EUROPEAN ALGAE BIOMASS
22–23 April 2015 Amsterdam, The Netherlands

ACCELERATING THE COMMERCIALISATION OF THE ALGAL BIOMASS THROUGH APPLIED BUSINESS STRATEGY

Key Topics Include:
• Productivity of Algae Cultures: Current Status and Future Prospects
• Developments in Algae Harvesting and Processing
• Financing of Biomass Power Projects
• Advances in Algae Commercialisation for Food, Feed and Bio-based Products
• Microalgae as a Sustainable Way to Treat Wastewater and CO2 Removal
• The Prospects in Commercial Biofuels Production
• Strategies and Challenges in Commercialisation of Algal Bio-products
• Algae R&D Projects: The Path From the Lab to Commercialisation

With Thanks to our Sponsors:

EXCLUSIVE LGEM & ALGAEPARC DUAL SITE VISIT - 21ST APRIL 2015

During the afternoon of 21st April 2015 a limited number of conference attendees will receive a unique opportunity to visit LGEM facilities in Den Haag and AlgaePARC at Wageningen University.

There is no extra charge to attend the site visits, but spaces are strictly limited and allocated on a first-come, first-served basis.

Please apply for the site visits upon conference registration.

Sponsorship & Exhibition Opportunities:
Maureen Ignacio
+44 (0) 20 3141 0636 or mignacio@acieu.net

More Information & Registration:
Dimitri Pavlyk
+44 (0) 20 3141 0627 or dpavlyk@acieu.net
ACI’s 5th annual European Algae Biomass Conference will once again bring together senior executives from industry and academia to discuss the latest commercial and technical developments, challenges and research breakthroughs throughout the entire algae value chain.

The conference will have a heavy focus on case study examples of latest technologies in operation in the global algae industry and also includes an exclusive site visit tours on Tuesday 21st of April 2015. Join us to discuss the technical challenges faced when optimising the cultivation of algae, study the current and future commercial markets for algae products and the challenges faced on the road to commercialisation including the views from a number of different end markets.

**Key Topics:**
- Productivity of Algae Cultures: Current Status and Future Prospects
- Developments in Algae Harvesting and Processing
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**Why You Cannot Miss This Event?**
The two day conference will comprise of a series of informative formal presentations from senior industry executives and experts, interactive panel discussions and excellent networking opportunities allowing you to maximise the productivity of your time at the event.

**Who Will You Meet at This Event?**
Algae cultivation plant owners and operators, leading algae/biomass research institutes, technology providers for cultivation, harvesting, dewatering, drying, oil extraction and processing, plant engineers and constructors, algae end market users, biofuel producers and green energy & biotech investors.

**Host City of Amsterdam**
This year’s event is going to Amsterdam, The Netherlands, offering our audience the opportunity to engage with not only international participants, but also local attendees from a rapidly growing market which offers enormous opportunity for business development.

**EXCLUSIVE DUAL SITE VISIT - Tuesday 21st April**

Lgem facilities in Den Haag and AlgaePARC at Wageningen University

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There is no extra charge to attend the site visit, but spaces are limited and allocated on a first come first served basis. Please register your attendance for the site visit when booking for the conference.

For more information or to register your attendance please contact Dimitri Pavlyk on +44(0) 203 141 0627 or dpavlyk@acieu.net

**Agenda Committee Members:**
- Cees Sagt - Principal Scientist Strain Development, DSM Biotechnology Center
- Peter van den Dorpel - CEO, AlgaeLink NV
- Lolke Sijtsma - Project leader SPLASH(Sustainable Polymers from Algae), Wageningen UR Food & Biobased Research
- Olivier Lépine - Management Team, Alglosource Technologies/ Alpha Biotech
- John R Benemann - microalgae biofuels Guru/ CEO, Benemann Associates/ Microbio Engineering
- Mario Tredici - Vice President & Professor, European Algae Biomass Association & University of Florence
- Bernardo Llamas Moya - Technology Director, FCC Aqualia
- Tim Zenk - Vice President of Corporate Affairs, Sapphire Energy
- Vitor Verdelho - President EABA & Necton, CDO AAF

**Opportunities to Meet Your Target Audience:**
For information on available sponsorship and commercial opportunities, please contact: Maureen Ignacio on +44(0) 203 141 0636 or mignacio@acieu.net

**Registration is Simple:**
If you would like to register for this event or wish to find out more information, please contact Dimitri Pavlyk using any of the following methods:

- +44 (0)203 141 0627
- dpavlyk@acieu.net
- http://www.acius.net
- Postal Address: ACI Europe, 5/13 Great Suffolk Street, London, SE1 0NS
CONFERENCE SESSION
Productivity of Algae Cultures: Current Status and Future Prospects
Current Status and Future Prospects of Photoautotrophic Microalgal Mass Production in Closed Systems
- Market situation
- System comparison
- Flat panel airlift photobioreactors – R&D to production scale
- Hybrid systems

10:30
Microalgae Production Systems: the Cascade Raceways
- Scaling-up a modern version of thin layer open ponds that can have very high productivities with cost effective operation costs. Demonstrated in the FP7 Project: BIOFAT

Vitor Verdelho Vieira
CDO A4F & President EABA

11:00
From idea to product: Legislation aspects in relation to:
- Production site
- Production and Processing requirements
- Markets

Lolke Sijtsma
Senior scientist (Marine) Biotechnology
Projectmanager SPLASH
Wageningen UR

11:50
CONFERENCE SESSION
Developments in Algae Harvesting and Processing
GemTube™ Two-Phase Tubular Photo-Bioreactors for commercial mass cultivation of micro-algae

12:10
CONFERENCE SESSION
Algae Commercialisation for Food, Feed and « Health Benefits »-based Markets
- Catalogue of algae strains and their specific benefits in different market sectors
- Volumes and growth rate of algae application in different market sectors
- Biomass market sectors FOOD and FEED, market sector « refined products »
- R&D-projects and perspectives for product development

Detlef Weber
CEO
Algae Natural Food

12:45
LUNCH

CONFERENCE SESSION
Advances in Algae Commercialisation for Food, Feed and Bio-based Products
- Algae as novel foods and novel foods ingredients – the US and EU legislation
- The promise of algae in animal feed and omega 3
- Pharmaceutical and cosmetic use of extracts from algae
- The potential for bio-based products

14:00
Algae bio-based products: process and products for the present
- Algae market segmentation: the price and volume challenge
- Algae function and their competitors
- Example of promising products
- Algorefining technologies that works today
- Integrated production plants for tomorrow

Olivier Lepine
Managing Director
AlgoSource

14:20
European Algae Biomass 2015
Amsterdam, The Netherlands

14:40Presentation Title to Be Confirmed

15:00Analyzing the position of stakeholder groups in algae innovation

15:50AFTERNOON REFRESHMENTS

16:20CONFERENCE SESSION
Microalgae as a Sustainable Way to Treat Wastewater and CO2 Removal
- Wastewater treatment with microalgae: applications for nutrients removal
- Municipal wastewater and industrial effluent treatment using algae
- Optimal microalgae selection for CO2 sequestration

16:20Advances in Microalgae in Wastewater Treatment and Biofuels Production

16:50Demonstration of nutrient removal and biomethane production with micro-algae

17:35CLOSE OF DAY ONE

DAY 2
Thursday 23rd April 2015

08:30REGISTRATION & COFFEE

09:00CHAIRMAN’S OPENING REMARKS
Mario Tredici
Professor Florence University & Vice-President European Algae Biomass Association

09:10CONFERENCE SESSION
The Prospects in Commercial Biofuels Production
Biofuels into a sustainable biorefinery concept

09:40▪ Was tewater treatment with microalgae: applications for nutrients removal
▪ Municipal wastewater and industrial effluent treatment using algae
▪ Optimal microalgae selection for CO2 sequestration

09:40▪ Indus trial facility for high grade algae biomass and biofuels
▪ Definition of scenario to secure sustainability
▪ Algae bio-crude from by Hydrothermal Liquefaction (HTL)
▪ Biorefinery as a need for economic sustainability

10:10▪ Analysis of the factors impacting deployment of algae technologies and the way forward
▪ Development of an algae roadmap for NW Europe

10:10▪ Legal aspects of algae cultivation, processing and products (including GMO)
▪ Upscaling of bioprocesses for algae (including cultivation, harvesting, disruption)

11:00MORNING REFRESHMENTS

11:30PANEL DISCUSSION
Strategies and Challenges in Commercialisation of Algal Bio-products
- Legal aspects of algae cultivation, processing and products (including GMO)
- Upscaling of bioprocesses for algae (including cultivation, harvesting, disruption)

Sponsorship and Exhibition:
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mignacio@acieu.net
Can algae contribute to global food, feed and fuel supplies?
Potential investors in different stages of the project

- Sander Hazewinkel
  Chief Commercial Officer
  LGem B.v

- Cees Sagt
  Principal Scientist Genetics and Strain Development
  DSM Biotechnology Center

- James Drage
  Managing Partner
  Atlantic Venture Capital Partners

- Vitor Verdelho Vieira
  CDO A4F & President EABA

13:00 LUNCH
14:00 CONFERENCE SESSION
Algae R&D Projects: The Path From the Lab to Commercialisation
Five leading R&D experts will be given 20 minutes each to present their most current & cutting-edge projects and research to our participants, followed by 30 minutes for discussions amongst the chair, panellists and participants.

- Astaxanthin the Superb Antioxidant
  - Haematococcus
  - Cellular and molecular biology
  - Large scale production
  - Market
  - Sammy Boussiba
    Professor Microalgal Biotechnology
    Ben-Gurion University of the Negev

- Recent Advances in Cell Engineering for Biobased Processes
  - Significant advances in tools to create increasingly complex DNA structures and DNA design knowledge is broadening the range of cell engineering applications and significantly shortening the time to develop efficient biocatalysts
  - The first significant deployment of advanced phototrophic algal strains will likely be in the production of food and feed products, rather than biofuels, due to underlying economics

14:20

- BIO4BIO: production of biofuel and bio based products from agroindustry residual biomass
  - Microalgae based biorefinery for nutraceutical and animal feed products
  - Scaling-up of microalgae biorefinery on integrated wastewater/thermochemical industrial plant
  - Luciano Falqui
    Project Manager BIO4BIO Project
    Plastica Alfa

- The D-Factory: a CO2 Microalgae Biorefinery
  - Patricia J Harvey
    Professor Faculty Of Engineering And Science
    University Of Greenwich

15:20

- Process development for new applications of microalgae and cyanobacteria in organic
  - Microalgal strains with bioactivities useful in plant protection replacing pesticides
  - Development of production processes in flat panel airlift reactors
  - Processing and storage of microalgae biomass for application as a fungicide

15:40)

- Mario Tredici
  Professor Florence University & Vice-President European Algae Biomass Association

16:15 END OF CONFERENCE & NETWORKING REFRESHMENTS

16:10 CHAIRMAN’S CLOSING REMARKS
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Postal Address:
ACI Europe, 5/13 Great Suffolk Street, London, SE1 0NS

Terms & Conditions

Payment
Payment must be received within five business days of returning the signed contract. After receiving payment a VAT receipt will be issued. If you do not receive a letter outlining details two weeks prior to the event, please contact the Conference Coordinator at ACI Europe Ltd.

Discounts are available for multiple/group bookings. Please call Dimitri on +44 (0)203 141 0627 for more information.

Cancellations
Substitutions are welcome up to 24 hours prior to the event. Cancellations must be received in writing no less than 3 weeks prior to the start of the conference; a full credit voucher towards a future ACI conference will be issued. Any cancellation received less than 3 weeks prior to the start of the event shall be deemed to be a breach of this contract by client, and accordingly, no credits will be given. Cancellations must be received in writing by mail or fax three weeks before the conference. Thereafter the full conference fee is payable. If for any reason ACI Europe Ltd decides to amend, cancel or postpone this conference, the conference fee will not be refunded. Furthermore, ACI Europe Ltd will not be responsible for covering airfare, hotel or other costs incurred by registrants. In the event that ACI Europe Ltd cancel or postpone the event, ACI Europe Ltd reserves the right to transfer this booking to another conference to be held in the following twelve months, or to provide a credit of an equivalent amount to another conference within the following twelve months. The construction, validity and performance of this agreement shall be governed in all respects by the laws of England to the exclusive jurisdiction of whose courts the Parties hereby agree to submit.

Accommodation
The cost of accommodation is not included in the event fee. Preferential rates will be arranged with or near the event venue, and all confirmed delegates will be given details of how to book accommodation at this rate.

About ACI
ACI, a UK owned company, have been running successful conferences for the last 15 years in the USA. Headquartered in Chicago with offices all around the States, they run forums in varied fields and are market leaders in healthcare business conferences. Opening their European head office at the end of 2005, they have expanded rapidly and are launching a series of events covering the maritime, energy, oil and gas industries.

Supporting Partners:

Media Partners:

Conference Venue:

Radisson Blue Hotel Amsterdam Airport
Boeing Avenue 2
NL-1119 PB, Schipol-Rijk