

Conference Programme



Central European Biomass Conference

21st to 23rd of January 2026, Graz, Austria
www.cebc.at
#CEBC2026



8th Central European Biomass Conference CEBC2026



An event by:



Exclusive partners of the conference:



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CEBC2026: Closing the gap & keeping on track



The Austrian Biomass Association, the Chamber of Agriculture Styria, and BEST Bioenergy and Sustainable Technologies GmbH are jointly organizing the **8th Central European Biomass Conference (CEBC2026)** from January 21-23, 2026, together with the University of Natural Resources and Life Sciences Vienna (BOKU) and the Montanuniversität Leoben (MUL), in cooperation with Messe Congress Graz (MCG).

The international climate science agrees: the transition from fossil to sustainable energy has to be our primary goal. By mid-century, significant amounts of carbon must be removed from the atmosphere. Bioenergy offers promising solutions to reduce our dependence on energy imports and has established itself as the most important energy source in Europe.

Closing the gap & keeping on track

The CEBC2026 takes the entire value chain – from resource provision to the end consumer – into account. In 2026, special focus will be placed on topics such as negative emissions, energy supply security, sustainable raw material supply, biorefineries, and green carbon. Additional topics include hydrogen, green gas, biochar, biofuels, and the bioeconomy. Traditionally, the conference discusses the developments in heat and power generation. The CEBC provides an extensive overview of the latest political, economic, and technological developments, including raw material availability, logistics, integration, and industrial applications, as well as conversion technologies and market development.

Leading event of the bioenergy sector

The CEBC has repeatedly been honored with the Congress Award Graz and has consistently maintained its internationally recognized reputation. Connecting more than 1,400 participants from over 50 countries, the triennial conference ranks among the largest and most important bioenergy events worldwide.

Running simultaneously with the “Häuslbauer” trade fair, which focuses on energy provision in the building sector and attracts around 40,000 visitors, the conference benefits from an excellent platform for exchange and collaboration.

Scientific highlights of CEBC2026 will include workshops organized by IEA Bioenergy Tasks, as well as an extensive program of excursions and company presentations that bridge theory and practice. In addition, the conference offers a wide range of networking opportunities tailored to various market participants, fostering contacts and collaboration across the sector.

We look forward to welcoming you to the **8th Central European Biomass Conference CEBC2026** and sharing insights into the latest developments in bioenergy.



Franz Titschenbacher

ÖkR Franz Titschenbacher
President of the Austrian
Biomass Association



Totschnig Norbert

Mag. Norbert Totschnig, MSc
Federal Minister of Agriculture
and Forestry, Climate and Environ-
mental Protection, Regions & Water
Management



Dina Bacovsky

DI Dina Bacovsky
Chair of the
Scientific Committee



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Informieren Sie sich hier!

■ Networking-Opportunities

All conference participants and their companions are cordially invited to participate in one of the many matchmaking-sessions of the conference:

■ **Conference Kick-off Reception:** Wednesday, 21st of January, 2026, 18:00

At the end of the first conference day, we will invite you to a traditional Austrian get-together with **goulash & beer**.

■ **Conference Dinner:** Thursday, 22nd of January, 2026, 19:30

The conference dinner takes place in the auditorium of the **Old University** (Hofgasse 14, 8010 Graz) and represents the highlight of the social programme of the conference. Please take the limited number of seats into account. Therefore, we ask you for a prompt registration.

■ **Bioenergy-"Heurigen":** open daily 10:00 – 19:00

A „Heuriger" is a traditional Austrian tavern selling wine, beer and cold snacks, and thus, a treasure of Austrian culture. We would like to invite you to our continuously open **Bioenergy-"Heurigen"**. A little snack inbetween guarantees a boost of energy for the widespread conference programme and moreover, serves as an excellent meeting place for networking opportunities.



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■ „Häuslbauer"– trade fair from 22nd to 25th of January, 2026

The „Häuslbauer"-trade fair (22nd–25th of January, 2026 in Graz, Styria) is the leading trade fair in the field of house construction and energy. One core theme of the event is the presentation of bioenergy technologies.

Biomass producers, suppliers and distributors, manufacturers of biomass combustion technologies (e.g. wood-pellet, wood-chip and log-wood boilers, wood-pellet and log-wood stoves), and manufacturers of biomass CHP technologies will be represented as exhibitors in large numbers at the trade fair. Moreover, R&D organizations as well as technical and financial consultancy firms enrich the trade fair's programme. The trade fair is designed for house owners with intentions of installing a new heating system as well as key decision-makers from politics, economy and industry.

INFO: The ticket of the 8th **Central European Biomass Conference CEBC2026** enables you to visit all areas of the „Häuslbauer"-trade fair for free!



Review of 2023



Leading event of
the bioenergy sector

270
Scientific
Presentations

3
Excursions

1.400
Participants

18
Workshops

40.000
Visitors at the simultaneously held
„Häuslbauer“-trade fair

Visitors profile

Technical Operators	34 %	<div></div>
Scientists	30 %	<div></div>
Project management	25 %	<div></div>
Other	11 %	<div></div>

Participants from over 56 countries

Germany	34 %	<div></div>
Italy	16 %	<div></div>
The Netherlands	13 %	<div></div>
Sweden	11 %	<div></div>
Great Britain	8 %	<div></div>
France	6 %	<div></div>
Spain	4 %	<div></div>
Serbia	3 %	<div></div>
Belgien	3 %	<div></div>
USA	1 %	<div></div>
China	1 %	<div></div>

Participants-Feedback 2023

96 % highly recommend the conference
87 % very satisfied participants

We design the future of renewable energy.



With over 30 years of engineering experience, we deliver complete planning solutions for sustainable energy systems – from concept to implementation – in Austria and beyond.

Our expertise includes:

- Biomass district heating
- Power from wood and biogas
- Photovoltaics
- Solar thermal energy
- Waste heat utilization
- Energy storage
- Building technology



riebenbauer.at

A large industrial facility with complex piping and machinery. A prominent feature is a large, curved, silver-colored metal duct that runs horizontally across the middle of the frame. To the left, there is a tall, vertical purple structure. The background shows multiple levels of metal walkways and structural beams. On the right, there are large, teal-colored rectangular panels or containers. The overall scene is a detailed view of a biomass processing plant.

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polycombustion

1 MW – 30 MW_{th}
200 kW – 20 MW_{el}

polycarbonisation

PolyHeld
400 kW – 3 MW_{th}

ReGaWatt
990 kW – 20 MW_{th}
250 kW – 8 MW_{el}

polygasification

Carbonisation
up to 25,000 t/a

Torrefaction
up to 60,000 t/a
per production line

The CEBC2026 is an excellent opportunity to ...



„The Central European Biomass Conference offers industry stakeholders the opportunity to exchange ideas on innovative technologies and concepts and, moreover, connect with each other. Thus, they collectively drive the implementation of our technologies forward and advance the urgently needed energy transition.“

Dina Bacovsky, BEST, AUT



„The CEBC is one of the most important conferences on sustainable biomass utilization worldwide, providing a comprehensive overview of the latest opportunities in biomass use. In Austria and many other countries, bioenergy is the number one renewable energy source and can, therefore, play a crucial role in addressing the climate crisis. But we need predictable framework conditions.“

Hermann Hofbauer, TU Vienna, AUT



„Biomass is not only a renewable energy source but will also serve as a crucial raw material base for the chemical industry and renewable fuels in the future. The CEBC provides the latest insights and is an ideal platform for knowledge exchange.“

Markus Lehner, MUL, AUT



„The combination of bioenergy use with CO₂-capture or biochar production can achieve negative CO₂-emissions, which are essential in order to meet the climate targets. The CEBC will showcase the latest research results on these key technologies and foster the development of innovations.“

Tobias Pröll, BOKU, AUT



„A sustainable energy and resource system requires efficient interaction between different technologies. With a variety of controllable and flexibly operable technologies, bioenergy can make a significant contribution. The CEBC enables a comprehensive discussion on the resulting flexible, hybrid bioenergy systems, and, in particular, the opportunities that arise from their increased digitalization, both in terms of their design and their operation.“

Markus Gölls, BEST, AUT



„A complete defossilization of our economic activities can only be achieved through joint efforts. The CEBC provides the ideal platform to discuss sustainable and efficient pathways for utilization – from material use and material cycles to energy applications, ideally coupled with negative emission technologies.“

Christoph Pfeifer, BOKU, AUT



„Biomass is set to play a key role as a renewable carbon carrier in the future of carbon-based fuels, chemical products and energy carriers, especially, in areas where electrification is limited. A strong connection between bioeconomy and circular economy is vital for this goal. The CEBC offers an ideal platform for fostering these developments.“

Franziska Müller-Langer, DBFZ, GER



„Recent developments highlight biomass as a key driver of Europe's energy independence and its path to a fossil-free future. As the energy transition accelerates, the CEBC serves as a vital hub for knowledge exchange, uniting experts to showcase both, the successes and challenges of biomass and explore innovative solutions that will shape the sustainable transformation of the energy sector.“

Panagiotis Grammelis, CERTH, GRC

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Honorary Chair:

- Hermann Hofbauer, *Vienna University of Technology (TU Vienna), AUT*

Vice Chairs:

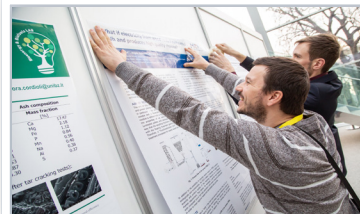
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- Markus Gölls, *BEST Bioenergy and Sustainable Technologies, AUT*
- Panagiotis Grammelis, *Centre for Research and Technology Hellas (CERTH), GRC*
- Markus Lehner, *Montanuniversität Leoben (MUL), AUT*
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- Tobias Pröll, *University of Natural Resources and Life Sciences Vienna (BOKU), AUT*
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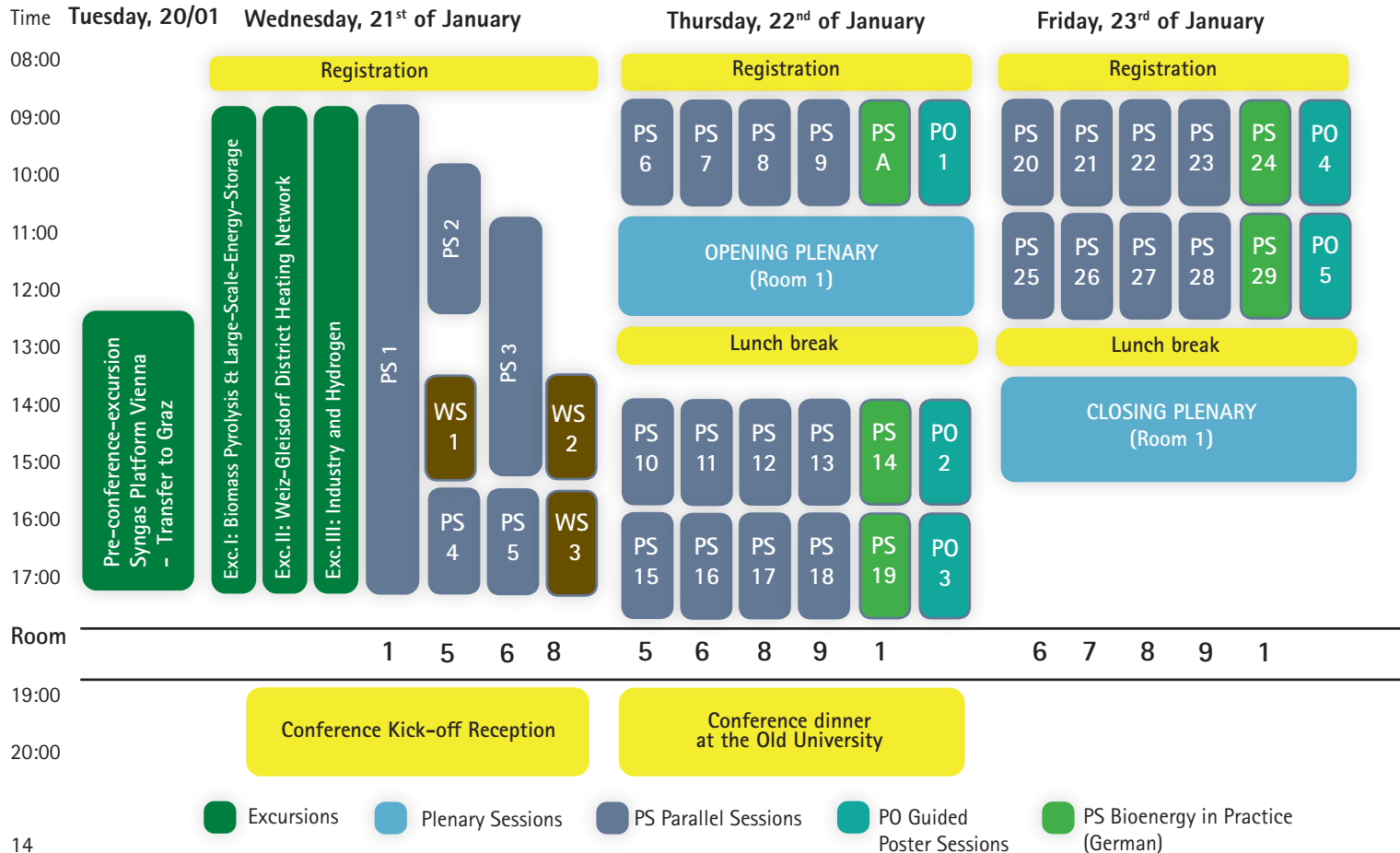


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Programme of the 8th Central European Biomass Conference CEBC2026



Programme Overview

Tuesday, 20th of January, 2026

13:00–17:30 Pre-conference-excursion – Syngas Platform Vienna – Transfer to Graz

Wednesday, 21st of January, 2026

from 07:30 on: Registration

08:00–18:30 **Excursions I–III**

Sessions (co-)organized with IEA Bioenergy tasks and other projects(*)

09:00–17:45 PS 1: Bioenergy towards Net-Zero/Net-Negative Futures (Task 45)*

10:00–12:30 PS 2: BioHeat – Gasification of Opportunity Fuels with Online Monitoring and SNG Production Pathways

11:00–15:00 PS 3: Biofuels for Transport: BioTheRoS Project Insights into Technology, Markets, and Sustainability*

12:30–13:30 **Lunch break & Networking**

13:30–15:00 WS 1: Advancing the Wood Biomass Sector in Kosovo

13:30–15:00 WS 2: WERN (Wood Energy Regional Network) (closed WS)

15:30–17:00 PS 4: Biomass Combustion and Green Carbon Production (Tasks 32, 33, 34)*

15:30–17:00 PS 5: Gasification at Large Scale (Task 33)*

15:30–17:00 WS3: Present and Future Pellet Research

from 18:00 on: **Conference Kick-off Reception (Auditorium)**

Thursday, 22nd of January, 2026

from 08:00 on: Registration

09:00–10:30 PS 6: Green gas production

09:00–10:30 PS 7: Syngas research in Austria's Advanced Bioenergy Lab

09:00–10:30 PS 8: Bioenergy and Sustainability

09:00–10:30 PS 9: Flexible and Hybrid Systems

09:00–10:30 PS A Bioenergy in Practice 1: Bioenergy – Practice meets Innovation

09:00–10:30 PO1 Poster – Green Carbon & Ressources, Yield Improvement, Logistics

10:30–11:00 Coffee break

11:00–12:30 **OPENING PLENARY – Scientific & Political Opening**

12:30–14:00 Lunch break & Networking

14:00–15:30 PS 10: Implementation of Biofuels and Biogas

14:00–15:30 PS 11: Strategic Considerations on the Capture of Biogenic CO₂ and its Utilization or Sequestration

14:00–15:30 PS 12: Biomass Value Chain Networks

14:00–15:30 PS 13: Automated Control Systems for Flexibility Provision for the Heating and Electricity Sector*

14:00–15:30 PS 14: Bioenergy in Practice 2: Bioenergy in Europe and Austria

14:00–15:30 PO2 Poster – Gases, Fuels, Chemicals 1

15:30–16:00 Coffee break

16:00–17:30 PS 15: Biogas meets Biorefinery (Tasks 37 + 42)*

16:00–17:30 PS 16: Technologies for Capturing and Utilizing or Sequestering Biogenic CO₂

16:00–17:30 PS 17: Circular Economy

16:00–17:30 PS 18: Modelling, Monitoring and Control of Technologies

16:00–17:30 PS 19: Bioenergy in Practice 3: Modernizing and Optimizing Biomass-Based Heating Networks

16:00 – 17:30 PO3 Poster – P3 – Effective Use & Elect., Heat and Cold & Digitals

19:30 **Conference Dinner**

Friday, 23rd of January, 2026

from 08:00 on: Registration

09:00–10:30 PS 20: Gasification of Biogenic Residues

09:00–10:30 PS 21: Green Carbon Frameworks

09:00–10:30 PS 22: Biomass Resources and Logistics

09:00–10:30 PS 23: DHC and CHP

09:00–10:30 PS 24: Bioenergy in Practice 4: Biofuels in Practice

09:00 – 10:30 PO4 Poster: Gases, Fuels, Chemicals 2 & BioCCS

10:30–11:00 Coffee break

11:00–12:30 PS 25: Operation Performance of Gasification with a Focus on Tar and New Reactor Designs for Gasification-Related Technologies

11:00–12:30 PS 26: Green Carbon Technologies and Applications

11:00–12:30 PS 27: Bioenergy in industrial processes

11:00–12:30 PS 28: Efficient, Low Emission Small-Scale Boilers, Stoves and Mini-CHPs

11:00–12:30 PS 29: Bioenergy in Practice 5: Bioenergy and Forestry in Practice

11:00–12:30 PO5 Poster – Sustainability, Circular Economy and Politics

12:30–13:30 Lunch Break & Networking

13:30–15:00 **CLOSING PLENARY**

15:00 Conference Closing

Pre-conference-excursion

Syngas Platform Vienna – Wien Simmering with transfer to Graz

Meeting point: 11. Haidequerstraße 6, 1110 Vienna (turnstile at the corner of Johann-Petrak-Gasse / 11. Haidequerstraße)
Time to choose: 12:30, 12:40, 12:50
Duration of tour: approx. 1,5 hours
Departure to Graz: approx. 14:30
Arrival in Graz (Messe): approx. 17:00

■ For a limited number of attendees (typically for those travelling via Vienna) BEST – Bioenergy and Sustainable Technologies GmbH offers a tour of its Syngas Platform Vienna. The core element of the Syngas Platform Vienna is a 1 MW second generation Dual Fluidized Bed steam gasifier. This plant is specifically designed to also handle challenging feedstock, such as low quality biomass, sewage sludge or sorted fractions of MSW. The tour will also include a visit of BEST's downstream synthesis plants (eg. the barrel per day Fischer-Tropsch plant), which are directly connected to the gasifier. The tour will start at 11. Haidequerstraße 6, 1110 Wien-Simmering (entrance directly at the corner of Johann-Petrak-Gasse / 11. Haidequerstraße via a turnstile). The site is about 15 minutes from Vienna Airport and 30 minutes from the city centre. Attendees can be transferred to Graz (Messe) after the tour. The registration becomes valid after payment of the registration fee. The available places will be assigned on a first come principle.

Sign up here:

https://best-research.eu/content/de/anmeldung_preconferenceexcursion2026

Tuesday

20.

January

Excursions

Wednesday

21.

January

Excursion I Biomass Pyrolysis and Large-Scale-Energy Storage

Discover state-of-the-art technologies across the entire biomass value chain – from high-efficiency boilers and innovative pyrolysis systems to wood gas CHP plants and advanced energy storage solutions. This excursion will take you to flagship projects in Burgenland and Styria, offering exclusive on-site insights and behind-the-scenes experiences.

08:00 Departure from Messe Congress Graz

10:15 **District Heating Eisenstadt**

- 2 x 7 MW **Polytechnik** biomass boilers
- 24 km district heating network

12:30 Lunch break

14:00 Dunst Sonnenerde

- NGE pyrolysis plant for biochar production

16:00 **Stadtwerke Fürstenfeld**

- 12 x **Burkhardt** wood gas CHP units with a total electrical output of 2,000 kW
- 15 hectares of ground-mounted PV systems
- 24 MWh large-scale electrical storage system

18:30 Arrival Messe Congress Graz



Excursions

Excursion II Weiz–Gleisdorf District Heating Network

Explore the planned Weiz–Gleisdorf district heating interconnection, where five biomass heating plants will be linked via a long-distance transmission pipeline to provide a reliable and sustainable regional energy supply. This excursion demonstrates how collaboration and innovative technologies – from bio-oil boilers and solar thermal systems to industrial heat supply – combine to create a robust and future-oriented network.

09:00 Departure from Messe Congress Graz

10:00 District Heating Weiz

- 60,000 MWh annual biomass heat production
- Bio-oil boiler system
- Presentation of the Weiz–Gleisdorf district heating interconnection

12:00 Lunch Break

13:30 Local Heating St. Ruprecht

- 1,800 kW biomass boiler
- 1,590 m² solar thermal plant and 138,000 litre buffer storage
- Live wood chipper demonstration by Eschlböck

15:15 Local Heating Wollsdorf

- 8 MW biomass boiler
- 450,000 litre buffer storage
- Industrial heat supply (Magna, Siemens)

17:30 Arrival Messe Congress Graz

Organisation: Departure starts after a successful registration (meeting point 1st floor, Messe Congress Graz).

Language: German-speaking guides with English-speaking support

Excursion III Industry and Hydrogen

From industrial practice to cutting-edge research, this excursion offers an exclusive behind-the-scenes look at the energy systems and blast furnace operations of voestalpine Stahl Donawitz in Leoben, followed by a visit to the Hydrogen and Carbon Research Center at Montanuniversität Leoben. Participants will gain first-hand insight into current challenges and pioneering solutions for a climate-resilient industrial future.

Participation in this excursion requires good physical condition. For safety reasons, long trousers (ankles must be covered) and sturdy, closed shoes are mandatory.

08:00 Departure from Messe Congress Graz

09:15 voestalpine Stahl Donawitz

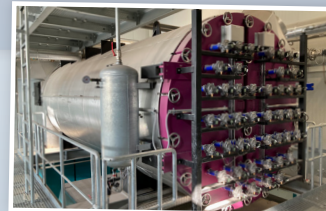
- Energy supply at voestalpine
- Guided tour of the blast furnace

12:30 Lunch Break

13:45 Montanuniversität Leoben

- Production of low-emission hydrogen through methane pyrolysis in pilot plants
- Complete material utilisation of residual biomass streams
- Carbon applications with a focus on agriculture and forestry

17:30 Arrival Messe Congress Graz



Wednesday
21.
January



New Directions for Climate Protection and Energy Efficiency – Zero Emission Austria

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**Eschböck
BIBER 84**



**Biber wood chippers-
red chippers for green energy**

PS 1: Bioenergy towards Net-Zero/Net-Negative Futures*

09:00 – 17:45



„The role of bioenergy in the climate transition can take many forms and will likely vary over time and across regions. Developing a bioenergy strategy requires understanding its potential and how it interacts with other mitigation options in the land and end-use sectors.“

Chair: Göran Berndes, *Chalmers University, SWE*

Achieving climate goals often involves expanding bioenergy, sometimes with carbon capture to reach negative emissions. Bioenergy is flexible, storable, and proven, but large-scale use can create environmental and social trade-offs. The best strategy depends on local conditions and priorities. A 2019 IEA Bioenergy workshop explored how bioenergy and associated technologies could contribute to climate action and other sustainable development goals. This follow-up workshop – organized by IEA Bioenergy Task 45, Chalmers, IIASA, GBEP, and the EU project UPTAKE – looks at bioenergy's role in net-zero and net-negative futures.

Experts will discuss how bioenergy interacts with land-based mitigation and how biomass supply can grow through residues use and integrated land use. They will also examine how modeling choices, assumptions, and governance affect results. Different models and policies can lead to contrasting views of biomass potential and land impacts. This workshop aims to synthesize insights and identify conditions for bioenergy to best support sustainable climate transitions.

Morning Session: Setting the Scene and Exploring Key Interactions

08:30 – 09:00 | Registration & Coffee
Participant check-in and informal networking

09:00 – 09:30 | Opening Remarks
Welcome by IEA Bioenergy Task 45 and host institutions. Overview of workshop objectives and links to the 2019 initiative



Wednesday
21.
January

09:30 – 10:45 | Session 1 – Bioenergy in Net-Zero Pathways

Global and regional perspectives on bioenergy's role in climate mitigation. Topics: biomass potential, trade-offs with land-based mitigation, and modeling differences. Format: 3–4 short presentations + moderated discussion

10:45 – 11:15 | Coffee Break

11:15 – 12:45 | Session 2 – Biomass Supply and Land Interactions

Expanding sustainable biomass through residues, integration with existing systems, and governance options. Format: Short presentations and open discussion on environmental and social dimensions

12:45 – 14:00 | Lunch Break

Afternoon Session: Modeling, Policy, and Synthesis

14:00 – 15:30 | Session 3 – Modeling Assumptions and Governance Contexts

Exploring how models and policy frameworks shape bioenergy outcomes. Focus on assumptions, land-use priorities, and normative constraints. Format: Expert panel discussion and Q&A

15:30 – 16:00 | Coffee Break

16:00 – 17:15 | Session 4 – Synthesis and Pathways Forward

Breakout group discussions on:

1. Bioenergy–land-use synergies and sustainability
 2. Modeling consistency and transparency
 3. Policy and governance priorities
- Followed by plenary synthesis and key messages

17:15 – 17:45 | Closing Session

Summary of findings, next steps for the IEA Bioenergy report, and outlook for joint publications

*PS1: Session co-organized with IEA Bioenergy Task 45

PS 2: BioHeat – Gasification of Opportunity Fuels with Online Monitoring and SNG Production Pathways, 10:00 – 12:30

Wednesday
21.
January



„A sustainable industrial future requires energy carriers that reduce CO₂ emissions and utilize resources more efficiently, especially in sectors whose high-temperature demands cannot be met by electrification alone. Converting biogenic residues into renewable gases while recovering nutrients closes material loops, minimizes waste, and provides a resilient, climate-friendly energy pathway for hard-to-decarbonize industries.“

Chair: Katharina Fürsatz, *BEST, AUT*

In the BioHeat project, the development of a process chain for converting low-cost biogenic residues into gaseous renewable energy carriers for industrial applications was investigated. Both the direct use of the product gas and the further conversion into synthetic natural gas (bioSNG) were considered as business cases. The conversion of biogenic residues was studied at pilot and demonstration scale to obtain the necessary insights for the proof-of-concept of the entire process chain.

Subsequently, the overall biorefinery concept, including bioSNG production based on two reaction designs, was thoroughly evaluated. To further optimize the process, new in-situ measurement techniques were developed that enable real-time monitoring of process parameters that were previously not measurable.

In addition, the plant availability of the resulting ash was examined by applying it as a fertilizer for seedlings. The use of the ash contributes to closing the nutrient cycle. The experimental results and proofs of concept were ultimately incorporated into business cases that assessed the technical, economic, and ecological feasibility in comparison with the industrial state of the art.

10:00 Opening

First-time demonstration of DFB steam gasification of corn cobs in 1 MW scale

Miriam Huber, *Bioenergy and Sustainable Technologies (BEST), AUT*

SNG from biomass – investigation of raw-SNG production from biogenic residues via chain operation at TU Wien

Ferdinand Thelen, *TU Wien (Vienna University of Technology), AUT*

Sustainable BioSNG production through catalytic methanation of biomass-derived syngas

Marija Jeremić, *Montanuniversität Leoben (MUL), AUT*

SNG from biomass – preselection of biogenic residues and techno-economic evaluation of production pathways

David Kadlez, *TU Wien (Vienna University of Technology), AUT*

Tracking composition of ash-enriched bed materials from biomass gasification for prospective applications as fertilizers

Dominika Pawcenis, *Jagiellonian University, POL*

Online monitoring of biomass gasification and combustion in dual fluidized reactors by novel NIR–MIR technique

Jacek Dańczak, *Danex s.c., Przedsiębiorstwo Usługowo-Handlowe, POL*

12:30 Lunch Break

PS 3: Biofuels for Transport: BioTheRoS Project Insights into Technology, Markets, and Sustainability*, 11:00 – 15:00



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„The BioTheRoS Project aims to address the global challenge to scale up advanced biofuels production for aviation and the maritime sector using two innovative thermochemical conversion technology value chains: pyrolysis and gasification.“

Chair: Rainer Janssen, *WIP Renewable Energies, GER*

11:00 Opening

From pilot to industrial scale: the BioTheRoS project driving Europe's thermochemical biofuel revolution

Dimitris Kourkoupas, *Centre for Research & Technology Hellas (CERTH), GRC*

Advanced biofuels production via pyrolysis upgrading

Patrick Reuermann, *BTG Biomass Technology Group BV, NLD*

Syngas Platform Vienna – gasification of residues and synthesis of fuel and chemicals

Theresa Köffler, *Bioenergy and Sustainable Technologies (BEST), AUT*

IEA Bioenergy Task 39: biofuels to decarbonize transport

Andrea Sonleitner, *Bioenergy and Sustainable Technologies (BEST), AUT*

IEA Bioenergy Task 33: gasification of biogenic and waste feedstocks for a sustainable future

Jitka Hrbek, *University of Natural Resources and Life Sciences (BOKU), AUT*

IEA Bioenergy Task 34: direct thermochemical liquefaction

Manuel Schwabl, *Bioenergy and Sustainable Technologies (BEST), AUT*

12:30 – 13:30 Lunch Break

Outlook on supply and demand of advanced biofuels in Europe

Patrick Reuermann, *BTG Biomass Technology Group BV, NLD*

Advancing the sustainability of aviation and maritime biofuels through digital innovation and stakeholder engagement

Angeliki Sagani, *Centre for Research & Technology Hellas (CERTH), GRC*

14:10 Panel discussion

Franziska Müller-Langer (*ICARUS, DBFZ, GER*)

Manuel Schwabl (*IEA Bioenergy Task 34, BEST, AUT*)

Dimitris Kourkoupas (*BioTheRoS, CERTH, GRC*)

Dina Bacovsky (*ETIP Bioenergy, BEST, AUT*)

Wrap-up and end of workshop

15:00 Closing & Coffee Break

The project BioTheRoS – Collaborative Actions to Bring Novel Biofuels Thermochemical Routes into Industrial Scale – has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101122212

***PS3: Session co-organized with the BioTheRoS project and IEA Bioenergy Tasks 33, 34 and 39**

WS 1: Advancing the Wood Biomass Sector in Kosovo – Building a Sustainable Future through Local Action and Regional Cooperation, 13:30 – 15:00

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13:30- Opening

Kosovo possesses significant untapped potential for wood biomass as a renewable and sustainable energy source. Despite its availability, biomass remains underutilized in national energy and forestry strategies, overshadowed by other renewables such as solar energy. The value chain is fragmented, market systems are underdeveloped, and public awareness about biomass heating and energy efficiency remains low.

Recent initiatives, such as the SUNREED (Sustainable Use of Natural Resources for Environment and Economic Development), a five-year (2022–2026) program funded by the Embassy of Sweden in Pristina and Sida, have made important progress in advancing the wood biomass energy sector in Kosovo – developing a Wood Biomass Energy Roadmap, establishing wood biomass collection points, completing feasibility studies for establishing wood biomass heating systems for 12 municipalities (with capacities ranging from 0.5 up to 6MW), and building the capacities of private forest owners and SMEs in the wood biomass energy value chain.

However, to accelerate progress, Kosovo needs stronger stakeholder coordination, policy dialogue, and investment promotion. Participation in CEBC 2026 provides a unique opportunity to connect Kosovo's experiences with European developments in bioenergy, exchange lessons learned, and foster cooperation for sustainable biomass utilization.

The session aims to present Kosovo's emerging wood biomass energy sector within the broader European bioenergy context and to discuss pathways and options for scaling up sustainable biomass use, through for example the introduction of investment incentives and subsidies, improved policies or new technologies.

1. Opening Remarks – Overview of Kosovo's biomass sector (Kosovo Biomass Association / CNVP / SUNREED)

2. Presentations:

Kosovo Wood Biomass Roadmap – Feasibility studies for heating systems that use biomass

SUNREED – Public-Private Partnership

3. Panel Discussion:

Unlocking Biomass Potential in the Western Balkans – Policies, Investments, and Partnerships

Representatives from ministries (Ministry of Economy (ME), Kosovo Investment and Enterprise Support Agency (KIESA), Mayors; & Kosovo Energy Efficiency Fund (Investment opportunities); Private sector

Banks EBRD, BKT; World Bank, etc.

EU and Regional bioenergy experts

4. Interactive Q&A and Networking

Target Audience

Private sector representatives, banks, companies who produce boilers/materials for biomass heating systems and relevant stakeholders from Kosovo and the wider region.

hosted by: Kosovo Biomass Association – In cooperation with CNVP Kosovo / SUNREED Project

WS 2: WERN Wood Energy Regional Network

13:30 – 15:00, *(closed workshop)*

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13:30 Opening

Participants:

Bioenergy representatives from the WERN (Wood Energy Regional Network) regions; event not open to the public

Presentation of the regions:

- Styria
- Castile and León / La Mancha
- Other regions

Tools:

- Overview of national and international legislative frameworks, including a structured reference folder with relevant background information
- EU Biomass Atlas: a systematic analysis of bioenergy and the energy transition across different Member States (energy statistics, national energy and climate policies, resource availability, wood energy, regional approaches, etc.)
- Assessment of wood energy potential using satellite data and its integration into energy balances (LUI Cube with regional-level data, natural CO₂ cycle and wood energy, security of basic energy supply, etc.).

15:00 Closing



PS 4: Biomass Combustion and Green Carbon Production*

15:30 – 17:00



Chair: Manuel Schwabl, *BEST, AUT*

15:30 Opening

Content loading – please check back soon!

*PS4: Session co-organized with IEA Bioenergy Task 32, 33, 34

17:00 Closing

PS 5: Gasification at a Large Scale*

15:30 – 17:00



„By converting biomass or waste into clean syngas, thermochemical gasification reduces environmental impacts and supports the production of renewable energy, fuels and chemicals.“

Chair: Jitka Hrbek, *University of Natural Resources and Life Sciences (BOKU), AUT*

Although large-scale gasification currently faces several challenges, many of them driven by non-technical barriers such as regulatory uncertainty and market conditions, these issues slow deployment but do not diminish the value of the technology.

Gasification remains an important pathway for converting biomass and waste into clean energy, advanced biofuels, and sustainable biochemicals.

15:30 Opening

Gasification status in member countries – Overview

Jitka Hrbek, *University of Natural Resources and Life Sciences (BOKU), AUT*

High-pressure entrained flow gasification: Validated data from 5 MW pilot-scale experiments for process monitoring, optimization and scale-up

Ulrike Santo, *Karlsruhe Institute of Technology (KIT), GER*



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From combustion to conversion: the rise of a transformed CHP industry
Christer Gustavsson, *BioShareAB, SWE*

Production of methanol from waste and bio residues without CO₂ emissions
Andrea Bonanni, *MyRechemical, ITA*

Gasification in the USA
Robert Baldwin, *National Renewable Energy Laboratory (NREL), USA (online)*

17:00 Closing

***PS5: Session co-organized with IEA Bioenergy Task 33**

WS 3: Present and Future Pellet Research

15:30 – 17:00

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„Pellets are a key component of the bioenergy supply chain and play a critical role in the transition from fossil fuels to renewable energy sources. Advancing research in this area is essential to develop sustainable solutions for meeting future energy demand.“

Chair: Magnus Stahl., *Karlstad University, SWE*

The pellet industry is entering a new era filled with challenges and opportunities. In several regions, competition for high-quality wood feedstock is intensifying, making diversification and innovative raw material blends essential. At the same time, pellets are evolving beyond their traditional role as fuel—they are becoming key intermediate products in broader manufacturing chains.

Emerging markets are driving demand for pellets made from wood and agricultural residues, particularly for use in gasification stoves that enable clean and healthy cooking—saving lives and improving living conditions worldwide.

How should future pellet research address these critical questions? What breakthroughs will shape the next generation of pellet applications?

Join us for this workshop to explore:

- Strategies for raw material diversification and sustainable sourcing
- Innovative pellet blends and their performance
- New industrial applications beyond energy
- The role of pellets in global health and clean cooking solutions

Be part of the conversation that defines the future of pellets. Your expertise matters—don't miss this opportunity to collaborate, learn, and lead.

15:30 Opening

Participating researchers will be from:

KaU – Karlstad University, Sweden

SLU – Swedish University of Agricultural Sciences, Sweden

Holzforschung, Vienna, Austria

World Bioenergy Association

17:00 – Closing & Networking

The workshop will conclude with a networking session, giving participants the opportunity to exchange ideas, explore collaboration opportunities, and build connections across institutions and countries.



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Parallel Session 6

Green Gas Production

09:00 – 10:30

Chair: Kati Görsch, *DBFZ, GER*

09:00 Opening

Sustainable gases from biogenic residues – An experimental and simulation-based investigation of synthetic natural gas and hydrogen production
Alexander Bartik, *TU Wien (Vienna University of Technology), AUT*


BIO-SNG from biogas and sewage gas methanation – the project „GRÜSE-BIOP2G“
Andreas Krammer, *Montanuniversität Leoben (MUL), AUT*

Production of high-purity hydrogen from residual biomass via sorption enhanced gasification with integrated catalytic reactors
Luis La Calle Candela, *Institute of Carbon Chemistry (ICB-CSIC), ESP*

Operation and upscaling assessments of a pilot scale biorefinery producing renewable methane using biogenic CO₂ and value adding by-products from side streams
Philipp Knötig, *Deutsches Biomasseforschungszentrum (DBFZ), GER*

Sustainable BioSNG production through catalytic methanation of biomass-derived Syngas
Marija Jeremic, *Montanuniversität Leoben (MUL), AUT*

10:30 Coffee Break

Language **English** 

Parallel Session 7

Syngas Research in Austria's Advanced Bioenergy Lab

09:00 – 10:30

Chair: Richard Zweiler, *ABL, AUT*

09:00 Opening

Optimised hydroprocessing of biogenic Fischer-Tropsch crude for conversion into jet fuel
Reinhard Rauch, *Karlsruher Institut für Technologie (KIT), GER*


CO₂ and CH₄ co-purification in raw-SNG upgrading: An assessment of separation technologies for dual-product recovery
Antonia Biebighäuser, *University of Natural Resources and Life Sciences (BOKU), AUT*

Closing the carbon loop: CO₂ sequestration via mineral carbonation of biomass gasification residues
Sarah Reiter*, *Montanuniversität Leoben (MUL), AUT*

Advanced Bioenergy Lab eGen – real lab for syngas research
Richard Zweiler, *Advanced Bioenergy Lab (ABL), AUT*

Advanced Bioenergy Lab – plant design via process simulation
Ferdinand Thelen, *TU Wien (Vienna University of Technology), AUT*

10:30 Coffee Break

Language **English** 

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Parallel Session 8

Bioenergy and Sustainability

09:00 – 10:30

Chair: Florian Kraxner, *IIASA, GER*

09:00 Opening

Development of a good practice guide for the bioenergy industry to contribute to nature-beneficial outcomes in managed forests

Sotirios Sourmelis, *University of Surrey, GBR*

Perspectives on increased wood utilization under current and future sustainability reporting obligations

Sonja Siegl, *BioBase GmbH, AUT*

Strategies for the optimal bioenergy use in Austria up to 2050 based on life cycle assessment

Christa DiBauer, *BEST Bioenergy and Sustainable Technologies, AUT*


Climate effects of forest management and fuel wood – assessment of the green carbon cycle

Hubert Röder, *Weihenstephan-Triesdorf University of Applied Sciences (HSWT), GER*

Quantifying the climate change impacts of bioenergy and BECCS

Annette Cowie, *NSW Department of Primary Industries, AUS*

10:30 Coffee Break

Language English 

Parallel Session 9

Flexible and Hybrid Systems

09:00 – 10:30

Chair: Astrid Leitner, *BEST, AUT*

09:00 Opening

Toward a coordinated operation of decentralized energy: the role of biomass-based hybrid systems

Lukas Richter, *Deutsches Biomasseforschungszentrum (DBFZ), GER*

Modular optimization-based control framework for hybrid bioenergy systems in smart homes

Bernd Riederer, *BEST Bioenergy and Sustainable Technologies, AUT*

Field test of a hybrid heating system with intelligent control for flexible, sustainable heat supply

Maximilian Beyer, *Technical University Dresden (TUD), GER*


Predictive control as a retrofit measure: increasing performance of biomass heating plants without new hardware

Jakob Fuchsberger, *BEST Bioenergy and Sustainable Technologies, AUT*

Economic assessment of electrically assisted sorption enhanced biomass gasification

Thomas Rasl, *University of Natural Resources and Life Sciences (BOKU), AUT*

10:30 Coffee Break

Language English 

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Postersession 1 (PO1) Green Carbon & Resources, Yield Improvement and Logistics

09:00 – 10:30

Poster Session Chair: Elisabeth Wopienka, *BEST, AUT*

Technology survey of intermediate pyrolysis technologies in pre-industrial scale in Europe
Franziska Klauser, *BEST, AUT*

Understanding Parenchyma Cell Contributions to Gas and Heat Formation during Biomass Storage, a study on Birch and Pine
Stefan Frodeson, *Karlstad University, SWE*

Investigation and modeling of secondary char formation mechanisms
Thomas Steiner, *BEST, AUT*

Design and construction of an electrostatic precipitator for aerosol removal in bio-oil condensation
Konstantin Moser, *BEST, AUT*

Biochar yield optimization by recirculating liquid pyrolysis products
Manuel Schwabl, *BEST, AUT*

TORFFREI – The way to sustainable, regional, peat-free growing substrates for commercial and hobby horticulture
Andrea Sonnleitner, *BEST, AUT*

The HyFuelUp Project
Myrsini Christou, *Center for Renewable Energy Sources (CRES), GRC*

The ICARUS Project
Loukas Gavril, *Center for Renewable Energy Sources (CRES), GRC*

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The comparison of parameters of torrefied olive pommes from existing dry torrefaction installation vs SHS pilot, laboratory scale installation
Julia Osmańska, *Lodz University of Technology, PLD*

Torrefaction process of Oxytree under dry steam atmosphere to reduce phytotoxicity and stimulate growth of *Lemna minor* L. for biochar applications
Szymon Szufa, *Lodz University of Technology, PLD*

Impact of impeller type and rotational speed on settling characteristics of activated sludge flocs at a full-scale wastewater treatment plant
Sandra Gerz, *MCI – The Entrepreneurial School, AUT*

Implementing industrial-scale torrefaction
Wolfgang Moser, *Nextfuel Technology GmbH, AUT*


On a potential industrial scale-up roadmap for the NET-Fuels project
Fatima Dargam, *RI REACH Innovation GmbH*

From fossil reliance to biocarbon: A GIS-based analysis of Sweden's industrial emissions and insights for energy transition
Ali Syeda Mahnoor, *Swedish University of Agricultural Sciences (SLU), SWE*

Development of a novel process for the mechanical separation of spruce needles from logging residues
Michael Finell, *Swedish University of Agricultural Sciences (SLU), SWE*

Social network analysis of the biochar EU funded research since 2014
Nikos Logos, *Technical University of Crete, GRC*

10:30 Closing

Language **English** 

Bioenergy in Practice and Application 1

Parallel Session A

Bioenergy – Practice meets Innovation

09:00 – 10:30

Chair: Klaus Engelmann, *LK STMK, AUT*

09:00 Opening

BECCS – Practical case study Dornbirn: first experiences

– EnergieWerk Ilg

Tobias Ilg, *Energiewerk Ilg, AUT*

Building the dual strategy: Cutting emissions now while scaling BECCS for the future

Jean-Marc Jossart, *Bioenergy Europe, BEL*

From sawmill to comprehensive energy provider

Jakob Edler, *Bioenergiegruppe, AUT*

Making biogas plants fit for the future – where is the sector heading?

Practical report

Josef Knoll, *Biogas-Experte, GER*

10:30 Closing

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Simultaneous translation 

EGGER POW AIR

Award within the framework of 20 years of QM Heizwerke in Austria by BMLUK and klimaaktiv Heizwerke und Wärmenetze

Room 2, 10:30 – 11:00

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As part of the 8th Central European Biomass Conference CEBC2026, Federal Minister Norbert Totschnig (BMLUK) and klimaaktiv Heizwerke und Wärmenetze will honor pioneers and exemplary projects on the occasion of the 20th anniversary of QM Heizwerke in Austria. Awarded will be pioneers in the implementation of quality management in Austria and model projects that meet the highest technical and economic efficiency standards, particularly due to the exemplary commitment of the plant operators.

QM Heizwerke is a nationwide Austrian quality management programme for heating plants and district heating networks, continuously developed in cooperation with the international QM for Biomass DH Plants working group. Participation is mandatory for all plants with at least ten customers and an annual heat supply of at least 800 MWh in order to receive environmental funding in Austria. The management system aims to sustainably improve the technical quality and efficiency of plants through accompanying quality control during planning, construction, and operation.

AEE – Institute for Sustainable Technologies (AEE INTEC) manages klimaaktiv Heizwerke und Wärmenetze on behalf of BMLUK. Key components, in addition to managing and further developing of the quality management system QM Heizwerke, include training of quality managers, planners, and operators, as well as know-how transfer and networking of all stakeholders.

Language German 



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Plenary Session

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Room 1, 11:00 – 12:30

Moderator: Lisa Münzer, Büro für nachhaltige Entwicklung, AUT



„Styria is a global leader in bioenergy research, bioenergy deployment and political support for bioenergy, ranging from wood-fired heating and district heating to innovative bioeconomy projects, and it is committed to maintaining this leading position.“

Andreas Steinegger, President LK STMK, AUT

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11:00 Scientific & Political Opening

Opening Statements:

- Franz Titschenbacher, President Austrian Biomass Association
- Andreas Steinegger, President Agricultural Chamber of Styria
- Josef Plank, Chair of the University Council of BOKU
- Biljana Kulisic, European Commission Directorate-General Energy

Challenges of Energy and Climate Policy in Political Practice:

- Norbert Totschnig, Federal Minister for Agriculture, Forestry, Climate and Environmental Protection, Regions and Water Management
- Elisabeth Zehetner, State Secretary for Energy, Start-ups and Tourism, Federal Ministry of Economy, Energy and Tourism
- Simone Schmiedtbauer, Regional Minister of Styria for Agriculture and Forestry, Housing and Energy, Water and Resource Management, Veterinary Affairs and Society

Keynote Presentations:

Bioenergy Research: Results and Requirements

- Dina Bacovsky, Chair of the Scientific Committee

Regrowth: A New Bioeconomy and Climate Action Approach

- Christoph Pfemeter, President of Bioenergy Europe
- Presentation and Conferral of the „Wood Energy Award 2025“

13:00 – 14:00 Lunch break



Parallel Session 10

Implementation of Biofuels and Biogas

14:00 - 15:30

Chair: Franziska Müller-Langer, *DBFZ, GER*

14:00 Opening

Biogas economy post-EEG: critical techno-economical comparison of thermochemical and biological material valorization options
Carl Fritsch, *Research Institute for Thermal Engineering (FiW Aachen), GER*


Cellulosic ethanol: development, setbacks, and monitoring through the IEA Bioenergy Task 39 database
Andrea Sonleitner, *BEST Bioenergy and Sustainable Technologies, AUT*

The Role of Biofuels in Decarbonizing EU Transport: Costs, Policies, and Technological Alternatives
Amela Ajanovic, *TU Wien (Vienna University of Technology), AUT*

Hydrogen, biomass and bioenergy: synergy and mutual reinforcement
Danielle Borher de Andrade*, *Energy Research Company (EPE), BRA*

Technical and processual aspects for the ramp-up and digitalization of the European biomethane market
Stefanie Königsberger, *Austrian Gas Clearing and Settlement (AGCS), AUT*

15:30 Coffee Break

Language **English** 

Parallel Session 11

Strategic Considerations on the Capture of Biogenic CO₂ and its Utilization or Sequestration; 14:00 - 15:30

Chair: Tobias Pröll, *BOKU, AUT*

14:00 Opening

Addressing stakeholder concerns on bioenergy and BECCS using components of robust decision making
Eilidh Forster, *Drax Group, GBR*


Dynamic life-cycle assessment as advanced evaluation method for carbon balances of biomass use and carbon capture
Ladislaus Lang-Hogrefe, *JOANNEUM Research, AUT*

Geological storage of biogenic CO₂ in Austria: opportunities and barriers for BECCS integration
Jakob Kulich, *Montanuniversität Leoben (MUL), AUT*

Unlocking the potential of biogenic CO₂ from biomethane in Europe's CCUS strategy
Pablo Molina, *European Biogas Association (EBA), BEL*

Bringing bio-based carbon dioxide removal closer to deployment – constructing an assessment tool for regional actors
Ronja Wollnik, *Deutsches Biomasseforschungszentrum (DBFZ), GER*

15:30 Coffee Break

Language **English** 

Thursday
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Parallel Session 12

Biomass Value Chain Networks

14:00 – 15:30

Chair: Annette Cowie, *NSW Department of Primary Industries, AUS*

14:00 Opening

Flourishing within limits: philosophical reflections on biomass, responsibility, and circular justice

Blerina Karagjozi, *University of Tirana, ALB*

The SynergyFuels plant – material and energetic synergies in a novel biorefinery concept

Marc Schenker, *Technical University of Munich (TUM), GER*

The material use of biomass in context of EU regulation: a biorefinery practical experience report

Miriam Freudenberger, *CropEnergies AG, GER*

Regional impacts and investment outlook of bioenergy research and development activities in Finland

Tapio Ranta, *Lappeenranta-Lahti University of Technology (LUT), FIN*

Embracing uncertainty is the key to sustainable biomass futures

Eilidh Forster, *Drax Group, GBR*

15:30 Coffee Break

Language **English** 

Parallel Session 13

Automated Control Systems for Flexibility Provision for the Heating and Electricity Sectors*; 14:00 – 15:30

Chair: Markus Göllés, *BEST, AUT*

14:00 Opening

The session focuses on the control and automation challenges involved in providing flexibility through bioenergy technologies for the heating and electricity sectors, and is organized by *IEA Bioenergy Task 44 Flexible Bioenergy and System Integration*.


Following an introductory presentation on the technical possibilities of flexible bioenergy technologies and systems, including dynamic electricity and grid tariffs, practical examples and business models will be presented. The current status of automation interfaces will then be summarized. Finally, the next sensible steps and necessary developments, as well as the legal framework, will be discussed in a panel discussion with active audience participation.

The session is aimed at anyone interested in the flexible, cross-sector operation of energy systems, from operators and technology suppliers to researchers.

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*Sessions (co-)organized with IEA Bioenergy tasks and other projects
IEA Bioenergy Task 44

15:30 Coffee Break

Language **English** 

Thursday
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Postersession 2 (P02)

Gases, Fuels and Chemicals 1

14:00 – 15:30

Poster Session Chair: Christoph Pfeifer, *BOKU, AUT*

Optimization of a Water and Rapeseed Methyl Ester Scrubber System for Product Gas Cleaning – first evaluations in 1 MW scale

Julian Bayer, *BEST, AUT*

Feedstock flexibility in gasification and FT synthesis for the production of advanced biofuels at the Syngas Platform Vienna

Theresa Köffler, *BEST, AUT*

Investigation of the influence of different gas distribution systems on the fluid dynamics of a three-phase reactor for Fischer-Tropsch Synthesis

Benjamin Lang, *BEST, AUT*

BIG-GreenGas – Evaluation of DFB steam gasification of local biogenic residues and downstream gas cleaning to produce green gases for the Austrian gas grid

Katharina Fürsatz, *BEST, AUT*

Biological conversion of different fractions of pyrolysis condensates to bio-gas and microalgae

Lisa Bauer, *BEST, AUT*

Valorization of Algerian tomato and hot pepper wastes through gasification in a bubbling fluidized bed reactor

Fabrizio Scala, *Università degli Studi di Napoli Federico, ITA*

Enhancing mixing efficiency of high-viscosity fluids in stirred tanks for bioenergy applications: experimental and numerical insights

Hee-Jeong Choi, *BCatholic Kwandong University/Gangneung, KOR*

Modelling and investigation of the chemical pathways for sustainable aviation fuel production utilizing wood biomass

Caralambos Chasos, *Frederick University, CYP*

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Effects of volatile tar compounds on microbial methanogenesis in syngas co-digestion: Insights into acidogenic and acetoclastic pathways

Roonak Amiri, *Free University of Bozen-Bolzano, ITA*

Comparative study of micro- and pilot-scale Hydrothermal Liquefaction via differential scanning calorimetry and continuous flow reactor

Marco Baratieri, *Free University of Bozen-Bolzano, ITA*

Hydrogen production via dark fermentation – Process optimization and inoculum evaluation for green hydrogen production

Josef Hofmann, *Hochschule Landshut, GER*

Concept for an new type of Biogas Production: Small biogas plants made of textiles

Josef Hofmann, *Hochschule Landshut, GER*

To boldly go where no lignin has gone before – a modified journey

Martin Weigl-Kuska, *Holzforschung Austria, AUT*

Delignification of biomass residues using distillable ionic liquids for green chemical production

Marcell Gyurkac, *Kemijski Institut, SVN*

Non-Catalytic Conversion of Biomass Waste into Levoglucosenone and 1,4:3,6-Di-anhydro-D-Glucopyranose under Mild Dry Torrefaction Conditions

Andrii Kostyniuk, *National Institute of Chemistry, SVN*

Process-structure relationships in Kraft Lignin isolation

Matúš Majerčíak, *Slovak University of Technology, SVK*

Recycling and Sorting Technologies for Efficient Use of Renewable Resources – the REVALUE Project

Franziska Klausner, *BEST, AUT*

Language English



Bioenergy in Practice and Application 2

Parallel Session 14

Bioenergy in Europe and Austria

14:00 – 15:30

Thursday
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January

Chair: Biljana Kulisic, *European Commission, BEL*

14:00 Opening

ENplus: A Success Story for Germany and Europe
Martin Bentele, *ENplus, GER*


Current Bioenergy Trends: Sweden
Anna Törner, *Swedish Bioenergy Association (SVEBIO), SWE*

Biomass Strategy 2025–2040: A strategy for the optimal use of biomass in Austria
Lorenz Strimitzer, *Austrian Energy Agency, AUT*

Electricity Cost–Reducing Effects of Wood Heating Systems
Reinhard Haas, *TU Wien (Vienna University of Technology), AUT*

15:30 Coffee Break



Simultaneous translation  

Parallel Session 15

Biogas meets Biorefinery*

16:00 – 17:30

Chair: Sonja Siegl, *BioBase GmbH, AUT* & Bernhard Drosig, *BEST/BOKU, AUT*

Green biorefining and biogas – is there any matching?

Michael Mandl, *tbw research, AUT*

Organic acids via anaerobic fermentation: possibility for forest industry side streams?

Saija Rasi, *Natural Resources Institute Finland (Luke), FIN*

Biogas: the Swiss knife of the bioeconomy – from concept to future perspectives

Hans-Joachim Nägele, *Zurich University of Applied Sciences (ZHAW), SUI*

Biogas and biorefining at an Austrian Brewery

Bettina Muster, *AEE-Institute for Sustainable Technologies (AEE INTEC), AUT*

Pathways for multi-product valorization in the biogas process: insights from Biwi Wipptal

Manfred Gius, *Biogas Wipptal GmbH, ITA*

Enhancing pyrolysis value: converting aqueous phase byproducts into biogas

Laurent Spreutels, *National Research Council Canada (NRC), CAN*

*Sessions (co-)organized with IEA Bioenergy tasks and other projects
IEA Bioenergy Task 37+42

17:30 Closing & Networking



Parallel Session 16

Technologies for Capturing and Utilizing or Sequestering Biogenic CO₂

16:00 – 17:30

Chair: Tobias Pröll, *BOKU, AUT*

16:00 Opening

Permanent CO₂ sequestration via chemisorptive biochar: a conceptual framework for low-cost, non-cyclic CCS

Cornelius Van Tonder, *ReGenCorp Global, USA*

Direct CO₂ activation in slurry reactors – key results of InnoSyn project and applicability beyond Power-to-X

Philipp Andreas Graefe, *BEST Bioenergy and Sustainable Technologies, AUT*

Sustainable production of hydroxybenzoic acids from biomass-derived phenolics via CO₂-based carboxylation

Omar Mohammad, *Aston University (EBRI), GBR*

ECO2CELL – scalable electrolytic conversion of biogenic CO₂: a 1 MW industrial unit

Franz Gaisch, *GIG Karasek GmbH, AUT*


Biogenic CO₂ sequester – pathway to negative emissions

Michael Derntl, *Scheuch GmbH, AUT*

17:30 Closing & Networking

Thursday
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Language **English** 

Language **English** 

Parallel Session 17

Circular economy

16:00 – 17:30

Chair: Robert Obenaus-Emler, *MUL Leoben, AUT*

16:00 Opening

Bio-upcycling of plastics and metals from waste streams contributing to a circular bioeconomy

Georg Gübitz, *University of Natural Resources and Life Sciences (BOKU), AUT*

Operation of a 1 m³ pilot plant using heterogeneous waste streams for VFA production

Richard Pummer*, *BEST Bioenergy and Sustainable Technologies, AUT*

Value chain analysis of manure for nutrient recovery: a multi-level perspective

Dirisa Wakaabu, *Osnabrück University, GER*


EU Biochar LIFE „sieve residues as carbon storage in the composting cycle“

Daniela Meitner, *Next Generation Elements (NGE), AUT*

Industrial integration of thermochemical processing of agro-industrial residues via pyrolysis and gasification: full techno-economic analysis

Cornelius Van Tonder, *ReGenCorp Global, USA*

17:30 Closing & Networking

Language English 

Parallel Session 18

Modelling, Monitoring and Control

technologies; 16:00 – 17:30

Thursday
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Chair: Daniel Muschick, *BEST, AUT*

16:00 Opening

Generalized kinetic modeling for enhanced co-gasification of diverse agro-residues in air-blown downdraft gasifiers via Aspen Plus simulation

Deepanshu Awasthi, *Panjab University, IND*

Mathematical modelling of a pilot-scale pyrolysis plant and its possibilities for utilization in model-based control and monitoring

Ahmed El Hanafi, *BEST Bioenergy and Sustainable Technologies, AUT*

Advanced process control for biodiesel plants: from empirical operation to model-based autonomy

Michael Wieser, *AutomationX GmbH, AUT*


Experimental results of a digital twin for a biomass-to-gas pilot plant

Stefan Jankovic, *TU Wien (Vienna University of Technology), AUT*

Turbulent jets of fan-driven air with feedback control in a cordwood heating stove can modulate heat release and reduce emissions

David Evitt, *Aprovecho Research Center, USA*

17:30 Closing & Networking

Language English 

Postersession 3 (PO3)

Effective use of biomass/bioenergy in industrial processes & Electricity, Heat and Cold from biomass & Digital, Flexible and Hybrid Bioenergy Systems, 16:00 – 17:30

Poster Session Chair: *Christoph Schmidl, FH Wiener Neustadt, AUT*

Increasing efficiency in the use of low-grade wood fuels considering corrosion-relevant dew point phenomena

Jan Merkens, *AGRO Forst & Energietechnik GmbH, AUT*

Web Tool for Initial Assessment and Decision Support of Modernization Measures in Biomass-based District Heating Networks

Nicolas Marx, *AIT Austrian Institute of Technology GmbH, AUT*

Improving service life and efficiency of heat networks – new facts and scientific experience from the IEA-DHC Annex TS 6 for pre-insulated steel and polymer pipe systems

Christian Engel, *Armaceil Austria GmbH – Austroflex, AUT*

Dynamic Modelling of a 1 MW Advanced Dual Fluidized Bed Steam Gasification Plant for Efficient Plant Operation

Michael Kolm, *BEST, AUT*

Rheology and antibacterial activity of wood biomass-derived quaternization cellulose nanofibrils

Yoon-Hyuck Choi, *Chungbuk National University, KOR*

Biomass furnace combining updraft gasification and gas combustion

Jens Dall Bentzen, *Dall Energy Aps., DNK*

Data-based methods for diagnosing non-optimal operating conditions in biomass boilers

Kerstin Wurdinger, *DBFZ, GER*

Combined heat and power generation up to 5 MW with ORC – a cost effective and flexible solution as an alternative to the steam cycle

Philip Börgardts, *Dürr Systems AG Cyplan® ORC, GER*

Thermodynamic Simulation of an Open Sorption Process for Heat Recovery from Flue Gas

Babette Hebenstreit, *FH Vorarlberg, AUT*

Comparison of Impeller Types and Investigation of Root Causes of Fluctuations in Power Requirements at a Full-Scale Wastewater Treatment Plant

Sandra Gerz, *MCI – The Entrepreneurial School, AUT*

Energetic biomass optimization with RTS drying stations and integrated high-efficiency RTS heat pump

Philipp Unterguggenberger, *RTS Trocknungstechnik GmbH*

Precipitation efficiency of a retrofit electrostatic precipitator under real life operation of a log wood stove over two heating periods

Nico Opitz, *TFZ Straubing, GER*

Comparison of ignition mode in five log wood stoves

Claudia Schön, *TFZ Straubing, GER*

Additivation of Kaolin for CO and particulate matter emission mitigation in biomass CHP units

Theresa Siegmund, *TU Hamburg (TUHH), GER*

Carbon-negative fuels by novel thermal and chemical biomass waste conversion

Mark Langley, *WRG Europe Ltd, GB*

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Language **English**



Bioenergy in Practice and Application 3

Parallel Session 19

Modernisation and Optimisation of Biomass-Based District Heating Networks: Insights and Results from the BM Retrofit Project, 16:00 - 17:30

The BM Retrofit project demonstrates how innovative solutions can guide biomass heating plants into a climate-resilient future.

How can existing biomass heating plants be prepared for the future? This question was at the core of the BM Retrofit research project, which developed innovative technical solutions for a climate-resilient heat supply. The project team explored new approaches to operating biomass heating plants more efficiently, conserving resources, and increasing economic viability – all through a holistic and systemic perspective. The aim was to reduce emissions, enhance the use of renewable energy, and strengthen long-term security of supply.

During the workshop, participants will gain exclusive insights into the project and receive concise, practice-oriented presentations of concrete modernisation concepts.

This workshop is aimed at plant operators, planners, technology providers, municipalities, and experts from the heating sector, as well as anyone interested in the latest developments and in fostering exchange between research, technology, and practical application. In addition to compelling presentations, the workshop offers the opportunity to ask questions directly and build valuable connections.

16:00 Opening

Host: Isabella Weichselbraun, *StadtLabor, AUT*

Impulse: The heating sector as a driver of the energy transition
Ludwig Fliesser, *Green Energy Lab, AUT, (5 min)*

Modernisation concepts for biomass-based district heating networks in the BM Retrofit project

Joachim Kelz, *AEE INTEC, AUT, (10 min)*

Presentation of implemented solutions:

Utilising waste heat from hydropower: Heat pump, power-to-heat and thermal storage as key components for a flexible heating system in Wald im Pinzgau

Martin Lindinger, *Salzburg AG, AUT, (20 min)*

Efficiency improvements in biomass-based heat generation in Saalfelden through a cascading heat pump concept and innovative control strategies

Christian Pügl-Pichler, *Salzburg AG, AUT, (20 min)*



Technology meets economics: Efficiency and cost optimisation in the biomass district heating network in Kreuzstetten

Christoph Walla, *Equans Energie, AUT, (20min)*

Panel discussion with the speakers (15 min)

17:30 Coffee Break

Thursday
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Simultaneous translation  

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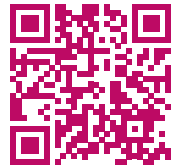
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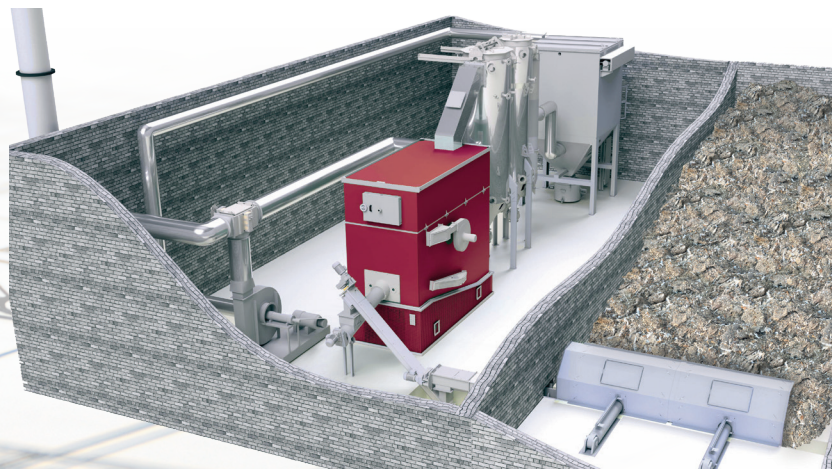


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Parallel Session 20

Gasification of Biogenic Residues,

09:00 – 10:30

Chair: Jitka Hrbek, *BOKU, AUT*

09:00 Opening

Demonstration of dual fluidized bed gasification and Fischer–Tropsch synthesis of coconut shells at the Syngas Platform Vienna
Thomas Karl Hannl, *BEST Bioenergy and Sustainable Technologies, AUT*

Gasification-centered circular valorization of wood packaging waste – insights from the FRONTSH1P project
Vittoria Benedetti, *University of Trento, ITA*

Evaluation of the flue gas components in a dual fluidized bed steam gasifier using biomass and waste feedstocks
Daniel Hochstöger, *BEST Bioenergy and Sustainable Technologies, AUT*

Operational experience with a two-stage bubbling fluidized bed gasifier for mixed waste wood feedstock
Michael Kresta, *MCI Management Center Innsbruck, AUT*

Energy efficiency analysis in the gasification of solid digestate fraction from the anaerobic digestion of agricultural waste
Dimitris Mertzis, *BIO2CHP – Bio-based Energy Technologies P.C., GRC*

10:30 Coffee Break

Language **English** 

Parallel Session 21

Green Carbon Frameworks,

09:00 – 10:30

Chair: Rebecca Hood-Nowotny, *BOKU, AUT*

09:00 Opening

Biochar – Biocoal – Biocarbon – actual international standardisation activities
Josef Rathbauer, *HBLFA Francisco Josephinum, AUT*


The climate change mitigation potential of biochar
Annette Cowie, *NSW Department of Primary Industries, AUS*

Paradigm shift: how green carbon is transforming the role of wood energy
Marcel Huber, *SynCraft GmbH, AUT*

Carbon credits with biochar: framework conditions for certification of biochar carbon removals
Gerhard Soja, *University of Natural Resources and Life Sciences (BOKU), AUT*

New biochar/biocarbon quality analysis approach for process parameter evaluation
Manuel Schwabl, *BEST Bioenergy and Sustainable Technologies, AUT*

10:30 Coffee Break

Language **English** 

Friday
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Parallel Session 22

Biomass Resources and Logistics

09:00 – 10:30

Chair: Karl Stampfer, *BOKU, AUT*

09:00 Opening

Earth observation-based forest biomass intelligence for Europe: closing the gap for resilient and sustainable bioenergy supply chains
Sebastian Vogler, *Beetle ForTech GmbH, AUT*


Second-generation bioenergy crops in Austria: yield potential, eco-system services and policy implications in a changing climate
Dagmar Nadja Henner, *Univ. Graz, Wegener Center for Climate and Global Change, AUT*

Space4AD: energy spatial planning to determine new biogas plant locations based on non-EO and Sentinel-2 data
Richard Zweiler, *Güssing Energy Technologies GmbH (GET), AUT*

Comparative optimization of centralized and decentralized supply chains for sustainable aviation fuel production in the EU-27
Stavroula Zervopoulou, *TU Wien (Vienna University of Technology), AUT*

Exploring new business fields for the feed industry: Mobilizing biomass potentials for the bioeconomy
Karoline Fürst, *Deutsches Biomasseforschungszentrum (DBFZ), GER*

10:30 Coffee Break

Language **English** 

Parallel Session 23

DHC and CHP, 09:00 – 10:30

Chair: Katharina Fürsatz, *BEST, AUT*

09:00 Opening

System evaluation of retrofitting concepts for biomass-based district heating networks
Martin Beermann, *JOANNEUM Research, AUT*


Reducing biomass use in Austria's district heating systems through targeted retrofitting
Aadit Malla, *TU Wien (Vienna University of Technology), AUT*

Cost-effective, robust and resource-saving exhaust gas aftertreatment systems for wood gas combined heat and power plants
René Bindig, *Deutsches Biomasseforschungszentrum (DBFZ), GER*

Transferring quality management to large DHC systems: a pathway to sustainable biomass integration
Christian Ramerstorfer, *AEE INTEC – Institute for Sustainable Technologies, AUT*

The NEW HEPOCH project – a new paradigm for polygeneration of heat, power and biochar through gasification
Francesco Patuzzi, *Free University of Bozen-Bolzano, ITA*

10:30 Coffee Break

Language **English** 



Postersession 4 (PO4) Gases, Fuels and Chemicals 2 & BioCCS and BioCCU

09:00 – 10:30

Poster Session Chair: Franziska Müller-Langer, *DBFZ, GER*

Development of a Lab-Scale Alcohol Synthesis Plant
Imanuel Wustinger, *BEST, AUT*

BIOFIZZ – Provision of Biogenic CO₂ via Temperature Swing Adsorption
for the Food and Drink Industry
Bernhard Kronberger, *CONENGA Group GmbH, AUT*

Carbon Capture for Small-Scale Biomass Boilers: Energy Integration,
Solvent Degradation, and Digital Twin Development
Anne Mette Frey, *Danish Technological Institute, DNK*

Energy Distribution Analysis in Continuous Single-Pellet Pressing of
Norway Spruce Fractions
Jonas Berghel, *Karlstad University, SWE*

Pyrolysis behavior comparison of wood samples using simultaneous
thermal analysis and evolving gas analysis
Simon Moll, *Montanuniversität Leoben, AUT*

CHAR:ME: biochar and biomass-derived waste products as sustainable
fuel
Matteo Pelucchi, *Politecnico di Milano, ITA*

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Fixed-Bed Calcium Looping with Natural Calcium Sorbents for Post-
Combustion CO₂ Capture
Matthias Krall, *TU Graz, AUT*

Photocatalytic Lignin Valorisation – Producing Green Hydrogen
Thomas Frater, *TU Wien, AUT*

CARBIOW project – Carbon Negative Biofuels from Biowaste
Ali Hedayati, *IVL Svenska Miljöinstitutet, SWE*

Zero-Emission Mobility in the Agricultural Sector by Decentralized
Hydrogen Production from Biomass
Stefan Müller, *TU Wien, AUT*

The NET-Fuels Project: Integrating Oxyfuel Combustion for Climate-
Positive Hydrogen and Syngas
Felix Lehner, *Fraunhofer UMSICHT, GER*

IEA Bioenergy Task 34 – A Global Hub for Biomass Liquefaction Re-
search and Collaboration
Alexandra Böhm, *Karlsruhe Institute of Technology (KIT), GER*

Zero-Emission Mobility in the Agricultural Sector by Decentralized
Hydrogen Production from Biomass
Stefan Müller, *TU Wien, AUT*

Bioenergy in Practice and Application 4

Parallel Session 24 Biofuels in Practice

09:00 – 10:30

Chair: Dina Bacovsky, *BEST, AUT*

09:00 Opening

Overview of biofuel technologies and their market deployment
Alexander Bachler, *Austrian Chamber of Agriculture (LK Austria), AUT*

Contribution of biomass to meeting future fuel demand
Kati Görsch, *Deutsches Biomasseforschungszentrum (DBFZ), GER*

Performance and emission characteristics of biofuel-powered tractors
Peter Emberger, *Technology and Support Centre Straubing (TFZ), GER*

Biofuels – Practical Experience from a User's Perspective
tbd.

10:30 Closing

Friday
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Language **German** 

Parallel Session 25

Gasification of Biogenic Residues,

11:00 – 12:30

Chair: Jitka Hrbek, *BOKU, AUT*

11:00 Opening

Evaluation of an electrically heated bubbling fluidized bed for gasification
Theresa Brunauer, *University of Natural Resources and Life Sciences (BOKU), AUT*

Optimization of a multi fluidized bed reactor system based on cold flow modelling
Gregor Karte, *University of Natural Resources and Life Sciences (BOKU), AUT*

Novel steam reforming catalyst for low-temperature tar reforming in bio-syngas: first real gas test results and their impact on further advances in hot gas cleaning
Manfred Nacken, *C&CS Catalysts and Chemical Specialties GmbH, GER*

Investigation of Tar Distribution in Product Gas of a 1MW Advanced Dual Fluidized Bed Steam Gasification Demo Plant
Anna Egger, *BEST Bioenergy and Sustainable Technologies, AUT*

Enhanced Carbon-to-X-output technology – an advanced technology for hydrogen-rich syngas production using staged gasification
Wolfgang Gebhard, *Fraunhofer UMSICHT, GER*

12:30 Lunch Break

Language **English** 

Parallel Session 26

Green Carbon in Technologies and Applications, 11:00 – 12:30

Chair: Elisabeth Wopienka, *BEST, AUT*

11:00 Opening

Biochar in anaerobic digestion: a solution to acidification?
Jana Schultz, *Hamburg University of Technology (TUHH), GER*


The potential use of sewage sludge biochar in green roof substrates for P recovery and carbon sequestration
Ferdinand Hartmann, *University of Natural Resources and Life Sciences (BOKU), AUT*

Integrated biochar and bioactive oil production from vineyard residues: a process-oriented pathway for sustainable agriculture
Gregor Tondl, *University of Natural Resources and Life Sciences (BOKU), AUT*

Feedstock-flexible autothermal mobile pyrolysis system for novel residue valorization approach
Michael Fahrngruber & Peter Illecker, *BEST Bioenergy and Sustainable Technologies, AUT*

Biographite production from biomass and its economic assessment
Sunkyu Park, *North Carolina State University, USA*

12:30 Lunch Break

Language **English** 

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Parallel Session 27

Bioenergy in Industrial Processes

11:00 – 12:30

Chair: Markus Lehner, *MUL Leoben, AUT*

11:00 Opening

Evaluation of spruce bark extract for reducing gas formation and bacterial growth in recycled pulp: results from pilot testing and technology transfer in the BSR region

Mehrdad Arshadi, *Swedish University of Agricultural Sciences, SWE*

The Role of Biomethane in Decarbonizing Austria's Industry – Potential analysis for a substitution of fossil gas demand for industrial processes in a temperature range of > 200°C with biomethane from existing biogas and biomethane plants in Austria

Alexander Bauer, *University of Natural Resources and Life Sciences (BOKU), AUT*

Andritz torrefaction – full-scope solution for coal replacement in the cement industry

Christof Juritsch*, *Andritz AG, AUT*


Sewage sludge for seasonal energy storage

David Wöb, *University of Natural Resources and Life Sciences (BOKU), AUT*

Integrated Small-Scale Combined Heat and Power Generation from Biomass

Mark Kaslatner, *COR Energy, AUT*

12:30 Lunch Break

Language English 

Parallel Session 28

Efficient, Low Emission Small-Scale Boilers, Stoves and Mini-CHPs,

11:00 – 12:30

Chair: Babette Hebenstreit, *FHV, AUT*

11:00 Opening

Do residential pellet stoves need a separate pellet quality beside ENplus A1?

Robert Mack, *Technology and Support Centre (TFZ) at the Competence Centre for Renewable Resources, GER*

Predicting NOx emissions from biomass boilers through a combined CFD – chemical reactor network approach

Michael Ebl, *BEST Bioenergy and Sustainable Technologies, AUT*

Development of a fuel-flexible micro-CHP with a multifuel burner and a micro steam turbine

Robert Scharler, *Graz University of Technology (TU Graz), AUT*


Emissions from small-scale biomass appliances during Real-LIFE operation

Claudia Schön, *Technology and Support Centre (TFZ) at the Competence Centre for Renewable Resources*

Green cooking in Zambia: a study of advanced stove combustion with biomass pellets

Magnus Stahl, *Karlstad University, SWE*

12:30 Lunch Break

Language English 

Friday
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Postersession 5 (P05) Sustainability, Circular Economy and Politics, 11:00 – 12:30

Friday
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Poster Session Chair: Marlies Hrad, *BOKU, AUT*

In-depth evaluation of Austria's district heating price transparency and influencing factors to strengthen biomass-based heat supply
Stefan Retschitzegger, *AEE Intec, AUT*

Decarbonising European DHC networks – the ENABLE DHC project
Stefan Retschitzegger, *AEE Intec, AUT*

Radiological assessment of biomass ash – from fuel characterization to practical applications in a circular economy context
Viktoria Herzner, *AGES, AUT*

Sustainable biodiversity – effects of increased use of wood in construction
Soren Riis Dietz, *Architekt MAA, NOR*

Assessment of the global warming potential of synthetic natural gas produced via biomass gasification with LCA
Doris Matschegg, *BEST, AUT*

Prioritizing Bioeconomy Alternatives in Central and Eastern Europe
Silvia Schütz, *BOKU, AUT*

MethaMin – Minimising methane emissions from manure storage
Franziska Schäfer, *DBFZ, GER*

Methane emissions from digestate storage
Lukas Knoll, *DBFZ, GER*

Developments in Bioenergy Research in Germany – Experiences and Impulses from the 'Biomass to Energy' Funding Programme
Tina Häudler, *DBFZ, GER*

Activated Carbon from Biomass Gasification as a Circular Economy Solution for Hydrogen Production
Stefano Piazzi, *Free University of Bozen-Bolzano, ITA*

Ecodesign and Market Surveillance for Solid Fuel Local Space Heaters and Boilers
Lukas Sulzbacher, *HBLFA Francisco Josephinum, AUT*

The baseboard heating system as an efficient, environmentally friendly, and low-cost method for renovating old buildings
Felix Mayrhofer-Grünbühel

Dynamic LCA to Assess Climate Neutrality and Circularity of Biofuels – A Case Study Comparing Different Energy Carriers for Trucks
Gerfried Jungmeier, *JOANNEUM Research, AUT*

GHG emissions from the production of advanced biofuel using waste wood integrated in a large scale steel mill
Maria Hingsamer, *JOANNEUM Research, AUT*

Decentralized Waste-to-X [Electricity, Heat, Agripellet, Biochar and Wood distillate]: the circular approach for negative-CO2 farmers
Lorenzo Pezzola, *Yanmar R&D Europe S.r.l., ITA*

Bioenergy in Practice and Application 5

Parallel Session 29

Bioenergy and Forestry in Practice

11:00 – 12:30

Chair: Lorenz Strimitzer, *AEA, AUT*

11:00 Opening

Cascading use of bioenergy in practice

Kasimir Nemestothy, *Austrian Chamber of Agriculture (LK Austria), AUT*

Biomass vs. habitat wood – an economic decision or a question of belief?

Martin Krondorfer, *FAST Pichl, AUT*

Benefits of bioenergy for forestry, energy and climate policy

Paul Ehgartner, *Federal Ministry of Agriculture, Forestry, Climate and Environmental Protection, Regions and Water Management (BMLUK), AUT*

The top arguments against bioenergy – and how to respond

Christian Metschina, *Agricultural Chamber of Styria (LK Styria), AUT*

12:30 Closing & Lunch Break

Friday

23.

January



Language German





Biowatt



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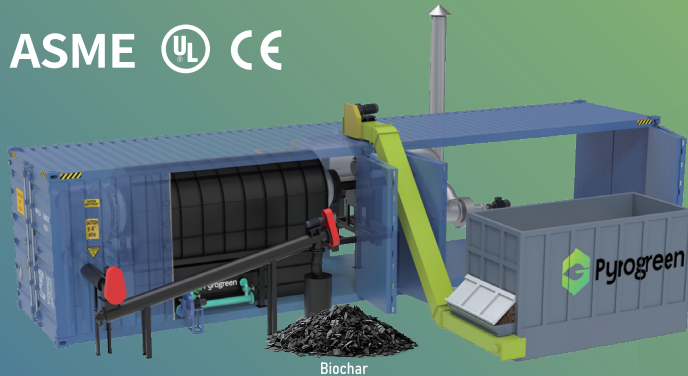
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- Project 5: 1MW Wood Waste Gasification Power Plant in Taiwan 2024
- Project 6: 1MW Wood Waste Gasification Power Plant in Indonesia 2024
- Project 7: 500KW Wood Waste Gasification Power Plant in Taiwan 2025

Poster Presentations, Foyer

Selected conference contributions and projects will be presented within a poster presentation. The following topics will be presented in detail:

- Resources, Yield Enhancement and Logistics
- Sustainability, Circular Economy and Policy
- Electricity, Heat and Colds
- Gases, Fuels and Chemicals
- Digital, Flexible and Hybrid Bioenergy Systems
- Green Carbon
- BioCCS and BioCCU
- Effective Use of Biomass / Bioenergy in Industrial Processes

The poster exhibition takes place in the foyer of the Messe Congress Graz and is accessible throughout the conference days (22nd and 23rd of January, 2026).

Furthermore, there will be guided poster sessions, which enable the visitors of the conference to ask their questions to the scientists directly.



Thursday
22.
January

09:00–10:30 Uhr
14:00–15:30 Uhr
16:00–17:30 Uhr

Friday
23.
January

09:00– 10:30 Uhr
11:00–12:30 Uhr

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Conference Information



Date

21st to 23rd of January, 2026

Conference languages

Language **English** 

Language **German** 

Simultaneous translation  

Registration

Wednesday, 21st of January, 2026, from 07:30 on

Thursday, 22nd of January, 2026, from 08:00 on

Friday, 23rd of January, 2026, from 08:00 on

Organization

Austrian Biomass Association

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Arrival

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Messe Congress Graz: Floor Map

The rooms for the 8th Central European Biomass Conference **CEBC2026** are located on the 1st floor of the Messe Congress Graz. You can reach the registration and the conference rooms with an escalator.



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Registration

Online

Register easily online for the

8th Central European Biomass Conference CEBC2026.

Please find the online registration at: www.cebc.at.

Registration form

You can also simply fill in the attached registration form and send it via post to the Österreichischen Biomasse-Verband, Franz Josefs-Kai 13, 1010 Vienna or via Fax to +43 (0) 1/533 0797-90.

Closing date of registration

Friday, 16th of January, 2026 at 12:00

Bank details

Please transfer your conference contribution until 16th of January, 2026 to our bank account (you need to state your name and the invoice number):

Raiffeisenlandesbank Niederösterreich und Wien

IBAN: AT43 3200 0061 0047 0153

BIC: RLNWATWW

(please specify the charge distribution)

In case of payment at the conference pay desk on one of the conference days, a surcharge of 20% will be added. Please note that your registration is valid only, if the registration fee is fully paid!

Conference fees

Conference programme

1. Conference Day, 21st of January, 2026 EUR 250,-
2. Conference Day, 22nd of January, 2026 EUR 350,-
3. Conference Day, 23rd of January, 2026 EUR 250,-

Excursions

Excursion I–III: 21st of January, 2026, 08:30–18:30 each EUR 70,-

Conference dinner

Conference dinner: 22nd of January, 2026, 19:30 EUR 80,-

All-In-Package

All-In-Package (Conf. Day 1–3, incl. Dinner) EUR 700,-

All-In-Package II (Conf. Day 2+3, incl. Dinner) EUR 600,-

Discounts*

Pupils. (per conference day) EUR 10,-

Students (< 25 years) (per conference day) EUR 50,-

Prices incl. conference proceedings, lunch and coffee breaks, excl. excursions and conference dinner.

*In case of a discount, please contact us by email at office@biomasseverband.at or via phone +43 (0)1/533 0797, so that we can then send you your exclusive coupon code.

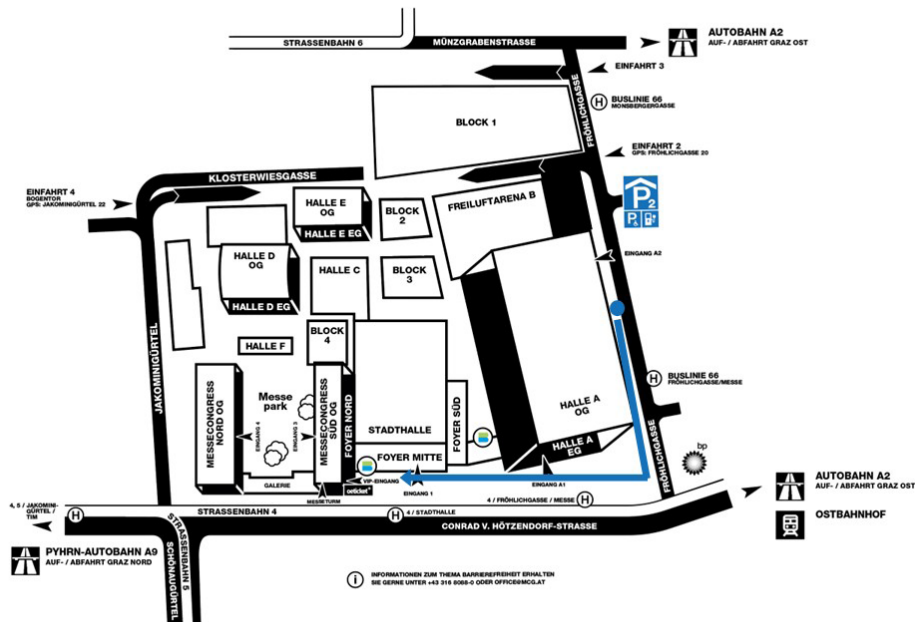
Messe Congress Graz: Route Map

Arrival by train: Central Station Graz - Tram 1, 3, 6 or 7 to Hauptplatz - Tram 4 or 5 to Stadthalle or Jakominigürtel/Messe

Arrival by car: see image below

Arrival by plane: Airport Graz-Thalerhof (distance of 10km)

Please use public transport in order to protect our environment.



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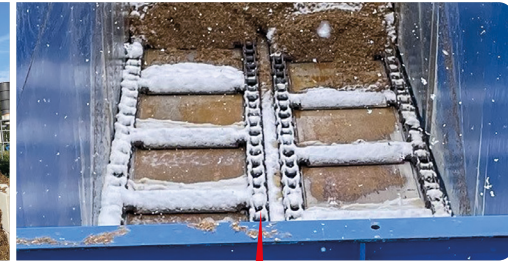


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The 8th Central European Biomass Conference offers you the opportunity to present your company and your latest products in the best spotlight possible. You can choose from three carefully designed sponsoring packages (Gold, Silver, Bronze), varying in terms of the presentation scope of your company, the press area and the display in the conference materials (programme and proceedings). Additionally, you can participate with our Logo Special, which enables you to present your logo to a large international audience, even if you cannot attend the conference itself.

Our sponsoring packages give you the chance to ...

- target a cross-national audience
- connect with policy makers from all over Europe
- present your company at the most important bioenergy event in Central Europe
- display your company's image and accountability to customers
- benefit from new market opportunities and trends



Partnerships

Media companies, associations and educational institutions can participate in the CEBC2026 in the form of official conference partnerships. Our partnerships guarantee you valuable business opportunities and an excellent networking environment.

Media-Cooperations

- Logo on the programme, in the conference proceedings and on the website
- Free display of your paper at the conference in the media office
- A0-poster presentation of your paper in the poster exhibition corner
- Reader tours to the CEBC
- Free admission to the conference

Association-Cooperations

- Organization of workshops (lecture rooms, incl. equipment & catering at cost price)
- Groups of more than 20 people: Organization of lectures & excursions
- Logo on the programme, in the conference proceedings and on the website
- A0-poster presentation of your association in the poster exhibition
- Association trips to the CEBC

Educational Institution Partnerships

- Logo on the programme, in the conference proceedings and on the website
- Free admission (excl. meals) for groups of 10 students and more
- A0-poster presentation of your institution in the poster exhibition corner

Become a partner of the conference!

If you do have any questions, please contact:
gabauer@biomasseverband.at
Phone: +43 (0) 1 533 0797-28

8th Central European Biomass Conference CEBC2026



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mein-steirerstrom.at

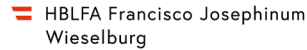
Our Media Partners:



Zeit(ung) zur Energiewende



Our Educational Institution Partners:



Our Expo Partners:



Our Association Partners:



I want to register for the following events of the CEBC2026 programme:

Conference programme

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Prices incl. conference proceedings, lunch and coffee breaks, excl. excursions and conference dinner.

My entire conference fee is _____ Euro.

Please transfer your conference contribution until **16th of January, 2026** to our bank account. In case of payment at the conference pay desk on one of the conference days, a surcharge of 20% will be added.

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Organisation: _____ E-Mail: _____

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Franz Josefs-Kai 13/4

1010 Vienna



**Central European Biomass
Conference CEBC2026**
21st to 23rd of January, 2026, Graz

Registration

An event by:



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EGGER POW AIR

Auszeichnung im Rahmen von 20 Jahre QM Heizwerke in Österreich durch BMLUK und klimaaktiv Heizwerke und Wärmenetze

Saal 2, 10:30 – 11:00

Donnerstag
22.
Januar

Im Rahmen der 8. Mitteleuropäischen Biomassekonferenz CEBC2026 zeichnen Bundesminister Norbert Totschnig (BMLUK) und klimaaktiv Heizwerke und Wärmenetze Pioniere und Vorzeigeprojekte anlässlich des Jubiläums 20 Jahre QM Heizwerke in Österreich aus. Prämiert werden Pioniere in der Umsetzung des Qualitätsmanagements in Österreich und Vorzeigeprojekte, die den höchsten technischen und wirtschaftlichen Effizienzkriterien entsprechen, besonders auch aufgrund des vorbildlichen Engagements der AnlagenbetreiberInnen.

QM Heizwerke ist ein österreichweites Qualitätsmanagementprogramm für Heizwerke und Wärmenetze, das in Zusammenarbeit mit der internationalen Arbeitsgemeinschaft QM Holzheizwerke ständig weiterentwickelt wird. Die Teilnahme daran ist für alle Anlagen ab zehn Abnehmern und einem Wärmeverkauf von mindestens 800 MWh/a für den Erhalt von Umweltförderungen in Österreich verpflichtend. Das Managementsystem zielt darauf ab, durch die begleitende Qualitätskontrolle bei Planung, Errich-

tung und Anlagenbetrieb die technische Qualität und Effizienz der Anlagen nachhaltig zu steigern.

AEE – Institut für Nachhaltige Technologien (AEE INTEC) leitet im Auftrag des BMLUK das klimaaktiv Heizwerke und Wärmenetze Programm. Zentrale Bestandteile stellen neben dem Management und der Weiterentwicklung von QM Heizwerke die Weiterbildung von Qualitätsbeauftragten, PlanerInnen und BetreiberInnen, sowie der Know-how-Transfer und die Vernetzung aller Stakeholder dar.

Sprache Deutsch

