

# REGISTRATION FORM

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International Biomass  
Valorisation Congress  
AMSTERDAM – The Netherlands

20-22 APRIL '10



valorisation  
**Biomass**

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20-22 APRIL 2010, AMSTERDAM, THE NETHERLANDS

## Registration fees (all fees are excluding 19% VAT)

Indicate the registration of your choice by filling in the appropriate amount in the 'total' column. Should you wish to register several persons of your company, please fill in a separate registration form for each. The delegate prices include full access to the course and congress, the abstract book, coffee breaks and lunches. The registration fees are for three days.

		Total
<input type="checkbox"/> Delegate	€ 749	
<input type="checkbox"/> Delegate student (ID required)	€ 399	
<input type="checkbox"/> Abstract book (included in registration fee)	€ 250	
<input type="checkbox"/> Poster Presentation	€ .. x 385	
<input type="checkbox"/> Table top (table and 2 chairs)	€ 950	
<input type="checkbox"/> Dinner 21 April 2010	€ 25	
		€

\* If you register for a poster, registration as a delegate is obligatory for at least one person per poster. To complete registration, please send us the full title and full text.

## General terms and conditions

The full general terms and conditions of the International Valorisation Biomass Congress are available from the website: [www.biomass-valorisation.com](http://www.biomass-valorisation.com) and will be send upon request at no cost.

I understand and agree to the full general terms and conditions.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 (Obligatory)

## Please send this form to:

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E: [marielle.brons@dlg-benelux.com](mailto:marielle.brons@dlg-benelux.com) I: [www.biomass-valorisation.com](http://www.biomass-valorisation.com)

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## The advantages of biomass

Biomass has an enormous potential. In theory there is sufficient biomass to cover the annual worldwide demand for energy three times. In many countries there is, next to the growth of energy crops, a lot of biomass material available, such as trimming wood and other waste wood, dung and crop waste. This available biomass can and will be made use of more effectively. That is since biomass provides sustainable energy and reduces the demand for fossil fuels. However, in the process of valorising, scaling up, valuing and processing biomass the techniques that are used are essential. Only proper techniques may prevent excessive costs raisings (financial and ecological) and will enable the densification of energy. In fact it is all about converting biomass into an energy carrier with high energetic value, such as electricity, warmth, gas or oil.

## Future objectives

On a European level and on national levels sustainability objectives have been formulated. For instance in the Netherlands the national government aims at generating 10% of all energy consumption in a sustainable way by 2020. Biomass plays an important role therein, but proof is required that this biomass is sustainable.

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# 20 APRIL 2010, AN INTERACTIVE COURSE WITH THE MAIN FOCUS ON BIOREFINERY.

## PROGRAMME BIOMASS VALORISATION CONGRESS 20, 21 AND 22 APRIL 2010

Over 150 people participated in the successful previous

edition, which took place in the Netherlands on the

14th of May 2009, and the overall conclusion is: It

won't take long before biomass, next to wind and solar

energy, will manifest as a concrete energy source!

Following this success, we hereby like to introduce the In-

ternational Biomass Valorisation conference, which will take

place on 20, 21 and 22 April 2010. Prior to this congress,

on 20 April 2010, Wageningen University will organise an

interactive course with the main focus on Biorefinery.

### Congress programme - Day 1 - 20 April 2010

09.00 - 17.00 Training Course Biorefinery

9.00 - 9.30	Coffee/Registration
9.30 - 10.15	General Introduction to Biorefineries: Prof. dr. Johan Sanders - Wageningen University <sup>NL</sup>
10.15 - 10.45	Current Status and Developments: Drs.ing. René van Ree (WUR, <sup>NL</sup> ) - IEA Bioenergy Task 42
10.45 - 11.00	Coffee Break
11.00 - 11.30	Upgrading Existing Industrial Processes: Ir. Hamid Mozaffarian (ECN, <sup>NL</sup> ) - EC Bioref-Integ
11.30 - 12.00	Specific case study: EC Bioref-Integ
12.00 - 12.30	LCF Biorefinery 1: Drs. Hans Reith (ECN, <sup>NL</sup> ) - EC Biosynergy
12.30 - 13.30	Lunch
13.30 - 14.00	LCF Biorefinery 2: Speaker to be confirmed (ECN, <sup>NL</sup> / Joanneum, <sup>AT</sup> )
14.00 - 14.30	Green Biorefinery: Dr. Michael Mandl (Joanneum, <sup>AT</sup> ) - IEA Bioenergy Task 42
14.30 - 15.00	Marine Biorefinery: Dr. Maria Barbosa - WUR Food & Biobased Research <sup>NL</sup>
15.00 - 15.15	Coffee Break
15.15 - 16.00	Biorefinery Sustainability Issues: Dr. Gerfried Jungmeier (Joanneum, <sup>AT</sup> ) Dr. Maria Wellisch (NRC, <sup>CAN</sup> ) - IEA Bioenergy Task 42
16.00 - 16.30	Biorefinery Policy Issues: Dr. Birger Kerckow (FNR, <sup>DE</sup> ) - IEA Bioenergy
16.30 - 17.00	Biorefinery in Practice: Speaker to be confirmed

### Congress programme - Day 2 - 21 April 2010

08.30 - 19.00 Valorisation Biomass Congress, day 2

**LignoValue: High added value valorization of lignin for optimal biorefinery of lignocellulose to energy carriers and products (EOS-LT 05011, 2007-2010)**

The main goal of this biorefinery project called "LignoValue" is to valorize the lignin fraction via the production of phenols, performance products and fuel additives.

This R&D project focuses on:

- ▼ Primary biorefinery technology based on organosolv fractionation for production of high quality streams of cellulose, hemicellulose and lignin facilitating further production of products and energy carriers for all biomass fractions
- ▼ Secondary biorefinery technology for the production of phenols, performance products like resins, fuel additives, electricity and heat out of the lignin fraction by supercritical depolymerisation, pyrolysis and hydrodeoxygenation
- ▼ Development of an integral biorefinery concept in which the developed technologies have been optimally integrated and all biomass fractions consist of an optimal quality for further refinery and valorization.

Valorization of lignin will be the key issue in the further development of biofuels production and biobased materials from lignocellulose. Conversion of lignin to chemical feedstocks will positively influence the economic feasibility resulting in a substantial decrease of the production costs of bio-ethanol.

#### Project partners:

1. WUR Food & Biobased Research  
(Richard J.A. Gosselink, project coordinator, <sup>NL</sup>)
2. Wageningen University, Department of Valorization of Plant Production Chains, <sup>NL</sup>
3. University of Groningen (RUG), <sup>NL</sup>
4. ECN Energy research Centre of the Netherlands, <sup>NL</sup>
5. Aston University, <sup>UK</sup>

#### Industrial Advisory Board:

- a. Bayer MaterialScience AG, New Technologies,  
Leverkusen, <sup>DE</sup>
- b. BASF Nederland B.V., Process Catalysis Research,  
De Meern, <sup>NL</sup>
- c. Avantium Chemicals B.V., Amsterdam, <sup>NL</sup>

#### More information on [www.lignovalue.nl](http://www.lignovalue.nl)

This project is financially supported by a grant from the EOS-LT (Energy Research Subsidy) programme of the Dutch Ministry of Economic Affairs, The Hague.

8.30 - 9.30	Registration and coffee/tea
9.30 - 12.30	LignoValue Project  Introduction LignoValue project, Richard Gosselink, Wageningen UR Food & Biobased Research 1. Lignin production by organosolv fractionation of lignocellulosic biomass. Dr. Wouter Huijgen - ECN <sup>NL</sup> 2. Lignin valorisation for chemicals and fuels via catalytic pyrolysis. Ir. Paul de Wild, ECN <sup>NL</sup> 3. Catalytic pyrolysis of lignin. Prof. Tony Bridgwater - Aston University <sup>UK</sup> (invited) 4. Supercritical depolymerisation of lignin into chemicals. Ing. Richard Gosselink, Wageningen UR Food & Biobased Research <sup>NL</sup> 5. Hydrodeoxygenation of lignin. Ir. Arjan Kloekhorst / Prof. Erik Heeres - RUG <sup>NL</sup> 6. Socio-economic impact of lignin valorisation Dr. Elinor Scott - WUR-VPPC <sup>NL</sup>
12.30 - 14.00	Lunch
14.00 - 14.45	Workshop 1: Cellulose Ethanol, Dr. Robbert Bakker/Ing. Jeroen van Bon (Scientist Biomass Valorisation)- Wageningen University <sup>NL</sup> Workshop 2: Biohydrogen Mr. Ed van Niel - Lund University <sup>SE</sup> Workshop 3: Regional Biomass Processing Mr. Jan van de Broek - Zeafuels <sup>NL</sup>
14.45 - 15.30	Workshop 2: Biohydrogen Mr. Ed van Niel - Lund University <sup>SE</sup> Workshop 3: Regional Biomass Processing Mr. Jan van de Broek - Zeafuels <sup>NL</sup> Workshop 1: Cellulose Ethanol, Dr. Robbert Bakker/Ing. Jeroen van Bon (Scientist Biomass Valorisation)- Wageningen University <sup>NL</sup>
15.30 - 16.00	Coffee break
16.00 - 16.45	Workshop 3: Regional Biomass Processing Mr. Jan van de Broek - Zeafuels <sup>NL</sup> Workshop 1: Cellulose Ethanol, Dr. Robbert Bakker/Ing. Jeroen van Bon (Scientist Biomass Valorisation)- Wageningen University <sup>NL</sup> Workshop 2: Biohydrogen Mr. Ed van Niel - Lund University <sup>SE</sup>
16.45 - 19.00	Dinner

### Congress programme - Day 3 22 April 2010

09.00 - 13.00 Valorisation Biomass Congress - day 3

International Biomass Valorisation Congress

9.00 - 9.30	Registration and coffee/tea
9.30 - 10.15	Workshop 4: Dimethyl Ether (DME) Mr. Per Salomonsson - BioDME (invited) Workshop 5: Pyrolysis Mr. Gerhard Muggen - BTG Bioliquids <sup>NL</sup> Workshop 6: Co-fermentation Mr. Dr. Andreas Gronauer - Bavarian Institute of Agriculture LfL <sup>DE</sup> (invited)
10.15 - 11.00	Workshop 5: Pyrolysis Mr. Gerhard Muggen - BTG Bioliquids <sup>NL</sup> Workshop 6: Co-fermentation Mr. Dr. Andreas Gronauer - Bavarian Institute of Agriculture LfL <sup>DE</sup> (invited) Workshop 4: Dimethyl Ether (DME) Mr. Per Salomonsson - BioDME (invited)
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