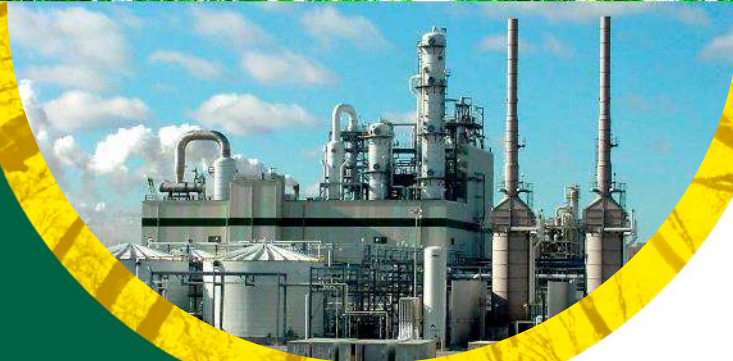


IEA Bioenergy

Task42 Biorefining in a
Future BioEconomy

Biorefining Country Update Austria

Nov. 2019



Michael Mandl, Miriam Lettner, Johannes Lindorfer,



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1. General situation

Austria has currently a interim government

→ New political alignment may emerge from last election outcome.

Green Party may join new government

3. Bioenergy policies and status of implementation

2. Bioenergy policies and status of implementation

- Austrian Federal Ministries have presented so far the following relevant strategies and policies
- Role of the bioeconomy and the respective fields of research¹.
- “National Bioeconomy Strategy”
- Climate and energy strategy

- **To date the measures and actions are being defined**

¹ https://nachhaltigwirtschaften.at/resources/nw_pdf/biooekonomie-fti-strategie-ag2-2018.pdf

² <https://mission2030.info/>

3. Research in bioenergy and biorefining

New Competence Centre for **CHASE - Chemical Systems Engineering** has been announced.

Process Digitalization, Process Intensification, Processes for recycling

Ausgewählte Unternehmenspartner (Auszug: max. 10) <ol style="list-style-type: none"> 1. Agrana 2. Bilfinger 3. Borealis 4. Covestro 5. Engel 6. Erema 7. Greiner 8. Metadynea 9. OMV 10. Sappi 	Ausgewählte wissenschaftliche Partner (Auszug: max. 5) <ol style="list-style-type: none"> 1. Johannes Kepler Universität Linz 2. Technische Universität Wien 3. Universität Bayreuth 4. University of Chemistry and Technology Prague 5. Princeton University <hr/> Ausgewählte internationale Partner ¹ (Auszug: max. 5) <ol style="list-style-type: none"> 1. Maastricht University 2. Humboldt Universität Berlin 3. Covestro 4. Renolit 5. Motan
Laufzeit des COMET-Zentrums	1. April 2019 – 31. März 2027 (8 Jahre)
Beschäftigte am Zentrum	49 VZÄ (davon 35,5 ForscherInnen)
Zentrumsmanagement	Univ.-Prof. DI Dr. Christian Paulik, Johannes Kepler Universität Linz Leiter Institut für Chemische Technologie Organischer Stoffe
Kontakt:	Altenbergerstrasse 69, 4040 Linz, T: +43 732 2468 9001 christian.paulik@jku.at https://www.jku.at/institut-fuer-chemische-technologie-organischer-stoffe/

4. Projects – update

Acronym	Project name	Funding source	Duration	Weblink
Farm4more	Demonstrating agricultural practices to contribute to climate actions <ul style="list-style-type: none"> - Testing alternative feed for monogasts and ruminates - AA concentrates for chicken, - Legume press cake to ruminates - Biochar for animal feed to mitigate climate relevant emissions Ireland- Austria cooperation;	EU LIFE and DCCEA	2019 - 2023	Not yet established
AgRefine	15 PhD Position, ERS in the field of biorefinery; <ul style="list-style-type: none"> - Online sensors and analytics, - fermentation, lactic acid separation, - amino acids polypeptides, - grass utilisation, nutrient recovery, - biogas, 2-3 stage AD Countries involved: Universities IRE, DN, NL, AT, GR and several SME are participating	ITN Training Fund	2019 - 2022	Not yet established

5. Update on commercial biorefineries

Agrana AG (Starch, Sugar, Fruits)

Location	Pischelsdorf, Austria
Type/ Size	Commercial plant 250,000m ³ bioethanol/a
Processing & Products	Processing of agrarian raw material (600,000 t/a wheat/maize) Bioethanol, animal feed, wheat starch and wheat gluten, high-purity CO ₂
webpage	https://www.agrana.com/en/products/bioethanol/



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Agrana has announced to invest 40 M€ on additional BETAIN recovery process from sugar beet pulp.
A Joint venture with US sugar industry Amalgamated

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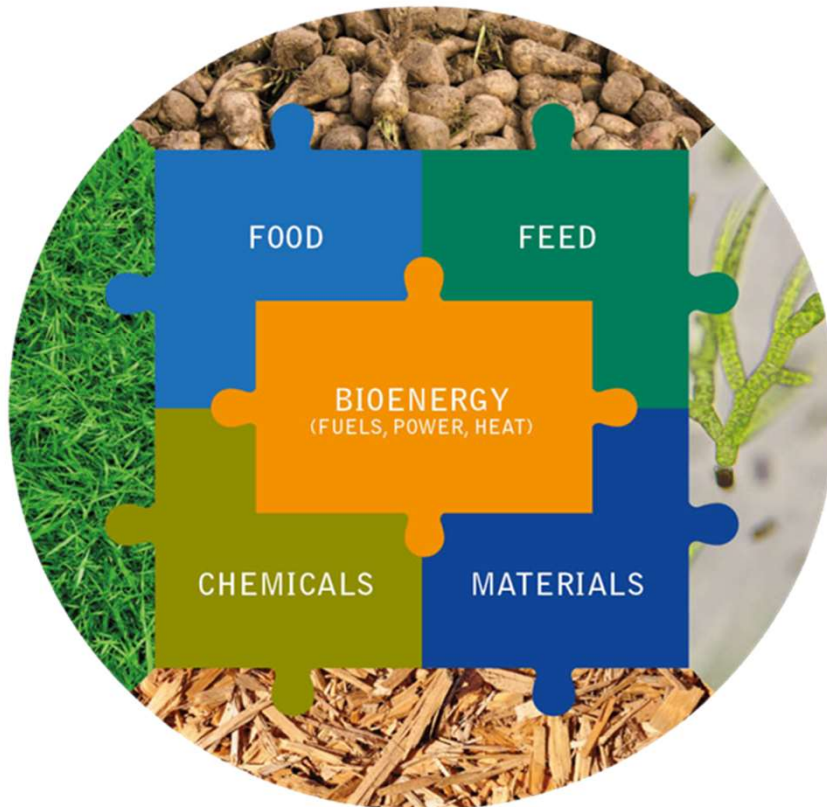
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