
Research programme	Thermal conversion of biomass, fermentation , bio-fuels, biomass-CHP, polygeneration systems

Planned realisation and outcomes

New biomass-fuels, next generation combustion systems (zero emission, top efficiency), combined heat & power systems for small and micro applications, alternative power production systems (e.g. fuel cells), bio-fuels second generation (synthetic fuels), biomass-based polygeneration systems (heat, power and fuels), mathematical models for conversion systems (simulation)

History of establishment	Merger of ABC (Kplus) and RENET Austria (Knet)

Selected company partners (max. 10)

1. OMV AG
2. Magna-International Europe AG
3. JOSEF BERTSCH Gesellschaft mbH & Co
4. MAWERA Holzfeuerungsanlagen GmbH
5. KWB – Kraft und Wärme aus Biomasse GmbH
6. BIOS BIOENERGIESYSTEME GmbH
7. GE Jenbacher GmbH & Co OHG
8. Wienenergie Gasnetz GmbH
9. EVN AG – Energieversorgung Niederösterreich
10. TIWAG-Tiroler Wasserkraft AG

Selected scientific partners (max. 5)

1. Institute of Chemical Engineering, research group "Future Energy Technology", Vienna University of Technology
2. Institute for Resource Efficient and Sustainable Systems, research group "Thermal Biomass Utilisation", Graz University of Technology (RNS)
3. HBLFA Francisco Josephinum – Biomass Logistics Technology (FJ-BLT)
4. Institute for Environmental Biotechnology (IFA Tulln)
5. Joanneum Research Forschungsges.mbH

Selected international partners [1](max. 5)

1. Technical Research Centre of Finland (VTT)
2. Department of Chemical Engineering, Brigham Young University, Utah
3. FLUENT Deutschland GmbH
4. Fraunhofer Gesellschaft zur Förderung der angewandten Forschung e.V (FHG), Institute of Toxicology and Experimental Medicine, Hannover
5. Luleå University of Technology, Division of Energy Engineering, Sweden

Start Date	01.04.2008
Planned number of personnel	52 FTE
Total costs[2]	EUR 13,625 Mio
Leader of consortium:	Erich Fercher, bioenergy 2020+ GmbH
Contact:	Inffeldgasse 21 b, 8010 Graz Tel.: +43 316 873 9200 office@bioenergy2020.eu www.bioenergy2020.eu

[1] Partners with headquarters outside Austria

[2] Proposed total costs for the first funding period (K1: 4 years, K2: 5 years)