

8TH EUROPEAN ALGAE INDUSTRY SUMMIT

25 & 26 APRIL 2018 - VIENNA, AUSTRIA

COMMERCIAL, TECHNICAL & RESEARCH PERSPECTIVES ON THE ALGAE MARKET
& ITS VARIOUS END-USES

ACI

KEY TOPICS

- The Volatility of the Algae Industry
- Implementing Sustainability for Algae Projects
- Algae Production
- Exploring Production, Harvesting & Extraction Technologies
- Algae for Animal Feed & Aquaculture
- Wastewater Treatment Solution
- Algae for Nutritional Products
- Standardisation & Awareness for Algae Products – Focus on Food Products
- Algae in Cosmetics Applications
- Agricultural Utilisation of Algae
- Algae as an Energy Source

EXCLUSIVE SITE VISIT

Tuesday 24th April 2018

Ecoduna “Hanging Gardens” Plant

A day prior the conference, a limited number of delegates will have a unique opportunity to join an exclusive site visit to Ecoduna “Hanging Gardens” Plant in Bruck an der Leitha, Austria.



There is no extra charge to join, although places are limited and allocated to the conference delegates on first come first served basis. Book your place early to avoid disappointment!

SPECIAL EABA MEMBER DISCOUNT:
REGISTER FOR ONLY **£1,435 (ex.Vat)**
INSTEAD OF **£1,595(ex.Vat)**
SPACES ARE LIMITED!



FOR MORE INFO OR REGISTRATION
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141 0627 OR DPAVLYK@ACIEU.NET AND
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More Information & Priority Registration contact:
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Following the success of its previous editions, ACI's 8th European Algae Industry Summit (25-26 April, 2018 – Vienna, Austria) will explore the ongoing developments of the algae industry. With insights from key industry players, the conference will address both the technical and commercial aspects of algae production and its end-uses, in Europe and across the globe.

This edition of the summit will highlight different case studies on the various uses & products made from algae, during dedicated sessions.

The two day event will also propose an in-depth look into the technologies supporting the industry. The participants will also have the chance to discuss how to keep the industry thriving as a whole, through best practices & lessons learnt, as well as ensuring sustainability.

Join us in Vienna for a highly interactive & informative conference, whilst enjoying the networking opportunities with your peers.

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2018 Edition Agenda Committee

For this 8th edition of the event, we have gathered some key industry players to form an advisory committee and help us build the conference agenda, on top of our research.

- Syed Isa Syed Alwi, Group CEO, **Algaetech Group of Companies**
- Olivier Lepine, Managing Director, **AlgoSource**
- Mine Uran, CEO, **Alver**
- Sammy Boussiba, Head, Microalgal Biotechnology Laboratory, **Ben-Gurion University of The Negev**
- Mario Tredici, Vice President, **EABA**
- Silvia Fluch, COO, **Ecoduna**
- John R. Benemann, CEO, **MicroBio Engineering**

EXCLUSIVE SITE VISIT:

Ecoduna Plant
Tuesday 24th April 2018



During the afternoon of Tuesday 24th April, prior to the conference, a limited number of conference delegates will receive the unique opportunity to visit the newly expanded Ecoduna Plant.

ecoduna is a young SME founded in 2010 using proprietary photobioreactor(PBR) technology for microalgae biomass production. With the currently 21 employees, and its patented technology of vertically flowing PBRs (i.e. hanging gardens) ecoduna produces biomass of various algae species of high quality. Based in Austria, ecoduna is growing algae strains all year round in the demonstration plant with the goal to produce biomass for omega3 algae oil extraction. In 2017 the technology is taken to industrial scale with the construction of a 1ha production facility. The plant will be operational from 2018 on. During the site visit, both locations, the demonstration plant with the R&D set up as well as the industrial production site will be visited.

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.

Site Visit Itinerary:

12:30 Site visit registration at the conference hotel/venue
13:00 Bus departs conference hotel/venue
13:50 Arrival at the Ecoduna plant
14:00 Welcoming address by Ecoduna's representative and introduction of the site
14:30 Group A goes to visit the industrial production site / Group B goes to visit the demo plant
15:00 Switch between the 2 group: Group A goes to visit the demo plant / Group B goes to visit the industrial production site
15:40 Refreshments and final Q&A
16:10 Bus depart the Ecoduna plant
17:00 Arrival at the conference hotel/venue

Registration is Simple

If you would like to register for this event or wish to find out more information, please contact:

Dimitri Pavlyk +44 20 3141 0627 / dpavlyk@acieu.net

DAY 1

Wednesday 25th April 2018

08:00 REGISTRATION & COFFEE

09:00 CHAIR'S OPENING REMARKS



Mario Tredici
Vice President
EABA

09:15 CONFERENCE PRESENTATION
The Volatility of the Algae Industry

- Success & failures: What have we learnt in the last few years?
- Overview of the industry now (2018-2019) both on a global & European scale
- What can be expected in the next 5-10 years?
- Where is the European algae industry heading: Predictions on growth, trends, end-uses



Vitor Verdelho Vieira
President
EABA

10:00 CONFERENCE PRESENTATION
Implementing Sustainability for Algae Projects

- How to be proactive & overcome potential environmental issues for the algae industry
- The role of microalgae in the circular bio economy
- Life cycle analysis of microalgae – from production to end-use



Olivier Lépine
Managing Director
AlgoSource/Alpha Biotech

10:45 MORNING REFRESHMENTS

SESSION ONE
Algae Production

11:30

- **Natural Astaxanthin from the green microalgae *Haematococcus Pluvialis* – a novel cultivation system in Austria**
- Application in cosmetic formulation and antioxidant properties
- Innovative cultivation and production of Astaxanthin
- Importance of natural Astaxanthin in the market



Dr. Edgar Ahn
Managing Director
BDI - BioLife Science

11:50

- **High value products from microalgae – autotrophic vs. heterotrophic production**



Sammy Boussiba
Head of Microalgal Biotechnology
Laboratory
Ben-Gurion University of the
Negev

12:10

- **Making the most of autotrophic production technologies**
- Case study: strategic partnership between Microphyt and Archimede Ricerche
- Nutritional product development: from existing products to innovative solutions
- Exploiting microalgae diversity in Cosmetic applications



Vincent Usache
General Manager
Microphyt

12:30

- **Microalgae Industrial Production: Myths vs Realities**



Nuno Coelho
CEO
A4F - Algae for Future

12:50

Panel Q&A

13:20

LUNCH

SESSION TWO

Exploring Production, Harvesting & Extraction Technologies

14:40

- **Tubular Glass Photobioreactors: Think Outside the Pond!**



Fritz Wintersteller
Director of Business Development
SCHOTT

15:10

- **Algae cultivation in fully controlled environments**
- Solutions for algae bioprocess development
- Stainless-steel pilot-scale algae bioreactor 150L
- A user's point of view: working with the prototype



Dirk Hebel
Product Manager Bioprocess
Equipment
INFORS HT



Vincent Usache
General Manager
Microphyt

15:40

- **Get more measurement and control out of your algae growth'**
- Automatization of the fermentation process.
- Integration new sensors and actuators.
- New type of simple ideas to implement quality and more stability of Algae growth
- Build in flexibility to optimise the growth.



Marc Buevink
CEO
Biostream

16:10

Panel Q&A

16:30

AFTERNOON REFRESHMENTS

17:00

CONFERENCE PRESENTATION
Algae for Animal Feed & Aquaculture

- Best practices & pitfalls to avoid for algae as animal feed
- Gaining insights on the main commercial outlet for microalgae
- High value (live, frozen, dried) and bulk feeds: Challenges & opportunities



Sofia Hoffmann de Mendonça
Business Development Manager
Allmicroalgae

17:45

CONFERENCE PRESENTATION
Wastewater Treatment Solution

- Case study on algae used in wastewater treatment
- Exploring technologies supporting algae as wastewater solution
- Nutrients recovery from municipal wastewaters



John Benemann
CEO
MicroBio Engineering

18:30

CLOSE OF DAY ONE

DAY 2

Thursday 26th April 2018

08:30

REGISTRATION & COFFEE

09:00

CHAIR'S OPENING REMARKS



Mario Tredici
Vice President
EABA

SESSION THREE

Algae for Nutritional Products

09:05

▪ **Case Study - Consumer products using Chlorella**



Mine Uran
CEO
Alver

09:35

▪ **Novel compounds from Microalgae**

- From research to industrial application
- Biorefinery: pigments, fatty acids and the rest
- Standards, certificates and regulations



Silvia Fluch
Managing Partner
Chief Operations Office
Ecoduna

10:05

▪ *Presentation title to be announced*



Denis von der Weid
Founder & Director
Antenna Foundation

10:35

Panel Q&A

10:55

MORNING REFRESHMENTS

11:40

PANEL DISCUSSION
Standardisation & Awareness for Algae Products – Focus on Food Products

- Does consumer awareness & acceptance of algae food products mean process standardisation is necessary?
- Setting-up standards for production/harvest/extraction/processing of algae HVP for human consumption
- The importance of optimising food security, on a health & safety perspective, when working on increasing and improving awareness & acceptance by consumers

Each panellist will give a brief introduction - approx. 5mins, before starting the panel Q&A



Alexandra Mosch
Managing Director
MIAL



Carlos Unamunzaga Escosura
General Manager
Fitoplankton Marino



Maria Barbosa
Director AlgaePARC
Associate Professor Microalgal
Biotechnology AlgaePARC
Wageningen University

12:30 **CONFERENCE PRESENTATION**
ALGATEC Eco Business Park - 14.2 ha integrated and serviced site for microalgae production and processing at an industrial scale



Edgar Santos
 Business Development Officer & Head
 of Special Projects
A4F - Algae for Future

12:50 **LUNCH**

SESSION FOUR
Agricultural Utilisation of Microalgae

14:00 **Agricultural utilisation of microalgae**

- Biostimulants market: current situation and trends
- Microalgae applications in agriculture: state of the art and potential



Carlos Rodriguez-Villa
 General Manager
AlgaEnergy

14:30 **Thin-layer cascades for mass cultivation of microalgae**

- Outdoor thin-layer cascades (TLCs) are characterised by high biomass productivity, operating at high cell density and are used for mass microalgae production. Still this technology has to be validated at large scale.
- The main objective of the SABANA project is a scale-up of open culture systems (TLCs and improved RWP) up to 1- to 20-hectare DEMO plants located in Almería, Spain
- Selected microalgae producing biostimulants and biopesticides have been characterised as concerns culture regimes to be used as production strains.
- At present R&D and DEMO1 facilities are being tested as well as monitoring techniques to optimise the growth of mass cultures in large-scale units.



Prof. Jiri Masojidek
 Senior Researcher
Laboratory of Algal Biotechnology

15:00 **Panel Q&A**

15:15 **CONFERENCE PRESENTATION**
Algae as an Energy Source

- The role of algae biomass vs. other energy sources (solar, hydro etc.) in today's energy sector
- Harnessing electricity from algae using photosynthetic power cell (anode/cathode & proton membrane)



Dr. Marin Sawa
 Research Associate
 Faculty of Engineering, Department of
 Chemical Engineering
Imperial College London

16:00 **CHAIR'S CLOSING REMARKS**



Mario Tredici
 Vice President
EABA

16:10 **END OF CONFERENCE & NETWORKING REFRESHMENTS**

Who will you meet in Vienna?

We've had a great response to this year's agenda from both businesses and academia, with confirmed attendees including senior representatives from:

Total RC Biofuels Division * Beiersdorf * **Reliance Industries Limited** * University of Turku * **Biotechmarine / Seppic** * Vinderen Sp. Z O.o. * **Algoliner GmbH & Co. KG** * Biesterfeld Spezialchemie GmbH * **GICON** * Roskilde University * **AlgaEnergy** * Allmicroalgae * **Wageningen University** * Fitoplancton Marino * **MIAL** * SCHOTT AG * **ASAE** * Ecoduna * **AlgoSource/Alpha Biotech** * Ben-Gurion University of the Negev * **Microphyt** * Algaetech Group of Companies * **Imperial College London** * MicroBio Engineering, Inc. * **EABA** * Imperial College London * **BDI - BioLife Science GmbH** * Alver * **Seventure Partners** * JAMK University of Applied Sciences * **Dr. Behr GmbH** * InnoVenton/NMU * **Fermentalg** * Adisseo * **Naturex** * Agro Innovation Internationale * **Algenuity** * ENN GROUP * **Synthetic Genomics, Inc.** * Laboratory of Algal Biotechnology * **Natural Resources Institute Finland** * Shenzhen Qianhai Xiaozao Technology Co., Ltd. * **Algatechnologies Ltd.** * Greenko Consultancy * **Algenol Biofuels GmbH** * Andritz Gouda BV and many more...

8th European Algae Industry Summit

Vienna, Austria

25th & 26th
April
2018

Registration is Simple

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+44 20 3141 0627

dpavlyk@acieu.net

<http://www.acieurope.net>

Postal Address:
ACI Europe, 10 Gough Square, London, EC4A 3DE

Registration is Simple

Conference Pass (Incl. Documentation Pack)

25th & 26th April 2018

£1,595
(Exc. VAT)

Documentation Packet Only

£420.00

Please Note.

Members and customers of all supporting organisations are entitled to a discount off their conference package.

For more information please call Dimitri on +44 20 3141 0627

Documentation Packet Available

We are selling 8th European Algae Industry Summit papers at just £395 (+£25 P&P). Simply tick the box on the booking form, send it with payment and your copy will be on its way to you after the meeting. This important manual will be a source of invaluable reference for the future.

About ACI

ACI, a UK owned company, has been running successful conferences in the USA since 1999. Headquartered in Chicago with offices all around the States, ACI opened its European head office at the end of 2005 and has expanded rapidly, launching a series of events in key industries including maritime, energy, oil & gas, cosmetics, chemicals & media.

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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 Pavlyk on +44 20 3141 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 in due course.

Conference Venue:

The Ritz – Carlton Vienna



Schubertring 5-7

1010 Vienna

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