

THIRD INTERNATIONAL CONFERENCE ON LIGNOCELLULOSIC ETHANOL

Madrid, 3-5 April 2013



Conference Draft Programme



Wednesday 3 April, 2013

08:00-09:00 Registration

09:00-10:00 Opening Session

Welcome by Kyriakos Maniatis and Ricardo Arjona

Mr. Gerson Santos, Executive Vice president, Abengoa Bioenergy,
Ms. Ambassador Mariangela de Rebuá de Andrade Simões, Brazil

Keynote Presentation

Mr. David Chiaramonti, University of Florence, "Setting the scene"

10:00-10:30 Coffee Break

10:30-12.10 Progress on Pretreatment & Enzymes

Chair: Mr. David Chiaramonti, University of Florence

10:30-10:50 Ms. Yap Chie Cheung, DSM, "Pretreatment and enzyme selection for cellulosic ethanol production – key choices for success"

10:50-11:10 Mr. Pablo Gutierrez, Abengoa Bioenergy, "Abengoa Bioenergy Cellulosic Enzymes Development"

11:10-11:30 Mr. Simone Ferrero, Mossi & Ghisolfi, "Enabling Second Generation Ethanol Technology"

11:30-11:50 Ms. Merja Penttilä, VTT, "NEMO: Novel high-performance enzymes and micro-organisms for conversion of lignocellulosic biomass to bioethanol"

11:50-12:10 Q&A

12:10-13:30 Lunch Break

13:30-15:10 R&D needs to deploy the technology

Chair: Mr. Ricardo Arjona, Abengoa

13:30-13:50 Mr. Rickard Fornell, SP Technical Research Institute of Sweden, "From Ethanol Pilot to flexible Biorefinery Demonstration Plant"

13:50-14:10 Mr. Johan Thevelein, KU Leuven, "Development of superior xylose-fermenting and robust industrial yeast strains for lignocellulosic bioethanol production"

14:10-14:30 Mr. Rubens Maciel, UNICAMP, "Actions on lignocellulosic ethanol"

14:30-14:50 Ms. Simone Brethauer Studer, Bern University of Applied Sciences, "A process for the direct fermentation of lignocellulosic material to ethanol in a multi-species membrane reactor"

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14:50-15:10 Q&A

15:10-15:40 Coffee Break

15:40-17:20 C5 Fermentation

Chair: Mr. Markus Rarbach, Clariant

15:40-16:00 Mr. Gunnar Liden, Lund University, "Fermentation procedures"

16:00-16:20 Mr. Chris Koolloos, DSM, "C5 fermentation status – an industry update"

16:20-16:40 Mr Didier Masy, Fermentis, "Development of a yeast strain suitable for C5 fermentation"

16:40-17:00 Mr. Kim Olofsson, Terranol, "Xylose fermenting yeast for commercial production of lignocellulosic ethanol"

17:00-17:20 Q&A

**17:20-19:00 BIOLYFE Workshop on Challenges and Opportunities for Lignocellulosic Ethanol
Biorefineries – A SWOT analysis**

Chair: Mr. Guido Reinhardt, IFEU

Co-Chair: Ms. Maria Mueller-Lindenlauf, IFEU

17.20-17:35 Mr. Walter Kretschmer, IUS, "Introduction BIOLYFE and to the workshop"

17.35-17.50 Ms. Maria Mueller-Lindenlauf, IFEU, "Initial results"

17.50-18.45 Discussion

Adding new arguments and identifying key success and failure factors

Recommendations to policy makers, researchers and companies

18.45-19:00 Mr. Walter Kretschmer, IUS, "Wrap up and closure"

20:00 Conference Dinner offered by the Industrial sponsors

Thursday 4 April, 2013

09:00-10:40 Biorefineries & Co-products

Chair: Mr. Marco Aurelio Pinheiro Lima, UNICAMP

09:00-09:20 Mr. Ismael U. Nieves, Biorefinery Pilot Plant in Perry, Florida

09:20-09:40 Ms. Lena Holm Christensen, IBUS, "Flexible Food and Fuel Mini-Biorefineries"

09:40-10:00 Mr. Antonio Bonomi, CTBE/CNPEM, "Integrated Assessment of Second Generation Sugarcane Ethanol Production. The Virtual Sugarcane Biorefinery"

10:00-10:20 Mr. Dario Giordano, Chemtex Italia, "Green Chemistry and Biobased products: PROESA® and Chemtex approach based on Proesa™"

10:20-10:40 Q&A

10:40-11:10 Coffee Break

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11.10-12:50 From ethanol & sugars to paraffinic biofuels

Chair: Mr. Henrik Maimann, Dong Energy

11:10-11:30 Mr. Cesar Velarde Catolfi-Salvoni, Senasa, "Alcohols-To-Jet Fuel: A taking-off potential"

11:30-11:50 Ms. Angelica Hull, Swedish Biofuels, "Alcohol intermediates in the production of transport fuels from lignocellulose"

11:50-12:10 Philippe Marchand, Total, "Renewable alternative aviation fuel from sugar: a European pathway"

12:10-12:30 Valentin Ruiz Santa Quiteria, Repsol, "Biological routes to advanced biofuels"

12:30-12:50 Q&A

12.50-13.10 Demonstration of the BioMap Information & Dissemination tool

Ms. Julie Tolmie, Mapping Book.

13:20 Departure for the visit to the Salamanca demonstration plant (lunch box provided)

15:20-17:30 Arrive in Salamanca and visit of the Abengoa facilities

17:30-19:00 Visit the historic city of Salamanca

19:00-20:30 Conference Reception offered by the European Commission

20:45 Departure for Madrid

Friday 5 April, 2013

09:00-10:00 Panel 1: Economics & Finance

Moderator Mr. Rob Vierhout, ePURE

Overview: Ms. Claire Curry, Bloomberg New Energy Finance, "Cost survey for cellulosic ethanol"

Panelists: Mr. Henrik Maimann, Dong Energy

Ms. Claire Curry, Bloomberg New Energy Finance

Mr. Jeff Passmore

Mr. Felipe Ortega, EIB

10:00-12:30 Demo plants including Economic & Financial Assessment

Chair: Mr. Dario Giordano, Chemtex Italia

10:00-10:20 Mr. Jeff Passmore, Setting the scene "Bio-refining Commercial Success: Co-produce, co-locate, co-develop"

10:20-10:40 Mr. Jan Larsen, Dong/Inbicon, "Inbicon a flexible cellulosic ethanol process"

10:40-11:10 Coffee Break

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11:10-11:30 Mr. Markus Rarbach, Clariant, "Cellulosic ethanol: Scale-up and commercialization"

11:30-11:50 Ms. Ana Isabel Vicente, Abengoa Bioenergy, "Demonstration Plants, reducing risks in the path to commercial"

11:50-12:10 Mr. Steve Hartig, POET-DSM Advanced Biofuels, "Cellulosic ethanol – no longer a promise; Project Liberty construction progress"

12.10-12.30 Q & A

12:30-13:40 Lunch Break

13:40-14:40 Panel 2: Beyond E10, Moderator Mr. Tom Gameson, Abengoa

Panelists: Mr. Jörg Bernard, Südzucker
Mr. Markus Rarbach, Clariant
Other Panellists tbc

14:40-16.30 Demo plants including Economic & Financial Assessment, continues Mr. Joost Dubois, DSM

14:40-15:00 Mr. Pramod Kumbhar, Praj, "Praj's Advanced Lignocellulosic Ethanol Technology (PACE)"

15:00-15:20 Mr. Jan Lindstedt, SEKAB, "NER300 - as a catalyst for Industrialisation of Bioethanol from cellulose"

15:20-15:40 Mr. Martin Lersch, Borregaard, "First demo plant results from Borregaard's biorefinery concept BALI™"

15:40-16:10 Mr. Graham Rice, INEOS, "Lignocellulosic ethanol from waste - potential for Europe"

16.10-16.30 Q & A

16.30-16.40 Overview, general Q&A and Closure of the Conference Kyriakos Maniatis and Ricardo Arjona