

IEA Bioenergy Conference 2012 - Tuesday 13. November 2012

Tuesday 08:00 Registration Organization comitee

Opening Plenary Session: Initial welcome and Introduction

09:00	Initial welcome and Introduction	Moderation: <i>Spitzer J.</i>	Co-Chairperson IEA Bioenergy Conference	
		<i>Seidler S.</i>	Rector of Vienna University of Technology	
		<i>Kopietz H.</i>	First president of Wiener Landtag (Viennese Parliament)	
		<i>Bures D. (enquired)</i>	Federal Minister, Austrian Federal Ministry for Transport, Innovation and Technology	
	New energy era - from research into market implementation of Bioenergy	<i>Vogel T.</i>	Managing Director Climate and Energy Fund	
	Renewables – Policy and Market Design Challenges	<i>Frankl P.</i>	Head of Renewable Energy Division International Energy Agency	
IEA Bioenergy in a nutshell	<i>Kerckow B.</i>	IEA Bioenergy, Agency for Renewable Resources (FNR), International Cooperation		

10:30 **Coffee break and poster visions**

Hall I - Maria Theresia

Hall II - Sissi

Session I:

Session II:

Thermal Gasification of Biomass

Biorefineries: Co-production of Energy and Materials from Biomass

(Chair: Richard Bain)

(Chair: René van Ree)

11:00	I1	The status and future of bioSNG.	<i>van der Drift B.</i>	ECN		I11	Product developments in the bio-based chemicals arena	<i>de Jong E.</i>	Avantium Chemicals, Amsterdam	
11:20	I2	Thermal Biomass Gasification for CHP: Danish Success Stories	<i>Hansen M.</i>	Department for Biomass & Waste, FORCE Technology, Lyngby		I12	A new concept for a multiple feedstock biorefinery	<i>Jaeger A.</i>	University of Applied Sciences Upper Austria, Wels	
11:40	I3	platform for synthesis gas applications	<i>Rauch R.</i>	Bioenergy 2020+, Güssing		I13	The biorefinery approach to production of lignocellulosic ethanol and chemicals from lignocellulosic	<i>Johansen G.</i>	NBD&R&D, Borregaard, Sarpsborg	
12:00	I4	Synthesis of LPG from Biomass-derived Syngas	<i>Ogi T.</i>	National Institute of Advanced Industrial Science and Technology, Onogawa		I14	Identifying and assessing the most interesting biofuel-driven biorefineries until 2025	<i>Jungmeier G.</i>	Joanneum Research – Resources, Graz	
12:20	I5	SECTOR - Production of Solid Sustainable Energy Carriers from Biomass by Means of Torrefaction	<i>Schaubach K.</i>	DBFZ Deutsches Biomasseforschungszentrum, Leipzig		I15	Bioenergy potentials from agriculture considering global food security and sustainability aspects	<i>Schönleber N.</i>	Department of Farm Management, University of Hohenheim, Stuttgart	

12:40 **Lunch break**

Session III: Sustainable International Bioenergy Trade (Chair: Martin Junginger)				Session IV: Biomass Combustion - Small Scale Systems (Chair: Jaap Koppejan)					
13:40	III1	Overview of global solid and liquid biomass trade for energy	<i>Junginger M.</i> Copernicus Institute, Utrecht University		IV1	Annual efficiency of small scale biomass combustion systems	<i>Haslinger W.</i> Bioenergy 2020+, Small scale combustion systems, Wieselburg		
14:00	III2	The impact of sustainability certification on bioenergy markets	<i>Pelkmans L.</i> VITO, Mol		IV2	Modern logwood stoves – requirements, development and evaluation	<i>Schmidl C.</i> Bioenergy 2020+, Small scale combustion systems, Wieselburg		
14:20	III3	Lessons from 10 years of IEA Task work on global biomass market developments: drivers, impacts and	<i>Faaij A.</i> Copernicus Institute, Utrecht University		IV3	State-of-the-art and assessment of filter technologies for residential biomass combustion systems	<i>Obernberger I.</i> Institute for Process and Particle Engineering, Graz University of Technology		
14:40	III4	Potential future developments of international bioenergy trade	<i>Kranzl L.</i> Vienna University of Technology, Institute of Energy Systems and Electrical Drives		IV4	Particulate matter emissions from small-scale biomass combustion systems – characterisation and primary measures for emission reduction	<i>Brunner T.</i> BIOENERGY 2020+, Graz		
15:00	III5	IEA Bioenergy cooperation with Global Bioenergy Partnership (GBEP)	<i>Fritsche U.</i> International Institute for Sustainability Analysis and Strategy, Darmstadt		IV5	Toxicological characteristics of particulate emissions from biomass combustion	<i>Hirvonen M.</i> University of Eastern Finland, Department of Environmental Science, Inhalation Toxicology Laboratory, Kuopio		
15:20 Coffee break and poster session									
Session V: Biomass Feedstocks for Energy Markets (Chair: Göran Berndes)				Session VI: Socio-economic Drivers in Implementing Bioenergy Projects (Chair: Julije Domac)					
15:50	V1	Assessing the environmental performance of biomass supply chains – An effort under construction	<i>Schweinle J.</i> Johann Heinrich von Thuenen-Institute, Hamburg		VI1	Bioenergy, fuel poverty and rural development	<i>Domac J.</i> North-West Croatia Regional Energy Agency, Zagreb		
16:10	V2	Bioenergy and water: assessments and policies to support improved governance	<i>Berndes G.</i> Department of Energy and Environment, Division of Physical Resource Theory, Chalmers University of Technology, Göteborg		VI2	Sustainability indicators for socio-economic impacts of biofuels	<i>Rutz D.</i> WIP – Renewable Energies, Munich		
16:30	V3	Are multiple layers of governance	<i>Smith T.</i> Faculty of Forestry, University of Toronto, Ontario		VI3	Valorizing biomass – Strategies for financing bioenergy networks for	<i>Elbe S.</i> SPRINT – Research, Evaluation, Darmstadt		
16:50	V4	Forest energy in Finland and Sweden – technology and market development supporting economic	<i>Asikainen A.</i> Finnish Forest Research Institute, Joensuu		VI4	How to bond energy and people? – Assessing economic and social impacts of the SERVE project	<i>Opalic T.</i> North-west Croatia Regional Energy Agency, Zagreb		
17:10	V5	Biomass producer decision making: direct and indirect transfers in different spheres of interaction	<i>Gan J.</i> Department of Ecosystem Science and Management, Texas A&M University		VI5	-	-	-	
19:30 Reception by the Mayor of the city of Vienna - Heurigen Restaurant „Fuhrgassl Huber“ 19., Neustift am Walde 69									

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Wednesday 08:00 Registration

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Session VII:

Session VIII:

Energy from Biogas
(Chair: David Baxter)

Greenhouse Gas Balances of Bioenergy Systems
(Chair: Susanne Woesch-Gallasch)

09:00	VII1	Future challenges for AD to deliver economically and environmentally sustainable fuel and bioenergy	<i>Banks C.</i>	School of Civil Engineering and the Environment, University of Southampton		VIII1	Alternatives to use sugarcane residues to reduce greenhouse gas emissions	<i>Leal M.</i>	Brazilian Bioethanol Science and Technology Laboratory, Campinas	
09:20	VII2	Availability and viability of small on-farm biogas plants	<i>Bachmann N.</i>	EREP SA, Aclens		VIII2	Accounting for biogenic GHG emissions from electric power plants: A practical framework to	<i>McDow W.</i>	Environmental Defense Fund, Raleigh	
09:40	VII3	Management of digestate quality for utilization as fertilizer	<i>al Seadi T.</i>	BIOSANTECH, Esbjerg		VIII3	Climate impact of forest bioenergy: contributions from biogenic CO2 and albedo	<i>Cherubini F.</i>		
10:00	VII4	Overview of the options for grid injection of biomethane in The Netherlands	<i>Butenko A.</i>	DNV KEMA Energy and Sustainability, Groningen		VIII4	Land use in life cycle assessment of greenhouse gas emissions	<i>Soimakallio S.</i>	VTT Technical Research Centre of Finland, Tekniikantie	
10:20	VII5	Biomethane as a vehicle fuel made from upgraded biogas and used locally or after pipeline injection	<i>Persson T.</i>	Swedish Gas Technology Centre, Malmö		VIII5	Biomass for bioenergy or biochar: which delivers greater climate benefits?	<i>Cowie A.</i>	Rural Climate Solutions, University of New England / NSW Department of Primary Industries, Armidale	

10:40

Coffee break and poster presentation

Session IX:

Session X:

Commercializing Liquid Fuels from Biomass
(Chair: Jim Mc'Millan & Jack Saddler)

Integrating Energy Recovery into Solid Waste Management
(Chair: Pat Howes)

11:10	IX1	UPM – Producing the fuels of the future	<i>Mannonen S.</i>	UPM Biofuels, Helsinki		IX1	Integration of energy recovery into solid waste management	<i>Howes P.</i>	AEA, The Gemini Building, Harwell, Didcot	
11:40	IX2	Abengoa's work on 2nd gen biofuels	<i>Chacartegui C.</i>	Abengoa Bioenergía Nuevas Tecnologías, Palma Alta		IX2	Integration of processes for optimizing resource recovery from waste streams	<i>Schüssler I.</i>	SP Technical Research Institute of Sweden, Borås	
12:00	IX3	Proesa® technology: the industrial solution for cellulosic ethanol projects	<i>Chiaramonti D.</i>	University of Florence		IX3	Management of residues from waste-to-energy processes	<i>Vehlow J.</i>	Karlsruhe Institute of Technology, Institute for Technical Chemistry, Eggenstein-Leopoldshafen	
12:20	IX4	Transportation fuels from biomass via IH2 technology	<i>McLeod C.</i>	CRI Catalyst Company, Houston		IX4	Renewable energy from mixed fuels:	<i>Martignon G.</i>	RSE SpA, Research on Energy Systems-Environment and Sustainable Development Department, Milan	
12:40	IX5	Conversion routes to cellulosic alcohol – Proving second generation processes in practical demonstration	<i>Lehr M.</i>	Vogelbusch Biocommodities, Vienna		IX5	-	-	-	-

12:40

Lunch and poster presentation

Session XI:

Cross-cutting Topics
(Chair: Sandra Hermle)

Session XII:

Pyrolysis of Biomass
(Chair: Doug Elliot)

14:00	XI1	The Government Role in Renewable Energy Systems: The Importance of	White W.	NRCan, Canadian Forest Service, Northern Forestry Centre, Edmonton		XII1	Bio-oil ≠ Bio-oil - Major differences in properties and use of fast pyrolysis bio-oil compared to fossil fuels and other bio-oils	Oasmaa A.	VTT Technical Research Centre of Finland, Espoo	
14:30	XI2	Integrated policies to develop a regional biomass heating market	Oehlinger C.	O.Ö. Energiesparverband, Linz		XII2	Challenges and opportunities with an industrial-scale integrated bio-oil plant	Autio J.	Metso Power, Tampere	
14:50	XI3	Bioenergy Policies for Sustainable Development in Africa	Janssen R.	WIP – Renewable Energies, Munich		XII3	Demonstration of fast pyrolysis on an industrial scale in the Netherlands – the EMPYRO project	Muggen G.	BTG Bioliquids, Enschede	
15:10	XI4	To be announced	Bird N.	Joanneum Research, Graz		XII4	RTP™ rapid thermal processing – an update from envergent	Streff M.	Envergent Technologies, Des Plaines	
15:30	XI5	Energy-smart food for people and climate	Sims R.	Centre for Energy Research, Massey University, Palmerston North		XII5	The bioCRACK process – a new approach for a refinery integrated biomass-to-liquid concept	Pucher P.	BDI – BioEnergy International AG, Grambach	

Closing Plenary Session: Conclusions and Perspectives

16:00	Conclusions and Perspectives	Moderation: Ammer M.	Co-Chairperson IEA Bioenergy Conference	
	Personal summary of an industrial representative	Anzengruber W. (enquired)	Verbund AG	
	Personal summary of R&D representative	Kerckow B.	FNR	
	Personal summary of R&D representative	Wellinger A.	Triple E&M	
	Personal summary of policy representative	Brown A. (enquired)	Renewable Energy Department IEA Paris	
	Personal summary of policy representative	Eisentrauth A. (enquired)	Renewable Energy Department IEA Paris	

17:00

End of Conference