

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"> • DE DIETRICH Zinswiller's site • TEREOS Marckolsheim's site 	
	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"> • New frontier for synthetic biology 	Physico-chemical processes parallel session 1: <ul style="list-style-type: none"> • Novel lignocellulosic biomass pretreatment and fractionation
	15:35 – 16:15	Networking Break	
	16:15 – 17:35	Biotech processes parallel session 2: <ul style="list-style-type: none"> • Bioreactors and advanced fermentation processes 	Physico-chemical processes parallel session 2: <ul style="list-style-type: none"> • Extraction and valorization of non-cellulosic fractions of biomass
	17:35 – 18:30	Cocktail (Cheese & Wine) by Eurodia	
19:30 – 22:30	Networking Dinner by Prosim		
March 8	08:30 – 09:50	Biotech processes parallel session 3: <ul style="list-style-type: none"> • Novel downstream processes 	Physico-chemical processes parallel session 3: <ul style="list-style-type: none"> • Revisiting biobased production processes
	09:50 – 10:45	Networking Break	
	10:45 – 12:15	Biotech processes parallel session 4: <ul style="list-style-type: none"> • Novel fermentation technologies to valorize gaseous feedstock 	Physico-chemical processes parallel session 4: <ul style="list-style-type: none"> • Novel physico-chemical processes
	12:15 – 13:30	Networking Lunch	
	13:30 – 14:50	Biotech processes parallel session 5: <ul style="list-style-type: none"> • Innovative tools to optimize bio productions 	Physico-chemical processes parallel session 5: <ul style="list-style-type: none"> • Modelisation and scale-up derisking
	15:00 – 16:30	Closing Plenary: Next generation of biorefinery	

DRAFT PROGRAMME – March 6th



Tuesday March 6th - BBI & Bioeconomy's EU Project Information and Brokerage Event

09:30 – 10:15	Registrations and Welcome of participants
10:15 – 12:30	<p>Plenary Session: Analysis and opportunities of Public-Private Partnerships and other European initiatives</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 & 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 & 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>Innovation Tours: 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>

DRAFT PROGRAMME – March 7th

 Wednesday March 7th - BIOKET Conference

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 NICOUD – 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)

- Yvon LE HENAFF – General Manager – ARD (France)
 - Ena Chan CRATSENBURG – CBO - Ginkgo Bioworks (USA)
 - Michael O'DONOHUE – Research Director - IBISBA (France)
 - Gert-Jan GRUTER – CTO – Avantium (The Netherlands) (TBC)
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13:00 – 14:15 Networking Lunch

DRAFT PROGRAMME – March 7th

14:15 – 15:35	New frontier for synthetic biology 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: Building a platform to engineer biology Patrick BOYLE – Head of Design - Ginkgo Bioworks (USA) 15:15: From bits to molecules: protein design for the speciality chemical industry Alexandre ZANGHELLINI – CEO – Arzeda (USA)	Novel lignocellulosic biomass pretreatment and fractionation 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 – Clextral (France) 15:15: Pressurized hydrolysis μ 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	Networking Break	
16:15 – 17:35	Bioreactors and advanced fermentation processes 16:15: VTH Industrial revolution recycling CO ₂ 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 [®] 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)	Extraction and valorization of non-cellulosic fractions of biomass 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 : Superficial CO ₂ extraction: overview of industrial applications and forthcoming development Benoit LEGROS – Scientific and Technical Officer – IFS (France) 17 :15 : Combination of technologies to optimize extraction performance Robert MARSELLES – Project Leader – Celabor (Belgium)
17:35 – 18:30	Cocktail (Cheese & Wine) by Eurodia	
19:30 – 22:30	Networking Dinner by Prosim - <i>Reservation needed</i>	

DRAFT PROGRAMME – March 8th



Thursday March 8th - **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 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: Novel natural lipophilic dyes obtained by a green enzymatic process
Lionel MUNIGLIA – Scientific Director - BIOLIE (France)

08:50: Biorizon takes bio-aromatics production to the next level

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

09:10: Industrial transformation process for biomass inspired nanomaterials

Vesna ZEPIC BOGATAJ – PhD Senior Researcher – TECOS (Slovenia)

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

Speaker to be confirmed – CPI (United Kingdom)

11:45: From CO₂ to PHA

Heleen DE WEVER – Project 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

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 8th

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: Rational design of cell factories
Simão SOARES – CEO – Silicolife (Portugal)

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 LADRAK – 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)

Digitalization of Biorefineries

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

Conclusions

REGISTER NOW

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