

IEV BIOENERGY

IEA Bioenergy

Conference 2015



Realising the world's
sustainable bioenergy potential

Berlin | Germany | 27 - 29 October 2015

IEA Bioenergy Conference 2015 Programme

International Bioenergy Conference from 27th to 29th October 2015 in Berlin
Realising the world's sustainable bioenergy potential

The upcoming conference will provide stakeholders from industry, academia and policy with an insight into recent research and market developments in bioenergy. All topics covered by IEA Bioenergy and by partner organisations like FAO, GBEP and UNDP will be addressed. A special section is dedicated to industrial developments and applications.

Presentations will respond to challenges in all steps in bioenergy value chains from biomass production and conversion to energy carriers to different end uses. Cross-cutting topics like sustainability (GHG emissions), socio-economic issues and trade will also be discussed. Policy makers will benefit from the latest recommendations by a global scientific energy technology network.

Participants will also receive the latest information on promising bioenergy technologies and learn about bioenergy applications with a special insight into German developments. Outstanding achievements and results in the bioenergy sector will be shown through over 50 visual presentations. The conference takes place in the stimulating surroundings of Berlin and Brandenburg.

Facilities for B2B meetings will be provided. The social programme also offers opportunities for networking.

Registration extended until 14 October 2015 through this website | [Registration](#). View the latest speakers announced and inspiring presentations | [Programme & Technical excursions](#).

Conference Venue



RAMADA Hotel Berlin-Alexanderplatz****

Karl-Liebknecht-Straße 32

10178 Berlin

Germany

Tel: +49 30 3010411-0

[Link to the website of the conference hotel](#)

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Programme Overview

The Conference covers the entire field of bioenergy in 10 sessions. Topics are listed in the programme overview below. For detailed information please click the topics of each session.

Monday, 26 October 2015

16:00	Registration
18:30	Welcome reception

Tuesday, 27 October 2015

08:00	Registration	
09:00	Welcome and introduction Moderation: Birger Kerckow, Organising Committee, Agency for Renewable Resources (FNR) Welcome address Christian Schmidt, Minister, Federal Ministry of Food and Agriculture, Germany Welcome address Thorsten Herdan, Director General, Federal Ministry for Economic Affairs and Energy, Germany Bioenergy research in Germany Andreas Schütte, Managing Director, Agency for Renewable Resources (FNR), Germany The role of bioenergy in IEA's Mid-Term Market Report 2015 Adam Brown, Senior Analyst, Renewable Energy Division, International Energy Agency (IEA), France/ UK IEA Bioenergy in a nutshell Kees Kwant, Netherlands Enterprise Agency (RVO), Netherlands	
10:30	Coffee break	Poster presentation (Press Conference)
11:00	Session I Commercial success of biomass gasification for power, heat and fuel Chair: Kevin Whitty	Session II Energy-driven biorefining driving the bio(based) economy Chair: René van Ree
12:30	Lunch	Poster presentation
13:30	Session III Developing a bio-based economy - lessons from and implication for bioenergy trade Chair: Martin Junginger	Session IV Improving performance and competitiveness of biomass combustion technologies Chair: Jaap Koppejan
15:00	Coffee break	Poster presentation
15:30	Session V Biomass feedstocks for energy markets Chair: Göran Berndes	Session VI Fast pyrolysis contribution to realizing the world's sustainable bioenergy potential Chair: Doug Elliott
17:00	Plenary I: Industry contributions	
18:15	End of conference day	
19:30	Conference Dinner	

Wednesday, 28 October 2015

08:00	Registration	
09:00	Plenary II: Multidisciplinary projects within IEA Bioenergy	
10:10	Coffee break	Poster presentation
11:00	Session VII Biogas integration in sustainable energy systems Chair: David Baxter	Session VIII Quantifying climate change effects of bioenergy Chair: Annette Cowie
12:30	Lunch	Poster presentation
13:45	Session IX Progress in the development and use of advanced liquid biofuels Chair: Jim McMillan	Session X Integrating energy recovery into solid waste management Chair: Pat Howes
15:20	Plenary III: Conclusions and Perspectives	
16:30	Farewell	
17:30	End of Conference day	

Thursday, 29 October 2015 (optional)

09:00	Full day excursion (Tour 1) - The energy self-sufficient village of Feldheim
09:00	Full day excursion (Tour 2): VERBIO Ethanol plant in Schwedt
08:30	Half day excursions (Tour 3): Municipal wood-fired CHP plant in Berlin-Neukölln / Gropiusstadt
09:00	Half day excursions (Tour 4): Waste to energy plant and biogas plant in Ruhleben

Tuesday, 27 October 2015

08:00	Registration	
09:00	Start of conference	
09:00	<p>Welcome and introduction Moderation: Birger Kerckow, Organising Committee, Agency for Renewable Resources (FNR), Germany</p> <p>Welcome address Christian Schmidt, Minister, Federal Ministry of Food and Agriculture, Germany</p> <p>Welcome address Thorsten Herdan, Director General, Federal Ministry for Economic Affairs and Energy, Germany</p> <p>Bioenergy research in Germany Andreas Schütte, Managing Director, Agency for Renewable Resources (FNR), Germany</p> <p>The role of bioenergy in IEA's Mid-Term Market Report 2015 Adam Brown, Senior Analyst, Renewable Energy Division, International Energy Agency (IEA), France</p> <p>IEA Bioenergy in a nutshell Kees Kwant, Netherlands Enterprise Agency (RVO), Netherlands</p>	
10:30	Coffee break	Poster presentation
11:00	<p>Session I: Commercial success of biomass gasification for power, heat and fuel Chair: Kevin Whitty</p>	<p>Session II: Energy-driven biorefining driving the bio(based) economy Chair: René van Ree</p>
	Introduction	Introduction
11:05	<p>The GoBiGas-plant is now producing biogas from forest residues Ingemar Gunnarsson, Göteborg Energi, Sweden</p>	<p>PEF the next generation polyester based on 100% renewable resources Ed de Jong, Aventium, Netherlands</p>
11:25	<p>Commercial scale gasification to replace fossil fuel in power generation – Vaskiluodon Voima 140 MW CFB gasification project Juhani Isaksson, Valmet Technologies, Finland</p>	<p>Biorefining of ligno-cellulosic feedstocks integrated in an oil refinery - experiences from the Austrian demo plant Gerfried Jungmeier, Joanneum Research and Peter Pucher, BDI International, Austria</p>
11:45	<p>Latest developments in German biomass gasification processes Georg Wagener-Lohse, Fördergesellschaft Erneuerbare Energien (FEE), Germany</p>	<p>Biorefining activities in Denmark Henning Jorgensen, DTU, Denmark</p>
12:05	<p>Catalytic and electrochemical conversion of biomass resources John Bøggild Hansen, Haldor Topsøe, Denmark</p>	<p>Biorefining activities in Canada - country report Maria Wellisch, Agricultur and Agri-Food, Canada</p>
12:30	Lunch	Poster presentation

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Tuesday, 27 October 2015

13:30	<p>Session III: Developing a bio-based economy - lessons from and implication for bioenergy trade Chair: Martin Junginger</p>	<p>Session IV: Improving performance and competitiveness of biomass combustion technologies Chair: Jaap Koppejan</p>
	Introduction	Introduction
13:35	<p>Standards for biobased fuels and resources - status and needs <i>Daniela Thrän, German Biomass Research Centre (DBFZ), Germany</i></p>	<p>Advanced fuel characterisation methods <i>Ingwald Obernberger, TU Graz, Austria</i></p>
13:55	<p>Strengthening the Swedish Bioeconomy <i>Lena Bruce, Sveaskog, Sweden</i></p>	<p>Optimal design of biomass fired district heating networks <i>Thomas Nussbaumer, Verenum, Switzerland</i></p>
14:15	<p>Biomass trade and supply systems: Opportunities for a global bio-based economy <i>Richard Hess, Idaho National Laboratory, USA</i></p>	<p>Developments in commercialisation of torrefaction technologies <i>Marcel Cremers, DNV-GL, Switzerland</i></p>
14:35	<p>Sustainability challenges by international sourcing and trade of woody biomass <i>Peter-Paul Schouwenberg, RWE Essent, Netherland</i></p>	<p>Techno-economic evaluation of selected decentralised CHP applications based on biomass combustion with steam turbine and ORC processes <i>Alfred Hammerschmid, Bios Bioenergiesysteme GmbH, Austria</i></p>
15:00	Coffee break	Poster presentation
15:30	<p>Session V: Biomass feedstocks for energy markets Chair: Göran Berndes</p>	<p>Session VI: Fast pyrolysis contribution to realizing the world's sustainable bioenergy potential Chair: Doug Elliott</p>
	Introduction	Introduction
15:35	<p>From local to global – impediments and opportunities for realizing biomass-based energy aspirations <i>Denys Yemshanov, Great Lakes Forestry Centre, Natural Resources Canada</i></p>	<p>Fast pyrolysis demonstration - increasing efficiency with integration to combined-heat-and-power <i>Joakim Autio, Valmet Technologies Oy, Finland</i></p>
15:55	<p>Integrating biomass supply systems into sustainable landscape designs <i>Virginia Dale, Oak Ridge national Laboratory, USA</i></p>	<p>EMPYRO: Fast pyrolysis oil production and utilisation on commercial scale <i>Bert van de Beld, BTG- Biomass Technology Group, Netherlands</i></p>
16:15	<p>Mobilization of woody biomass for energy and industry: cost effective technologies and logistics <i>Antti Asikainen, Natural Resources Institute Finland</i></p>	<p>Progress with commercialization of fast pyrolysis by Envergent's RTP technology <i>Roger Blokland, Envergent Technologies, USA</i></p>
16:35	<p>Sustainability governance along the bioenergy supply chains: experiences and outlook for the future <i>Inge Stupak, University of Copenhagen, Denmark</i></p>	<p>Process development and engineering of bioliq's fast pyrolysis <i>Nicolaus Dahmen, Karlsruhe Institute of Technology (KIT), Germany</i></p>
17:00	<p>Plenary I: Industry contributions Moderation: Jack Saddler</p>	
	<p>Update on the status of torrefaction as biomass upgrading technology <i>Michael Wild, Wild & Partner KG, Austria</i></p> <p>Realization of 2G biorefineries from a leading biotech's perspective <i>Melich Dietrich Seefeldt, Novozymes, Denmark</i></p>	

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Latest update: 19/10/2015

	<p>Synergies of energy from waste with anaerobic digestion: Locally adapted ecological solutions <i>Lukas Heer, Hitachi Zosen Inova, Switzerland</i></p> <p>A global view on the deployment of biofuels in aviation <i>Thomas Roetger, IATA, Switzerland</i></p>
18:15	End of conference day
19:30	Conference Dinner

Wednesday, 28 October 2015

08:00	Registration	
09:00	Start of conference day	
09:00	<p>Plenary II Multidisciplinary projects within IEA Bioenergy Moderation: James J. Spaeth</p>	
	<p>Quantifying the climate change effects of forest-based bioenergy: Dealing with time <i>Annette Cowie, New South Wales Department of Primary Industries, Australia</i></p> <p>Mobilising sustainable bioenergy supply chains <i>Tat Smith, University of Toronto, Canada</i></p>	
10:10	Coffee break	Poster presentation
11:00	<p>Session VII: Biogas integration in sustainable energy systems Chair: David Baxter</p>	<p>Session VIII: Quantifying climate change effects of bioenergy Chair: Annette Cowie</p>
	Introduction	Introduction
11:05	<p>Sustainable resource management and energy from organic wastes <i>Charles Banks, University of Southampton, UK</i></p>	<p>Perspectives and insights from research in the interface between bioenergy, climate science and forestry <i>Anders Strømman, University of Science and technology (NTNU), Norway</i></p>
11:25	<p>A perspective on algal biogas <i>Jerry Murphy, University College Cork, Ireland and Bernhard Drosig, BOKU-University of Natural Resources and Life Science, Austria</i></p>	<p>Using Life Cycle Assessment (LCA) to understand the climate change effects of biomass and bioenergy systems <i>Miguel Brandão, KTH Royal Institute of Technology in Stockholm, Sweden</i></p>
11:45	<p>Possibilities for biogas in electricity grid balancing <i>Jan Liebetrau, German Biomass Research Centre (DBFZ), Germany</i></p>	<p>Climate change effects of forestry systems <i>Leif Gustavsson, Sustainable Built Environment Group, Sweden</i></p>
12:05	<p>Biomethane production and gas grid injection <i>John Baldwin, CNG Services, UK</i></p>	<p>Tools for GHG assessment for biofuels: a comparison <i>Helena Chum, U.S. Department of Energy's National Renewable Energy Laboratory (NREL), USA</i></p>
12:30	Lunch	Poster presentation

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13:45	<p>Session IX Progress in the development and use of advanced liquid biofuels Chair: Jim McMillan</p>	<p>Session X Integrating energy recovery into solid waste management Chair: Pat Howes</p>
	<p>Introduction</p>	<p>Introduction</p>
13:50	<p>Boeing and sustainable aviation biofuel development <i>Richard Mills, Boeing, UK</i></p>	<p>An introduction to the needs of decision makers <i>Bettina Kamuk, ISWA, Ramboll, Denmark</i></p>
14:10	<p>High quality advanced biofuel from forest industry residues <i>Sari Mannonen, UPM Biofuels, Finland</i></p>	<p>Solid recovered fuels production and use in Europe <i>Giovanni Ciceri, RSE - Ricerca Sistema Elettrico, Italy</i></p>
14:30	<p>Green chemistry and biobased products: Chemtex approach based on Proesa® <i>Simone Ferrero, Biochemtex, Italy</i></p>	<p>Small scale energy from waste <i>Inge Johansson, SP Technical Research Institute of Sweden</i></p>
14:50	<p>Viability of different bio-jet-fuel conversion technologies from a market point view <i>Maarten van Dijk, skyNRG, Netherlands</i></p>	<p>An investigation into the growth of advanced conversion technology for thermal treatment of municipal and commercial and industrial wastes in the UK <i>Keith Riley, Vismundi Limited, UK</i></p>
15:20	<p>Plenary III Closing session - conclusions and perspectives Moderation: Arthur Wellinger</p>	
	<p>Personal summary of an industrial representative: <i>Richard Mills, Boeing, UK</i></p> <p>Personal summary of R&D representative: <i>Birger Kerckow, Agency for Renewable Resources (FNR), Germany</i></p> <p>Personal summary of policy representative: <i>Kees Kwant, Netherlands Enterprise Agency (RVO), Netherlands</i></p> <p>Personal summary of an international organisation representative: <i>Dolf Gielen, IRENA Innovation and Technology Center in Bonn (IITC), Germany</i></p>	
16:30	<p>Farewell</p>	
17:30	<p>End of conference</p>	

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Thursday, 29 October 2015 (optional)

Technical excursions & Side events	
09:00	Full day excursion (Tour 1) - The energy self-sufficient village of Feldheim
09:00	Full day excursion (Tour 2): VERBIO Ethanol plant in Schwedt
08:30	Half day excursions (Tour 3): Municipal wood-fired CHP plant in Berlin-Neukölln / Gropiusstadt
09:00	Half day excursions (Tour 4): Waste to energy plant and biogas plant in Ruhleben
09:30–16:00	SIDE EVENT: Expert workshop on wood log stoves
09:00–13:00	SIDE EVENT: Strategy Workshop – aviation fuels

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