

Conference Programme
Konferenzprogramm

European Pellet Conference

Europäische Pelletskonferenz **2013**

27 - 28 February 2013

27. - 28. Februar 2013

WELS, AUSTRIA



NEW PELLET NETWORKING PLATFORM

NEW PELLET NEWS WORLDWIDE

WWW.WSED.AT



European Pellet Conference Europäische Pelletskonferenz



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

Programme

Plenary sessions

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

The World Pellet Business & Technology Forum

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

The Pellet Networking Platform **NEW**

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

Pellet News Worldwide **NEW**

Updates and outlook on European and global markets

WSEDnext Biomass

An event for young researchers on biomass

Technical site-visit

A one-day trip with visits on wood pellets and wood chips (fuel, equipment, exemplary installations) on 26 February

Energiesparmesse - the "pellet trade show"

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



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

Programm

Plenum-Sessions

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

Das World Pellet Business & Technology Forum

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

Die Pellet Networking Platform **NEU**

Plattform für neue Kooperationen in verschiedenen Bereichen der Pelletsbranche

Pellet News Worldwide **NEU**

Update zu europäischen und weltweiten Märkten

WSEDnext Biomass

Eine Veranstaltung für junge Forscher/innen im Bereich Biomasse

Fach-Exkursion

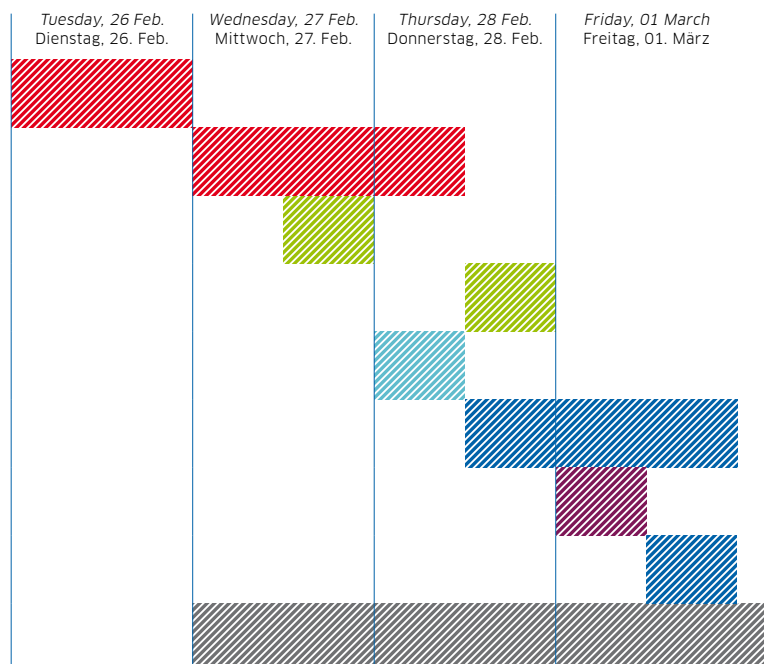
Tagesexkursion zu Pellets & Hackschnitzel (Brennstoffe, Kessel, Vorzeiganlagen) am 26. Februar

Energiesparmesse - die "Pellets-Messe"

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

Timetable / Zeitplan

-  **Site-visit: pellets & wood chips**
Fach-Exkursion: Pellets & Hackschnitzel
-  **Pellet Conference**
Pelletskonferenz
-  **WSEDnext Energy Efficiency**
WSEDnext Energy Efficiency
-  **WSEDnext Biomass**
WSEDnext Biomass
-  **Energy Efficiency Watch Conference**
Energy Efficiency Watch Konferenz
-  **Nearly Zero Energy Buildings**
Minimalenergie-Gebäude
-  **LED Conference**
LED-Konferenz
-  **Site-visit: Nearly Zero Energy Buildings**
Fach-Exkursion: Minimalenergie-Gebäude
-  **Trade Show**
Energiesparmesse





27 February

09.00

Opening & welcome

- Rudi Anschöber, Regional Minister for Energy, Upper Austria
- MEP Paul Rübzig, European Parliament

EU biomass policies

- Hans van Steen, European Commission, DG Energy

The new IEA Technology Roadmap: bioenergy for heat and power

- Anselm Eisentraut, International Energy Agency (IEA)

Cost developments of fossil fuels – a comparison of studies

- Claudia Kunz, Agentur für Erneuerbare Energien, Germany

11.15

Market trends for pellets

Market and policy trends in Europe and North-America: a transatlantic comparison

- Gordon Murray, Wood Pellet Association of Canada

Nearly Zero Energy Buildings: opportunity or threat for pellet heating?

- Christiane Egger, O.Ö. Energiesparverband, Austria

Will industrial and residential pellet markets converge?

- Johan Granath, Ekman & Co AB, Sweden

Pellet certification and compliance

- Richard Sikkema, Control Union Certification/ University of Utrecht, The Netherlands

12.30 Lunch break

14.00

What will the future bring for the wood pellet sector?

Experts' views on main opportunities and challenges for the next years – resources, technologies, markets

- Olga S. Rakitova, The Bioenergy International, Russia
- Martin Bentele, Deutscher Energieholz- und Pellet-Verband/Deutsches Pelletinstitut, Germany
- John Swaan, PFIT Consulting, Canada
- Herbert Ortner, ÖkoFEN Pelletsheizung, Austria



27. Februar

09.00

Eröffnung & Begrüßung

- LR Rudi Anschöber, Energielandesrat, Oberösterreich
- Abg. Dr. Paul Rübzig, Europäisches Parlament

Biomassestrategien der EU

- Hans van Steen, Europäische Kommission, GD Energie

Die neue IEA Technologiestrategie: Bioenergie für Wärme und Strom

- Anselm Eisentraut, Internationale Energieagentur (IEA)

Die Kostenentwicklung der fossilen Energieversorgung – ein Studienvergleich

- Claudia Kunz, Agentur für Erneuerbare Energien, Deutschland

11.15

Trends für Pelletsmärkte

Markt- und Strategietrends in Europa und Nordamerika: ein transatlantischer Vergleich

- Gordon Murray, BSc., Wood Pellet Association, Kanada

Minimalenergie-Gebäude: Chance oder Bedrohung für Pellets?

- Mag. Christiane Egger, O.Ö. Energiesparverband, Österreich

Werden sich die Pelletsmärkte für Industrie und Haushalte annähern?

- Mag. Johan Granath, Ekman & Co AB, Schweden

Pellets-Zertifizierung und Regelkonformität

- Richard Sikkema, MSc., Control Union Certification/ University of Utrecht, Niederlande

12.30 Mittagspause

14.00

Ein Blick in die Pelletszukunft

Expert/innenmeinungen über die Chancen und Herausforderungen der kommenden Jahre – Rohstoffe, Technologien, Märkte

- Mag. Olga S. Rakitova, MBA, The Bioenergy International, Russland
- Martin Bentele, Deutscher Energieholz- und Pellet-Verband/Deutsches Pelletinstitut, Deutschland
- John Swaan, PFIT Consulting, Kanada
- Ing. Herbert Ortner, ÖkoFEN Pelletsheizung, Österreich



European Pellet Conference Europäische Pelletskonferenz



15.00

World Pellet Business & Technology Forum

A market place for product and service innovation, business models and finance

Pellet CHP - small and middle scale

Technology overview

- Walter Haslinger, Bioenergy 2020+, Austria

Biomass CHP and thermal projects - US market examples

- Justin Wimpey, Antares Group Inc., USA

A 5 kW_{el} stirling engine using biomass - a challenge

- Josef Frauscher, Frauscher Energietechnik, Austria

Integrating stirling engines in log wood and pellet boilers

- Daniel Hegele, Hoval, Liechtenstein

Business models & product innovation

Proper boiler sizing

- Raymond J. Albrecht, BTEC, USA

Using pelletised biofuel residues as a cooking fuel

- Hazir Farouk, Sudan University of Science and Technology, Sudan

Pellet production and power stations - examples from 3 continents

- Stefan Döring, Plant Engineering, Germany

Torrefaction of straw pellets

- Sergey Kuzmin, Tambov State Technical University, Russia

Increasing efficiency through heat recovery

- Franz Söllhinger, Scheuch, Austria

Pellet supply contracting - a successful business model

- Christian Stettner, Südwärme, Germany

18.00

Pellet Networking Platform

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

19.00 End of the conference day

19.30 Evening programme



15.00

World Pellet Business & Technology Forum

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

Pellets-KWK im kleinen und mittleren Leistungsbereich

Technologieüberblick

- Dr. Walter Haslinger, Bioenergy 2020+, Österreich

Biomasse KWK-Projekte - Beispiele aus den USA

- Mag. Justin Wimpey, Antares Group Inc., USA

Ein 5 kW_{el} Stirlingmodul mit Biomasse - eine technische Herausforderung

- Ing. Josef Frauscher, Frauscher Energietechnik, Österreich

Einbindung von Stirling-Motoren in Stückholz- und Pelletskessel

- DI (FH) Daniel Hegele, Hoval, Liechtenstein

Geschäftsmodelle & Produktinnovationen

Richtige Kesseldimensionierung

- Raymond J. Albrecht, MSc., BTEC, USA

Pelletierte Reststoffe aus der Biodieselproduktion als Brennmaterial

- Hazir Farouk, MSc., Sudan University of Science and Technology, Sudan

Pelletsproduktion und Kraftwerke - Anlagenbeispiele von 3 Kontinenten

- Dr.-Ing. Stefan Döring, Plant Engineering, Deutschland

Torrefizierung von Strohpellets

- Ao. Univ.-Prof. Sergey Kuzmin, Tambov State Technical University, Russland

Effizienzsteigerung durch Wärmerückgewinnung

- Ing. Mag. Franz Söllhinger, Scheuch, Österreich

Pellets-Anlagencontracting - ein erfolgreiches Betreibermodell

- Dipl. Wirt.-Ing. (FH) Christian Stettner, Südwärme, Deutschland

18.00

Pellet Networking Platform

Eine Plattform für neue Kooperationen in verschiedenen Bereichen der Pelletsbranche

19.00 Ende des Konferenztages

19.30 Abendveranstaltung



European Pellet Conference Europäische Pelletskonferenz



26 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
- innovative applications in public, commercial and domestic buildings

28 February

09.30 Pellet News Worldwide

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

Global pellet markets and price forecasting

- Hubert Röder, Pöyry Management Consulting, Germany

Spain: biomass against the economic crisis

- Marcos Martín Larrañaga, AVEBIOM

Switzerland: more than a residential pellet market?

- Martina Caminada, Holzenergie Schweiz/Propellets Schweiz

Austria: ENplus certification

- Christian Rakos, ProPellets Austria

Pellet markets in Central and Eastern Europe

- Vasil Zlatev, Energy Agency of Plovdiv, Bulgaria

Italy: a regional survey of the residential biomass market

- Andrea Crocetta, Politecnico di Torino

USA: domestic and export pellet markets

- Jennifer Hedrick, Pellet Fuels Institute

Australia and New Zealand: a future pellet exporter?

- Andrew Lang, World Bioenergy Association

12.30 End of the European Pellet Conference



26. Februar

08.30 – 18.00

Fach-Exkursion “Pellets & Hackschnitzel”

Eine Ganztagestour per Bus mit Fachbesuchen von:

- Produktionen von Brennstoffen und Anlagen
- innovativen Anwendungen im Wohnbau, in öffentlichen und gewerblichen Gebäuden



The European Pellet Conference 2013 will offer:

- the meeting place for the global pellet community
- the latest technology trends
- updates on policy, legislation and standardisation
- news from research and innovation
- an outlook on the developments on European and global markets
- inspirational case studies and examples
- exchange of experience among experts and new business opportunities
- a major trade show, the “Energiesparmesse”, dedicated to sustainable energy with more than 100 pellet-related exhibitors

Die Europäische Pelletskonferenz 2013 bietet:

- das weltweite Pellets-Branchentreffen
- die neuesten Technologietrends
- Aktuelles aus Politik, Gesetzgebung und Standardisierung
- Forschungs- und Innovations-News
- die Entwicklungen auf europäischen und weltweiten Märkten
- Pilotprojekte
- Erfahrungsaustausch unter Expert/innen und Gelegenheit für neue Kooperationen
- die “Energiesparmesse”, mit mehr als 100 Ausstellern im Bereich Pellets

WSEDnext Biomass – Young Researchers



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

28 February

14.00 Opening & welcome

Gerhard Dell/Christiane Egger, O.Ö. Energiesparverband, Austria

Oral presentations

Chairperson:

Walter Haslinger, Bioenergy 2020+, Austria

Emission of gases from wood pellets at high moisture and high temperature

- Fahimeh Yazdanpanah, University of British Columbia, Canada

Performance of a catalyst in a test stand under conditions similar to a stove

- Marius Wöhler, Bioenergy 2020+, Austria

CFD analysis of medium-scale grate-fired biomass boilers

- Adeline Rezeau/Fernando Sebastián, CIRCE Research Centre; Luis Ignacio Díez/Javier Royo/Maryori Díaz Ramirez, University of Zaragoza, Spain

Options for alternative solid biofuels in small combustion plants

- Jiří Bradna/Jan Malatak, Czech University of Life Sciences (VUZT), Czech Republic

Energy conversion of reed and wood in domestic wood-chip boilers

- Helmut Plank/Jürgen Krail, University of Applied Sciences Burgenland; Wolfgang Rath, Herz Energietechnik, Austria

Harvesting alternatives and transport logistics for wood from young stands

- Lukas Mani, Zurich University of Applied Sciences, Switzerland

Analysis of costs for emission reduction for power generation in Ukraine

- Oleksii Epik, National Academy of Sciences, Ukraine

Emission reduction in small-scale biomass combustion systems by catalysis

- Mirjam Matthes, Deutsches Biomasseforschungszentrum (DBFZ), Germany

An experimental device for biomass combustion in an oxygen-enriched atmosphere

- Michal Špiláček/Michaela Zárybnická, Brno University of Technology, Czech Republic

Preliminary operation of a downdraft gasifier and utilisation of producer gas for electricity production

- Shiplu Sarker, University of Agder, Norway

A lumped kinetic model for catalytic hydrodeoxygenation of liquefied lignocellulosic biomass in a slurry reactor

- Miha Grilc, National Institute of Chemistry, Slovenia

Numerical simulation of wood pellets self-heating during storage

- Wendi Guo, University of British Columbia, Canada

Emissions from wood pellets during storage referring to the extractive content

- Irene Schmutzer-Roseneder, Bioenergy 2020+, Austria

Shredding machines for biomass treatment

- Miloš Matúš/Juraj Beniák, Slovak University of Technology, Slovakia

Influences of conditioning and additives on the pellet production process

- Daniela Gold/Jürgen Krail/Helmut Plank, University of Applied Sciences Burgenland, Austria

The impact of significant densification parameters on briquette quality

- Peter Križan, Slovak University of Technology, Slovakia

Lignocellulosic transformation of biomass via torrefaction

- Umair Hussain, University of Nottingham, UK

Biomass pellets as an alternative energy source in Armenia

- Lena Mamikonyan, Researchers for Bio Heating Solutions, Armenia

How is bioenergy contributing to the modern European renewable mix?

- Stephen Brown, Berlin School of Economics and Law, Germany

Regional sustainable energy policy based on an interactive map of resources

- Vladimír Stupavský, Czech Biomass Association; Tatiana Ivanova, Czech University of Life Sciences, Czech Republic

19.00 End of the conference day

19.30 Evening programme



Selected posters

Assessment of the energy potential of waste biomass from agriculture and livestock in the Republic of Macedonia

■ Igor Shesho, Mechanical Faculty Skopje, Macedonia

Analyses of selected European timber markets - competing uses of wood for energy

■ Katharina Hollinger/Christa Kristófel, Bioenergy 2020+, Austria

Engineering a fatty acid secretion system in cyanobacteria for biodiesel production

■ Chin-I Chien/Chien-Chia Wang, National Central University, Taiwan

Pathfinding the agronomics of C4 grasses grown for biomass in Ontario

■ Heather Engbers, Ontario Soil and Crop Improvement Association, Canada

Simulation-based design of optimal biomass logistics

■ Stephan Hutterer/Erik Pitzer/Stefan Rotter, Fachhochschule OÖ, Austria

Efficiency and emissions performance of residential wood-fired heating systems

■ Rebecca Trojanowski/Christopher Brown, Brookhaven National Laboratory, USA

Pretreatment of biomass waste for bioethanol production

■ Lenka Blinová/Maros Soldán/Jozef Fiala, Slovak University of Technology, Slovakia

Producing renewable fuel from fecal sludge in Ghana

■ Jeongseuk Kang, University of California, USA; Ashley Murray/Laura Stupin, Waste Enterprisers Ltd., Ghana; James Regulinski, Olin College of Engineering, USA

Changes in mineral composition and surface structure during olive pellet combustion

■ Tom Bennet/Hao Liu/Carol Eastwick, University of Nottingham, UK

Characterisation of *Jatropha mahafalensis* oil

■ Andrea Sonnleitner, Bioenergy 2020+, Austria

Wood stove thermoelectric generator

■ Marian Brázdil/Otakar Štelcl/Ladislav Šnajdárek, Brno University of Technology, Czech Republic

Simultaneous liquefaction and hydrodeoxygenation of lignocellulosic biomass

■ Miha Grilc, National Institute of Chemistry, Slovenia

Gaseous emissions performance of novel biofuels during fixed-bed conversion

■ Maryori Diaz Ramirez/Javier Royo, University of Zaragoza, Spain; Fernando Sebastián/Adeline Rezeau, CIRCE Research Centre, Spain; Christoffer Boman/ Dan Bostrom, University of Umea, Sweden

Development of a micro-CHP based on charcoal

■ Dennis Krüger/Andreas Ortwein, Deutsches Biomasseforschungszentrum (DBFZ), Germany

Logwood stove with automatic air control powered by thermoelectric generators

■ Christine Mair, Bioenergy 2020+, Austria

Vapor condensation during wet biomass combustion

■ Jan Havlík, Czech Technical University, Czech Republic

Pipeline hydro-transportation of biomass for large-scale ethanol production

■ Mahdi Vaezi, University of Alberta, Canada

Barriers and pathways to bioenergy in the Central Highlands, Victoria, Australia

■ Sebastian Klein, Hepburn Shire Council, Australia



European Pellet Conference

Europäische Pelletskonferenz 2013

Date 27 – 28 February 2013
Venue Stadthalle Wels, Austria

Conference languages
English, German, Russian, Spanish

Conference fees

- 185 € for the Pellet Conference (27. - 28.02.)
- 270 € for the Pellet Conference and the site-visit (26. - 28.02.)
- 290 € for all WSED conferences (27.02. - 01.03.)
- 375 € for all WSED conferences and the site-visit (26.02. - 01.03.)
- for student fees see www.wsed.at
All fees plus 10 % VAT

Organisation & conference office

O.Ö. Energiesparverband,
Landstrasse 45, 4020 Linz, Austria
Tel. +43/732/7720-14386,
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 Linz (17 km from Wels), Vienna (222 km), Salzburg (110 km), Munich (247 km)

Datum 27. – 28. Februar 2013
Ort Stadthalle Wels, Österreich

Sprachen
Deutsch, Englisch, Russisch, Spanisch

Konferenzbeiträge

- 185 € für die Pelletskonferenz (27. - 28.02.)
- 270 € für Pelletskonferenz und Fachexkursion (26. - 28.02.)
- 290 € für alle WSED-Konferenzen (27.02. - 01.03.)
- 375 € für alle WSED-Konferenzen & die Fachexkursion (26.02. - 01.03.)
- Tagungsbeiträge für Studierende unter www.wsed.at/dt
Alle Beträge zzgl. 10 % MWSt

Organisation & Tagungsbüro

O.Ö. Energiesparverband,
Landstraße 45, 4020 Linz, Österreich
Tel. +43/732/7720-14386,
office@esv.or.at, www.esv.or.at
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.WSED.AT



DEPV Deutscher Energieholz- und Pellet-Verband e.V.

