

CONFERENCE PROGRAMME
THURSDAY, 15 JUNE 2017

09:00	2DO.1 T2.6	4DO.2 T4.3	3DO.3 T3.1	1DV.1 T1.1/1.2/ 1.5	EXHIBITION
10:30	Break				
10:45	2DO.4 T2.6	4DO.5 T4.3	3DO.6 T3.3	1DV.2 T1.3/1.4/ 1.6	
12:15	Lunch Break				
13:30	3DO.7 T3.4	4DO.8 T4.4	3DO.9 T3.1	IDV.3 Industry	
15:00	Break				
15:15	Conference Closing Keynote presentation The highlights of the conference Panel discussion Student awards 2017 - Poster awards 2017 Conclusions				
16:45					

THURSDAY

1 Biomass Resources T1.1 Biomass potentials and biomass mobilisation T1.2 Biomass feedstock, residues and by-products T1.3 Biomass crops and energy grasses T1.4 Algae production systems T1.5 Municipal and industrial wastes T1.6 Integrated biomass production for energy purposes
2 Biomass Conversion Technologies for Heating, Cooling and Electricity T2.6 Anaerobic digestion for biogas production
3 Biomass Conversion Technologies for fuels, chemicals and materials T3.1 Production of thermally treated solid biofuels T3.3 Oil-based biofuels T3.4 Biomethane
4 Biomass Policies, Markets and Sustainability T4.3 Environmental impacts of bioenergy T4.4 Resource efficient bioeconomy and social opportunities
I Industry Sessions 6.1 Biomass Resources (Crops, SRF, Algae and Organic Waste) 6.2 Thermochemical conversion processes 6.3 Power & Heat processes and systems 6.4 Biochemical Conversion 6.5 Policy

09:00 - 10:30

ORAL SESSION 2DO.1

Challenges of Various Biogas Feedstocks

ROOM: K21

CHAIRPERSONS:

Jens Bo HOLM-NIELSEN, Aalborg University, DENMARK

Alessandro AGOSTINI, ENEA Research Centre, ITALY

2DO.1.1

WHEAT STRAW AS A MATERIAL IN CO-DIGESTION WITH OTHER NITROGEN-RICH SUBSTRATE

Swarnima AGNIHOTRI, University of Borås, The Swedish Centre for Resource Recovery, SWEDEN

Co-authors: I.S. Horváth, HB-Högskolan i Borås, Borås, Sweden; M. Castillo, HB-Högskolan i Borås, Uppsala, Sweden

2DO.1.2

CLIMATE AND ECONOMIC PERFORMANCES OF ANAEROBIC DIGESTION OF SECOND CHEESE WHEY. A CASE STUDY

Giuseppe LEMBO, ENEA Research Centre, Biomass and Biotechnology for Energy, ITALY

Co-authors: A. Agostini, A. Signorini, ENEA, Rome, Italy

2DO.1.3

MONO-FERMENTATION OF CHICKEN MANURE: COMPETING WITH AMMONIA INHIBITION AND A HIGH CONTENT OF INORGANIC SOLIDS

Franziska SCHAEFER, DBFZ-German Biomass Research Centre, Biochemical Conversion Dpt., GERMANY

Co-authors: L. Mueller, DBFZ-German Biomass Research Centre, Leipzig, Germany; R. Reiter, A. Himmelstoss, AEV Energy GmbH, Dresden, Germany; J. Proeter, DBFZ Deutsches Biomasseforschungszentrum gemeinnützige GmbH, Leipzig, Germany

2DO.1.4

ENHANCING BIOGAS PRODUCTION FROM SHRIMP PROCESSING WASTE THROUGH ENRICHMENT OF THE MICROBIAL COMMUNITY

Giulia MASSINI, ENEA Research Centre, Biomass and Bioenergy, ITALY

Co-authors: A. Gaetani, G. Dottorini, La Sapienza University - ENEA, Rome, Italy; V. Mazzurco Miritana, G. Lembo, La Tuscia University - ENEA, Rome, Italy; A. Signorini, V. Pignatelli, ENEA, Rome, Italy

2DO.1.5

BIOGAS PRODUCTION FROM ORGANIC WASTES IN KOREA: WASTE CHARACTERISTICS, APPLICABILITY OF ANAEROBIC CO-DIGESTION AND UNDERLYING MICROBIAL POPULATIONS

Seung Gu SHIN, Pohang University of Science and Technology, School of Environmental Science and Engineering, KOREA

Co-authors: G. Han, J. Lee, J.V. Tongco, J. Shin, T. Koo, S. Hwang, J.Y. Lee, Pohang University of Science and Technology, Pohang, Korea

09:00 - 10:30

ORAL SESSION 4DO.2

Ecosystem Services and Soil Impacts of Bioenergy

ROOM: K2

CHAIRPERSONS:

Luisa MARELLI, European Commission, JRC, ITALY

Jan Peter LESSCHEN, Alterra Wageningen UR, THE NETHERLANDS

4DO.2.1

WHERE IS THE ENVIRONMENTAL BREAK-EVEN POINT OF MARGINAL LAND USE FOR BIOMASS PRODUCTION?

Moritz WAGNER, University of Hohenheim, Institute of Crop Science, GERMANY

Co-author: I. Lewandowski, University of Hohenheim (340b), Stuttgart, Germany

4DO.2.2

UNDERSTANDING SOIL CARBON STORAGE ACROSS HETEROGENEOUS LANDSCAPES: CARBON OFFSETS AND SUSTAINABILITY OF TROPICAL BIOMASS PRODUCTION SYSTEMS

Susan E. CROW, University of Hawaii at Manoa, Natural Resources and Environmental Management Dpt., USA

Co-authors: J.M. Wells, J. Deenik, K. Carlson, A. Hashimoto, University of Hawaii at Manoa, Honolulu, Usa; C. Sierra, Max Plank Institute for Biogeochemistry, Jena, Germany

4DO.2.3

CONVERSION AND REVERSIONS: IMPACTS ON SOIL CARBON STOCKS OF LAND USE CHANGE TO AND FROM PERENNIAL BIOENERGY CROPS IN THE UK

Rebecca ROWE, Centre for Ecology and Hydrology, Shore Dpt., UNITED KINGDOM

Co-authors: A.K. Keith, D.M.O. Elias, J. Whitaker, N.P. McNamara, Centre for Ecology & Hydrology, Lancaster, United Kingdom

4DO.2.4

QUANTIFYING THE POTENTIAL CONTRIBUTION TO CLIMATE CHANGE MITIGATION FROM TEMPORARY CARBON STORAGE IN HYDROCHARS

Mikolaj OWSIANIAK, Technical University of Denmark, Management Engineering Dpt., DENMARK

Co-author: M. Renz, Universitat Politècnica de València, Spain

4DO.2.5

A SPATIALLY EXPLICIT OVERVIEW OF THE IMPACTS OF WOOD PELLET RELATED PINE PLANTATION EXPANSION ON SPECIES RICHNESS IN THE SOUTHEASTERN U.S.

Hanneke VAN T VEEN, Universiteit Utrecht, Environmental Biology Dpt., THE NETHERLANDS

Co-authors: A. Duden, P. Verweij, Copernicus Institute of Sustainable Development, Utrecht, The Netherlands

ORAL PRESENTATIONS

THURSDAY, 15 JUNE 2017

09:00 - 10:30

ORAL SESSION 3DO.3

Thermally Treated Solid Biomass - Fundamentals

ROOM: K1

CHAIRPERSONS:

Capucine DUPONT, CEA, FRANCE

Anders NORDIN, Umeå University, SWEDEN

3DO.3.1

TORREFACTION ANALYSIS OF WOODY BIOMASSES FROM FAST-GROWING PLANTATIONS OF COSTA RICA

Allen PUENTE-URBINA, Costa Rica Institute of Technology, COSTA RICA

Co-authors: R. Moya, A. Rodríguez-Zúñiga, J. Gaitán-Álvarez, Escuela de Ingeniería Forestal, Instituto Tecnológico de Costa Rica., Cartago, Costa Rica

3DO.3.2

CATALYTIC EFFECT OF POTASSIUM CARBONATE ON CONDENSABLE SPECIES RELEASED DURING WOOD TORREFACTION

Jean-Michel COMMANDRE, CIRAD, France

Co-authors: L. Alves de Macedo, P. Rousset, J. Valette, CIRAD, Montpellier, France; M. Pétrissans, Université de Lorraine, Nancy, France

3DO.3.3

THE PRESSURE INFLUENCE ON BIOCARBON YIELD AND QUALITY

Øyvind SKREIBERG, SINTEF Energy Research, Thermal Energy Dpt., NORWAY

Co-authors: L. Wang, SINTEF Energy Research, Trondheim, Norway; M. Grønli, NTNU, Trondheim, Norway

3DO.3.4

VALORIZATION OF SOLID RESIDUES FROM ANAEROBIC DIGESTION THROUGH THERMAL AND HYDROTHERMAL CARBONIZATION PROCESSES

Edoardo MILIOTTI, University of Florence, ITALY

Co-authors: D. Casini, M. Prussi, D. Chiaramonti, L. Bettucci, RE-CORD, Firenze, Italy

3DO.3.5

MICROWAVE PRE-PROCESSING OF BIOMASS PELLETS FOR CLEANER HEAT ENERGY PRODUCTION

Inesa BARMINA, University of Latvia, Institute of Physics, LATVIA

Co-authors: R. Valdmanis, M. Zake, Institute of Physics, University of Latvia, Salaspils, Latvia

09:00 - 10:30

VISUAL PRESENTATIONS 1DV.1

Quantifying Biomass Availability for Bioenergy and Biomass Characterisation Studies. Municipal and Industrial Biowaste Innovations in Processing and Products

ROOM: Poster Area

See page 130

09:00 - 15:00

WORKSHOP

**Future Biorefineries from raw materials to bio-products:
development and analysis**

See page 153

10:30 - 10:45

BREAK

10:45 - 12:15

ORAL SESSION 2DO.4

Biogas Feedstock Pre-treatment, Process and System Integration

ROOM: K21

CHAIRPERSONS:

Bernhard DROSG, Bioenergy 2020+, AUSTRIA

Tormod BRISEID, NIBIO - Norwegian Institute of Bioeconomy Research, NORWAY

2DO.4.1

**SIMULATION OF DEMAND-ORIENTED BIOGAS PRODUCTION BY A
SIMPLIFIED KINETIC MODEL**

Soeren WEINRICH, DBFZ-German Biomass Research Centre, GERMANY

Co-authors: E. Mauky, DBFZ-German Biomass Research Centre, Leipzig, Germany;

H.F. Jacobi, Hessian State Laboratory, Bad Hersfeld, Germany

2DO.4.2

**EFFECTS OF ALKALINE AND BEATING PRETREATMENT ON ANAEROBIC
DIGESTION OF DISTILLERY CO-PRODUCTS**

Burcu GUNES, Dublin City University, School of Biotechnology, IRELAND

Co-authors: K. Benyounis, J. Stokes, School of Mech. & Manu. Eng. Dublin City University, Dublin,

Ireland; P. Davis, School of Business Dublin City University, Dublin, Ireland; C. Connolly, Alltech

European Bioscience Centre, Meath, Ireland; J. Lawler, School of Biotechnology, Dublin City

University, Dublin, Ireland

2DO.4.3

**EFFECTS OF ANAEROBIC DIGESTION AND HOT WATER PRETREATMENT ON
LIGNIN**

Jon WELLS, University of Hawai at Manoa, Natural Resources and Environmental
Management Dpt., USA

Co-authors: S.E. Crow, S.K. Khanal, S.Q. Turn, A. Hashimoto, University of Hawaii at Manoa, Honolulu, Usa

2DO.4.4

**HEAD-SPACE GAS PRESSURE DRIVEN ACIDOGENESIS OF FOOD WASTE IN
LEACH BED REACTOR**

Jonathan WONG, Hong Kong Baptist University, Sino-Forest Applied Research
Centre for Pearl River Delta Environment, HONG KONG

2DO.4.5

**MODELLING AND PERSPECTIVES OF TWO-STAGE PRESSURIZED
FERMENTATION**

Katharina BÄR, DVWG-Research Centre at Engler-Bunte-Institute, GERMANY

Co-authors: K. Baer, DVWG-Research Centre at Engler-Bunte-Institute, Karlsruhe, Germany; F. Orloff,

F. Graf, DVWG-Research Centre at Engler-Bunte-InstitutDVWG-Research Centre at Engler-Bunte-

Institute, Karlsruhe, Germany; W. Merkle, A. Lemmer, University of Hohenheim, Stuttgart, Germany

10:45 - 12:15

ORAL SESSION 4DO.5

Ecosystems and Water Impacts of Bioenergy

ROOM: K2

CHAIRPERSONS:

Uwe FRITSCHE, IINAS, GERMANY

Calliope PANOUTSOU, Imperial College, UNITED KINGDOM

4DO.5.1

EVALUATING THE WATER IMPACTS & BENEFITS OF BIOMASS PRODUCTION FOR BIOENERGY - DEVELOPING A SUSTAINABILITY INDICATOR ANALYSIS METHODOLOGY

Andrew WELFLE, University of Manchester, United Kingdom

4DO.5.2

CAN THE CULTIVATION OF PERENNIAL BIOMASS CROPS ON BUFFER STRIPS BECOME A WIN-WIN STRATEGY? LIFE CYCLE ASSESSMENT AND ENERGY PERFORMANCE.

Alessandro AGOSTINI, ENEA Research Centre, ITALY

Co-authors: P. Serra, A. Ferrarini, S. Amaducci, Università Cattolica del Sacro Cuore, Piacenza, Italy; J. Giuntoli, European Commission, JRC, Petten, The Netherlands

4DO.5.3

BRAZILIAN SUGARCANE EXPANSION AND THE IMPACTS ON WATER RESOURCES: A REVIEW OF THE RECENT RESULTS

Thayse HERNANDES, CTBE - Brazilian Bioethanol Science and Technology Laboratory, Agricultural Division, BRAZIL

Co-authors: T.A. Dourado Hernandez, D. Garbelini Duft, CTBE/UNICAMP, Campinas, Brazil; F. Vale Scarpore, CENA-USP, Piracicaba, Brazil; M. Cristina Araújo Picoli, J. Eugênio Abel Seabra, UNICAMP-FEM, Campinas, Brazil; M. Regis Lima Verde Leal, CTBE, Campinas, Brazil

4DO.5.4

INFLUENCE OF DEVELOPMENT OF FUEL ETHANOL ON WATER RESOURCES

Fangyu DING, Chinese Academy of Sciences, Institute of Geographical Sciences and Natural Resources Research, P.R. CHINA

Co-authors: M. Hao, D. Jiang, J. Fu, M. Hao, Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing, P.R. China

4DO.5.5

BIOENERGY AND BIODIVERSITY LOSS: WHAT WE KNOW, WHAT WE DON'T KNOW AND WHAT WE CAN ESTIMATE.

Jacopo GIUNTOLI, European Commission, JRC, Directorate C: Energy, Transport and Climate, THE NETHERLANDS

Co-authors: C. Bulgheroni, L. Marelli, European Commission -Joint Research Centre, Ispra, Italy; A. Agostini, ENEA, Rome, Italy; S. Rocca, European Commission -Joint Research Centre, Petten, The Netherlands

10:45 - 12:15

ORAL SESSION 3DO.6

Oil-based Biofuels

ROOM: K1

CHAIRPERSONS:

Dimitrios SIDIRAS, University of Piraeus, GREECE

Marco BUFFI, RE-CORD/CREAR, Italy

3DO.6.1

CATALYTIC HYDROPROCESSING OF GROUND COTTONSEEDS IN A COTTONSEED OIL AND I-OCTANE SOLVENT TO PRODUCE RENEWABLE DIESEL

Corneels SCHABORT, North-West University, School of Chemical and Minerals Engineering, SOUTH AFRICA

Co-authors: Z. Broodryk, R. Venter, S. Marx, North-West University, Potchefstroom, South Africa

3DO.6.2

EVALUATION OF GHG EMISSIONS AND ENERGY BALANCES OF INNOVATIVE AVIATION BIOFUEL PATHWAYS

Adrian O'CONNELL, European Commission, JRC, ITALY

Co-authors: M. Kousoulidou, L. Lonza, A. O'Connell, JRC-European Commission, Ispra, Italy

3DO.6.3

UPSCALING AND OPERATION OF A BIOMASS DERIVED FISCHER-TROPSCH PILOT PLANT PRODUCING 1 BARREL PER DAY

Jürgen LOIPERSBÖCK, Bioenergy 2020+, AUSTRIA

Co-authors: G. Weber, R. Rauch, Bioenergy2020+, Güssing, Austria; H. Gruber, P. Groß, H. Hofbauer, TU Wien, Vienna, Austria

3DO.6.4

GREEN DIESEL PRODUCTION FROM THE PALM OIL DEOXYGENATION OVER METAL-BASED NANOCATALYSTS

Kajornsak FAUNGNAWAKIJ, National Science and Technology Development Agency, National Nanotechnology Center, THAILAND

Co-authors: A. Srif, Kyoto University, Kyoto, Japan; R. Keawmeesri, V. Itthibenchapong, National Nanotechnology Center, Pathumthani, Thailand

3DO.6.5

THE EFFECT OF FATTY ACID STRUCTURES ON PRODUCT DISTRIBUTION OF CATALYTIC CRACKING

Verina WARGADALAM, Ministry of Energy and Mineral Resources, P3TKEBTKE Division, INDONESIA

Co-authors: E. Saadudin, D. Nomara, Ministry of Energy and Mineral Resources, Jakarta, Indonesia; B. Budiyanto, S. Subagjo, Institute of Technology Bandung, Bandung, Indonesia

10:45 - 12:15

VISUAL PRESENTATIONS 1DV.2

Dedicated Bioenergy Crops from Planting to Harvesting and Novel Production Systems. Potential and Impact of Algae Production

ROOM: Poster Area

See page 135

12:15 - 13:30

LUNCH

THURSDAY
AM

13:30 - 15:00

ORAL SESSION 3DO.7

Processes for Biomethane Production

ROOM: K21

CHAIRPERSONS:

Eric BILLIG, Umweltforschungszentrum UFZ, GERMANY

David BAXTER, Former European Commission, Joint Research Centre, UNITED KINGDOM

3DO.7.1

THE BIOMETHANE MAP - RESEARCH COORDINATION FOR A LOW-COST BIOMETHANE PRODUCTION AT SMALL AND MEDIUM SCALE APPLICATIONS

Kathrin BIENERT, DBFZ-German Biomass Research Centre, GERMANY

Co-authors: E. Fischer, B. Schumacher, DBFZ-German Biomass Research Centre, Leipzig, Germany; G. Rogstrand, M. Blom, JTI - Swedish Institute of Agricultural and Environmental Engineering, Uppsala, Sweden; M. Marcin, M. Marcin, University of Warmia and Mazury in Olsztyn, Olsztyn, Poland

3DO.7.2

EFFICIENT SMALL-SCALE PLANTS UPGRADING BIOGAS - POTENTIAL ANALYSIS AND ECONOMIC ASSESSMENT

Jaqueline DANIEL-GROMKE, DBFZ-German Biomass Research Centre, Biochemical Conversion Dpt., GERMANY

Co-authors: G. Erdmann, UFZ, Leipzig, Germany; V. Denysenko, N. Rensberg, DBFZ-German Biomass Research Centre, Leipzig, Germany; J. Hüttenrauch, DBI, Leipzig, Germany; R. Erler, DBI, Freiberg, Germany; M. Beil, IWES, Kassel, Germany

3DO.7.3

COMPARED PERFORMANCE OF TRICKLE-BED AND FLUIDIZED BED BIOREACTORS FOR SYNGAS BIO-UPGRADING INTO RNG

Ruxandra ALBU CIMPOIA, National Research Council Canada, Energy, Mining and Environment Dpt., CANADA

Co-authors: S.R. Guiot, C.D. Dubé, G. Bruant, M.J. Lévesque, National Research Council Canada, Montreal, Canada

3DO.7.4

EXPERIMENTAL OPTIMIZATION OF AN INNOVATIVE BIOGAS UPGRADING PROCESS ADAPTED TO THE AGRICULTURAL CONTEXT

Valentin FOUGERIT, CentraleSupélec, FRANCE

Co-authors: J. Lemaire, M.-A. Theoleyre, M. Stambouli, CentraleSupélec, Pomacle, France

3DO.7.5

IS BIO-P2G TECHNOLOGICALLY ATTRACTIVE AS CONTRIBUTION TOWARDS BALANCING THE SUPPLY AND DEMAND OF RENEWABLE ENERGY?

Gert HOFSTEDE, Hanze University of Applied Sciences, iLST Dpt., THE NETHERLANDS

Co-authors: F. Faber, J.P.H. Nap, M.E.F. Apol, R. Wedema, Hanze University of Applied Sciences, Groningen, The Netherlands

13:30 - 15:00

ORAL SESSION 4DO.8

Future Insights to Resource Efficient Value Chains

ROOM: K2

CHAIRPERSONS:

Rocio DIAZ-CHAVEZ, Imperial College, UNITED KINGDOM

Marc LONDO, Energy Research Centre of the Netherlands, THE NETHERLANDS

4DO.8.1

BIOMASS POTENTIALS AND THE SDGS: ADDING A FOOD SECURITY, SUSTAINABILITY AND DISTRIBUTIVE JUSTICE PERSPECTIVE

Tina BEUCHELT, University of Bonn, Center for Development Research, GERMANY

Co-author: M. Nassl, Center for Development Research (ZEF), Bonn, Germany

4DO.8.2

A SUSTAINABLE BIOECONOMY FOR EUROPE: KEY RESULTS FROM THE EU FP7 PROJECT S2BIOM

Uwe FRITSCHKE, IINAS, Scientific Director, GERMANY

Co-authors: C. Panoutsou, Imperial College, London, United Kingdom; B. Elbersen, I. Straritsky, Alterra/WUR, Wageningen, The Netherlands; L. Wenzelides, FNR, Güstrow, Germany; M. Dees, ALU-FR, Freiburg, Germany; N. Forsell, IIASA, Laxenburg, Austria; M. Lindner, J. Fitzgerald, EFI, Joensuu, Finland; L. Pelkmans, VITO, Mol, Belgium; R. Janssen, WIP, Munich, Germany; P. Canciani, CEI, Trieste, Italy; E. Alakangas, VTT, Jyväskylä, Finland; L. Iriarte, IINAS, Madrid, Spain; M. Londo, Energy Research Centre of the Netherlands, Amsterdam, The Netherlands; B. Kavalov, European Commission, JRC, Ispra, Italy; P. Anttila, LUKE, Helsinki, Finland; J. van Stralen, Energy Research Centre of the Netherlands, Petten, The Netherlands; T. Lammens, M. Vis, BTG, Enschede, The Netherlands

4DO.8.3

THE PARIS -LIFESTYLE - ANALYSIS AND ASSESSMENT OF BIOMASS USE FOR LOW CARBON LIFESTYLES TO REACH THE CLIMATE TARGETS 2050

Gerfried JUNGMEIER, Joanneum Research Forschungsgesellschaft, Research Centre for Climate, Energy and Environment, AUSTRIA

Co-authors: G. Lettmayer, N. Bird, S. Schwarzinger, Joanneum Research, Graz, Austria

4DO.8.4

THE BALANCE BETWEEN FUTURE INCREASED POTENTIAL SUPPLY AND DEMAND OF SUSTAINABLE BIOMASS -THE CASE STUDY OF SWEDEN

Pål BÖRJESSON, Lund University, Environmental and Energy Systems Studies Dpt., SWEDEN

Co-authors: J. Hansson, IVL Swedish Environmental Research Institute, Stockholm, Sweden; G. Berndes, Chalmers University of Technology, Göteborg, Sweden

4DO.8.5

BIOBUILDER - CREATE A BIOBASED VALUE CHAIN FROM A-TO-Z

Ruben GUISSON, VITO - Flemish Institute Technological Research, Biomass Sustainable Transition Dpt., BELGIUM

Co-author: M. Van Dael, VITO/UHasselt, Mol/Hasselt, Belgium

ORAL PRESENTATIONS

THURSDAY, 15 JUNE 2017

13:30 - 15:00

ORAL SESSION 3DO.9

Thermally Treated Solid Biomass - Processes and Biochar Applications

ROOM: K1

CHAIRPERSONS:

Jaap KIEL, Energy Research Centre of the Netherlands, THE NETHERLANDS

Corneels SCHABORT, North-West University, SOUTH AFRICA

3DO.9.1

PERFORMANCE ASSESSMENT OF A PILOT AUTOTHERMAL CARBONIZATION UNIT

Andrea Maria RIZZO, University of Florence, Industrial Engineering Dpt., ITALY

Co-authors: M. Pettorali, R. Nistri, D. Chiamonti, RE-CORD/University of Florence, Florence, Italy

3DO.9.2

THE INFLUENCE AND IMPLICATIONS OF RECYCLING HYDROTHERMAL PROCESS WATERS ON HYDROCHAR COMBUSTION CHEMISTRY

Aidan SMITH, University of Leeds, Energy Research Institute, UNITED KINGDOM

Co-author: A.B. Ross, University of Leeds, Leeds, United Kingdom

3DO.9.3

CARBOWERT: LIFE CYCLE ASSESSMENT OF DIFFERENT HYDROTHERMAL CARBONIZATION CONCEPTS PRODUCING COAL FOR ENERGETIC AND MATERIAL USE

Kathleen MEISEL, DBFZ-German Biomass Research Centre, Bioenergy Systems Dpt., GERMANY

Co-authors: A. Clemens, DBFZ-German Biomass Research Centre, Leipzig, Germany; E. Schulz, UFZ, Halle, Germany; C. Fühner, UFZ, Leipzig, Germany

3DO.9.4

TECHNICAL AND ECONOMIC FEASIBILITY OF COMBUSTING BIOCARBON IN SMALL SCALE PELLET BOILERS

Pietro BARTOCCI, University of Perugia, Biomass Research Centre, ITALY

Co-authors: R.S. Kempegowda, Ø. Skreiberg, SINTEF Energy Research, Trondheim, Norway; F. Liberti, G. Bidini, F. Fantozzi, University Perugia, Italy

3DO.9.5

BIOCHARS AS SOURCE OF ANODES FOR NA-ION BATTERIES: FEASIBILITY STUDY BASED ON VARIOUS BIOMASS TYPES

Capucine DUPONT, CEA, FRANCE

Co-authors: C. Del Mar Saavedra Rios, V. Simone, L. Simonin, CEA, Grenoble, France

13:30 - 15:00

VISUAL PRESENTATIONS IDV.3

Industrial Innovations in Feedstock Production, Power, Biogas and Advanced Biofuels Generation

ROOM: Poster Area

See page 140

15:00 - 15:15

BREAK

15:15 - 16:45

CLOSING SESSION

Room: K1+K2

Global sustainable bioenergy resources and policy for efficient use

WELCOME TO THE CLOSING SESSION

Lena EK, Conference General Co-Chair

President of Södra Skogsägarna, Chairperson of the Board of the Forest-based Sector Technology Platform, Sweden

Henrik EHRNROOTH, Conference General Co-Chair

Chairman of the Boards of Pöyry PLC and Chairman of the Climate Leadership Council, Finland

OPPORTUNITIES FOR RENEWABLES INTEGRATION

Heinz OSSENBRINK, former European Commission

THE BENEFITS OF A MORE CLEVER ENERGY LEGISLATION AND POLICY

Gustav MELIN, Svebio, Managing Director, Sweden

HIGHLIGHTS OF THE CONFERENCE

Nicolae SCARLAT, Technical Programme Chairman

European Commission, Joint Research Centre, Directorate for Energy, Transport and Climate

CEREMONY OF THE POSTER AWARDS

Dimitrios SIDIRAS, University of Piraeus, Industrial Management and Technology, Greece

CEREMONY OF THE STUDENT AWARDS

David BAXTER, Former European Commission, Joint Research Centre

WHAT DO WE TAKE HOME FROM THE EUBCE?

FAREWELL AND CLOSING

Lena EK, Conference General Co-Chair

President of Södra Skogsägarna, Chairperson of the Board of the Forest-based Sector Technology Platform, Sweden

Henrik EHRNROOTH, Conference General Co-Chair

Chairman of the Boards of Pöyry PLC and Chairman of the Climate Leadership Council, Finland