

March 6-8, 2018 // Strasbourg - France

## PROGRAMME OVERVIEW

### BBI & Bioeconomy's EU Project Information and Brokerage Event

March 6	10:15-12 :30	Plenary Session: Analysis and opportunities of Public-Private Partnerships and other European initiatives – by PNO Consultants	
	12 :00 – 14 :00	Networking Lunch	
	13:00 – 18:00	Innovation Tours: <ul style="list-style-type: none"> <li>• DE DIETRICH Zinswiller's site</li> <li>• TEREOS Marckolsheim's site</li> </ul>	
	14:00 – 17:30	B2B meetings sessions	

### BIOKET Conference

March 7	09:00 – 11:30	Opening Plenary Session: Overview on KETs	
	11:30 – 12:00	Networking Break	
	12:00 – 13:00	Round Table: In house or outsourced what is your scaling up strategy?	
	13:00 – 14:15	Networking Lunch	
	14:15 – 15:35	Biotech processes parallel session 1: <ul style="list-style-type: none"> <li>• New frontier for synthetic biology</li> </ul>	Physico-chemical processes parallel session 1: <ul style="list-style-type: none"> <li>• Novel lignocellulosic biomass pretreatment and fractionation</li> </ul>
	15:35 – 16:15	Networking Break	
	16:15 – 17:35	Biotech processes parallel session 2: <ul style="list-style-type: none"> <li>• Bioreactors and advanced fermentation processes</li> </ul>	Physico-chemical processes parallel session 2: <ul style="list-style-type: none"> <li>• Extraction and valorization of non-cellulosic fractions of biomass</li> </ul>
	17:35 – 18:30	Cocktail (Cheese & Wine) by Eurodia	
March 8	19:30 – 22:30	Networking Dinner	
	08:30 – 09:50	Biotech processes parallel session 3: <ul style="list-style-type: none"> <li>• Novel downstream processes</li> </ul>	Physico-chemical processes parallel session 3: <ul style="list-style-type: none"> <li>• Revisiting biobased production processes</li> </ul>
	09:50 – 10:45	Networking Break	
	10:45 – 12:15	Biotech processes parallel session 4: <ul style="list-style-type: none"> <li>• Novel fermentation technologies to valorize gaseous feedstock</li> </ul>	Physico-chemical processes parallel session 4: <ul style="list-style-type: none"> <li>• Novel physico-chemical processes</li> </ul>
	12:15 – 13:30	Networking Lunch	
	13:30 – 14:30	Biotech processes parallel session 5: <ul style="list-style-type: none"> <li>• Innovative tools to optimize bio productions</li> </ul>	Physico-chemical processes parallel session 5: <ul style="list-style-type: none"> <li>• Modelisation and engineering to industrialize processes</li> </ul>
14:30 – 16:00	Closing Plenary: Combining KETs to optimize biomass valorization		

# DRAFT PROGRAMME – March 6<sup>th</sup>



## Tuesday March 6<sup>th</sup> - BBI & Bioeconomy's EU Project Information and Brokerage Event

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09:30 – 10:15	Registrations and Welcome of participants
10:15 – 12:30	<p><b>Plenary Session: Analysis and opportunities of Public-Private Partnerships and other European initiatives</b></p> <p>Welcome and opening words Christophe LUGUEL – International Affairs Manager – IAR Cluster (France)</p> <p>PNO will invite the guests of the session to follow together an hands-on approach to the specific opportunities at hand, focusing on de-risking capital investments and de-costing innovative operations while tackling the full scope of the specific challenges and expect impact at hand. More specifically:</p> <p>Analyse specific call for projects available in 2018, with a special focus on BBI JU and LIFE Filippo GIANCARLO MARTINELLI – Consultant &amp; GA Pipeline Manager – PNO Consultants (Belgium)</p> <p>Clarification of the expectations of the BBI JU (European Commission / BioBased Industries Joint Undertaking) in the work program, alignment with societal challenges and new BBI SIRA Philippe MENGAL – Executive Director - Bio-Based Industries Joint Undertaking (Belgium)</p> <p>How to set up a successful EU proposal and secure the grant without committing one-self to deliver the impossible Filippo GIANCARLO MARTINELLI – Consultant &amp; GA Pipeline Manager – PNO Consultants (Belgium)</p> <p>Showcasing a successful BBI Project (possibly Flagship) TBC</p> <p>Key concept of the event is providing the right mixture of public information, in house expertise and concrete opportunities, building much beyond the classic concept of “info day”, thanks to the business friendly environment and technology focus of the event.</p>
12:00 – 14:00	Networking Lunch
13:00 – 18:00	<p><b>Innovation Tours:</b> TEREOS Marckolsheim's site or DE DIETRICH Zinswiller's site <i>Both site visits are reserved to BIOKET's participants (registration needed)</i></p>
14:00 – 17:30	<p>14:00 – 15:30: First B2B meetings session 15:30 – 16:00: Networking Break 16:00 – 17:30: Second B2B meetings session</p>

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08:30 – 09:00 Registrations & Welcome of participants

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09:00 – 11:30 Opening Plenary Session: Overview on KETs

Welcome and BIOKET's presentation: what to expect  
Johan De Coninck – Business Development Manager – IAR Cluster (France)

Opening of the BIOKET conference  
President – IAR Cluster (France)

EC policy on KETs and their potential impact on the EU economy  
Speaker to be confirmed

General view on KETs applied to the Bioeconomy

- State of the art in Biotechnology and Green chemistry
- Challenges for the future

Ludo DIELS – Research Leader – VITO (Belgium)

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11:30 – 12:00 Networking Break

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12:00 – 13:00 Round Table – In house or outsourced: what is your scaling up strategy?

Chairman: Michael KREL – Principal – Sofinnova Partners (France)

- Yvon LE HENAFF – General Manager – ARD (France)
  - Speaker to be confirmed - Ginkgo Bioworks (USA)
  - Michael O'DONOHUE – Research Director - IBISBA (France)
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13:00 – 14:15 Networking Lunch

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# DRAFT PROGRAMME – March 7<sup>th</sup>

14:15 – 15:35	<b>New frontier for synthetic biology</b>  14:15: Metabolic engineering from the molecule structure to an industrial microorganism Cyrille PAUTHENIER – President – Abolis (France)  14:35: You design it, we build it! Emily LEPROUST – CEO – Twist Bioscience (USA)  14:55: Title TBC Ena (Chan) CRATSENBURG - CBO - Ginkgo Bioworks (USA)  15:15: Title TBC Speaker to be confirmed – ARZEDA (USA)	<b>Novel lignocellulosic biomass pretreatment and fractionation</b>  14:15: Pretreatment of lignocellulosic biomass Anton HAPPEL – Senior Process Technologist – Bioprocess Pilot Facility BV (The Netherlands)  14:35: From forest to food: Novel biomass fractionation – conversion technology Lisette TENLEP – Senior Research Director – Arbiom Inc (USA)  14:55: Intensified continuous biomass treatment by twin screw extrusion Sylvie BRUNEL – Development Process Manager – Clextrel (France)  15:15: Pressurized hydrolysis $\mu$ wave system for the processing of biomass and bio-wastes Mark GRONNOW – Process Development Unit Manager – Biorenewables Development Center (United Kingdom)
15:35 – 16:15	<b>Networking Break</b>	
16:15 – 17:35	<b>Bioreactors and advanced fermentation processes</b>  16:15: VTH Industrial revolution recycling CO <sub>2</sub> into carbon chains, real time Jean-Louis ROUX DIT BUISSON – CEO – Neocarbons (Switzerland)  16:35: Innovative photobioreactors for large scale culture of algal biomass Frédéric BARBARIN – CEO – Sunoleo supported by GRTgaz (France)  16:55: BIORARE: BioElectrochemical Systems (BES <sup>®</sup> applied to waste biorefineries Théodore BOUCHEZ – Project Leader – IRSTEA (France)  17:15: Fermentative synthesis of biosurfactants by pseudozyma species using renewable feedstock Susanne ZIBEK – Industrial Biotechnology Group Manager – Fraunhofer IGB (Germany)	<b>Extraction and valorization of non-cellulosic fractions of biomass</b>  16:15: Extraction in subcritical water Nicolas TETARD – International Sales Engineer – Tournaire (France)  16:35: Train of electric pulses: a promising way for protein extraction from microalgae Benoit SCHOEFS – Head of the team “Metabolism, Bioengineering of Molecules from Microalgae and Applications” – Le Mans University  16 :55 : Title TBC TBC  17 :15 : Combination of technologies to optimize extraction performance Robert MARSELLES – Project Leader – Celabor (Belgium)
17:35 – 18:30	<b>Cocktail (Cheese &amp; Wine) by Eurodia</b>	
19:30 – 22:30	<b>Networking Dinner - <i>Reservation needed</i></b>	

# DRAFT PROGRAMME – March 8<sup>th</sup>



Thursday March 8<sup>th</sup> - **BIOKET Conference**

08:30 – 09:50

## Novel downstream processes

08:30: Forward osmosis: A novel process for the cold concentration of sensitive liquids

Fabrice GASCONS VILADOMAT – CEO – Ederna (France)

08:50: Extraction and purification of metabolites in biotechnologies by Centrifugal Partition Chromatography

Luc MARCHAL – HDR Laboratory GEPEA – Nantes University (France)

09:10: Purification and valorization of C<sub>5</sub>-sugars from hemicellulose streams by membrane filtration and hydrothermal processes

Arne GRÖNGRÖFT – Group Leader of the Fuel & Separation

Technologies group – Kombichem DBFZ – Deutsches

Biomasseforschungszentrum gemeinnützige GmbH (Germany)

09:30: Continuous chromatography & numerical simulation: how to shorten, optimize and secure the way to industrial scale

Cédric PRIEUR – Corporate Innovation – Novasep (France)

## Revisiting biobased production processes

08:30: Continuous production of esters: Intellectual curiosity or exciting industrial prospect?

Marc-Olivier SIMON – Chemistry Business Unit Manager – Ypso Facto (France)

08:50: Title TBC

TBC

09:10: Extrusion process: A versatile and innovative tool for biorefinery

Pierre FERCHAUD – Project Manager, in charge of reactive extrusion – Extractis (France)

09:30: Title TBC

TBC

09:50 – 10:45

## Networking Break

10:45 – 12:15

## Novel fermentation technologies to valorize gaseous feedstocks

10:45: Building new microbes with appetite for low-cost gases

Derek GREENFIELD – CEO – Imicrobes (USA)

11:05: A key role for shared pilot facility to deploy gas fermentation

Speaker to be confirmed- Bio Base Europe Pilot Plant (Belgium)

11:25: Title TBC

TBC

11:45: Title TBC

TBC

## Novel physico-chemical processes

10:45: Novel natural lipophilic dyes obtained by a green enzymatic process

Lionel MUNIGLIA – Scientific Director - BIOLIE (France)

11:05: Title TBC

TBC

11:25: Solid-liquid solvent extraction with all-in-one DDPS extractor

Arnaud ROUTIER – Solution Manager Vegetal Chemistry – De Dietrich Process Systems (France)

11:45: REALCAT: A “one-of-a-kind” advanced high-throughput technologies platform for biorefineries catalysts design

Sébastien Paul – Full Professor - UCCS – Catalysis Unit and Solid Chemistry, Lille (France)

# DRAFT PROGRAMME – March 8<sup>th</sup>

12:15 – 13:30 Networking Lunch

13:30 – 14:50 Innovative tools to optimize bio productions

13:30: Digital fermentation – Boosting production through advanced on-line and real-time monitoring of bioethanol industrial fermentation  
Marcelo DO AMARAL – CEO – GlobalYeast (Brazil)

13:50: In vivo evolution joined to robotized fermentation: accelerate the strain adaptation and the process optimization  
Julien CESCUT – Manager of Biotransformation Platform – TWB (France)

14:10: Title TBC  
TBC

14:30: Bacteriocins applications for the development of new genetic control of microbial strains in industrial fermentation  
Philippe GABANT – CSO – Syngulon (Belgium)

Modelisation and engineering to industrialize processes

13:30: Bioprocess design: key issues for a methodological de-risking of process development and integration of technologies  
Hector OSUNA – Innovation Manager – Processium (France)

13:50: Enhancing the development of bio-based products using process modelling and simulation  
Marie-Amélie de VILLE d'AVRAY – Resources Sector Manager – Caspeo (France)

14:10: Title TBC  
TBC

14:30: Title TBC  
TBC

15:00 – 16:30 Closing Plenary Session: Combining KETs to optimize biomass valorization.

Metsä Group's bioproduct mill: A next-generation biorefinery applying a multitude of KETs  
Niklas VON WEYMARN – Vice President Research – METSÄ GROUP (Finland)

Digitalization of Biorefineries

Ivan STJEPANOVIC – Business Development Global Account Plant Engineering Software – SIEMENS Industry Software GmbH (Germany)

Conclusions

**REGISTER NOW**

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