

# Conference GUIDE

## World Sustainable Energy Days 2026

Programme • Locations • Logistics



### WELCOME!

The conference organiser OÖ Energiesparverband is very pleased to welcome you to the World Sustainable Energy Days 2026! We very much hope that you will enjoy your stay and benefit from your participation in the conference. We would hereby like to provide you with further information to help you make the most out of your stay in Wels!

	Tuesday, 24 February		Wednesday, 25 February			Thursday, 26 February			Friday, 27 February	
	Morning	Afternoon	Morning	Afternoon	Evening	Morning	Afternoon	Evening	Morning	Afternoon
<b>Pellet Conference</b>					Minoriten					
<b>Energy Efficiency Policy Conference</b>								Welios		
<b>Industrial Energy Transition Conference</b>								Welios		
<b>Smart E-Mobility Conference</b>										
<b>Energy Communities Workshop</b>				Welios	Minoriten					
<b>Young Energy Researchers Conference</b>										
<b>Poster Presentation</b>										
<b>Tradeshow</b>										
<b>Conference Dinner</b>					Minoriten			Welios		

### IMPORTANT CONFERENCE INFORMATION

We kindly ask for your cooperation:

- Please wear your name tag during all conference events.
- Return your headsets whenever you leave the conference hall.

Thank you very much!



## Registration and conference office

As soon as you arrive at the conference venue, please **register at the conference office in the "Stadthalle"**! We are happy to assist you there and provide all relevant information about the conference, including conference proceedings (USB-stick), and your name tag. Registration for conference participants is on the right-hand side (when you enter the Stadthalle). Registration for speakers, chairpersons and posters is on the left-hand side.

### Conference office hours

Tuesday	24 February	8.00 - 18.15
Wednesday	25 February	8.00 - 18.15
Thursday	26 February	8.00 - 18.15
Friday	27 February	8.00 - 13.00



As it might get crowded on Wednesday, Thursday and Friday mornings, we recommend to arrive early. Once you are registered, coffee is available on the 1<sup>st</sup> floor from 8.00-9.00.

**Free WIFI:** Stadthalle: HOTSPOT Stadthalle, no password; Minoriten: CSO, password: minoriten1606; Welios: WELIOS-MA, password: knT51fMo. At peak times, WIFI availability might be limited, thanks for your understanding!

### Coffee breaks, lunches and conference dinners:

- During the coffee breaks, coffee is served on the 1<sup>st</sup> floor of the Stadthalle (please use both stairs).
- Lunch is served on the 1<sup>st</sup> floor of the Stadthalle.
- Dinner takes place in the Stadthalle on Tuesday, in the Minoriten on Wednesday, and in the Welios on Thursday.
- At all meals, we also offer vegetarian and vegan dishes and we value regional, organic and Fair-Trade certified food.
- To avoid packaging waste, there is fresh drinking water available at several points. Also, tap water is drinkable in Austria.

**Social Media #WSED:** We would be happy if you shared your conference updates with your networks! We provide photo opportunities at several points (e.g. giant letters in the conference hall, selfie boards in front of the conference stage during the breaks, selfie frames).

**Conference languages:** For sessions in the Stadthalle on Wednesday, Thursday and Friday, simultaneous interpretation English/German is provided (presentations are held either in English or in German). The session in the Welios will be in English only.

**Cash machine:** The next cash machines are in Hall 20 on the fairground and at the "Gerstl Haus", Pollheimerstraße 7, next to the Stadthalle (when you leave the Stadthalle, turn left, 3 minute walk).

**Tourist information:** The "Wels Info" (+43-7242-67722, Stadtplatz 44, Wels) will be pleased to assist you with touristic information.

**Taxi:** In case you need a taxi, please call for example one of the following numbers: +43-7242-311007 (Taxi Bond), +43-7242-3010 (Funk Taxi 3010), +43-7242-911-811 (City Taxi Wels), +43-7242-214-021 (Taxi4You), +43-7242-313-01 (King Taxi), +43-676-780-02-25 (Taxi Phoenix), +43-7242-3080 (Orange Taxi), +43-7242-234 (Funk 234, cash only), Taxi Wels 2024 (+43-7242-2024)

### **Transfer between Wels main train station and Stadthalle**

- free shuttle train between the fairgrounds and main train station (details and schedule page 12)
- walk (20-30 minutes) from the main train station to the Stadthalle (see City Map Wels page 12)
- taxi (normally 10 minutes, but traffic jams frequently occur during the tradeshow)

### **Parking and charging (see page 13)**

The following paid parking options are located in the immediate vicinity of the Stadthalle:

- Fairgrounds: Parking "Festwiese", Messegelände 87, 4600 Wels: There is a limited number of free parking spots available for WSED participants (please show your name tag or your confirmation of registration), otherwise 5 Euro/day, cash only
- Parking garage "Gerstl Haus": Pollheimerstraße 7, 4600 Wels (appr. 12 Euro/day)
- Charging points for electric cars can be found, for example, in front of Hall 19 and in the Parking "Festwiese" (further charging points and map see page 13).

Due to the tradeshow, there will be heavy traffic and traffic jams on 26 and 27 February. Therefore, we recommend - if possible - to travel by train instead of taxi/car or to start early.

We wish you a very pleasant and successful stay at our conference!

Yours sincerely



Christiane Egger, Conference Director and  
Christine Öhlinger, Karin Danner, Karin Krondorfer,  
Andrea Zieher, Claudia Venus, Katharina Nußböck,  
Daniela Schlagnitweit, Ulrike Haghofer, Elisa Biermeier and  
the whole conference team



### **Conference Proceedings**

The WSED USB drive in your conference bag contains many presentations and papers from speakers of the World Sustainable Energy Days. Take a look!



## Programme overview

### Events of the EUROPEAN PELLETT CONFERENCE

#### EUROPEAN PELLETT CONFERENCE

Wednesday, 25 February, 9.00 - 18.00

#### YOUNG BIOMASS RESEARCHERS CONFERENCE

Tuesday, 24 February, 14.30 - 18.30

A conference presenting the work of young energy researchers

#### CONFERENCE DINNER

Wednesday, 25 February, Minoriten, from 18.30 (buffet dinner), no separate registration is necessary

### Events of the EUROPEAN ENERGY EFFICIENCY CONFERENCE

#### ENERGY EFFICIENCY POLICY CONFERENCE

Thursday, 26 February, 9.00 - 13.00

#### INDUSTRIAL ENERGY TRANSITION CONFERENCE

Thursday, 26 February, 14.00 - 18.00

#### SMART E-MOBILITY CONFERENCE

Friday, 27 February, 8.45 - 13.00

#### WORKSHOP ENERGY COMMUNITIES

Wednesday, 25 February, 14.00 - 18.00

#### YOUNG ENERGY EFFICIENCY RESEARCHERS CONFERENCE

Tuesday, 24 February, 9.00 - 13.30

A conference presenting the work of young energy researchers

#### CONFERENCE DINNER

Thursday, 26 February, Welios, from 18.30 (buffet dinner), no separate registration is necessary

### POSTER PRESENTATION

- Tuesday - Friday (24 - 27 February) on the 1<sup>st</sup> floor of the Stadthalle
- About 80 posters on renewable energy and energy efficiency (including peer-reviewed posters by young energy researchers) can be visited during the coffee and lunch breaks, but not during the conference sessions as all noise can be heard in the conference hall.

## TRADESHOW

- Leading tradeshow on energy efficiency in buildings and renewable energy with a focus on renewable heating and building materials (2025: 70,000 visitors, on the fairgrounds)
- Participants of the WSED can enter the fairgrounds for free with their WSED name tag (on conference days)
- Opening times:
  - Wednesday - Sunday (25 February - 1 March), opening hours: 9.00 - 17.00
  - Wednesday: halls 20 and 21 are open, Thursday: full exhibition in halls 20-22 (professional visitors' day)
  - Friday to Sunday: tradeshow open to the general public (it can get very crowded)
- Austrian companies and international companies present their latest product innovations
- At its stand in Hall 20, OÖ Energiesparverband offers a range of information services.



### Hall 20 Energy

- **stand of OÖ Energiesparverband**  
comprehensive information for homeowners, businesses and municipalities, special exhibitions on "Energy Communities" and "Insulation Materials".
- **heat pumps, bioenergy, PV**

### Hall 21

- **special exhibition "Electric Cars"**  
A variety of new EV models are presented.

## Conference locations



All participants have to register first at the conference office in the STADTHALLE. You will receive a name tag which will give you access to the conference venues, the dinners and the tradeshow.

### Stadthalle

- registration for all WSED events and conference office
- venue of all conferences, except the Workshop Energy Communities
- Pollheimerstrasse 1, A-4600 Wels
- located directly next to the fairgrounds
- approx. 20 - 30 minutes walk from the Wels main train station



[Google Maps](#)



### Welios

- Science Centre, located next to the Stadthalle
- venue of the the Workshop Energy Communities
- conference dinner on Thursday from 18.30



[Google Maps](#)



### Minoriten

- approx. 10 minutes walk from Stadthalle
- located at the "Stadtplatz" in the city centre of Wels
- conference dinner on Wednesday from 18.30



[Google Maps](#)



### Hall 20 on the fairgrounds

- approx. 10 minutes walk from Stadthalle
- stand of OÖ Energiesparverband
- many exhibitors showing bioenergy boilers, heat pumps and PV



[Google Maps](#)



**The WSED will be back in 2027!**

# World Sustainable Energy Days 2027

**2 – 5 March 2027  
WELS, Austria**

**CALL FOR PAPERS:  
9 OCTOBER  
2026**

## **CONFERENCES:**

- European Energy Efficiency Conference
- European Pellet Conference
- Young Energy Researchers Conference
- Energy Efficiency Policy Conference
- Industrial Energy Transition Conference
- Smart E-Mobility Conference

## **BE PART OF IT:**

- Participate in the Call for Papers & Speakers
- Organise a stakeholder delegation trip

**[www.wsed.at](http://www.wsed.at)**



# World Sustainable Energy Days 2026

	Tuesday 24 February	Wednesday 25 February	Thursday 26 February	Friday 27 February
European Pellet Conference				
Energy Efficiency Policy Conference				
Industrial Energy Transition Conference				
Smart E-Mobility Conference				
Workshop Energy Communities				
Young Energy Researchers Conference				
Poster Presentation				
Tradeshow				

## European Pellet Conference

### Wednesday, 25 February, Stadthalle

#### 09.00 Pellet Update Session: What is new in pellet policies and markets?

##### Opening and welcome

Deputy Mayor Gerhard Kroiß, in representation of Mayor Andreas Rabl, City of Wels, Austria  
Gerhard Dell, OÖ Energiesparverband, Austria

##### Updates on EU bioenergy policies

Biljana Kulišić, European Commission, DG Energy

##### Bioenergy's role in the energy transition

Andrew Klain, International Energy Agency

##### Best Young Biomass Researcher Award

##### Pellet markets in Europe: current developments and outlook

Gilles Gauthier, Hawkins Wright, Belgium

##### Pellet heating: the heart of an intelligent home energy system

Stefan Ortner, ÖkoFEN, Austria

##### Biomass supply chains between markets and geopolitics

Magnus Schou, CM Biomass, Denmark

Chair: Gerhard Dell, OÖ Energiesparverband, Austria

Coffee break

#### 11.30 Discovery Session: Pellets – energy and more!

##### Biomass beyond heat and electricity

Franziska Klauser, BEST, Austria

##### Bioenergy with carbon capture and storage or utilisation (BECCUS): From innovation to deployment

Niels Christian Bang, IEA Bioenergy/Ea Energy Analyses, Denmark

##### Energy or materials? Why biomass for energy will also make sense in the future

Hubert Röder, HSWT - University of Applied Sciences, Germany

##### The European Biochar Market Report

Hansjörg Lerchenmüller, Biochar Europe, Germany

##### More than heating – pellets as a carbon sink

Christoph Ebetshuber, GUNTAMATIC Heiztechnik, Austria

Chair: Christiane Egger, OÖ Energiesparverband, Austria

8 Lunch and networking

### Wednesday, 25 February, Stadthalle

#### 14.00 Pellet Innovation Session

##### Innovative pellet solutions from Upper Austria

- Herbert Schwarz, Hargassner, Austria  
- Werner Emhofer, Fröling, Austria

##### Wood pellets in arctic communities – climate, economic and social benefits

Fahimeh Yazdan Panah, Wood Pellet Association of Canada

##### Pellet certification - trace it, trust it!

Carsten Huljus, Sustainable Biomass Program (SBP), UK

##### Insights from 15 years ENplus for wood pellets

Hans Martin Behr, Deutsches Pelletinstitut, Germany

##### Pellet quality requirements for residential pellet stoves

Robert Mack, Technologie- und Förderzentrum (TFZ), Germany

##### Safe storage of wood pellets – how to detect and prevent self-heating

John Swaan, FutureMetrics, Canada

##### Small-scale carbon capture at a woodchip-fired power plant

Ivan Derkink, Bright Renewables, The Netherlands

##### Helen Power Plant Salmisaari: Goodbye to coal, hello to pellets

Jouni Koskinen, Valmet Technologies, Finland

##### Low-temperature dryers for pellet production

Georg Reis, Technic One Engineering, Belgium

Chair: Gerhard Dell, OÖ Energiesparverband, Austria

Coffee break

#### 16.20 Pellet Planet Session

##### Opening

Fahimeh Yazdan Panah, on behalf of the European Pellet Council  
Germany Martin Bentele, Deutscher Energieholz- und Pellet-Verband (DEPV)

Czech Republic Jan Habart, Czech Association for Biomass

Norway Steven Morris, Nobio/Solør Bioenergi

Brazil Jose Carlos Haas Junior, Haas Madeiras

India Akshansh Kataria, Ecosense Appliances

Indonesia Unggung Widhiantoro, Institute for Natural Resources, Energy, and Environmental Management

Vietnam Kim Anh Luong, Forest Trends Association

Chair: Fahimeh Yazdan Panah, Wood Pellet Association of Canada

18.30 Conference dinner

Thursday, 26 February, Stadthalle

### 09.00 Policy Session: Energy independence through clean and affordable energy

#### Opening and welcome

Gerhard Dell, OÖ Energiesparverband, Austria

#### New EU Policies: Affordable and clean energy for Europe

Nikolaos Kontinakis, European Commission, DG Energy

#### The European Energy Transition Outlook

Seán Collins, International Renewable Energy Agency

#### The 577 billion Euro EU Recovery and Resilience Facility – impacts on the energy transition

Guillaume Débarbat, European Commission, Secretariat-General

#### Best Young Energy Efficiency Researcher Award

#### Energy independence powered by renewable energy

Alexander Kirchner, Energie AG, Austria

#### Europe's energy security and climate neutrality

Krisztina Zálnoky, Agora Think Tank, Belgium

#### What's the story? Narratives for the energy transition

Christiane Egger, OÖ Energiesparverband, Austria

#### How LIFE projects support the energy transition

Michele Sansoni, European Commission, CINEA

Chair: Gerhard Dell, OÖ Energiesparverband, Austria

Coffee break

11.40

#### The Vilnius One-Stop-Shop: The energy renovation of over 250 multifamily buildings

Lina Bubulyte, Amiestas, Lithuania

### Innovation Session: Energy flexibility, digitisation and AI for the energy transition

#### Energy-efficient data centers

Marina Köhn, Umweltbundesamt, Germany

#### Flexible homes, flexible grids

Marisca Zweistra, ElaadNL, The Netherlands

#### Smart energy systems powered by AI

Ramona Iske, Fraunhofer IEE, Germany

Chair: Jan Geiss, Eufores

This conference is organised in the context of the Life project "Energy Efficiency Watch 5": [www.energy-efficiency-watch.org](http://www.energy-efficiency-watch.org)

Lunch and networking

Thursday, 26 February, Stadthalle

### 14.00 The Clean Industrial Deal for a resilient and competitive European industry

#### Opening and welcome

Christiane Egger, OÖ Energiesparverband/NEFI, Austria

#### The EU Clean Industrial Deal

Raoul Doerr, European Commission, DG Energy

#### Implementing the Clean Industrial Deal in Upper Austria

Gerhard Dell, OÖ Energiesparverband, Austria

### Pathways for industry transformation today and tomorrow

#### Innovation for industry resilience and decarbonisation

Antonio Ferrández García, European Commission, DG RTD

#### Technology pathways for a competitive industry transformation

Thomas Kienberger, Technical University of Leoben, Austria

#### Demonstrating a green, digital and social industry transformation

Ángels Orduña, MSC, A.SPIRE/Processes4Planet

#### CO<sub>2</sub>-free manufacturing in the "H<sub>2</sub> based factory"

Stephan Laiminger, INNIO Group, Austria

#### H<sub>2</sub>Glass: Decarbonising the glass and aluminium industry

Chiara Caccamo, SINTEF Energy Research, Norway

Chair: Christiane Egger, OÖ Energiesparverband, Austria

Coffee break

### 16.30 Leading technology examples from industry from Austria and Germany

#### Funding the transformation of industry in Austria

Urban Peyker, Austrian Climate and Energy Fund/Mission Innovation, Austria

#### A holistic approach to green brewing with efficiency and renewables

Christian Huber, Brau Union, Austria

#### Austria's largest industrial climate protection project, greentec steel, implementation in Linz

Thomas Moser, voestalpine Stahl, Austria

#### Bioenergy for decarbonising one of Europe's biggest car production sites

Bastian Alt, eta Energieberatung, Germany

#### Innovative heat recovery with feed-in to the district heating network

Robert Pretzl, Heger Edelstahl, Austria

#### Flexibility and procurement for industry

Robert Zoufal, Inercomp, Austria

Chair: Christine Öhlinger, OÖ Energiesparverband, Austria

18.30 Conference dinner

Friday, 27 February, Stadthalle

## 8.45 The latest on EV markets, policies and technologies

### Opening and welcome

Markus Achleitner, Regional Minister for Economy and Energy, Upper Austria

### The Global EV Outlook 2025: New records in global EV sales

Giovanni Andrean, International Energy Agency

### Next generation battery technologies

Maitane Berecibar, VUB Battery Innovation Center, Belgium

### Best Practices: EV charging and energy system integration policies

Nadejda Khamrakulova, UNECE - United Nations Economic Commission for Europe

## Innovation Session: Scaling up EV charging

### Using existing idle electrical infrastructures for EV charging

Jose Ramón López, Basque Energy Agency, Spain

### Electrical grids for e-mobility

Christine Kühnel, Reiner Lemoine Institut, Germany

Chair: Gerhard Dell/Christiane Egger, OÖ Energiesparverband, Austria

Coffee break

11.10

### A megacharger made in Austria

Markus Makoschitz, Technical University of Leoben, Austria

## Electric trucks on the rise - examples from Austria

### Electric trucks, large-scale batteries, renewables and more!

Nikolaus Skarabela, Schachinger Logistik Holding, Austria

### Innovative charging solutions - for sustainability and profits

Elisabeth Andrieux, Hofmann & Neffe, Austria

### How can the switch to electric trucks in heavy transport succeed?

Michael Schwarz, Schwarz Transporte, Austria

### Sustainability in logistics

Markus Höller, DHL Global Forwarding, Austria

Chair: Michael Nagl, Land Oberösterreich, Austria

13.00 Conference end / lunch snack

# Workshop Energy Communities

Wednesday, 25 February, Welios

## 14.00 Energy Communities: a driving force for the energy transition

### EU policies on Energy Communities

Katharina Hartmann, European Commission, DG Energy

### Energy Communities are here to stay!

Christiane Egger, OÖ Energiesparverband, Austria

### Highlights and lessons from EU-funded Energy Community projects

Talía Brun Marcen, European Commission, CINEA

### Unlocking finance for energy communities

Felix Kriedemann, REScoop.eu

### Interacting with DSOs

Harald Proidl, e-control, Austria

### Blockchain for Energy Communities

Francisco Puente, ESCAN, Spain

Chair: Christiane Egger, OÖ Energiesparverband, Österreich

Coffee break

## 16.20 Beyond Theory: Success stories from Energy Communities across Europe

### The "Weekend Energy Community" Vlasta Krmelj, ENERGAP, Slovenia

### Pioneering Energy Communities in Emilia-Romagna and the key role of energy agencies Marco Costa, AESS, Italy

### First green energy community in Romania

Olimpia Nicolae, Coaliția Energie Comunitară, Romania

### Five remote villages - one Energy Community

Savvas Vlachos, Cyprus Energy Agency, Cyprus

### Energy in the hands of the community

Gerd Liebig, EEG Enns, Austria

### Innovative financing of island Energy Communities

Alexis Lozano, Consejo Insular de la Energía de Gran Canaria, Spain

### Integrating electricity and heat production and renovation

Etienne Viénot, Auvergne Rhône Alpes Energie Environment, France

### Energy sharing in social housing - social responsibility meets community energy Benjamin Wilkin, Energie Commune, Belgium

### Bulgaria's Energy Communities in Gabrovo, Burgas and Sofia

Diana Paunova-Galeva, Sofia Energy Agency, Bulgaria

### Energy Communities as a new market force in Greece

Chris Vrettos, Electra Energy, Greece

Chair: Filip Dumitriu, FEDARENE

18.15 Workshop end / Dinner

Tuesday, 24 February, Stadthalle

## 09.00 Energy Efficiency

### Opening and welcome

Christiane Egger, OÖ Energiesparverband  
Magdalena Ertl, Federal Ministry of Innovation, Mobility and Infrastructure, Austria

### Using real-world data to improve building energy modeling predictions

Mojtaba Khastar, University of Ottawa, Canada

### Neighbourhood-scale decarbonisation in the United States

Zoë Cina-Sklar, Climate and Community Institute, USA

### Embodied carbon versus operational carbon: Have we gone too far insulating buildings?

Ben Taylor, AECOM, UK

### Robust buildings: optimising energy efficiency, reducing performance gaps

Lukas Lauss, TU Munich, Germany

### Machine Learning with knowledge discovery in databases for retrofit decisions

Rafael Oliveira Rodrigues, D4P, Portugal

### Energy efficient construction with green PCM-enhanced mortars

Fatemeh Rabiei, University of Genoa, Italy

### Carbon fibers for enhancing shape stability and efficiency of PEG PCMs

Sahel Saber, Technological University of the Shannon, Ireland

### Corn cob ash for sustainable cementitious applications

Francis Okeke, Canterbury Christ Church University, UK

### Poster presentations: Energy Efficiency (Part 1)

Coffee break

### Poster presentations: Energy Efficiency (Part 2)

### Optimisation of amorphous carbon films for renewable energy technologies

Manuel Schachinger, University of Applied Sciences Upper Austria, Austria

### Western Balkan: Automated approach for the cost-optimality and definition of notional buildings

Arvjola Myrtaj, Fraunhofer IBP, Germany

### Assessing 5<sup>th</sup> generation district heating and cooling with CATHeaPS

Orestis Angelidis, Buro Happold, UK

### Feedstock in energy system model: defossilisation of the chemical industry

Md Anik Islam, University of Stuttgart, Germany

### Digital twin for efficient waste handling in waste-to-chemical facilities

Camilla Cordero di Montezemolo / Gianluca Esposito, NextChem, Italy

### Weather routing based multi-energy ship microgrid operation under uncertainties

Zhineng Fei / Zhengmao Li, Aalto University, Finland

### Cost allocation systems in energy efficiency: tenant preferences in Germany

Linus Hübner, University of Kassel, Germany

### Inequalities in housing energy efficiency in Estonian cities

Kirils Gončarovs, University of Tartu, Estonia

### A decision-support dashboard for Energy Community optimisation

Diogo Couceiro / João Victor Costa, University of Lisbon, Portugal

### Bivalent heating with a hybrid heat pump supported by a biomass boiler

Jaka Bizjak, Jožef Stefan Institute, Slovenia

Chair: Gerald Steinmaurer, University of Applied Sciences Upper Austria

Lunch break

Tuesday, 24 February, Stadthalle

## 14.30 Biomass

### Optimising a pellet-based cookstove

Akshansh Kataria, EcoSense Appliances, India

### The contribution of bioenergy to defossilising the Austrian energy system

Doris Matschegg, BEST, Austria

### Environmental preferences for HVO: a discrete choice experiment in Italy

Davide Ricci Focaia, IUSS Pavia, Italy

### Climate impact of bioenergy and wood: new emission factors

Stefan Fuchsl, TU Munich, Germany

### Biomass characterisation using physics-informed neural networks

Aleix Fornieles, Eurecat, Spain

### Investigation of process routes for biomass utilisation as biofuel platform

Stefanie Mörth / Christoph Markowitsch, Technical University of Leoben, Austria

### Trade-offs between hydrogen demand, carbon and energy efficiency in biofuels

Ebru Işık, Utrecht University, The Netherlands

### Exploring a potential power to methane plant in the northeast of Austria

Helena Katzenberger, BOKU University, Austria

### Biomass upgrading experiment from a CH<sub>4</sub> + CO<sub>2</sub> gas mixture via clathrate hydrate

Meku Maruyama, Keio University, Japan

### Poster presentations: Biomass

Coffee break

### Activated carbon and improved energy efficiency in biomass gasification

David Gurtner, BOKU University, Austria

### AAIL as catalyst for direct transesterification: RSM, kinetics & thermodynamics

Jivana Parameswaran, University of Petronas, Malaysia

### H<sub>2</sub> production via biological CO shift reaction in an automated reactor and H<sub>2</sub> separation

Muhammad Maaz / Jonas Vogl / Maximilian Hettler, Hochschule Landshut, Germany

### Hydrogen production from biomass/MSW via BECCS

Akshay Bagde, University of Glasgow, UK

### Enhancing biohydrogen production from agricultural waste in dark fermentation

Jayen Aris Kriswantoro, Institut Teknologi Bandung, Indonesia

### Co-digestion of brewer's spent grain pulp and duckweed: CH<sub>4</sub> yield and CO<sub>2</sub> savings

Jessica Di Mario / Alberto Maria Gambelli, University of Perugia, Italy

### Tapping into rice straw's biomethane potential with hydrothermal pretreatment

Pankaj Garkoti, IIT Bombay, India

### Softwood lignin via GVL: high-purity recovery, β-O-4 retention & trade-offs

Medya Hatun Tanis, Lund University, Sweden

### Hydroponics effluent to biochemical-rich biomass via microalgal photo-granules

Harshit Tiwari, Indian Institute of Technology, India

### Biomass influence on fast pyrolysis products at 900 °C for bio-based chemical looping

Alice Wittmann, Université de Haute-Alsace, France

Chair: Elisabeth Wopienka, BEST, Austria

18.30 Conference dinner

## Wels City Map

Walk (20-30 minutes) from Wels main train station to the Stadthalle



Fairgrounds:  
"Energiesparmesse"

Stadthalle

Wielios  
(evening event, 26 February)

Minoriten  
(evening event, 25 February)

## Shuttle train between Wels fairgrounds and Wels main train station

During the tradeshow "Energiesparmesse", a **free train shuttle service** is available between the fairgrounds (station "Wels Messe") and Wels main train station ("Wels Hauptbahnhof" / "Wels HBF"). The shuttle's station "Wels Messe" is located within the fairgrounds and about 5-10 minutes walk from the Stadthalle.

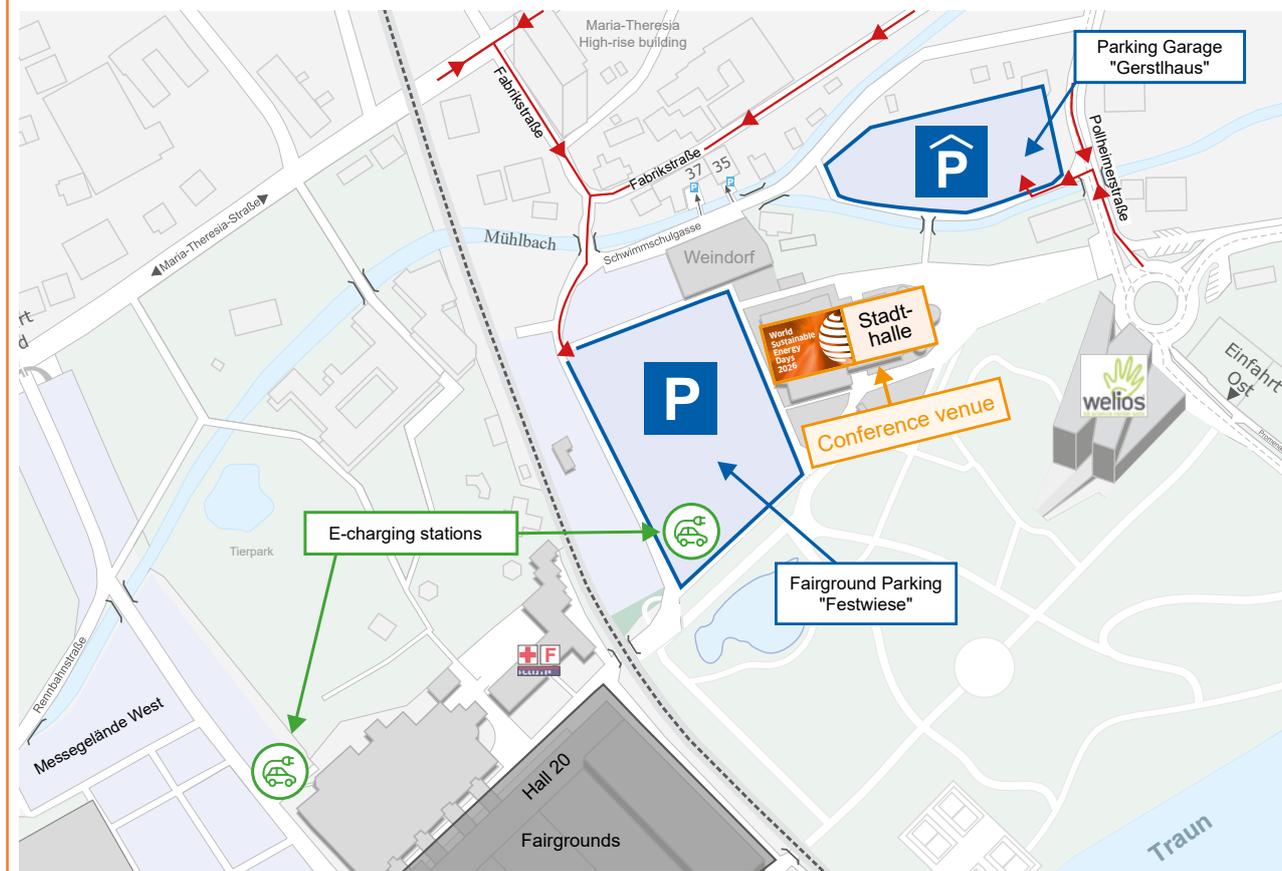
station "Wels HBF" to station "Wels Messe" transfer time 5-10 minutes, two stops		station "Wels Messe" to station "Wels HBF" transfer time 5-10 minutes, two stops	
daily	7.50 / 8.50 / 10.50 / 12.50 / 14.50 16.50 / 18.50 / 20.50 / 22.50	daily	9.07 / 10.07 / 11.07 / 13.07 / 15.07 17.07 / 18.07 / 19.07 / 21.07
Wed, Thu, Fri, Sat	13.50 / 15.50	Wed, Thu, Fri, Sat	16.07
Wed, Thu, Fri	13.27 / 15.30 / 17.30 / 17.50	Wed, Thu, Fri	14.07 / 16.27 / 18.27
Fri, Sat, Sun	8.32 / 9.06 / 9.36 / 10.06 / 10.36 11.06 / 11.36 / 12.06 / 12.36 13.06 / 13.36 / 14.06 / 14.36 15.06 / 15.36	Fri, Sat, Sun	8.41 / 9.21 / 9.51 / 10.21 / 10.51 11.21 / 11.51 / 12.21 / 12.51 13.21 / 13.51 / 14.21 / 14.51 15.21 / 15.51

Information and timetable: [www.oebb.at](http://www.oebb.at) and [www.oeevv.at](http://www.oeevv.at)



## Parking Access Map

1. Fairgrounds: Parking "Festwiese", Messegelände 87, 4600 Wels (limited number of free parking spots for WSED participants, otherwise 5 Euro/day, cash only)
2. Parking garage "Gerstl Haus": Pollheimerstraße 7, 4600 Wels (approx. 12 Euro/day)



## E-charging points within walking distance

- Messe Wels (next to Hall 19), 3.7 kW, Type 2
- Fairground Parking "Festwiese", 3.7 kW, Type 2
- Pollheimerstrasse - Ringstrasse, 4600 Wels, 3x 11 kW, Type 2
- Stadtplatz Rathaus, Stadtplatz 1, 4600 Wels, 2x 11 kW, 1x 22 kW, Type 2
- Hamerlingstraße 27, 4600 Wels, 1x 22 kW, Type 2 / 2x 300 kW, CSS
- Parkgarage Kaiser Josef, Kaiser-Josef-Platz 62, 4600 Wels, 2x 22 kW, 2x 11 kW, Type 2
- Raiffeisenbank Tiefgarage, Kaiser-Josef-Platz 58, 4600 Wels, 4x 11 kW, Type 2
- Adlerstraße 2, 4600 Wels, 2x 11 kW, 2x 22 kW, Type 2 / 1x 200 kW, 1x 400 kW, CSS



## Fast chargers

- Hofer Wels, Wimpassinger Straße 1, 4x 50 kW, 2x 150 kW, CSS (distance: 2.0 km)
- Turmstrom, Salzburgerstraße 146, 4600 Wels, 2x 150 kW, CSS / 1x 22 kW, Type 2 (distance: 2.2 km)
- Eurospar Wels, Schmiernendorferstraße 35, 4x 50 kW, 2x 150 kW, CSS (distance: 2.3 km)
- Salzburgerstraße 226, 4600 Wels, 2x 200 kW, 2x 150 kW, CSS (distance: 3.3 km)
- Starmovie Schnelllader, Waidhausenstraße 26, 4600 Wels, 2x 150 kW, 2x 75 kW, 1x 50 kW, CSS (distance: 4.1 km)
- Hornbach, Gunkirchener Straße 6, 4600 Wels, 4x 120 kW, CSS (distance: 4.2 km)
- Tesla Supercharger Wels - Shoppingcity, Salzburger Str. 223, 4600 Wels, 8x 250 kW, CSS (distance: 4.8 km)

More informationen: [www.ladestellen.at](http://www.ladestellen.at) and [www.emcaustria.at/stromtankstellen](http://www.emcaustria.at/stromtankstellen)

# UPPER AUSTRIA LEADER REGION IN THE ENERGY TRANSITION



## Upper Austria – a leader region in the energy transition

- 37 % of the primary energy is supplied by renewables, half of this is clean and sustainable biomass
- 4.7 billion Euro invested annually in renewable energies and energy efficiency
- 91 % renewable electricity
- 50 % reduction of greenhouse gas emissions in the building sector in the last 15 years
- 92 % of new single-family homes equipped with PV
- 72 % of all dwellings have climate-friendly heating systems
- 35 % of all dwellings are heated with clean biomass, more than 25 % of all modern small-scale biomass boilers installed in the EU are manufactured by Upper Austrian companies
- 90,000 biomass heating systems in homes, public buildings and companies: 55,000 pellet and 35,000 wood chip systems
- 25 % share of e-cars in new car registrations
- 450 energy contracting projects with 120 million Euro total investments

### The region:

- Upper Austria is one of Austria's nine regions/states/provinces
- population: 1.5 million
- capital: Linz



# ENERGY TRANSITION and CLIMATE NEUTRALITY for UPPER AUSTRIA



## The OÖ Energiesparverband

**Advice • Funding • Information • Networking • Research • Training for citizens | municipalities | companies**

- The Energy Agency of the region of Upper Austria, founded in 1991 by the region
- promotes the energy transition and climate protection through energy efficiency, renewable energy, e-mobility and innovative energy technologies
- comprehensive services to private households, businesses of all sizes and the public sector
- 10,000 face-to-face advice sessions each year, training of more than 500 people in its Energy Academy and organisation of around 60 events with over 2,000 participants
- competence centre for energy funding and energy technologies, participation in around 40 innovation projects, has issued or checked over 350,000 energy performance certificates for buildings, innovation network "New Energy for Industry"
- support to energy technology companies in the Cleantech-Cluster (CTC)
- organiser of the international World Sustainable Energy Days Conference

Bioenergy  
 Energy communities  
**Energy advice** Subsidies  
 Pellets **Climate protection**  
 Heating replacement Energy innovation  
 Cleantech-Cluster **Renewable energy**  
 Energy performance indicators EU projects  
 Projects with schools **Energy transition**  
**Efficient construction and refurbishment** LED Awareness raising  
**Product-independent energy information** Solar thermal  
 Municipal energy transition District heating **Photovoltaics** Training  
 World Sustainable Energy Days Energy digitalisation  
**Energy efficiency** Energy labels **Heat pumps**  
**Regional programmes** E-mobility  
 Renewable electricity Energy leader region  
 Ecological insulation materials Energy storage  
**Decarbonising companies**  
 Energy saving at home  
**Events**

# Conference GUIDE – World Sustainable Energy Days 2026

Programme • Locations • Logistics



**WIFI Stadthalle:** HOTSPOT Stadthalle, no password

**Content of this conference guide:** conference information • updated conference programme • maps