

March 6-8, 2018 // Strasbourg - France

## 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	<a href="#">Networking Lunch</a>		
	13:00 – 18:00	Innovation Tours: <ul style="list-style-type: none"> <li>• DE DIETRICH Zinswiler'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	<a href="#">Networking Break</a>		
	12:00 – 13:00	Round Table: In house or outsourced what is your scaling up strategy?		
	13:00 – 14:15	<a href="#">Networking Lunch</a>		
	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>	Thermochemical processes parallel session: <ul style="list-style-type: none"> <li>• Thermochemical treatments of biomass</li> </ul>
	15:35 – 16:15	<a href="#">Networking Break</a>		
	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>	Application processes parallel session: <ul style="list-style-type: none"> <li>• Key enabling technologies to produce what?</li> </ul>
	17:35 – 18:30	<a href="#">Cocktail</a> (Cheese & Wine) by Eurodia		
19:30 – 22:30	<a href="#">Networking Dinner</a> by Prosim			
March 8	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	<a href="#">Networking Break</a>		
	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	<a href="#">Networking Lunch</a>		
	13:30 – 14:50	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 scale-up derisking</li> </ul>	
15:00 – 16:30	Closing Plenary: Next generation of biorefinery			

# 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 - AgriChemWhey: An integrated biorefinery for the conversion of dairy side streams to high value bio-based chemicals Bill MORRISSEY – Procurement Manager – Glanbia (Ireland)</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

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- The French Bioeconomy Cluster (France)

Opening of the BIOKET conference

Yvon LE HENAFF - Chairman – IAR – The French Bioeconomy Cluster (France)

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)

Combining (bio)-chemists and engineering skills to develop smarter processes

- How to adapt process engineering methodologies to the constraints of the sector and to the level of information accessible to the (bio)chemists to enable them to compare as early as possible various process configurations and to find the best suited, optimized and reliable process in a fast, flexible and cost-efficient manner.

Roger-Marc NICLOUD – President and CEO - Ypso-Facto (France)

11:30 – 12:00 Networking Break

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

Is there a unique scaling strategy? What are the key elements to choose the right strategy? What are the advantages and disadvantages of each strategy?

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

- Ena Chan CRATSENBURG – CBO - Ginkgo Bioworks (USA)
- Jean-Christophe DUVAL – Business Development Manager - ARD (France)
- Michael O'DONOHUE – Research Director - IBISBA (France)
- Thomas LADRACK – Sales Manager - ZETON BV (The Netherlands)

13:00 – 14:15 Networking Lunch

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

<p>14:15 - 15:35</p> <p><b>New frontier for synthetic biology</b></p> <p>14:15: Metabolic engineering from the molecule structure to an industrial microorganism Cyrille PAUTHENIER – President – Abolis (France)</p> <p>14:35: You design it, we build it! Ross KETTLEBOROUGH – Technical Director in Europe – Twist Bioscience (USA)</p> <p>14:55: Building a platform to engineer biology Patrick BOYLE – Head of Design - Ginkgo Bioworks (USA)</p> <p>15:15: From bits to molecules: protein design for the speciality chemical industry Alexandre ZANGHELLINI – CEO – Arzeda (USA)</p>	<p><b>Novel lignocellulosic biomass pretreatment and fractionation</b></p> <p>14:15: Pretreatment of lignocellulosic biomass Anton HAPPEL – Senior Process Technologist – Bioprocess Pilot Facility BV (The Netherlands)</p> <p>14:35: From forest to food: Novel biomass fractionation – conversion technology Lisette TENLEP – Senior Research Director – Arbiom (USA)</p> <p>14:55: Intensified continuous biomass treatment by twin screw extrusion Sylvie BRUNEL – Development Process Manager – Clextral (France)</p> <p>15:15: Pressurized hydrolysis <math>\mu</math>wave system for the processing of biomass and bio-wastes Mark GRONNOW – Process Development Unit Manager – Biorenewables Development Center (United Kingdom)</p>	<p><b>Thermochemical treatments of biomass</b></p> <p>14:15: GENEPI, an innovative pilot-scale R&amp;D platform dedicated to pretreatment and thermal conversion of dry and wet biomass and waste Isabelle CHAPUIS – Head of Laboratory – CEA Liten (France)</p> <p>14:35: Thermochemical conversion of biomass into energy and valuable products through torrefaction and pyrolysis Olivier LEPEZ - CEO – ETIA (France)</p> <p>14:55: Latest update on commercial of empyro pyrolysis plant Gerhard MUGGEN – Managing Director – BTG-BLT (The Netherland)</p> <p>15:15: Hypnoca: an innovative process for the production of renewable hydrogen from biomass Christian BESTIEN – Director Business Development, Sales and Marketing - Haffner Energy (France)</p>
<p>15:35 – 16:15 <b>Networking Break</b></p>		
<p>16:15 – 17:35</p> <p><b>Bioreactors and advanced fermentation processes</b></p> <p>16:15: VTH Industrial revolution recycling CO<sub>2</sub> into carbon chains, real time Jean-Louis ROUX DIT BUISSON – CEO – Neocarbons (Switzerland)</p> <p>16:35: Innovative photobioreactors for large scale culture of algal biomass Nicolas DELPONT – Scientific Director – Sunoleo supported by GRTgaz (France)</p> <p>16:55: BIORARE: BioElectrochemical Systems (BES) applied to waste biorefineries Théodore BOUCHEZ – Project Leader – IRSTEA (France)</p> <p>17:15: Optimization of heterotrophic cultivation of chlorella sorokiniana, at the service of cosmetic industry Pauline ROUAUD-TINGUELY – Scientific Communication Project Leader – Silab (France)</p>	<p><b>Extraction and valorization of non-cellulosic fractions of biomass</b></p> <p>16:15: Extraction in subcritical water Nicolas TETARD – International Sales Engineer – Tournaire (France)</p> <p>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</p> <p>16 :55 : Superficial CO<sub>2</sub> extraction: overview of industrial applications and forthcoming development Benoit LEGROS – Scientific and Technical Officer – IFS (France)</p> <p>17 :15 : Combination of technologies to optimize extraction performance Robert MARSELLES – Project Leader – Celabor (Belgium)</p>	<p><b>Key Enabling Technologies to produce what?</b></p> <p>16:15: Rational design of cell factories Simão SOARES – CEO – Silicolife (Portugal)</p> <p>16:35: Feed, food and fuel – maximizing resource efficiency Paul HUDMAN – Technical Director – 3FBIO (United Kingdom)</p> <p>16:55: Fermentative synthesis of biosurfactants by pseudozyma species using renewable feedstock Susanne ZIBEK – Industrial Biotechnology Group Manager – Fraunhofer IGB (Germany)</p> <p>17:15: Industrial transformation process for biomass inspired nanomaterials Vesna ZEPIC BOGATAJ – PhD Senior Researcher – TECOS (Slovenia)</p>
<p>17:35 – 18:30 <b>Cocktail (Cheese &amp; Wine) by Eurodia</b></p>		
<p>19:30 – 22:30 <b>Networking Dinner by Prosim - <i>Reservation needed</i></b></p>		

# 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 C5-sugars from hemicellulose streams by membrane filtration and hydrothermal processes

Arne GRÖNGRÖFT – Group Leader of the Fuel & Separation Technologies – 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: Novel natural lipophilic dyes obtained by a green enzymatic process  
Lionel MUNIGLIA – Scientific Director - BIOLIE (France)

08:50: REALCAT: A "one-of-a-kind" advanced high-throughput technologies platform for biorefineries catalysts design

Sébastien PAUL – Full Professor - UCCS – Catalysis Unit & Solid Chemistry, Lille (France)

09:10: Biorizon takes bio-aromatics production to the next level

Paul KÖNST – Scientist Bio-based Chemistry – TNO (The Netherlands)

09:30: Modern alchemy: waste to value with IH technology

Dr Laszlo DOMOKOS – Global Account Manager, Business Opportunity Manager – Shell Global Solutions International BV (The Netherlands)

09:50 – 10:45

## Networking Break

10:45 – 12:15

## Novel fermentation technologies to valorize gaseous feedstocks

10:45: Challenges in scale-up of stirred, aerated fermenter

Klaus GEZORK – Senior Process Engineer – EKATO Group (Germany)

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

Hendrik WAEGEMAN- Head of Business Development - Bio Base Europe Pilot Plant (Belgium)

11:25: Challenges in delivery a demonstration-scale C1 gas fermentation process

Kris WADROP – Director of Industrial Biotechnology and Biorefining – CPI (United Kingdom)

11:45: Valorization of CO<sub>2</sub> – rich off-gases to biopolymers

Linsey GARCIA-GONZALEZ – Program Manager – VITO (Belgium)

## Novel physico-chemical processes

10:45: Extrusion process: A versatile and innovative tool for biorefinery

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

11:05: Decontamination of metal treated wood waste and its biorefining using ultra-cost ionic liquids (UCILs)

Florence GSCHWEND – COO – Chrysalix Technologies (United Kingdom)

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

Roberto DE MIGUEL – Engineered Systems Manager – De Dietrich Process Systems (France)

11:45: Novel industrial applications for microwaves assisted green chemistry

Eric DEJAIFFE – Commercial & Marketing Director – SAIREM (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: Innovation and process optimization based on an hypernated analytical smart tool, the role of HPTLC  
Pierre BERNARD-SABARY – President – Chromacim (France)

14:10: In vivo evolution joined to robotized fermentation: accelerate the strain adaptation and the process optimization  
Julien CESCUT – Manager of Biotransformation Platform – TWB (France)

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

## Modelisation and scale-up derisking

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: Using modeling tools to rationally compare modern chromatographic processes for saccharide purification  
Laurent DAVID – Process Engineer - Ypso-Facto (France)

14:30: Scaling the biobased chemistry, is decentralized production the future?  
Thomas LADRACK – Sales Manager - ZETON BV (The Netherlands)

15:00 – 16:30 Closing Plenary Session: Next generation of biorefinery

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

Industry of the future and digital technologies  
Philippe WATTEAU – Director of LIST – CEA Tech Institute (France)

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

Conclusions

**REGISTER NOW**

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