



2018

World Sustainable Energy Days 28 February - 2 March 2018

These were the World Sustainable Energy Days 2018

The World Sustainable Energy Days (WSED), one of Europe's largest annual conferences in this field, offered a unique combination of events on sustainable energy. More than 600 experts from 66 countries attended the World Sustainable Energy Days, which took place from 28 February – 2 March 2018 in Wels/Austria, and visited the conferences, site visits and tradeshow.

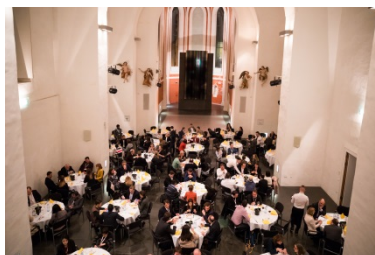


The conference programme

The **WSED 2018** focussed on energy efficiency and renewable energy as key elements for boosting economic competitiveness and the potential of using the clean energy transition to the benefit of all citizens through **7 specialised conferences**:

- European Pellet Conference
- European Energy Efficiency Conference
- Technology Innovation Conference: Energy and Buildings
- Young Energy Researchers Conference
- Energy Efficiency Economy Conference
- Energy Efficiency Policy Workshop
- E-Mobility & Smart Buildings Conference

Networking was a focal point of the interactive events: the "Energiesparmesse" (a major tradeshow on renewable energy and energy efficiency), the site visits ("Pellets & Wood Chips" and "Building Innovations") and the poster presentation.





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European Pellet Conference



Pellets are a clean, CO₂ neutral and convenient fuel with growing market shares worldwide. The European Pellet Conference 2018 in Wels/Austria was once again the meeting place for the global pellet community. It presented the latest technology trends, updates on policies, legislation and standardisation, news from research and innovation, an outlook on the developments of European and global markets, pilot projects and innovative business models. It permitted experts to exchange experience and develop new business contacts. With more than 450 participants every year, the European Pellet Conference in Wels is the largest annual pellet event in the world.

The European Pellet Conference 2018 offered a range of interesting sessions and events. It started on Wednesday with a plenary offering an overview on pellet policies and markets, followed by the session "Let's make pellets cool again". In the afternoon, a session dealing with new business models for bioenergy took place as well as the "World Pellet Business & Technology Forum", which presented latest results from R&D.

The European Pellet Conference continued on Thursday morning with 2 parallel sessions: "Pellet Market News Worldwide" and "Control strategies for the integration of biomass in future energy systems" (organised in cooperation with DBFZ).





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Site Visits "Pellets & Wood Chips"

On Tuesday, prior to the European Pellet Conference, a full-day field-trip on "Pellets & Wood Chips" took place. Four stops were on the programme: a pellet boiler manufacturer, an off-grid single-family home, a wood chip production plant with a CHP-installation and a biomass district heating plant. The participants welcomed the opportunity to gain first-hand information and to discuss specific questions on-site with the project operators.



Young Energy Researchers Conference



In the context of a call for papers, young researchers from all over the world were invited to submit their work in the fields of biomass and energy efficiency. Nearly 100 papers were submitted from over 46 countries. A scientific committee selected papers for oral and poster presentation. The papers were presented in two sessions: biomass and energy efficiency.



The Best Young Energy Researcher Awards were a highlight of the Young Energy Researchers Conference. The awards were presented to:

- Best Young Biomass Researcher: Maria Gilbert for the paper "Miscanthus versus wood: slugging and methods for inhibition" and
- Best Young Energy Efficiency Researcher: Ksenia Petrichenko for the paper "The role of energy efficiency for sustainable energy for all"



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European Energy Efficiency Conference



Energy efficiency and renewable energy are key to boosting the economic competitiveness of the EU, its member states, regions and individual businesses. Resulting economic growth provides jobs and the ability to invest in the further progress of the clean energy transition to the benefit of all citizens.

Over the course of 3 days, the European Energy Efficiency Conference addressed important topics in this field. The conference was dedicated to technologies, policies and markets, informed about innovative business and financing models and presented pilot projects and best practice solutions. Experts from all over the world discussed latest research results and successful energy efficiency policies and programmes.



The following events were part the European Energy Efficiency Conference:

- Technology Innovation Conference: Energy and Buildings
- Young Energy Efficiency Researchers Conference
- Energy Efficiency Economy Conference
- Energy Efficiency Policy Workshop
- E-Mobility & Smart Buildings Conference
- Technical Site Visits: Building Innovations
- Poster Presentation



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Energy Efficiency Economy Conference



Energy efficiency first: This new approach in European energy policies aims to boost growth in the EU economy, investments and job creation. The Energy Efficiency Economy Conference presented energy efficiency markets and showcased companies that have been successful in making energy efficiency their business. The conference addressed energy efficiency as an economic factor, offered an analysis of energy efficiency markets and an update on EU energy efficiency policy.

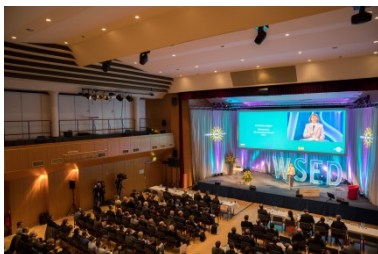
The session "Energy efficiency is our business" presented companies, innovative financing models and successful business models in the field of energy efficiency.



E-Mobility & Smart Buildings Conference



The international conference "E-Mobility & Smart Buildings" focussed on the combination of e-mobility and smart homes. The conference presented solutions and technology innovations related to the integration of e-mobility in sustainable buildings, energy and load management, electricity storage, charging infrastructure and battery technologies. Successful business models for electromobility and best practice examples from European countries rounded off the program.



Technology Innovation Conference: Energy and Buildings

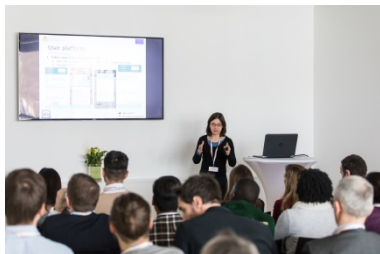


The "Technology Innovation Conference: Energy and Buildings" was dedicated to new research results on energy-efficient and sustainable buildings.



The first conference day started with the plenary session "Tomorrow's buildings: energy efficient, digital, user centred", followed by "A panorama of innovation projects", which presented a series of forward-looking and sustainable projects from various European countries. The second conference day offered six parallel workshops on innovative energy and buildings solutions.

The Workshops were organised in the context of the EU projects A2PBEER, REFURB, MODER, BRICKER, CITYfIED and ENTRUST.



Energy Efficiency Policy Workshop



The Energy Efficiency Policy Workshop presented successful examples and policies for the implementation of the clean energy transition on regional and local levels. It was organised as part of the Horizon2020 project "PUBLEnEf": <http://publnef-project.eu>





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Technical Site Visits: Building Innovations

The World Sustainable Energy Days came to an end with the excursion "Building Innovations", during which two innovative buildings were visited and presented: the passive house building of the Anton Bruckner-Universität in Linz and an apartment building (social housing) that was built using an innovative and efficient timber construction method.



Further programme elements of the World Sustainable Energy Days 2018

Workshop Horizon2020

The workshop was organised in cooperation with the network of Energy National Contact Points (NCPs, www.c-energy2020.eu) and provided valuable information about the Horizon2020 programme, especially for young energy researchers.



Poster presentation

A poster presentation was organised as an integrated part of the WSED. Over 70 companies and organisations took this opportunity to showcase their energy efficiency and renewable energy projects. Part of the poster presentation was dedicated to Young Energy Researchers.



E-car delegation from the Netherlands

A delegation from the Netherlands drove to the World Sustainable Energy Days 2018 with alternative fuel vehicles. The trip was organised by Hansa Green Tour.



Voting

An interactive element, "the voting", was an integrated part of the conference procedure. During the sessions, the audience was invited to answer questions regarding their behaviours and opinions on various conference topics. The results of the voting can be found on the conference website www.wsed.at

Energiesparmesse - Tradeshow on energy efficiency and renewable energy

The "Energiesparmesse", a leading tradeshow on energy efficiency and renewable energy with nearly 100,000 visitors and 1,600 exhibitors each year, took place in parallel to the World Sustainable Energy Days.

The OÖ Energiesparverband presented its services at a large exhibition stand in Hall 20 where more than 100 energy advisers were available to offer advice and information on energy efficiency and renewable energy sources. In addition, two special exhibitions were presented in cooperation with the Messe Wels and the region of Upper Austria: "LED – Innovative Lighting" and "E-Mobility & Smart Homes"

