

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*

14h00-17h00: Pre-scheduled B2B meetings

14h00-15h45: The Circular Bio-based Europe Joint Undertaking (CBE JU) to fund projects advancing competitive circular bio-based industries in Europe

16h00-17h30: Start-up Pitches

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 (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)
- Title to be confirmed
Olivier LEPINE - Algosource
- Title to be confirmed
- TBD - Microphyt

12h30 - 14h00: Networking lunch

13h00-18h00: Innovation Tours

Stella | Pivert

14h00-17h00: Pre-scheduled B2B meetings

14h00-15h45: The Circular Bio-based Europe Joint Undertaking (CBE JU) to fund projects advancing competitive circular bio-based industries in Europe

Chaired by Christophe LUGUEL - IAR, the French Bioeconomy Cluster

- Identification and evaluation of Key Enabling Technologies as drivers in transition processes: The case of the bioeconomy's technological landscape
Anna WABENHOVEN, University of Bonn, Institute for Food and Resource Economics
- The Circular Bio-based Europe Joint Undertaking (CBE JU)
Philippe MENGAL - CBE JU

16h00-17h30: Start-up Pitches

18h30 - 19h30: Welcome reception

March 16th

08h30-09h50: Pre-scheduled B2B meetings

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

Panel discussion

- *Christophe LANNEAU - Genopole*
- *Sean SIMPSON - LanzaTech*
- *Massimo MERIGHI - Lesaffre*

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 Lannilis

KETs to produce High Added Value Molecules

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

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

Irene ERDELMEIER - Innoverda

Environmental benign production of ingredients of industrial relevance

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

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

KETs for purification processes

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

Modular cell factories for the production of 100 compounds from the shikimate pathway

Simaro SOARES - Silicolife

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

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

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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 - Starburst

Panel discussion:

- Marcelo AMARAL - Leaf
- Damien GAUDIN - AirFrance
- Sjoerd RAIJMANS - SkyNRG
- Stéphane THION - Total Energies

11h00 - 11h30: Networking break

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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)

Jean-Marie CALAME - 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

Rob VONCKEN - Yilinks

The biocatalysis KETs

Chaired by Audrey ROBIC - Codexis

New biomanufacturing processes using the power of enzyme-based catalysts

Jordi LOPEZ - EnginZyme AB

In silico engineering of oxidative enzymes applied to lignin revalorization processes

Lur ALONSO COTCHICO - Zymvol Biomodeling

Unlock new biocatalysis - The unspecific peroxygenase enzyme panel

Dr. Hannah Braß - Aminoverse

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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