

Programme overview

March

15th

10h00-12h30: Plenary KETs to unlock the potential of algae for a thriving European blue bioeconomy

13h00-18h00: Innovation Tours

Stella

Pivert

Lesaffre

14h00-17h00: Pre-scheduled B2B meetings

14h00-18h00: The Circular Bio-based Europe Joint Undertaking (CBE JU) to fund projects advancing competitive circular bio-based industries in Europe
Start-up pitches sessions

March

16th

08h30-09h50: Pre-scheduled B2B meetings

10h00-12h30: Plenary Digital Biofoundries, a game changer for the Industry (sponsored by Genopole)

14h00-18h30: Pre-scheduled B2B meetings

14h00-15h45: Breakout sessions

KETs for ecoextraction & ecosynthesis processes

KETs to produce High Added Value Molecules

The scaling up journey of KETs

16h30-18h15: Breakout sessions

KETs for a Circular Bioeconomy

KETs for purification processes

The Biotech KETs

18h30-19h30: "Cheese & Wine" Cocktail (sponsored by Eurodia)

20h00-23h00: Networking dinner

March

17th

08h30-09h30: Pre-scheduled B2B meetings

09h30-11h00: Plenary KETs and strategies to reduce the fossil fuel dependence of the aviation and its connected professions (sponsored by Leaf)

11h30-13h00: Pre-scheduled B2B meetings

11h30-13h00: Breakout sessions

Biomass balance approach: Renewable resources for high performance and low carbon emissions

KETs to produce bioenergy

The Biocatalysis KETs

14h00-17h00: Workshops

- Physico-chemical pre-treatments of biomass: State of play and applications (sponsored by Carnot 3BCAR)

- Making order out of chaos: How synthetic biology is leading the way in the Carbon Revolution (sponsored by LanzaTech)

- Lignocellulosic sustainable biorefining processes and technologies for high value-added products (sponsored by IDE Trois-Rivières)

March 15th

9h15 - 10h00: Opening of the registration desk

10h00-12h30: Plenary KETs to unlock the potential of algae for a thriving European Blue Bioeconomy

Chaired by Jean-Paul CADORET - EABA/Algama

- State of the art of KET to cultivation and processing of microalgae
Prof. Dr. Maria BARBOSA - AlgaeParc / Wageningen University and Research (WUR)
- Technologies to develop Microalgae based new functionalities for Health applications
Olivier LEPINE - Algosource
- Microphyt SCALE - first of its kind industrial platform towards sustainable microalgae-based solutions
Vincent USACHE- Microphyt
- CO2 to alternative proteins and oils through Hybrid Vertical Microalgae Farming
Diego GRUMBACH - Solmeyer

12h30 - 14h00: Networking lunch

13h00-18h00: Innovation Tours

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14h00-17h00: Pre-scheduled B2B meetings

14h00 - 14h45: Start-up pitches - sessions 1

14h45-17h15: The Circular Bio-based Europe Joint Undertaking (CBE JU) to fund projects advancing competitive circular bio-based industries in Europe

- The Circular Bio-based Europe Joint Undertaking (CBE JU)
Philippe MENGAL - CBE JU
- Funding your project in France
Christophe LUGUEL - B4C - Bioeconomy For Change
- Microphyt example
Vincent USACHE- Microphyt
- Fibenol example
Karl PEEBO - Fibenol
- What Makes a Great (Biorefinery) Technology?
Matti HEIKKILA - Metgen

17h15 - 18h00: Start-up pitches - session 2

18h00 - 19h30: Welcome reception

March 16th

08h30-09h50: Pre-scheduled B2B meetings

10h-12h30: Plenary Digital Biofoundries, a game changer for the Industry (sponsored by Genopole)

Chaired by Fiona MISCHEL - Synbiobeta

- Genopole Innovative in Industrial Biotechnology Sponsor of the Plenary session
Christophe LANNEAU - Genopole
- Presentation of synthetic biology: review of the last news, trends, evolution and innovation on Synthetic Biology
Fiona MISCHEL - Synbiobeta
- Smart modelling platform for digital biofoundries: Fail fast to succeed earlier
Rémi PEYRAUD - iMEAN
- Panel discussion
 - *Christophe LANNEAU - Genopole*
 - *Sean SIMPSON - LanzaTech*
 - *François BERTAUX - Lesaffre*
 - *Rémi PEYRAUD - iMEAN*
- Bioket 2023 announcements

12h30 - 14h00: Networking Lunch

14h00-18h30: Pre-scheduled B2B meetings

March 16th

14h00-15h45: Breakout sessions

KETs for ecoextraction & ecosynthesis processes

Chaired by Florent ALLAIS - URD ABI

EcoXtract®: an Innovative, Efficient and Biobased Technology for the Extraction of Edible Oils, Plant-Based Proteins and Natural Ingredients

Gabriel DUFOUR - EcoXtract

Ultrasonic Biorefining: A low energy, efficient process to separate fibrous biomass into high-value biochemicals

Miranda LINDSAY-FLYNN - Bio-Sep

Development of high value products based on phycocyanin co-product extraction from Spirulina within SPIRALG project

Maud BENOIT-LE-GELEBART - Algaia

Is water moisture a poison or a solution to improve supercritical CO₂ extraction of spent coffee grounds

Alexandre VANDEPONSEELE - Université Savoie Mont Blanc

Case Studies of Electrosynthesis and Electrodialysis processes in Product/Process development of Biobased Products

Irene ERDELMEIER - Innoverda

KETs to produce High Added Value Molecules

Chaired by Fabien DESWARTE - L'oréal

Shrubby everlasting cells: how to bring eco-innovation into skin moisturizing challenges

Rémi LAVILLE - SEPPIC

Sustainable Fragrances & Flavours: should we stick to traditional production methods?

Dmitry BACHIN - EV Biotech

Beads Impact Continuous Heated Mechanochemical Reactor for Greener Chemical Routes

Remy NGUYEN - Deasyl

Environmental benign production of ingredients of industrial relevance

Dr. Lucie PFALTZGRAFF - GreenTech Innovation Center, Luxembourg Institute of Science and Technology (LIST)

CSBR, Cashew shell bio refineries

Pierluigi FERRI - Elmira Industrial Supplies

The scaling up journey of KETs

Chaired by Luuk VAN DER WIELEN - Bernal Institute

Scaling up the Electrochemical production of biobased chemicals

Frederik DE BRUYN - VITO

Reinforcement Learning in new bioprocess design

Albert MESTRE - INTEMIC

Modeling of a krill oil extraction factory: from laboratory results to cost price prediction using an innovative methodology

Yohann LE GUENNEC - Ypso-Facto

Scaling up additive manufacturing of Cellulose-based materials in electrical insulation, automotive and shipbuilding industries

Heli KANGAS - VTT

Seaweed biomass cultivation: from napkin sketch to mechanized harvesting

Gediminas TAMOSAITIS - Metal Production

15h45 - 16h30: Networking break

March 16th

16h30-18h15: Breakout sessions

KETs for a Circular Bioeconomy

Chaired by: Ludo DIELS - Antwerp University

Valuable protein recovery from animal processing by-products of rendering plants for different industrial applications

Mayra LACRUZ - INESCOP

Biorizon bio-aromatics – Platform established, time for impact

Paul KONST - TNO

WASTE2FUNC: Lactic acid and biosurfactants sourced from sustainable agricultural and industrial (food) WASTE feedstocks as novel FUNCTIONal ingredients for consumer products

Sofie LODENS - Bio Base Europe Pilot Plant

Metha-HYn Project, development of integrated technologies at the service of circular bioeconomy

Marine JUGE - ENGIE

Low temperature pre-treatment - opportunities for biogas production from biowaste and combined production of cellulose and lignin

Friedrich STREFFER - Streffer Vv GmbH

KETs for purification processes

Chaired by: Maria BARBOSA - AlgaeParc / Wageningen University & Research

Separation of Caproic and Caprylic Acid from a Maize Silage-Based Fermentation Broth

Arne GRONGROFT - DBFZ

Latest Developments in Production Scale Centrifugal Partition Chromatography : Instrumentation and Applications for The Purification of Bioactive Ingredients

Grégoire AUDO - Gilson Purification

Use of pervaporation membranes in separation of aqueous fermentation broths

Mark GRONNOW - BDC - Biorenewables Development Centre

How process modeling can enhance process design: chromatography development for biomass products

Quentin SANLAVILLE - Novasep

Sustainable water management in biobased downstream processing

Hank VLEEMING - Process Design Center (PDC)

The Biotech KETs

Chaired by: Olivier Rolland - TWB

Improving heterologous protein production in yeast with automated massively parallel CRISPR genome editing

Laura KLITTEN - Inscripta Inc

Novel reactor prototype for pressurized gas fermentations

Heleen DE WEVER - VITO

Enabling fast, clean, and affordable production of natural bioproducts through bioreactor innovations

Kirsten STEINBUSCH - Delft Advanced Biofuels

Artificial promoters: Creating new genetic vocabulary for synthetic biology

Sylvain JULIEN - e-ZYVEC

Accelerating scientific products claims through multi-causal in silico data analysis.

Lucie FRIEDLANDER - Eagle Genomics

Fabian GRANDKE - Eagle Genomics

18h30-19h30: "Cheese & Wine" Cocktail (sponsored by Eurodia)

20h00-23h00: Networking dinner

March 17th

8h30 - 9h30: Pre-scheduled B2B meetings

9h30 - 11h00: Plenary KETs and strategies to reduce the fossil fuel dependence of the aviation and its connected professions (sponsored by Leaf)

Chaired by Xavier TYTELMAN - Aviation NXT

Challenges and Perspectives of Industrial Fermentation: from Idea to Industry

Marcelo AMARAL - Leaf by Lesaffre

How to build a sustainable aviation ? Target and levers in the energy field

Xavier TYTELMAN - Aviation NXT

Panel discussion:

- Marcelo AMARAL - Leaf
- Damien GAUDIN - Air France
- Géraldine PIC PARIS - Neste
- Sjoerd RAIJMANS - SkyNRG
- Stéphane THION - Total Energies

11h00 - 11h30: Networking break

11h30 - 13h00: Pre-scheduled B2B meetings

March 17th

11h30-13h00: Breakout sessions

Biomass balance approach: Renewable resources for high performance and low carbon emissions

Chaired by Astrid PALMIERI - BASF Italia

Ways towards a sustainable bio-economy

Daniela THRÄN - Helmholtz Centre for Environmental Research GmbH (UFZ)

The mass balance methodology: an effective and sustainable way of using alternative feedstocks in production systems

Adisa AZAPAGIC - The University of Manchester

Biomass balance and sustainable development at BASF

Thomas MAIREY - BASF France

Jallatte "J'Respect" shoes range, the first safety shoe 100% made of Biomass Balance-certified Isocyanate-terminated Polyurethane (ITPU)

Stéphanie CADENE - Jallatte

KETs to produce bioenergy

Chaired by Markus WOLPERDINGER - Fraunhofer IGB

Maintaining production yield in bioethanol production

Dominik STEINBERGER - PALL Corporation

Enabling circularity and sustainability

Joris SPAAN - Yilkins

A new way of doing chemistry by combination of cold plasma and catalysis

Vincent SIMONNEAU - Energo

HPTLC a valuable analytical partner for valuable results at various step of your bioenergetic project.

Pierre-BERNARD SAVARY - Chromacim

Turning waste and CO₂ into methane through biological methanation

Vincent GUERRÉ - Enosis

The biocatalysis KETs

Chaired by Audrey Robic - Codexis

New biomanufacturing processes using the power of enzyme-based catalysts

Jordi LOPEZ - EnginZyme AB

Unlock new biocatalysis - The unspecific peroxygenase enzyme panel

Dr. Hannah BRAß - Aminoverse

Integrate flow cytometry analyses in bioprocesses to improve the performance of microbial biocatalysts

Delphine LESTRADE - TWB

Harnessing Komagataella phaffii for recombinant protein production

Claudia RINNOFNER - myBIOS

13h00 - 14h00: Networking Lunch

March 17th

14h00 - 17h00: Workshops :

Physico-chemical pre-treatments of biomass: State of play and applications *Sponsored by Carnot 3BCAR*

Research advances

Physico-chemical pre-treatments of biomass state-of-the-art,

Diana García-Bernet - Laboratoire de Biotechnologie de l'Environnement, INRAE

Twin screw extrusion a suitable technology for biomass deconstruction. Application example: New Pretreatment for second generation biofuel plants

Virginie Vandenbossche, Toulouse-INP, Laboratoire de Chimie Agro-Industrielle, LCA, Université de Toulouse, INRAE

Pre-treatment of beech wood using choline chloride-based deep eutectic solvents

Pierre-Alann CABLE - Laboratoire Réactions et Génie des Procédés, Université de Lorraine

Industrial uses of physico-chemical pre-treatments of biomass

Dry Vapocracking Treatment of lignocellulosic biomass: a new industrial process for biomass pretreatment

Frédéric Martel (Européenne de Biomasse)

Microwave technologies consulting

Marilena Radoiu - Microwave Technologies Consulting

Physico-chemical pretreatment of lignin to produce bio-aromatic fractions for industrial application: from lab to pilot

Roel Vleeschouwer - VITO

Twin-screw extrusion and drying technologies for industry

Lionel Danos - Clextral

Creating Value from Waste. Capturing Carbon from Industrial Emissions to produce Sustainable Fuels & Chemicals

Sponsored by LanzaTech

Introduction to LanzaTech technology

Sean Simpson - LanzaTech

The Renewable Carbon Initiative (RCI) Speeding up the transition from fossil carbon to renewable carbon for all organic chemicals and materials

Michal Carus - Nova Institute

From Concept to Commercialization; scaling up LanzaTech technology in the Steel Industry

Wim Van der Stricht - ArcelorMittal

From Technology to Market with CarbonSmart Plastics

Cedric Dever - L'Oreal

Patrick Pinenq - TotalEnergies

Babette Pettersen - LanzaTech

From Waste Wood to Advanced Biofuels with Gasification and Gas Fermentation

Vincent Calleja - TH2

Florent Bourgarel - GazoTech

Industrial off-gases for Chemical Production

Michael-Helmut Kopf - Senior Research Manager at

BASF

Lignocellulosic sustainable biorefining processes and technologies for high value-added products

Sponsored by IDE Trois-Rivières

Introduction of the workshop

Nicolas Sepage - Sr. Trade Commissioner, Embassy of Canada in France

The Canadian Bio Economy leadership

Jeff Passmore, Founder, Scaling Up, CEO, Passmore Group Inc. (presentation via videoconference)

From the root to the top of the tree, Maximizing the use of the forest resource in Quebec-Canada

Jean-Philippe Jacques - General manager at Innofibre

- Quebec strategy for the biosourced economy and the positioning of the Mauricie region
- Presentation of Innofibre's new Biobased Products HUB
- New concept in recyclable and compostable packaging
- The paper mill of the future - integrated biorefinery project

Overview of the Canadian biobased industry and presentation of bioindustry clusters with emphasis on Bioindustrial Innovation Canada (BIC)

A.J. (Sandy) Marshall, Executive Director, BIC (presentation via videoconference)

A major biorefinery project illustrating Quebec attractiveness for international investors: BELT project –

Patrice Bergeron, CEO of Bioenergie La Tuque, Quebec (presentation via videoconference)

Gaspésie CleanTech Hub with their project of reducing the footprint of the major Canadian Cement Plant

Simon Barnabé, Ph. D.

Biohydrogen in Quebec: a way to massive hydrogen production from mixed biomass –

Patrice Mangin, VP Innovation & Development, H2 V Energies and Professor Emeritus, Université du Québec à Trois-Rivières (UQTR)

Norcan, Canada's largest independent importer and wholesaler of petroleum products: A responsible management and an innovation plan unique in Canada

Ryan Dermody, President of Norcan (presentation via videoconference)