

Conference Programme
Konferenzprogramm

European Pellet Conference

Europäische Pelletskonferenz **2014**

26 - 27 February 2014

26. - 27. Februar 2014

WELS, AUSTRIA



PELLET BUSINESS & TECHNOLOGY FORUM

PELLET B2B-MEETINGS

PELLET MARKET NEWS WORLDWIDE

TRADESHOW

WWW.PELLETS14.EU



European Pellet Conference 2014 Europäische Pelletskonferenz 2014



With more than 600 participants every year, the European Pellet Conference held in Wels has become the largest annual pellet event in the world.

Programme

Plenary sessions

Presentations on policies, markets, innovation, sustainability, supply, etc.

World Pellet Business & Technology Forum

Market place for product and service innovation, business models and finance

Pellet B2B-Meetings

Finding new business partners in bilateral meetings

Pellet Networking Platform

A platform for starting new co-operations among pellet actors across the value chain

Pellet Market News Worldwide

Updates and outlook on European and global markets

Technical site-visit

A one-day trip with visits about wood pellets and wood chips (fuel, equipment, exemplary installations)

WSED next Biomass

A conference for young researchers on biomass

Energiesparmesse - the "pellet trade show"

Leading trade show on renewable energy and energy efficiency with 100,000 visitors, more than 100 pellet-related exhibitors annually



Mit jeweils mehr als 600 Teilnehmer/innen ist die Europäische Pelletskonferenz in Wels die weltweit größte jährliche Pelletsveranstaltung.

Programm



Plenum-Sessions

Präsentationen zu Strategien, Märkten, Innovationen, Nachhaltigkeit, Brennstoffversorgung etc.



World Pellet Business & Technology Forum

Marktplatz für Produkt- und Service-Innovationen, Geschäftsmodelle, Finanzierung



Pellet B2B-Meetings

Neue Geschäftspartner/innen in bilateralen Meetings finden



Pellet Networking Platform

Plattform für neue Kooperationen in verschiedenen Bereichen der Pelletsbranche



Pellet Market News Worldwide

Markt-Update zu europäischen und weltweiten Märkten



Fach-Exkursion

Tagesexkursion Pellets & Hackschnitzel (Brennstoffe, Kessel, Vorzeiganlagen)



WSED next Biomass

Eine Konferenz für junge Forscher/innen im Bereich Biomasse



Energiesparmesse - die "Pellets-Messe"

Führende Messe mit mehr als 100.000 Besucher/innen jährlich, mehr als 100 Aussteller im Bereich Pellets

Timetable / Zeitplan



Site-visit: pellets & wood chips

Fach-Exkursion: Pellets & Hackschnitzel



Pellet Conference

Pelletskonferenz



WSED next Energy Efficiency



WSED next Biomass



Energy Efficiency Policies

Energieeffizienz-Strategien



Nearly Zero Energy Buildings

Niedrigstenergie-Gebäude



Innovative Building Technologies

Innovative Gebäudetechnologien



B2B-Meetings



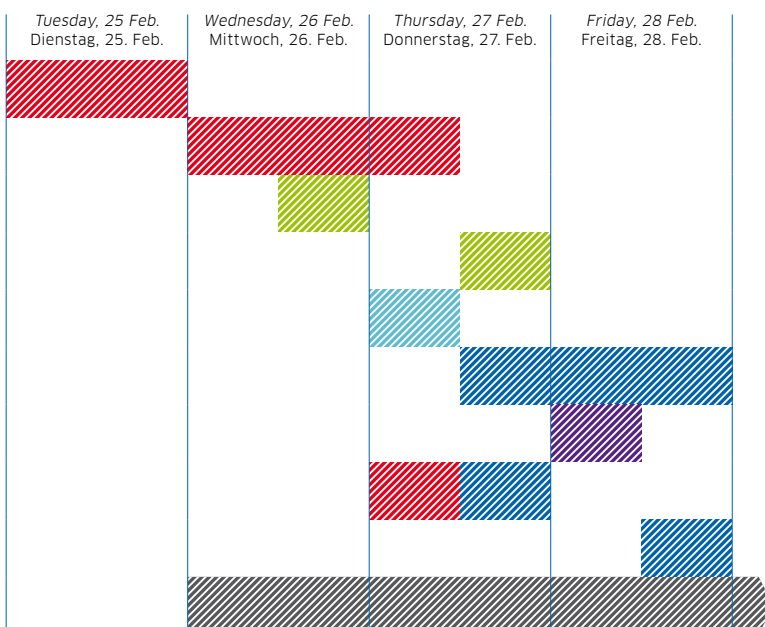
Site-visit: Nearly Zero Energy Buildings

Fach-Exkursion: Niedrigstenergie-Gebäude



Trade Show

Energiesparmesse



European Pellet Conference 2014

Europäische Pelletskonferenz 2014



25 February

08.30 – 18.00

Site-visit “Pellets & Wood Chips”

A full-day trip by bus including technical site-visits on the production of fuels & equipment and innovative applications for heating and electricity production

26 February

09.00

Opening & welcome

- Rudi Anschober, Regional Minister for Energy, Upper Austria

Update on EU biomass policies

- Giulio Volpi, European Commission, DG Energy

What's next for bioenergy?

- Anselm Eisentraut, International Energy Agency

Pellet market development – outlook to 2025

- Silvio Mergner, Pöyry Management Consulting, Germany

Advancing biomass heating through cooperation

- Christiane Egger, OÖ Energiesparverband/Ökoenergie-Cluster, Austria

11.30

Certification schemes & sustainability

Forest certification to ensure sustainability in the bioenergy sector

- Sarah Price, PEFC International

ENplus update: quality certification across the supply chain

- Christian Rakos, European Pellet Council

Efficiency criteria for pellet heating systems

- Christoph Schmidl, bioenergy 2020+, Austria

12.30 Lunch break



25. Februar

08.30 – 18.00

Fach-Exkursion “Pellets & Hackschnitzel”

Eine Ganztagestour per Bus mit Fachbesuchen (Produktion von Brennstoffen und Anlagen sowie innovativen Anwendungen im Bereich Raumwärme und Stromerzeugung)

26. Februar

09.00

Eröffnung & Begrüßung

- LR Rudi Anschober, Energielandesrat, Oberösterreich

Biomassestrategien der EU

- Giulio Volpi, Europäische Kommission, GD Energie

Bioenergie: Wie geht es weiter?

- Anselm Eisentraut, Internationale Energieagentur

Pellets-Marktentwicklung – Ausblick bis 2025

- DI Silvio Mergner, Pöyry Management Consulting, Deutschland

Heizen mit Biomasse: Erfolg durch Kooperation

- Mag. Christiane Egger, OÖ Energiesparverband/Ökoenergie-Cluster, Österreich

11.30

Zertifizierungssysteme & Nachhaltigkeit

Waldzertifizierung für Nachhaltigkeit im Bioenergie-sektor

- Sarah Price, MFS, PEFC International

ENplus Update: Qualitätssicherung in der gesamten Wertschöpfungskette

- Dr. Christian Rakos, European Pellet Council

Effizienzkriterien für Pelletsheizungen

- DI (FH) Dr. Christoph Schmidl, bioenergy 2020+, Österreich

12.30 Mittagspause



European Pellet Conference 2014

Europäische Pelletskonferenz 2014



14.00

Financing and operation models

Heat supply solutions for more than 100 buildings in Scotland

- Bruno Berardelli, Highland Wood Energy, UK

Biomass heat contracting – successful projects

- Robert Stoffers, juwi Energielösungen, Germany

Transforming the market and creating financing opportunities

- Harry (Dutch) Dresser, Maine Energy Systems, USA

16.00

World Pellet Business & Technology Forum

European Ecodesign Directive: requirements for solid fuel boilers

- Claudia Canevari, European Commission, DG Energy

Vermont as a North American leader in wood heating

- Adam Sherman, Biomass Energy Resource Center (BERC), USA

Optimising small-scale pellet production plants

- Johannes Waselmayr, Albert Knoblinger GmbH & Co KG, Austria

Innovative pellet production on three continents

- José Ignacio Pedrajas, Prodesa North America, USA

Pellet logistics from Russia to Europe

- Alexander Makhonko, Ust-Luga Port, Russia

Industrial pellet boilers

- Andreas Roskam, KCO GmbH, Austria

Pellet Networking Platform

A platform for developing new co-operations among pellet actors across the value chain (in English only)

19.00 End of the conference day

19.30 Evening programme



14.00

Finanzierungs- und Betreibermodelle

Wärmeversorgung von über 100 Gebäuden in Schottland

- Bruno Berardelli, Highland Wood Energy, GB

Erfolgreiche Projekte mit Biowärme-Contracting

- Dipl. Vw. Robert Stoffers, juwi Energielösungen, Deutschland

Markt-Transformation und Finanzierungsmaßnahmen

- Dr. Harry (Dutch) Dresser, Maine Energy Systems, USA

16.00

World Pellet Business & Technology Forum

Ökodesign-Anforderungen für Festbrennstoff-Kessel

- Dr. Claudia Canevari, Europäische Kommission, GD Energie

Vermont: führend im Heizen mit Holz in Nordamerika

- Adam Sherman, B.A., Biomass Energy Resource Center (BERC), USA

Optimierte Pelletsproduktion in Kleinanlagen

- Johannes Waselmayr, Albert Knoblinger GmbH & Co KG, Österreich

Innovative Pelletsproduktion auf drei Kontinenten

- José Ignacio Pedrajas, B.Eng., Prodesa North America, USA

Pelletslogistik von Russland nach Europa

- Dr. Alexander Makhonko, Ust-Luga Port, Russland

Industrie-Pelletsheisanlagen

- Ing. Andreas Roskam, KCO GmbH, Österreich

Pellet Networking Platform

Plattform für neue Kooperationen in verschiedenen Bereichen der Pelletsbranche (nur in English)

19.00 Ende des Konferenztages

19.30 Abendveranstaltung



European Pellet Conference 2014 Europäische Pelletskonferenz 2014



27 February

08.20 – 10.00

Pellet B2B-Meetings

Finding new business partners in bilateral meetings
(pre-registration for meetings is required, see
www.wsed.at)

09.45

Pellet Market News Worldwide

Updates and outlook on different European and global
pellet markets (in English only)

Overview of pellet supply and demand

- Arnold Dale, EIPS/Ekman & Co AB, Sweden

Italy: striving for market stability

- Annalisa Paniz, AIEL

Germany: qualification programme for installers

- Martin Bentele, DEPV

UK: update on the renewable heat incentive

- Edward Billington, UK Pellet Council/Billington Fuels

Russia: the Russian state plan

- Olga Rakitova, The Bioenergy International

US: market and policy trends

- David Dungate, BTEC

Australia: Tasmania's bioenergy opportunities

- Hon Adriana Taylor MLC, Parliament of Tasmania

Ukraine: pellet supply and domestic demand

- Tetiana Ignatenko, Ukrainian Pellet Union

12.30 End of the session

09.00

High efficiency - low emissions

Session co-organised with Bios Bioenergiesysteme
(in English only)

09.00 Welcome

Keynote and introduction to the EU project
"UltraLowDust" (FP7)

- Ingwald Obernberger, Bios Bioenergiesysteme, Austria

State-of-the-art of small-scale biomass combustion

- Thomas Brunner, Graz University of Technology, Austria

Emission limits, measurement methods & factors influencing emissions

- Hans Hartmann, Technologie- und Förderzentrum, Germany

Technologies and results achieved by the EU project "UltraLowDust"

New ultra-low emission wood pellet and wood chip boiler technology

- Jürgen Brandt, Windhager, Austria
- Thomas Brunner, Graz University of Technology, Austria

New low emission logwood stove

- Marie-Laure Rabot-Querci, Supra, France
- Christian Schraube, EIFER, Germany

New rooftop small-scale electrostatic precipitator (ESP) technology

- Peter Launsky, Ruftec AG, Germany
- Hans Hartmann, Technologie- und Förderzentrum, Germany

Contribution of ultra-low emission technologies to pollutant reductions in the EU & policies for market transformation

- Thomas Götz, Wuppertal Institute, Germany

Discussion & closing remarks

- Ingwald Obernberger, Bios Bioenergiesysteme, Austria

13.00 End of the European Pellet Conference



WSEDnext Biomass – Young Researchers



A conference to present the work of young researchers in the field of biomass (in English only)

27 February

14.00 Opening & welcome

Gerhard Dell/Christiane Egger, OÖ Energiesparverband

Oral presentations

Chairperson:

Walter Haslinger, Bioenergy 2020+, Austria

Comparative analysis of US and EU public policies promoting wood energy

- Satu Lantinen, University of Missouri, USA

Renewing towns: establishing energy security in Northern BC through bioenergy

- Sean Carlson, University of Northern BC, Canada

Eco-energy aspects of production and utilisation of agripellets

- Viktória Papp, University of West Hungary

Agronomic evaluation of switchgrass on marginal vs. prime farmland

- Sergio J. Sosa, Rutgers University, USA

Deployment scenarios of biomass-to-end-use chains for torrefied biomass

- Fabian Schipfer/Lukas Kranzl, Vienna University of Technology, Austria; Kathrin Bienert, DBFZ, Germany; Rita Ehrig, Bioenergy 2020+, Austria; Markus Meyer, Helmholtz Centre for Environmental Research, Germany

Assessing the availability of biomass residues for energy conversion

- Johannes Lindorfer, Johannes Kepler University Linz, Austria

Subcritical hydrothermal liquefaction of barley straw

- Zhe Zhu, Aalborg University, Denmark

Process synthesis of industrial symbiosis in palm-based bioenergy systems

- Rex T.L. Ng/Denny K.S. Ng, The University of Nottingham, Malaysia Campus, Malaysia; Raymond R. Tan, De La Salle University, Philippines

Biofuel from lignocellulosic biomass liquefaction in waste glycerol and its catalytic upgrade

- Miha Grilc/Blaž Likozar/Janez Levec, National Institute of Chemistry, Slovenia

H₂ from SERP: double hydroxide CO₂ sorbents at low and high temperatures

- Francesca Micheli, University of L'Aquila, Italy

The effects of torrefaction on the thermochemical properties of *Jatropha curcas*

- Buddhike Neminda Madanayake, The University of Nottingham, United Kingdom

Reve: versatile continuous pre/post torrefaction unit for pellets production

- Nicolas Doassans-Carrère, Revtech Process Systems, France

Grass energy for residential heating – emissions and efficiency characterisation

- Sriraam R. Chandrasekaran/Philip K Hopke, Clarkson University, USA

Energy centre Bracak – an information, training and show case centre

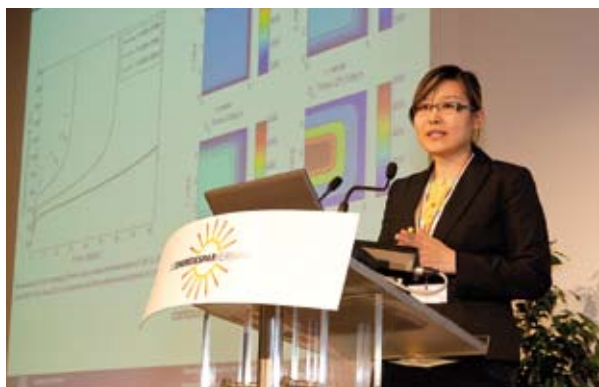
- Marko Vlaineć, North-West Croatia Regional Energy Agency, Croatia

Pipeline hydro-transport of agricultural biomass

- Mahdi Vaezi, University of Alberta, Canada

19.00 End of the conference day

19.30 Evening programme





Poster presentations

Innovative fine particulate measurement systems for the wood stove design challenge

- Rebecca Trojanowski/Thomas Butcher/Christopher Brown/George Wei, Brookhaven National Laboratory;
Youngjun Ahn, Stony Brook University, USA

Life-cycle assessment of laboratory and field tests of energy supply scenarios from reed

- Doris Rixrath, Forschung Burgenland, Austria

A strategy for the bioconversion of oil palm waste fibres in the solid state cultivation of *Ganoderma lucidum*

- Surya Mudavasseril Sudheer, University of Nottingham, Malaysia Campus, Malaysia

Synergies of wastewater treatment and microalgae cultivation in Austria

- Andrea Sonnleitner/Dina Bacovsky, Bioenergy 2020+;
Günther Bochmann/Bernhard Drosig, BOKU IFA Tulln;
Michael Schagerl, Universität Wien, Austria

Status and prospects of bioenergy developments in the Ukraine

- Alex Epik/Alexandra Pukhnyuk, National Academy of Sciences, Ukraine

Novel approach for optimising reactions of hydrothermal liquefaction of biomass

- Thomas Helmer Pedersen, Aalborg University, Denmark

Development of a charcoal-based micro-CHP system

- Dennis Krüger/Andreas Ortwein, DBFZ, Germany

Fragmentation of fluidised bed biomass gasification

- Jere Lehtinen/Sanna Tuomi/Antero Moilanen, Technical Research Centre of Finland, Finland

Acceleration of wood biomass use in municipalities through a comprehensive approach

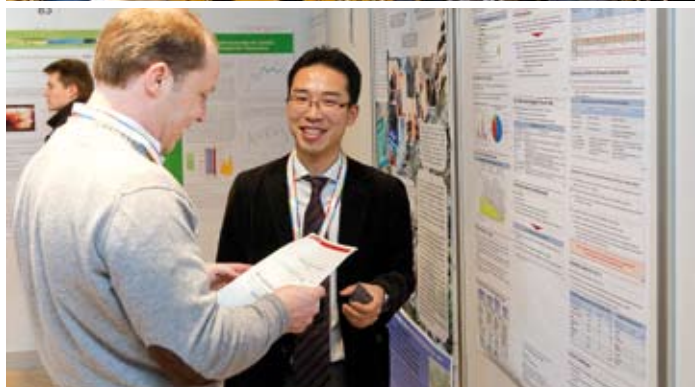
- Anja Kostevšek/Aleksandra Pivec, Scientific Research Centre Bistra Ptuj; Janez Petek, Local Energy Agency Spodnje Podravje; Leon Cizelj, Jožef Stefan Institute, Slovenia

A biomass supply network: industrial waste supplementary for biofuel production

- Wendy Pei Qin/Hon Loong Lam, University of Nottingham, Malaysia Campus, Malaysia

Biomass supply chain optimisation via a novel biomass element classification approach

- Edwin Chun Hsion Lim/Hon Loong Lam, University of Nottingham, Malaysia Campus, Malaysia



European Pellet Conference

Europäische Pelletskonferenz 2014

Date 26 – 27 February 2014

Venue Stadthalle Wels, Austria
Pollheimer Strasse 1, 4600 Wels

Conference languages
English, German, Russian

Conference fees

- 190 € for the Pellet Conference (26 – 27 February)
- 275 € for the Pellet Conference and the site-visit (25 – 27 February)
- 300 € for all WSED conferences (26 – 28 February)
- 385 € for all WSED conferences and the site-visit (25 – 28 February)
- for student fees see www.wsed.at
All fees plus 10 % VAT

Organisation & conference office

OÖ Energiesparverband,
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office@esv.or.at, www.esv.or.at
ZVR171568947, ATU 39283707

Registration

Please register online at
www.wsed.at

How to reach Wels?

- by railway: direct connections from Vienna, Linz, Salzburg, Munich, Paris, Brussels, etc.
- by road: A1 and A25 motorways
- by air: airports in Linz (17 km from Wels), Vienna (222 km), Salzburg (110 km), Munich (247 km)

Datum 26. – 27. Februar 2014

Ort Stadthalle Wels, Österreich
Pollheimer Straße 1, 4600 Wels

Sprachen
Deutsch, Englisch, Russisch

Konferenzbeiträge

- 190 € für die Pelletskonferenz (26. – 27. Februar)
- 275 € für Pelletskonferenz und Fachexkursion (25. – 27. Februar)
- 300 € für alle WSED-Konferenzen (26. – 28. Februar)
- 385 € für alle WSED-Konferenzen & die Fachexkursion (25. – 28. Februar)
- Tagungsbeiträge für Studierende siehe www.wsed.at/dt
Alle Beträge zzgl. 10 % MWSt

Organisation & Tagungsbüro

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Landstraße 45, 4020 Linz, Österreich
Tel. +43/732/7720-14386,
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ZVR171568947, ATU 39283707

Anmeldung

Bitte verwenden Sie die Online-Anmeldung auf www.wsed.at/dt

Wie kommen Sie nach Wels?

- Bahn: direkt von Wien, Linz, Salzburg, München, Berlin, Brüssel etc.
- PKW: Autobahnen A1 & A25
- Flugzeug: Flughäfen Linz (17 km von Wels), Wien (222 km), Salzburg (110 km), München (247 km)



WWW.PELLETS14.EU

