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Biological conversion - fermentation, enzymatic processes

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VP3.3.6	Transesterification of Vegetables Oil in Subcritical Methanol Conditions <i>J.M. Encinar, J.F. González, G. Martínez, A. Pardal</i>	1779
VP3.3.7	Biodiesel from Avocado Seeds Oil as Engine Fuel <i>J.N. Ntihuga, C. Bitwayiki</i>	1785
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VP3.3.23	Results from the 3-Year VOICE Project on Full-Chain of Pure Vegetable Oil in S. Europe: Production and Use in Technologies <i>D. Chiaramonti, M. Prussi, F. Martelli</i>	1810
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VP3.5.3	Development of Process Routes for Synthetic Biofuels from Biomass (BTL) <i>G. Weber, A. Potetz, R. Rauch, H. Hofbauer</i>	1829

VP3.5.5	Catalytic Cracking of Pure Fatty Acids in a Continuous Small Scale Pilot Plant <i>P. Bielansky, A. Reichhold, C. Schönberger, A. Weinert</i>	1834
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VP3.5.10	Simulation and Optimisation of Wheat Straw Autohydrolysis to Fermentable Sugars for Bio-ethanol Production <i>D.K. Sdiras</i>	1851
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VP3.5.18	A Comparative Study on Lignocellulose Pretreatments for Bioethanol Production from Cotton Stalk <i>I. Haykir, U. Bakir</i>	1861
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VP3.5.21	Biotechnological Upgrade of Fruits Waste Biomass: A Preliminary Assessment <i>M. Zazpe, I. Ortigosa, I. del Campo, I. Alegria, O. Martinez, I. Echeverría, M.J. Saiz, A. Romo, E. Garayoa, C.J. González, P. Pouech, C. Ferrer, C. Galibardy</i>	1865
VP3.5.22	Wheat Straw, Household Wastes and Hay as a Source of Lignocellulosic Biomass for Bioethanol and Biogas Production <i>A.M. Tomczak, M. Bruch, J.B. Holm-Nielsen</i>	1873

Industrial demonstration and market implementation

ORAL PRESENTATIONS: OB6, OB9, OD2, OD6, OD9

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OD6.5	Spray Combustion Characteristics and Emissions of Biomass Fast Pyrolysis Liquid (Bio-Oil) in a Swirl Stabilized Burner <i>T. Tzanetakis, N. Farra, S. Moloodi, A. McGrath, M.J. Thomson</i>	1910

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- OC10.5 Analysis of Possible Harvest and Logistical Systems for Cultivation of Short Rotation Willow Coppice under Swedish Conditions
A. Baky, M. Forsberg, N. Jonsson, M. Sundberg, H. Rosenqvist
- OD1.2 Utilisation of Biofuel Consuming Energy Plants' Ash Material Flows in Eastern Finland
H. Soininen, L. Mäkelä, A. Valkeapää
- OD1.5 Biomass Sourcing and Logistics
E. Steinbeis
- OD4.1 Rooting Characteristics and Aboveground Biomass Development of Sweet Sorghum and Ethanol Maize under Water Deficit
W. Zegada-Lizarazu, A. Zatta, D. Matteucci, L. Barbanti, A. Monti
- OD4.2 Sweet Sorghum - an Alternative Energy Crop
R. Janssen, D. Rutz, S. Braconnier, B. Reddy, S. Rao, R. Schaffert, R. Parella, A. Zaccharias, N. Rettenmaier, G. Reinhardt, A. Monti, S. Amaducci, A. Marocco, W. Snijman, H. Terblanche, F. Zavala-Garcia
- OD4.3 Performance of Cardoon Oilseed Cake in Soil Substrates
M.D. Curt, M. Sanz, P.L. Aguado, G. Sánchez, J. Fernández
- OD4.4 Energy Production from Sea Lettuce (*Ulva Lactuca*)
L. Nikolaisen, J. Dahl, K.S. Bech, A. Bruhn, M.B. Rasmussen, A.B. Thomsen, H.B. Nielsen, B. Sander
- OD7.2 Biogas Digestates as Organic Fertilizer in Different Crop Rotations
B. Formowitz, M. Fritz
- OD7.3 Exploitability of *Cynara Cardunculus* L. for Biomass and Biodiesel Production in Mediterranean Environment
S. Lanteri, E. Portis, G. Mauromicale, R. Mauro, A.M.G. Longo
- OD7.5 Future Non-Food Crops (Fuel and Fibre) in EU27: Yields and Raw Material Characteristics
E. Alexopoulou, S.L. Cosentino, R. Kozłowski, A. Monti

- OE1.1 Effects of Temperature and Water Potential on the Emergence of Miscanthus and the Germination of Switchgrass
C. Demay, S. Cadoux, H. Boizard, C. Dürr
- OE1.2 A New Methodological Study to Allocate Energy Crops at Different Scale Levels: a Multidirectional Approach
N. Di Virgilio, S. Fazio, A.L. Fernando, A. Monti
- OE1.4 Energy from Algae: Growth Optimization and Algae-to-Fuel Conversion Routes
L. Garcia Alba, J. De Weerd, A.M. Verschoor, W.P.M. van Swaaij, D.W.F. Brilman
- OE1.5 SRC Poplar Clonal Trials in Poland and Italy
G. Faccioto, L. Vietto, S. Bergante, L. Rosso, J. Rakestraw
- OE4.1 Effect of Propagation Techniques on Crop Establishment of Giant Reed (*Arundo Donax* L.)
M. Di Candilo, E. Ceotto
- OE4.3 Optimisation of Energy Crop Production under Dry Climatic Conditions
C. Leonhartsberger, A. Bauer, D. Ilic, T. Amon
- OE4.4 Biomass Productivity of Different Energy Crops under French Conditions. Results of the "Regix" Experimental Network
S. Cadoux, S. Briand, B. Chabbert, A. Besnard, I. Félix, M.L. Savouré, S. Marsac, M. Preudhomme, F. Labalette, H. Boizard

Thermochemical conversion - gasification for power and CHP and polygeneration

ORAL PRESENTATIONS: OA1, OA4, OA7, OA10

- OA1.1 Efficient Utilisation of Industrial Residues and Waste with High Biomass Content Using Biomass Gasification
V. Wilk, H. Hofbauer
- OA1.2 Design of a High Temperature Chamber Fed by a Plasma Torch for Thermal Removal of Tars: First Results
A. Fourcault, F. Marias, U. Michon
- OA1.3 Investigation of Grass Gasification in a Bench Scale Fluidised Bed Reactor Towards an IGCC Application
J. Judex, M. Wellinger, C. Ludwig, S.M.A. Biollaz
- OA4.1 Production of Producer Gas with Low Tar and a High Heating Value from Construction Woody Waste by Air Gasification in a Two-stage Gasifier Using Activated Carbon
T.-Y. Mun, J.-O. Kim, J.-W. Kim, J.-S. Kim
- OA4.2 Gasification of Herbage in Supercritical Water, Experimental Results
N. Boukis, M. Neumann, U. Galla, E. Dinjus
- OA4.3 The Description and Optimisation of a Continuous Wood Char Bed Gasification Reactor
G. Teixeira, L. Van de Steene, S. Salvador, E. Martin, S. Kohler, J.L. Dirion
- OA4.5 Supercritical Water Gasification of Layer Poultry Manure, Swine Manure and Cattle Manure with Pilot Scale Plant
A. Nakamura, Y. Shimizu, Y. Matsumura, T. Minowa, Y. Noda, Y. Kawai
- OA7.1 Syngas Production by Steam-Oxygen Gasification of Biomass and its Cleaning by Bio-Diesel and Water Scrubbing
C. Freda, E. Fanelli, F. Nanna, G. Canneto, G. Braccio, A. Villone, D. Barisano, E. Alvino, M. Villani, O. Carnevale, G. Petrocelli, A. Battafarano, M. Corrado, G. Pinto, V. Mannarino
- OA7.2 Investigation of Tar Properties for Tar Removal by Scrubbing
D. Fuentes, G. Claro, S. Nilsson, A. Gómez-Barea, P. Ollero

- OA7.3 On the Significance of Methyl Chloride in Gasification Processes
H. Egsgaard, J. Ahrenfeldt, U.B. Henriksen
- OA7.4 Characterisation and Potential Applications of Soot Particles Produced in a Commercial Biomass Gasification Plant
G. San Miguel, M. Hernández, J. Sánchez-Caba
- OA7.5 In-situ Chemical Hot Gas Cleaning in Fluidized Bed Steam Gasification of Biomass
M. Stemmler, M. Müller
- OA10.1 Online-monitoring of Tar with a Compact Tar-Analysis Device based on Photon Induced Fluorescence
Y. Neubauer, R. Sun, N. Zobel, F. Behrendt
- OA10.2 Preparations for a 10 MWth Bio-CHP Demonstration Based on the Milena Gasification Technology
C.M. van der Meijden, P.C.A. Bergman, A. van der Drift, B.J. Vreugdenhil
- OA10.3 Separation of FAME-in-Water Emulsion out of Producer-Gas Scrubbers A Performance Analysis under Different Boundary Conditions
M. Strigl, A. Hofmann, G. Kreutner, J. Krueger, M.B. Huber
- OA10.5 Gasification of Char from Dried Sewage Sludge with Steam and CO₂ in Fluidized Bed
S. Nilsson, G. Claro, A. Gómez-Barea, D. Fuentes-Cano, P. Ollero

Thermochemical conversion - gasification for synthesis gas production

ORAL PRESENTATIONS: OB1, OB4, OB8

- OB1.1 Behaviour of Inorganic Compounds During the Gasification of Dried Sludge
C. Bourgel, R. Boigelot, J. Poirier, F. Defoort, M-L. Bouchetou, S. Brassamin, D. Zanghi, C. Peregrina
- OB1.2 Advances Gained During ANAPUR Project for Inorganic Trace Measurements in Syngas from Steam Gasification of Woody Biomass
F. Defoort, S. Thiery, P. Castelli, A. Puech, B. Grangier, S. Ravel, J. Guillaudeau, C. Verne-Tournon, O. Guerrini, A. Louvat
- OB1.3 Sulphur Diagnostics in Product Gases at High and Very Low Concentrations: a Contribution to a Future "Sulphur Protocol"
S. Bihl, M. Rechulski, J. Schneebeil, S.M.A. Biollaz
- OB1.4 Hot Gas Cleaning of Biomass Derived Syngas by Catalytic Filter Candles
C. Varga, S. Koppatz, C. Pfeifer, H. Hofbauer
- OB1.5 Soot Formation in Reverse Flow Reforming of Biomass Gasification Producer Gas
H. Svensson, P. Tunå, J. Brandin
- OB4.3 Combined Optimization of Fast Pyrolysis and Catalytic Reforming of Pyrolysis Oil to Produce Renewable Syngas from Biomass Residues
R.P. Balegedde Ramachandran, R.J.M. Westerhof, G. van Rossum, W.P.M. van Swaij, D.W.F. Brilman, S.R.A. Kersten
- OB4.5 Study of the Influence of Total Pressure on Products Yields in Fluidized Bed Gasification of Wood Sawdust
S. Valin, S. Ravel, J. Guillaudeau, S. Thiery
- OB8.1 Tar Removal in a Catalytic Ceramic Candle Filter Unit at High Temperatures
E. Simeone, R. Pal, M. Nacken, S. Heidenreich, A.H.M. Verkooijen, W. de Jong
- OB8.5 Biomass Gasification for Syngas Generation in a 100 KWth Steam-Oxygen Blown CFB Gasifier - Gas Quality Optimization and Tar Reduction
M. Siedlecki, A. Litinas, W. de Jong

Thermochemical conversion - pyrolysis for power, CHP, polygeneration and chemicals

ORAL PRESENTATIONS: OB5, OB8, OB11

- OB5.1 Thermal Conversion of Biomass by Microwave Energy - First Results with Wood
G. Schrammel, C. Paisler, H. Krug, R. Rauch, H. Hofbauer
- OB5.2 Valorisation of Low Grade Biomass by Using Low Temperature Pyrolysis
M. Halwachs, G. Kampichler, S. Kern, H. Hofbauer
- OB5.3 Fluid Dynamics in Ikerlan-IK4 Pilot Plant Spouted Bed Reactor at High Temperatures
J. Makibar, A.R. Fernandez-Akarregi, I. Alava, F. Cueva, M. Olazar
- OB5.4 A Structural Model for Biomass Devolatilization
E. Biagini, M. Falcitelli, L. Tognotti
- OB5.5 Characterization of Fast Pyrolysis of Biomass Wastes using a Heated Grid Reactor: Nitrogen Chemistry and Reactor Modeling
J. Giuntoli, J. Gout, A.H.M. Verkooyen, W. de Jong
- OB11.1 Pyrolysis of Organic Compounds for Energy Production, Materials Recovery and Environmental Safeguards
A. Moriconi
- OB11.2 Rotary Kiln Pyrolysis - First Results of a 3 Mw Pilot Plant
S. Kern, M. Halwachs, T. Pröll, G. Kampichler, H. Hofbauer
- OB11.3 Pyrolysis Biochar Systems: Comparison of Climate Change Mitigation Effects of Slow, Intermediate and Fast Pyrolysis Processes
P.A. Brownsort, O. Mašek

Thermochemical conversion - combustion and co-combustion

ORAL PRESENTATIONS: OA2, OA5

- OA2.1 Advancements in RDF Co-firing Demonstration Project at Enel Fusina Power Plant
S. Lattanzi, N. Rossi, C. La Marca, S. Gasperetti, D. Dalle Mura, G. Molina, V. Fantini, A. Cavaliere
- OA2.2 Biomass-Coal Flame Monitoring by Digital Image Processing in a Semi-Industrial Combustion Pilot Plant
A. González, B. Peña, A. Gil
- OA5.1 Characterization and Quantification of Deposits Buildup and Removal in Biomass Suspension-Fired Boilers
M.S. Bashir, P.A. Jensen, F. Frandsen, S. Wedel, K. Dam-Johansen, T. Wolfe, S.T. Pedersen, J. Wadenbäck
- OA5.2 Kinetics of the Thermal Decomposition of Biomass and the Influence of Alkali Metals on these Kinetics
A. Saddawi, J.M. Jones, A. Williams
- OA5.3 Simple Prediction of Ash-Related Problems Directly from Biofuels
M.H. Piispanen, M.S. Tiainen, R.S. Laitinen
- OA5.4 Combustion of Two Imported Biomass Feedstocks for Co-firing in the UK
B. Gudka, X.C. Baxter, L.I. Darvell, J.M. Jones, A. Saddawi, A. Williams, A. Malmgren, P.J. Kilgallon, N.J. Simms

Thermochemical conversion - combustion for small scale applications

ORAL PRESENTATIONS: OA8, OA11, OB2

- OA8.1 Optimisation of Biomass Grate Furnaces with a New 3D Packed Bed Combustion Model - On Example of a Small-Scale Underfeed Stoker Furnace
R. Mehrabian, R. Scharler, A. Weissinger, I. Obernberger
- OA8.2 Development of a New State of Technology of Water Heating Stoves for Low and Passive Energy Houses
W. Haslinger, M. Schwarz, M. Staudinger, F. Figl, G. Friedl
- OA8.3 Long-Term Monitoring of Small Pellet Boiler Based Heating Systems in Domestic Applications
C. Schraube, T. Jung, J.-Y. Wilmotte, C. Mabilat, F. Castagno
- OA8.4 Monitoring of Precipitators
T. Ulbricht, V. Lenz, C. Schraube
- OA8.5 Conception of a New System for Pollution Abatement for Small Scale Wood Appliance
G. Hector, C. Courson, Y. Rogaume, A. Kienneman, C. Rogaume, J. Mendiboure, M.L. Rabot Querci
- OA11.1 Reduction of Finest Particle Emissions from Small-Scale Combustion Plants with Solid Biofuels - Results of Pilot Joint Call Projects in Germany
A. Stanev
- OB2.1 30 years of Externally Fired Gas Turbine (EFGT) Fed with Biomass: what next?
E. De Martel, C. Schoennenbeck, F. Castagno, L. Lelait, G. Trouvé, G. Leysens, Y. Rogaume, G. Martin, B. Chieze
- OB2.2 Assembling, Commissioning and First Start-Up of a Micro Gas Turbine CHP Plant Supplied by Biomass (BIO_MGT)
G. Riccio, A. Spadi, D. Chiamonti, F. Martelli
- OB2.3 An Externally Fired Micro Gas Turbine Plant for Combined Heat and Power Generation from Solid Biomass: a Practical Experience
S. Barsali, R. Giglioli, D. Poli, M. Cellini
- OB2.4 Evaluating the Transient Behaviour of Biomass Based Micro-CHP Systems - Steam Piston Engine and Integrated Thermoelectric Power Generation
G. Friedl, A. McCarry, S. Aigenbauer, W. Moser, E. Höftberger, W. Haslinger

Biological conversion - fermentation, enzymatic processes

ORAL PRESENTATIONS: OA3, OA6, OA9

- OA3.1 The Use of Dehydrogenases for Regenerating β -Nicotinamide Adenine Coenzymes through Discontinuous and Continuous Processes
D.Z. Andreotti, E.J. Tomotani, M. Vitolo
- OA6.2 Converting Renewable Resources into Hydrocarbons
M. Delcourt, M. Anissimova, V. de Bérardinis, B. Desmazières, V. Legros, S. Mazaleyrat, R. Tallon, R. Chayot, P. Marlière
- OA6.3 Development of the Efficient Conversion System of Kitchen Waste to Bio-Ethanol and Biogas
N. Osaka, T. Takahashi, Y. Koike, S. Morimura, Tang, Y.-Q., K. Kida
- OA6.4 Improved Saccharification of Wheat Straw for Biofuel Production Using an Engineered Secretome of *Trichoderma Reesei*
J.-M. Sonet, C. Ayrinhac, C. Ullmann, N. Lopes Ferreira, H. Mathis, A. Margeot, F. Monot, L. Fourage
- OA6.5 Kinetic Modeling of Pure Cellulases Involved in Enzymatic Hydrolysis of Cellulose
M. Chauve, N. Lopes Ferreira, D. Casanave, D. da Silva Perez, S. Perez

- OA9.3 Multifunctional Anaerobic Baffled Reactor (MABR) a Fermentation Technology which Integrates Anaerobic Digestion, Separation and Purification of Methane, Hydrogen and CO₂
J. Born, H. Schneider
- OA9.4 Energetic Valorisation of End-Liquid Products of H₂ Fermentation
B. Ruggeri, T. Tommasi
- OA9.5 Presaccharification of Two-Step Pretreated Sugarcane Bagasse
E. González, L. Mesa, I. Romero, E. Ruiz, E. Castro

Biomass chemistry

ORAL PRESENTATIONS: OA12, OB7, OB10

- OA12.1 Hydrothermal Conversion Pathway of Monosaccharides and Phenolic Dimers as Lignocellulosic Models at 370°C, 25 MPa
J. Barbier, N. Charon, N. Dupassieux, A. Loppinet-Serani, L. Mahé, J. Ponthus, M. Courtiade, A. Ducrozet, F. Cansell
- OA12.2 Fractionation of Lignocellulosic Biomass by an Organosolv Process for Co-Production of Fuels and Chemicals within a Biorefinery
W.J.J. Huijgen, J.H. Reith, P.J. de Wild, H. den Uil
- OA12.3 How to make 600kg Gasoline from One Ton of Grass
Z. Zhu
- OA12.4 Production of Furfural and Ethanol from Sugar Cane Bagasse
E. González, L. Mesa, M. Morales, I. Romero, C. Cara, M. Moya
- OB7.2 Liquefied Wood - Advanced Characterization of Lignin-Based Polymer
E. Jasiukaitytė, M. Kunaver, C. Crestini
- OB7.4 Innovative Technologies for Production of Highly Pure Substances and Bio Fine Chemicals from Plants
C. Jurischka, A. Peda, S. Narra, M. Smieszek, P. Ay, C. Stollberg, M. Kay
- OB7.5 Mechanistic Studies of the Lignin to Liquid (LtL) Conversion Process
B. Holmelid, M. Kleinert, T. Barth
- OB10.3 Substitution of Mineral Solvents by Modified Vegetable Esters in Asphalt Industry: from the Research to the Market
A. Piccirilli, C. Deneuvillers
- OB10.5 The Twin-Screw Extrusion Technology, an Original and Powerful Solution for the Biorefinery of Sunflower Whole Plant
P. Evon, V. Vandenbossche, P.Y. Pontalier, L. Rigal

Biomass torrefaction

ORAL PRESENTATIONS: OB3

- OB3.4 Process and System Integration Aspects of Biomass Torrefaction
K. Håkansson, A. Nordin, M. Nordwaeger, I. Olofsson, M. Svanberg
- OB3.5 New Pilot Plant for Biomass Torrefaction
J. Celaya, I. Goni, J. Gil, I. Echeverría

Fuels from biomass

ORAL PRESENTATIONS: OC2, OC5, OC8, OD2, OD5, OD8, OE2, OE5

- OC2.1 Forest Fuel Availability, Harvesting Costs and Economy of Wood Fired CHP in Europe in the Light of Case Studies in Poland, Czech Republic, France and Western Russia (2005-2009)
M. Virkkunen, A. Leinonen, J. Raitila, M. Flyktman, V.-P. Heiskanen
- OC2.3 Physical Characterization of Brazilian Agricultural and Forestry Residues Aiming the Production of Energy Pellets
B. Missagia, S. Narra, C. Guerrero, H.J. Krautz, P. Ay
- OC2.4 Carbon Balance of Forest Residue Collection and Combustion in Southern-Finland
M. Kujanpää, J. Eggers, H. Verkerk, T. Helin, M. Lindner, H. Wessman
- OC5.1 Pelletisation of Cereal Straws as a Source of Energy after Specific Comminution Processes
S. Narra, C. Glaser, H.-J. Gusovius, P. Ay
- OC5.4 Optimisation of Pine Sawdust Pelletisation Conditions
I. Mediavilla, L.S. Esteban, J.E. Carrasco
- OC5.5 Large Scale Utilization of Biopellet for Energy Applications
J. Dahl
- OC8.1 Woody Biomass from Short Rotation Coppice - An Option for Sustainable Feedstock Supply
R. Wirkner, J. Witt, D. Thraen
- OC8.4 The Development of Production and Use of Reed Canary Grass in Finland
T. Paappanen, T. Lindh, J. Kärki, R. Impola, S. Rinne, T. Löttönen, A.-M. Kirkkari, R. Taipale, T. Leino
- OC8.5 Rapid Determination of Moisture Content in Wood Logs
K. Reisinger, H. Hartmann, P. Turowski
- OD2.1 Sustainable Ethanol Production in Regional Plants from Grain. Energy and Ecobalances Regarding the EU-RED
T. Senn, S. Majer, B. Sprenger
- OD2.4 Bioethanol from Cassava for a Community Project
S. Marx, T.Y. Nquma, G.O. Obiero
- OD5.3 Industrial Demonstration of Second Generation Bioethanol Production in Italy: The BIOLYFE Project
D. Chiaramonti, A. Giovannini, A. Frattini, L. Oriani
- OD5.5 Biomass based Advanced Biofuels: the INEOS Bio European Feasibility Case
D. Douay
- OD8.1 The Production of Fungible Fuels from Biomass via Integrated Hydrolysis and Hydroconversion (IH2)
T. Marker, L. Felix, M. Linck, M. Roberts
- OD8.5 Hemicellulose Extraction from Softwood Chips for Bioethanol Production in a Cellulosic Fibre Production Mill
C. Chirat, D. Lachenal, L. Boiron, G. Papon, J.A. Lloyd, I. Suckling
- OE2.1 2nd Veg Oil Project Demonstration of 2nd Generation Vegetable Oil Fuels in Advanced Engines
C. Guillot
- OE2.2 Neat and Supported Lanthanum Oxides as New Catalysts for Simultaneous Transesterification and Esterification in the Biodiesel Production
W.F. Hoelderich, B.M.E. Russbueldt, M.M. Maronna

- OE2.4 Biodiesel Greenhouse Gas and Energy Balances in Farm-Scale Production
M. Laihanen, E. Jäppinen, T. Ranta
- OE5.1 Catalytic Partial Oxidation of Model Biogas using Plasma-Assisted GlidArc Reactor
M.H. Rafiq, F. Owrang, J.E. Hustad
- OE5.2 A Novel Process for Biogas Upgrading
T. Mayer, M. Url, H. Hofbauer
- OE5.3 Catalytic Hydrothermal Gasification of Biomass for SNG Production: New Results from Processing Pure and Crude Glycerol
M. Schubert, J. Müller, F. Vogel
- OE5.5 SunChem - Techno-Economic Analysis of the Hydrothermal Conversion of Algae to Bio-Methane
M. Brandenberger, J. Matzenberger, F. Vogel, C. Ludwig

Industrial demonstration and market implementation

ORAL PRESENTATIONS: OB6, OB9, OD2, OD6, OD9

- OB6.2 Development of Integrated Lignocellulose Biorefinery for Co-Production of Chemicals, Transportation Fuels, Electricity and Heat
J.H. Reith, R. Van Ree, R. Capote Campos, R.R. Bakker, P.J. de Wild, F. Monot, B. Estrine, A.V. Bridgwater, A. Agostini
- OB6.3 ARD, the Heart of the Biorefinery Research and Innovation Platform
P. Piot
- OB6.5 The Design of Knowledge Governance for Collective Exploration: the Case of IAR Cluster in the New Bio-Based Activities
L. Daadaoui, L. Sauvéee
- OB9.1 Closing the Loop: Optimising Food, Feed, Fuel and Energy Production Opportunities in the UK
C. Jamieson
- OB9.2 Good Use of Biomass for a Level Playing Field
K.W. Kwant, G. Bergsma, C.N. Hamelinck, J. Sanders
- OB9.3 BioFuelCombines - From Pilot to Business Case
J. Lindstedt
- OB9.5 Influencing Factors on the Wood Pellet Price Development on Selective European Markets
C. Hennig, J. Witt
- OD6.3 Buying Behaviour Related to Heating Systems in Germany
T. Decker, M. Zapilko, K. Menrad
- OD6.4 Life Cycle Assessment of a Straw-Based Energy Supply System for Organic Arable Farms
M. Kimming, C. Sundberg, Å. Nordberg, A. Baky, S. Bernesson, O. Norén, P.-A. Hansson
- OD6.5 Spray Combustion Characteristics and Emissions of Biomass Fast Pyrolysis Liquid (Bio-Oil) in a Swirl Stabilized Burner
T. Tzanetakos, N. Farra, S. Moloodi, A. McGrath, M.J. Thomson
- OD9.1 Using Biomass-Based Fuels Including Pyrolysis Liquids for Power and CHP Production
B. van de Beld, J. Vos, J. Florijn, A. Kronberg, M. Glouchenkov, M. Sprenkeler, D. Chiamonti, A.M. Rizzo, V. Kirillov, N. Khripach, L. Lezhnev, B. Papkin, A.V. Bridgwater, E. Wylde, A. Alcalá, S. Silin
- OD9.2 Pure Vegetable Oil Fuels for CHP - Technical, Economical and Sustainability Aspects under German Conditions
K. Thuneke, P. Emberger

- OD9.3 Electrification of an Isolated Amazonian Community using Biomass Resources: a Case Study
A. da Costa Almeida, J.H. Araujo Monteiro, B. Ramati Pereira da Rocha
- OD9.5 Biogas Production from Zootechnical Biomasses
S. Cattaneo, E. Cremonesi

Policies and ensuring sustainability

ORAL PRESENTATIONS: OC3, OC6, OC9, OC11, OC12, OD3, OE3, OE6

- OC3.1 Testing the European Union Sustainability Criteria for Biofuels - Case Study of Waste-Derived Ethanol
K. Koponen, S. Soimakallio, E. Sipilä
- OC3.2 The Implementation of New European Pellet Norm (prEN14961-2) by a Pellet Certification Scheme Called ENplus
M. Bentele, S. Proske
- OC3.3 Support for Sustainable Biomass Production
K.W. Kwant, J. Veerkamp, E. Lammers, M. Op de Coul
- OC6.1 Roundtable on Sustainable Biofuels
S. Haye
- OC6.2 Roadmap to the RSB Tool: Extension of the Sustainability Quick Check for Biofuels (SQCB) for Greenhouse Gas Calculations According to the European Renewable Energy Directive (RED)
M. Faist Emmenegger, J. Reinhard, R. Zah, V. Junquera, M. Guiramand, A. Kopse
- OC6.3 Experiences from the Implementation of the European Renewable Energy Directive (RED) in Germany
K.J. Hennenberg, R. Herrera
- OC6.4 The Bioenergy and Water Nexus
M. Otto, P. Leagnavar, J. Malavelle, J. Metzler
- OC6.5 GHG Emissions for Biofuel Production Based on Cassava and Palm Oil in Thailand
W. Siemers
- OC9.2 The Biomass Futures Project
C. Panoutsou, A. Bauen, H. Bottcher, S. Leduc, E. Alexopoulou, J. Eleftheriadis, U. Fritsche, K.J. Hennenberg, A. Uslu, B. Elbersen, K. van Diepen, C. Bowyer, P. Capros
- OC9.3 Finnish Biorefinery - New Biomass Products Programme – RD&D on Biofuels and Biorefining in Finland
T. Mäkinen, J. Leppälähti
- OC9.4 Prospective Analysis of Biomass Resources and Technology Roadmap for France: Results from the VALERBIO Project
G. Guerassimoff, E. Assoumou, N. Forsell, N. Maïzi
- OC9.5 The Rhône-Alpes Region, a Territory in Europe and an Actor in the Development of Wood Energy
V. Borroni
- OC11.1 Soil Organic Carbon Enrichment and Carbon Sequestration from Residual Biomass through Pyrolysis and Bio-Char Application to Soils: Preliminary Assessment in the Ravenna Province Countryside
L. Benini, C. Torri
- OC11.2 Salt of the Earth
A. Gathorne-Hardy, J. Mercier
- OC11.3 Modelling Impact of Climate Change on Willow and Miscanthus Potential Productivity in Poland
J. Kozyra, A. Faber, K. Mizak, M. Borzecka-Walker, R. Pudelko

- OC11.4 Opportunities and Barriers of Energy Crops at European Level - Success Stories and Strategies for Promoting the Production and Utilisation of Energy Crops in Different EU Regions
M. Cocchi, A. Grassi, S. Capaccioli, T. Laitinen, A. Lehtomäki, P. Rechberger, T. Lötjönen, K. Pahkala, S. Xiong, M. Finell, M. Salve, W. Gabauer, D. Dörrie, M. Köttner
- OC11.5 Short-Term Global Warming Mitigation Costs of Fischer-Tropsch Diesel Production and Policy Scenarios in Norway
R.M. Bright, A.H. Strømman
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4th BIOMASS INDUSTRY FORUM - Wednesday, 5 May 2010

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BIOMASS FOR ENERGY - FINAL REPORT OF THE NATIONAL PROGRAMME REGIX - Tuesday, 4 May 2010

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