

PROGRAMME OVERVIEW

March 10

10:00-12:00	Plenary Session: Moving from H2020 to Horizon Europe, what are the opportunities for the bioeconomy? (sponsored by University of Lille)		
12:00-14:00	Networking Lunch		
13:00-18:00	Innovation Tour: Lanolines Stella	Innovation Tour: Port of Dunkirk <i>Daudruy Van Cauwenberghe and BioTfuel by Total</i>	Innovation Tour: SAS Pivert
14:00-17:00	B2B meetings		
18:00- 20:00	Welcome reception		

March 11

8:30-10:00	B2B meetings / Start-Up Village's speech		
10:00-12:30	Plenary Session: Synthetic biology, a multi-stage rocket for the bioeconomy (sponsored by Genopole)		
12:30-14:00	Networking Lunch		
14:00-15:40	Parallel session: KETs for algae biorefinery	Parallel session: KETs for biomass pretreatment	Parallel session: KETs for lignin valorization
15:40-16:40	Networking Break		
16:40-18:30	Parallel session: KETs to enzymatic catalysis and processes associated with biotechnology	Parallel session: KETs for ecoextraction (sponsored by Tournaire)	Parallel session: Application of KETs
18:30-19:30	Cocktail (Cheese & Wine) sponsored by Eurodia		
20:30-22:30	Networking Dinner sponsored by PNO Consultants		

March 12

8:00-9:30	B2B meetings		
9:30-11:00	Plenary Session: Bring your innovations to market (sponsored by ARD)		
11:00-11:30	Networking Break		
11:30-13:00	Parallel session: KETs for process management / optimization / modelisation	Parallel session: KETs for DSP	Parallel session: KETs for wood biorefinery
13:00-14:00	Networking Lunch		
14:00-17:00	EU Project Workshop: IBISBA	EU Project Workshop: VALUEMAG	Workshop: 3BCAR

 Tuesday March 10th

09:30 – 10:00	Registrations and Welcome of participants			
10:15 – 12:30	<p><u>Plenary Session: Moving from H2020 to Horizon Europe, what are the opportunities for the bioeconomy?</u> Sponsored by University of Lille</p> <p>Welcome and opening words Christophe LUGUEL – IAR- The French Bioeconomy Cluster (France)</p> <p>Bioeconomy at the University of Lille Franck DUMEIGNIL – University of Lille (France)</p> <p>BBI Impact assessment: 5 years of PPP! Philippe MENGAL – Bio-Based Industries Joint Undertaking (Belgium)</p> <p>How to build a successful project Christophe LUGUEL – IAR- The French Bioeconomy Cluster (France)</p> <p>Success stories: Eelco BLUM – Avantium Yann RAOUL – OLEON Thomas LADRACK - Zeton</p> <p>The green deal challenges & opportunities for the bioeconomy? Philippe MENGAL – Bio-Based Industries Joint Undertaking (Belgium)</p> <p>The framework of Horizon Europe (changes with H2020) Hélène ULMER-TUFFIGO – Ministry of Higher Education, Research and Innovation Delegation to European and International Affairs (France)</p>			
12:00 – 14:00	Networking Lunch			
13:00 – 18:00	<p>Innovation Tours:</p> <table border="0"> <tr> <td>Lanolines Stella (Mouscron' site)</td> <td>Port of Dunkirk: Daudruy Van Cauwenberghe and BioTfuel by Total (Dunkirk's area)</td> <td>SAS Pivert (Compiègne' site)</td> </tr> </table> <p><i>The site visits are only accessible to BIOKET's participants with at least a 2 days pass. Registrations to attend the tour are mandatory and the final list of participants to the tour is subject to the approval of the hosting site.</i></p>	Lanolines Stella (Mouscron' site)	Port of Dunkirk: Daudruy Van Cauwenberghe and BioTfuel by Total (Dunkirk's area)	SAS Pivert (Compiègne' site)
Lanolines Stella (Mouscron' site)	Port of Dunkirk: Daudruy Van Cauwenberghe and BioTfuel by Total (Dunkirk's area)	SAS Pivert (Compiègne' site)		
14:00 – 17:00	B2B meetings sessions			
18:00-20:00	Welcome reception at Crédit Agricole Nord de France			



Wednesday March 11th

08:00 – 08:30	Registrations & Welcome of participants		
08:30-10:00	B2B meetings	Speech start-up	
10:00 – 12:30	<p>Plenary Session: Synthetic biology, a multi-stage rocket for the bioeconomy? <i>Sponsored by Genopole</i></p> <p>France's leading biocluster for biotechnologies and research in genomics and genetics TBD – Genopole (France)</p> <p>Synthetic biology: past, present and future! Dr Jean-Loup FAULON – Micalis Institute of INRA (France)</p> <p>Building an artificial chloroplast drop-by-drop Tarryn MILLER – Max Planck Institute (Germany)</p> <p>Updating the industry trends in synthetic biology Kevin MADDEN – Ginkgo Bioworks (USA)</p> <p>Round table: Is synthetic biology meeting the industry objectives</p> <ul style="list-style-type: none"> - Denis LUCQUIN – Sofinnova Partners (France) - Thierry AUDIBERT – Givaudan (France) - Kevin MADDEN – Ginkgo Bioworks (USA) - Neil PARRY – Unilever (United Kingdom) - Nicolas SEEBOTH – Michelin (France) - Anne JOUVENCEAU – Génopole (France) 		
12:30 – 14:00	Networking Lunch		
14:00 - 15:40	<p>KETs for algae biorefinery</p> <p>Comprehensive photobioreactor modeling: from isolated microalgae motion to population growth rate Victor POZZOBON – CentraleSupélec (France)</p> <p>Innovative photobioreactor integrating luminous fabric for high microalgae productivity at industrial scale. Lucie VAN HAVER – Capacité (France)</p> <p>TBA TBA – Biostream (The Netherlands)</p> <p>From CO₂ sequestration to biofuel production thanks to microalgae liquefaction Anne ROUBAUD – CEA LITEN (France)</p> <p>TBA TBA</p>	<p>KETs for biomass pretreatment</p> <p>Catalytic pyrolysis of biomass towards aromatics and subsequent conversion towards bioplastics Andre HEERES – University of Groningen (The Netherlands)</p> <p>TBA John ANDERSEN - Heriot Watt University (United Kingdom)</p> <p>TBA TBA - BIO-SEP (United Kingdom)</p> <p>Intensified continuous biomass treatment by twin screw extrusion Sylvie BRUNEL – CLEXTRAL (France)</p> <p>TBA TBA – Axens (France)</p>	<p>KETs for lignin valorization</p> <p>The value of stabilized lignin Florent HEROGUEL - Bloom (France)</p> <p>Role of lignin valorization in modern biorefineries Alexis MICHINE – Metgen (Finland)</p> <p>Joining forces to enable commercial production of functionalized biobased aromatics: lignovalue pilot & shared research centre Biorizon Karolien VANBROEKHOVEN – VITO (Belgium)</p> <p>TBA TBA</p> <p>TBA TBA</p>

15:40 – 16:40	Networking Break		
16:40 – 18:30	<p>KETs to enzymatic catalysis and processes associated with biotechnology</p> <p>PARAGEN 1.0: a bacteriocin gene library to control microbial communities Philippe GABANT – Syngulon (Belgium)</p> <p>Cellobioselipids and mannosylerythritolipids: process optimization for the production and purification of microbial biosurfactants Suzanne ZIBEK – Fraunhofer IGB (Germany)</p> <p>Artificial Intelligence: next phase in protein engineering Juan JIMENEZ – Protera Biosciences (USA)</p> <p>TBA TBA - Arzeda</p> <p>Implementation of an enzyme membrane reactor to intensify the enzymatic β-glycosylation of resveratrol Morad CHADNI – CEBB -URD ABI AgroParisTech (France)</p>	<p>KETs for ecoextraction (<i>sponsored by Tournaire</i>)</p> <p>Green extraction as economic, social and environmental concept for converting plant-based raw material to sustainable ingredients Farid CHEMAT - Green Extraction (France)</p> <p>The challenge of scaling-up microwave assisted technologies Marilena RADOIU - Microwave Technologies Consulting (France)</p> <p>TBA Alexander NOVITSKIY -Nova Extraction (United Kingdom)</p> <p>TBA TBD - Chrysalix</p> <p>Vegetable extraction using liquefied gas as solvent Alain VALLAGEAS – Celsius (France)</p>	<p>Application of KETs</p> <p>Product and raw material diversification in the starch, sugar and ethanol industry, synergies between production units Alessandro GUZZONE – Vogelbusch Biocommodities (Austria)</p> <p>Fermentative production of isobutene in demonstration scale Tino ELTER - Fraunhofer CBP (Germany)</p> <p>Microbubble Technologies Invented by Desai and Zimmerman Pratik DESAI – Perlemax (United Kingdom)</p> <p>Stabilisation of emulsions by vegetal coproducts Jérôme LENOTRE - Pivert (France)</p> <p>Synthesis of a new set of lipoamino acids from brewery spent's grains Benoit MOREAU – HEPH-Condorcet (Belgium)</p>
18:30 – 19:30	Cocktail (Cheese & Wine) sponsored by Eurodia		
20:30 – 22:30	Networking Dinner sponsored by PNO Consultants - <i>Reservation needed</i>		

 Thursday March 12th

08:00 – 09:30 B2B meetings

09:30 – 11:00 **Plenary Session: Bringing your innovations to market**
Sponsored by ARD

How to speed up time to market of innovation?

Jean-Christophe DUVAL – ARD (France)

Olivier ROLLAND – TWB (France)

Cyrille PAUTHENIER – Abolis (France)

How to finance the acceleration of start-up?

Jean-Christophe DUVAL – ARD (France)

Dr. Michael BRANDKAMP – ECBF (Germany)

11:00 – 11:30 **Networking break**

11:30 – 13:00 **KETs for process management, optimization, modelisation**
Heat transfer scale-up of batch reactors: still a challenge?
Philippe LEURENT – Prosim (France)

Gas fermentation laboratory design
Alex SMITH – CPI (United Kingdom)

Game-changing technologies for microbial shake flask cultures
Hendrik SCHMIDT - Aquila-Biolabs (Germany)

Track Advance, a modern digital platform enhancing the global performance of factories
Ludovic HENIN – Bocard (France)

KETs for DSP
Flottweg - Extractis : A win-win partnership to offer biotech players, highly qualified separation solutions
Jean-Sébastien BIZOT – Flottweg (France)
Olivier DUPUIS – Extractis (France)

Thin film technology - evaporation and drying
Jacqueline PANAROTTO - BUSS SMS Canzler (Switzerland)

Dry tribo-electrostatic protein enrichment of distillers grains
Thomas WOLAK – SteqTech (USA)

Modeling and simulation of ion-exchange in bioprocesses - illustrations from industrial biotech to biopharma
Hector OSUNA - Ypso-Facto (France)

KETs for wood biorefinery
The wonderful opportunity provided by biochemicals to displace fossil fuels
Ed WILSON – Nova Pangaea (United Kingdom)

Bio3 : A bio-refinery to valorize hardwood sugar without degrading cellulose, to produce bio-based ingredient for food and chemical industries
Marie CHAUVE - Eurodia (France)

Chemically modified microfibrillated cellulose: A new reinforcing additive for adhesive and thermoplastic resins
Alex BERG - University of conception (Chile)

Bio4Products: Unlocking the potential of biomass for a new range of bio-based products
Hans HEERES – BTG (The Netherlands)

13:00 – 14:00 **Networking Lunch**

DRAFT PROGRAMME – BIOKET 2020

14:00 – 17:00

European Project Workshop: IBISBA

IBISBA within the global context of biofoundries and accelerated end-to-end bioprocess development

Introduction

Dr Nic LINDLEY – Agency for Science, Technology and Research – A*Star (Singapore)

Primer on biofoundries

Dr Paul FREEMONT - Imperial College London (United Kingdom)

An industrial biofoundry

Dr Sunil CHANDRAN - Amyris (USA)

IBISBA: a pan-European infrastructure to support industrial biotechnology

Dr Michael O'DONNOHUE - INRA (France)

IBISBA: driving IBISBA's biofoundry operations using knowledge management and integration

Pr Merja PENTTILA - VTT (Finland)

IBISBA: scaling-up or making industrial sense of biofoundry operations in IBISBA

Dr Gerd UNKELBACH - Fraunhofer CBP (Germany)

Roundtable: biofoundries in the wider biotech innovation picture

Dr Paul FREEMONT – Imperial College London (United Kingdom)

Sunil CHANDRAN – Amyris (USA)

Olivier ROLLAND – TWB (France)

Gerd UNKELBACH – Fraunhofer CBP (Germany)

IBISBA representatives, Ginkgo

Conclusions

Dr Nic LINDLEY - Agency for Science, Technology and Research - A*Star (Singapore)

European Project Workshop: VALUEMAG

Blue bioeconomy – valuable products from algae using innovation

Welcome

TBA

EC Invited speaker

TBA

Valuemag: an overview

Dr Angelo FERRARO - National Technical University of Athens NTUA (Greece)

Bioeconomy ecosystem and Valuemag

TBA

Exploitation of Valuemag results

TBA

Invited speakers

TBA

Closing remarks

TBA

Workshop : Carnot 3BCAR

Ferulic acid: from research to market

Welcome and introduction by the Carnot 3BCAR network

TBA

Talks: Overview on phenolic acids properties, potential applications and promising trends, by scientific experts from INRAE, URD ABI...

TBA

Round table: Ferulic acid case study:

1) Market pull vs tech push?

2) European sourcing to fulfill domestic market demand?

With the participation of industry actors, in particular end users for different applications (Solvay Aroma Performance GBU, SEPPIC...).

Concluding remarks

TBA

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