

# BIOKET

The global conference dedicated to  
PROCESSES AND TECHNOLOGIES  
APPLIED TO BIOMASS

## SHOWGUIDE 2024

MARCH 19-20-21, 2024  
REIMS, FRANCE



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### Our solutions for bioeconomy

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Biomass management

Biobased products

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Transformation



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### Find all our skills to support you in your R&D projects



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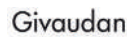
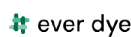
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Chemistry

Industrial productions  
Large volume CO<sub>2</sub>



- Green Chemistry  
- Energy  
- Feed,  
Fertilizer...



SYKLEA bio panels converters

Alium® NW Technology



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# EDITO

## BIOKET 2024: Charting a Sustainable Future in Biorefinery

BIOKET 2024 has become a pivotal conference in the biorefinery industry. It stands as a symbol of innovation, collaboration, and a sustainable future. This gathering in the historic and sustainability-focused city of Reims represents a significant step towards a circular bioeconomy, addressing global challenges like climate change and resource scarcity.

The conference will spotlight groundbreaking research and technologies in biorefinery, covering everything from biomass conversion to circular economy strategies. It's not just about showcasing innovations; BIOKET is a hub for fostering collaboration among academics, industry professionals, and government bodies. This collaborative spirit is essential for harnessing the full potential of biorefinery technologies.

At BIOKET, diversity in perspectives is highly valued, recognizing that complex global issues demand a multifaceted approach. Attendees from various backgrounds are encouraged to bring their unique insights and experiences to the table.

As we convene at BIOKET 2024, we're reminded of the transformative role of biorefineries in creating a sustainable, prosperous future. It's an opportunity to turn visionary ideas into tangible solutions that drive economic growth, environmental protection, and enhance quality of life.

Join us at BIOKET 2024 to be a part of this biorefinery revolution, shaping a brighter and more sustainable future for all.

We look forward to seeing you at the heart of biorefinery innovation at BIOKET 2024!

Boris DUMANGE  
General Manager





## The Global conference dedicated to Processes and Technologies Applied to Biomass

Key Enabling Technologies (KETs) catalyze innovation in the circular bioeconomy, fostering industry-wide convergence and integration. Essential for Europe's leadership and vital for sectors like food, bioenergy, and biomaterials, KETs are pivotal in enhancing health, safety.

Their successful implementation offers a transformative approach to mitigating climate change.

The BIOKET conference is a key event for advancing KETs in the bioeconomy, providing a unique forum for stakeholders to collaborate and explore innovative biomass conversion technologies. This gathering is instrumental in driving the transition to high-value, sustainable products.

[www.bioket.eu](http://www.bioket.eu) | [info@bioket.eu](mailto:info@bioket.eu)

### Follow us



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BIOKET Bioeconomy Key Enabling Technologies platform







**BIOECONOMY  
FOR CHANGE**

NETWORK & EXPERTISE



**CLIMATE**



**CITIZENS**



**COMPETITIVENESS**



**CONNECTION**

**FIND US ON STAND 4**



# CHANGE WITHOUT REINVENTING THE WHEEL

Conscious of the huge challenges ahead, we believe in new ways of producing, eating, getting about, building and taking care of our health.

We believe in the latest practices that promote the bioeconomy and fuel its development across every market and sector supported by a circular model.

Because we believe in a much better future, we also believe the bioeconomy is there to support this change...  
**AND THAT CAN CHANGE EVERYTHING.**

## PROMOTE YOUR ACTIONS

Representation, regulatory analysis and legislation...  
all the keys to defend our best practices.

## GROW YOUR NETWORK

Events, networking, directories...  
all the opportunities to find the right partners.

## AN ECOSYSTEM DESIGNED FOR COLLECTIVE ACTION

## INFORM YOUR DECISIONS

Strategic advice, market and opportunity studies, intelligence platforms...  
all our analysis to guide your decisions.

## BRING YOUR INNOVATIONS TO LIFE

Support and expertise...  
all our advice to propel and finance your projects.

## WELCOME TO B4C

Bioeconomy For Change is the reference network for the bioeconomy in France, Europe and internationally. Our team of 40 specialists serve more than 500 members, from upstream agricultural activities through to the commercialisation of finished products. Be part of the change. **Join us.**

## THE NETWORK IN FIGURES

**+500**  
MEMBERS

**+400**  
PROJECTS  
FUNDED

**€ 3,5**  
BILLION  
INVESTMENT

**+50**  
EVENTS / YEAR

**+50**  
EUROPEAN PROJECTS  
(16 BBI, 5 FLAGSHIPS)

# 2024 ADVISORY BOARD



## **Florent ALLAIS**

Director - *URD ABI*

Florent ALLAIS, director of URD ABI and President of the CEBB, investigates the combined use of biotechnologies, green chemistry and downstream processing for the development of sustainable processes and high value-added products from biomass.



## **Goizeder BARBERENA IBAÑEZ**

Biomass Strategy & BD Manager - *CENER*

Goizeder Barberena is at the moment implementing and developing growth opportunities in biomass and bio-based products sector within Biomass Area of CENER and its BIO2C Biorefinery as Product Manager.



## **Selma BARBOSA JACONIS**

New Business Manager - *Suzano*

Selma Barbosa Jaconis is a chemical engineer, PhD (Federal University of Rio de Janeiro), MSc (Federal University of São Paulo). Polymers Science Specialist having worked for over 30 years in Petrochemical and Chemical companies.



## **Ludo DIEIS**

Senior Advisor - *VITO*

He is Dr. in chemistry & biotechnology, professor emeritus at Antwerp University, scientific advisor sustainable chemistry at VITO, in the Advisory & Program Group of Processes4Planet and the chair of the advisory group of the shared research center Biorizon.



## **Nei DOMINGUES**

Platform Leader - *Biomass to Chemicals - BRASKEM*

Dr. Nei Domingues, Head of Biomass to Chemicals at BRASKEM, holds a PHD in Materials Science, and has 25+ years of experience in the chemical industry.



## **Sandra HOFFMANN**

VP Innovation & Product Dev. *BioSolutions - ADM*

Polymer scientist, Sandra Hofmann, with 23 years in Business R&I for companies like Dow, Hempel, and Trinseo, now VP for Innovation at ADM's BioSolutions, is driving biobased material solutions for a fossil-free future.





**Alois KINDLER**

Research Fellow bei - *BASF*

Dr. Alois Kindler studied organic chemistry. Focusing on acetylene chemistry he worked in the development of new processes for intermediates and vitamins. He's now scientific expert at BASF basic chemicals research, focused on renewables based raw materials for BASF value added chains.



**Michel KREL**

Partner - *SOFINNOVA PARTNERS*

Michael, partner at Sofinnova Partners, invests in early-stage deals in Europe & North America, focusing on chemicals, materials, agriculture, food, feed, and synthetic biology.



**Cristina MARQUES**

Vice-president - *Innovation Programs - CRIBIQ*

She works in the Quebec innovation ecosystem. She joined the CRIBIQ team as Director of Innovation to promote and support the realization of innovative projects in the bioeconomy. In 2022, she was appointed Vice President - Innovation Programs of CRIBIQ.



**Filippo Giancarlo MARTINELLI**

CEO - *MAGFI CONSULTING*

Filippo G. Martinelli (MBA, EngD, MSc) is Director and Owner of Magfi «sustainability in action». He focuses in supporting biotech, foodtech and cleantech businesses identifying and securing new clients, public grants and private investments.



**Alex MICHINE**

Managing Director - *METGEN*

He is Professional Manager and Board Member of Life Science companies. He is consultant in strategic development issues. He is working as Managing Director of MetGen.



**Kevin O'CONNOR**

Director - *BIORBIC SFI*

Prof. Kevin O Connor is director of BiOrbic SFI bioeconomy research centre, headquartered at University College Dublin. His research interests are sustainable production & consumption, integrated biorefining, biobased chemicals & biodegradable polymers, biocatalysis & protein engineering.



### **Achim RASCHKA**

Head of Technology Department - *NOVA INSTITUTE - BIO*

Dipl. Biol. Achim Raschka is head of the technology & markets department at nova-Institute, Germany. He focus on alternative carbon sources and conversion technologies especially in biotechnology, green chemistry and CCU technologies.



### **Meaghan SEAGRAVE**

Executive Director - *BIOINDUSTRIAL INNOVATION CANADA*

Meaghan Seagrave provides leadership to Canada's only green chemistry accelerator – Bioindustrial Innovation Canada. She is a nationally recognized bioeconomy leader who spearheads bio-based opportunities across Canada.



### **Luuk VAN DER WIELEN**

Director - *BERNAL INSTITUTE*

Luuk van der Wielen is Director of the Bernal Institute and Professor for Biosystems Engineering and Design at the University of Limerick, Ireland, and Distinguished Professor in Biobased Economy at TU Delft's Dept. of Biotechnology.



### **Markus WOLPERDINGER**

Director - *Fraunhofer IGB*

Markus WOLPERDINGER is Director of the Fraunhofer IGB. He has 25+ years of experience in various management positions in industry. His scientific focus is on bioeconomy, environmental, sustainable and circular solutions and their translation into industrial applications.

## **B4C PROGRAMMING COMMITTEE**

**Johan De Coninck** – Head of BIOKET

**Renata Abreu** – Sponsorship & Exhibition

**Hadiqa Javaid** – Programming

# €213 million available for advancing Europe's circular bio-based economy



CBE JU will open a call covering **18 topics** for submission of project proposals. The deadline to submit proposals is 18 September.

Additionally, register free of charge on the CBE JU networking platform and start networking online.

Read more about funding opportunities:  
[europa.eu/!bdBYPF](https://europa.eu/!bdBYPF)



Register for the info day:  
[europa.eu/!RH8VvG](https://europa.eu/!RH8VvG)



**CBE JU Info Day 2024**  
23 April  
Brussels & online  
Many networking opportunities





## PROGRAM AT A GLANCE

# MARCH 19

<b>8:30 AM - 9:45 AM</b> B2B Meetings	
<b>10:00 AM - 10:30 AM</b> OPENING CEREMONY	
<b>10:30 AM - 12:30 AM</b> Keynote session 1 - Navigating the Intersection: Scaling-Up and Financing Bioeconomy Technologies	
<b>12:30 PM - 2:00 PM</b> Lunch Break	
<b>2:00 PM - 3:45 PM</b> B2B Meetings <b>&amp; 4:05 PM - 6:05 PM</b>	
<b>1:50 PM - 3:05 PM</b> Start-up pitch session 1	<b>2:00 PM - 3:35 PM</b> Workshop 1 - Best practices in scaling up
<b>3:05 PM - 3:20 PM</b> Break	<b>2:00 PM - 3:35 PM</b> Workshop 2 - CBE JU: advancing competitive circular bio-based industries in Europe
<b>3:20 PM - 4:15 PM</b> Start-up pitch session 2	<b>3:35 PM - 4:05 PM</b> Break
<b>4:15 PM - 4:30 PM</b> Break	<b>4:05 PM - 5:40 PM</b> Workshop 3 - Scale-up biomass valorization & biorefineries in the European context
<b>4:30 PM - 5:30 PM</b> Start-up pitch session 3	<b>4:05 PM - 5:40 PM</b> Workshop 4 - Promotion économique de Fribourg
<b>6:00 PM - 7:30 PM</b> Welcome reception	

## PROGRAM AT A GLANCE

# MARCH 20

<b>8:30 AM - 10:00 AM</b>	B2B meetings
<b>10:00 AM - 12:30 PM</b>	Keynote session 2 - Innovation in Renewable Carbon-based Building Blocks : Biomass and CO2 Conversion
<b>12:30 PM - 2:00 PM</b>	Lunch Break
<b>2:00 PM - 3:45 PM</b> <b>&amp; 4:05 PM - 6:05 PM</b>	B2B Meetings
<b>2:00 PM - 3:35 PM</b>	Parallel Session 1 - KETs transforming Bioprocess Design & Optimization Excellence
<b>2:00 PM - 3:35 PM</b>	Parallel Session 2 - KETs unveiling innovations in purification
<b>2:00 PM - 3:35 PM</b>	Parallel Session 3-KETs Revolutionizing Nutraceutical Ingredients Production for Food & Feed
<b>3:35 PM - 4:05 PM</b>	Break
<b>4:05 PM - 5:40 PM</b>	Parallel Session 4 - KETs Leveraging Innovations in Microalgae production
<b>4:05 PM - 5:40 PM</b>	Parallel Session 5 - KETs leading the way to Sustainable Polymers & Biobased Materials
<b>4:05 PM - 5:40 PM</b>	Parallel Session 6 - KETs Pioneering Cosmetics and Healthcare Ingredients Production
<b>6:00 PM - 7:30 PM</b>	Cheese & Wine Cocktail
<b>8:00 PM - 10:30 PM</b>	Gala dinner

## PROGRAM AT A GLANCE

# MARCH 21

**8:30 AM - 10:30 AM**

B2B Meetings

**9:00 AM - 10:30 PM**

Parallel Session 7 - KETs in LCA: Sustainable Bioprocessing Innovations

**9:00 AM - 10:30 PM**

Parallel Session 8 - KETs advancing Sustainable Innovations in Bioenergies and biobased chemicals

**9:00 AM - 10:30 PM**

Parallel Session 9 - KETs in the Circular Bioeconomy: Zero-Waste Biorefineries

**10:30 AM - 11:00 AM**

BREAK

**11:00 AM - 1:00 PM**

Keynote Session 3 - Revolutionizing Markets through Precision Fermentation

**1:00 PM - 2:00 PM**

Lunch break

**1:30 PM - 5:30 PM**

Site Visit 1 - Pomacle Biorefineries and CDMO ARD

**1:30 PM - 5:30 PM**

Site Visit 2 - Givaudan White Biotechnology Center

**1:15 PM - 5:30 PM**

Site Visit 3 - FRD-Codem technical center

**1:30 PM - 5:30 PM**

Site Visit 4 - University of Reims Champagne-Ardenne

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## YOUR DETAILED PROGRAM

# MARCH 19

**8:30 AM - 10:00 AM**

*Grande Nef - B2B  
space*

B2B meetings

**10:00 AM - 10:30 AM**

*Salle "Clovis"*

OPENING CEREMONY

**10:30 AM - 12:30 PM**

*Salle "Clovis"*

**Plenary 1: Navigating the Intersection: ScalingUp and Financing Bioeconomy Technologies**

*sponsored by ARD*

Chaired by Nicolás Giacomuzzi-Moore – **CBE-JU**

*Sponsor Words*

- Guillaume Lamy - **ARD**

*Keynote speakers*

- Nelson Barton – **Geno**
- Sylvie Lemoine – **CEFIC**

*Round Table*

- Guillaume Lamy – **ARD**
- Michael Brandkamp – **ECBF**
- Christian Patermann – **Former Director EU Commission and Advisor to the German Government on bio-economy matters**
- Hendrik Waegeman – **BBEUPP**

**12:30 PM - 2:00 PM**

Lunch break

**2:00 PM - 3:35 PM**

*Grande Nef - B2B  
space*

B2B meetings

**1:50 PM - 3:05 PM**

*Salle 5*

**Startup Pitch Session 1**  
*Powered by Quest for  
Change  
see program on page 33*

**2:00 PM - 3:35 PM**

*Salle 4*

**Workshop 1 : Best practices in scaling up |**  
*Organized by Fraunhofer IGB  
see detailed program on page 33*

<p><b>3:05 PM - 3:20 PM</b> Break</p>	<p><b>2:00 PM - 3:35 PM</b> <i>Salle 1</i></p> <p><b>Workshop 2 : CBE-JU : Advancing competitive circular bio-based industries in Europe   Powered by CBE-JU see detailed program on page 34</b></p>
<p><b>4:05 PM - 5:40 PM</b> <i>Salle 5</i></p> <p><b>Startup Pitch Session 2</b> <i>Powered by Quest for Change see program on page 35</i></p>	<p><b>3:35 PM - 4:05 PM</b> <i>Grande Nef</i></p> <p>Break</p>
<p><b>4:15 PM - 4:30 PM</b> Break</p>	<p><b>4:05 PM - 5:40 PM</b> <i>Salle 4</i></p> <p><b>Workshop 3 : Scale-up biomass valorization &amp; biofineries in the European Context   Powered by De Smet Engineers &amp; Contractors see detailed program on page 36</b></p>
<p><b>4:30 PM - 5:30 PM</b> <i>Salle 5</i></p> <p><b>Start-up pitch session 3</b> <i>Powered by Quest for Change see program on page 39</i></p>	<p><b>4:05 PM - 5:40 PM</b> <i>Salle 1</i></p> <p><b>Workshop 4 : How is the Fribourg region (Switzerland) contributing to the development of an exemplary bioeconomy ecosystem?   Powered by Fribourg Development Agency see detailed program on page 37</b></p>
<p><b>6:00 PM - 7:30 PM</b> <i>Grande Nef</i> Welcome reception</p>	



## YOUR DETAILED PROGRAM

# MARCH 20

**8:30 AM - 10:00 AM**

*Grande Nef - B2B  
space*

B2B meetings

**10:00 AM - 12:30 PM**

*Salle Clovis*



**Keynote Session 2 : Innovation in Renewable Carbon-based Building Blocks:  
Biomass and CO<sub>2</sub> Conversion**

*Sponsored by Réseau Carnot*

Chairwoman: Pauline Ruiz | **Nova Institute**

*Sponsor Words*

- Nathalie Gorret | **Réseau Carnot**

*Keynote speakers :*

- Achim Raschka | **Nova Institute**
- Ed DeJong | **Avantium**

*Round Table :*

- Ed DeJong | **Avantium**
- Nei Domingues | **Braskem**
- Alois Kindler | **BASF**
- Sandra Hofmann | **ADM**
- Florent Allais | **CEBB**

**12:30 PM - 2:00 PM**

*Grande Nef*

Lunch Break

2:00 PM - 3:35 PM  
Salle 1

### Parallel Session 1 : KETs transforming Bioprocess Design & Optimization Excellence

Chairwoman: Audrey Magnin | **B4C**

- *Real Time, in-situ Spectral Analysis for bioprocesses monitoring and optimization* | Noémie Caillol | **Axel'one**
- *Leveraging native fluorescence and artificial intelligence to track metabolic chemodynamics in fermentation and cell cultures to facilitate monitoring, control, and improvement of performance* | Joël Sirois | **BioIntelligence**
- *Host Finder: an automated pipeline to find robust microbial hosts* | Caroline Ranquet | **BGene**
- *Improving industrial in-line measurements by the application of well-controlled ultrasonic fields – application examples in selected bioprocesses* | Stefan Radel | **UsePAT**
- *Feedback loops between simulation and research in the techno-economic assessment of a new fermentation technology* | Jorge Benavides | **Consorzio Italbiotec**
- *Multi parameter sensors and dissolved oxygen (DO) sensor pills for shake flasks: removing black boxes for improved bioprocess development* | Julius Munro | **SBI – Scientific Bioprocessing**

2:00 PM - 3:35 PM  
Salle 4

### Parallel Session 2 : KETs unveiling innovations in purification sponsored by IndusFilter

Chairman: Steven Dewulf | **Indusfilter**



- *Exploring the future of GEA's Sustainable Purification Technologies : Circularity, Renewable Biorefineries and Innovation* | Tore Hartmann | **GEA**
- *Icrosimma: A new way to isolate and concentrate molecules of interests from a complex mix* | Emilie Bourgeois | **SAYENS**
- *Application of electrodialysis and chromatography to the conversion and purification of organic acids: Example of lactic acid* | Marie Chauve | **Eurodia**
- *A walk through key technologies in downstream processing* | João André | **Kovalus Separation Solutions**
- *Production scale centrifugal partition chromatography: Instrumentation, sustainable solvent system and purification of biosourced molecules.* | Thomas Michel | **Gilson**
- *Optimizing purifications: how digital solutions boost production performance and transform operating costs management* | Cédric Prieur | **Applexion**

2:00 PM - 3:35 PM  
Salle 5

### Parallel Session 3 : KETs Revolutionizing Nutraceutical Ingredient Production for Food & Feed

Chairman: Olivier Galy | **TWB**

- *Alternative proteins: novel sources, processes and applications – how to mix and match* | Christine Rasche | **Fraunhofer IGB**
- *TEKINBIO: a versatile solution for constantly evolving technologies* | Astrid Soulies | **Boccard**
- *Fermentation process optimization and downstream processing of heterologous p-hydroxycinnamic acids production* | Morad Chadni - Nabila Imatoukene | **URD ABI**
- *Decarbonizing the food production by unlocking microalgae's full potential* | Hippolyte Vaslin | **Solmeya** |
- *How can we use microbes and microbial ecosystems for Food and Nutrition* | Cyrille Pauthenier | **ABOLIS**

2:00 - 3:30 PM  
Grande Nef - B2B  
space

B2B Meetings

3:35 PM - 4:05 PM  
Grande Nef

Break

4:05 PM - 5:40 PM  
Salle 1

### Parallel Session 4 : KETs Leveraging Innovations in Microalgae production

Chairman: Philippe Lavielle | **Fermentalg**

- *A dynamic calibration method improves the accuracy of online biomass estimation of microalgae with optical density sensor* | Yen-Cheng Yeh | **Fraunhofer IGB**
- *Assessing and optimizing outdoor microalgae system performances: the example of biofacade* | Victor Pozzobon | **CentraleSupélec**
- *An Innovative Orbital shaker for cultIvating microAlgae (IOTA)* | Benoit Schoefs | **Le Mans Université**
- *How to guarantee the first gram of culture to maintain the production safe?* | Paul Goudeau | **Synosis Algae**
- *AlgoSolis R&D facility, high performance and integrated technology tool for the cultivation and refinery of microalgae at pilot scale* | Lucie Van Haver | **Capacités**

4:05 PM - 5:40 PM  
Salle 4

### Parallel Session 5 : KETs leading the way to Sustainable Polymers & Biobased Materials

Chairman: Ludo Diels | VITO

- *Production of high bio-content waterborne polyurethane dispersions and their application in synthetic leather production* | Gérald Alvoet | **Evoco**
- *Determination of analytical methods for quality monitoring of hemp fibres used in compounds for the automotive industry* | Marie Audouin | **FRD-Codem**
- *Biotic symbiosis for biodegradation of Agri-food waste plastics* | Nicolas Joly | **Université d'Artois**
- *High performing biobased products to change the course of action* | Justine Charmillot | **Bloom Biorenewables**
- *Innovative process for the production of MFCs (Micro-fibrillated cellulose) at the industrial scale* | Gérard Mortha | **Grenoble Institute of Technology**
- *SAP BIOMANITY, the first super absorbent polymer that is 100% bio-based and biodegradable* | Bernard Gainnier | **Biomanity**

4:05 PM - 5:40 PM  
Salle 5

### Parallel Session 6 : KETs Pioneering Cosmetics and Healthcare Ingredient Production

Sponsored by L'Oréal

L'ORÉAL

Chairman: Fabien Deswarte | L'Oréal

- *Extractives for add value to forest resource: a Quebec case study* | Nathalie Bourdeau | **Innofibre**
- *Enzymes and membranes based innovative processes for synthesis of biobased esters* | Winnie Dejonghe | **VITO**
- *Bioinspired processes to obtain cosmetic active ingredients from microorganisms* | Laurie Verzeaux | **Silab**
- *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**
- *Beyond Traditional Extraction Methods: Innovation for Caffeoylquinic Acids Extraction from Forced Chicory Roots* | Etienne Diemer | **UTC**
- *Samabriva's precision biomanufacturing platform – Industrializing hairy root-based expression system for a sustainable and local production of natural substances* | Florian Cardon | **Samabriva**

4:05 PM-6:05 PM  
Grande Nef - B2B  
space

B2B Meetings

6:00 PM - 7:30 PM  
Grande Nef

Cheese & Wine Cocktail : Sponsored by Bio Base Europe Pilot Plant

8:00 PM - 10:30 PM  
Champagne  
Castelnau

Gala Dinner : Sponsored by Leaf by Lesaffre

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19, 20 & 21 March 2024

Reims, France

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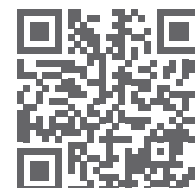
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## YOUR DETAILED PROGRAM

# MARCH 21

8:30 AM - 10:30 AM

Grande Nef - B2B  
space

B2B Meetings

9:00 AM - 10:30 PM

Salle 1



**Parallel Session 7 : KETs in LCA: Sustainable Bioprocessing Innovations | Sponsored by ADEME**

- *Ecodesign of biobased products* | Grégoire David | **ADEME**
- *Purposing biogenic carbon in decarbonising North Western Europe – a (bio) process systems design approach in global context* | Luuk Van Der Wielen | **TU Delft**
- *Determining the Biogenic Carbon Content of Biomass-Derived Fuels and Biogas with Carbon-14 Testing* | Jessica Ballasi | **Beta Analytics**
- *Prospective LCA to identify advantages of bio-based products over CCU products, the new reference beyond fossil* | Heiko Keller | **IFEU**
- *Comparative Life Cycle Assessment of bio-based nanofibers as a new approach to develop antiviral and antimicrobial nanocoatings* | Juan José Manzano Gallego | **Arditec**
- *Sustainability Framework for Technology Assessment* | Eduardo do Couto e Silva | **Brazilian Center for Research in Energy and Materials (CNPEM)**

9:00 AM - 10:30 PM

Salle 4

**Parallel Session 8 : KETs advancing Sustainable Innovations in Bioenergies and biobased chemicals**

Chairwoman | Meaghan Seagrave | **Bioindustrial Innovation Canada (BIC)**

- *IBN-SPK, a new technology to produce sustainable aviation fuel* | Marc Delcourt | **Global Bioenergies**
- *Renewable Chemicals from Biodiesel: VerBioChem provides C10 medium chain chemicals to the market starting 2025* | Andreas Kohl | **VerBioChem**
- *Biotechnological approach for phosphate recovery from deoiled seeds and bran* | Patrick Lenz | **Aachen University**
- *ZEBRA-LIFE: Zero Emission Biochemical and Renewable Additives* | Miriam Romero | **Inveniam Group**
- *Futuro!®: a bankable technology for advanced ethanol & sugars production* | Emilia Knospe | **Axens**
- *Suzano's Journey on BioBased Products Renewing Life Inspired by Trees* | Selma Jaconis | **Suzano**

9:00 AM - 10:30 PM

Salle 5

**Parallel Session 9 : KETs in the Circular Bioeconomy: Zero-Waste Biorefineries**

Chairwoman | Goizeder Barberena Ibañez | **CENER**

- *Sustainability of the Atlantic case in Sea2Land project: industrial production of biobased fertilizers from fish by twin extrusion* | Clément Chastrette | **CRT-CATAR**
- *RISE Bioeconomy Arena, a tool for our transition towards a bioeconomy* | David Blomberg | **RISE AB**
- *How to identify opportunities in urban circular bioeconomy: a methodological proposal and a case study in Brazil* | José Vitor Bomtempo | **GEBio, Bioeconomy Study Group at UFRJ – Federal University of Rio de Janeiro**
- *SCALE: a microalgae industrial biorefinery concept now real: focus on the downstream process* | Julie Person | **Microphyt**
- *Thermo-chemical fractionation, a unique technology to unlock biomass.* | Hans Heeres | **BTG Biomass Technology Group**

10:30 AM-11:00 AM

Break

11:00 AM-1:00 PM

**Keynote Session 3 : Revolutionizing Markets through Fermentation**

*Sponsored by Genopole*



Chairman & Keynote Session introduction | Bouke de Jong | **Planet-B.io**

- Sponsor's speech | Gilles Trystram | **Genopole**
- Keynote speaker | Maya Bendifallah | **Nutropy**

Round table

- Kevin Verstrepend | **KU Leuven**
- Alexis Rannou | **Givaudan**
- Simão Soares | **Silicolife**
- Simon Trancart | **Gingko Bioworks, Inc**
- Pierre Calleja | **SYKLEA**

1:00 PM - 2:00 PM

Lunch break

1:30 PM - 5:30 PM



**Site Visit 1 | Powered by ARD**

The Pomacle-Bazancourt Biorefinery, located near Reims, France, is a unique industrial and research hub specializing in the valorization of agricultural products and the production of biofuels, biomolecules, and proteins. Renowned for its innovative and sustainable approach, this biorefinery exemplifies circular economy principles, merging scientific research and industrial applications to transform plant raw materials into a variety of high-value products.

1:30 PM - 5:30 PM



**Site Visit 2 | Powered by Givaudan**

Givaudan's White Biotechnology Center in Pomacle, France, is a state-of-the-art facility dedicated to the research and development of sustainable and innovative ingredients for the flavor and fragrance industry. Utilizing advanced biotechnological processes, the center focuses on harnessing the potential of microorganisms and enzymes to create high-quality, natural, and eco-friendly products.

1:15 PM - 5:30 PM



**Site Visit 3 | Powered by FRD**

Fibres Recherches Développement (FRD) in Troyes, France, is an innovative organization focused on research and development in the field of natural fibers, particularly those derived from agricultural sources. They are renowned for their expertise in creating and enhancing the value of plant-based fibers, integrating them into various industrial applications, such as automotive, construction, and textile industries. FRD's work is pivotal in advancing sustainable and eco-friendly solutions within the realm of material science and industrial manufacturing.

1:30 PM - 5:30 PM



**Site Visit 4 | Powered by Université de Reims Champagne-Ardenne & EXEBIO**

The Institute of Molecular Chemistry is structured around original questionings in the field of chemical reactivity, structural characterization or development of intensified processes associating the aspects of structure/function relations, this in connection with the sectors of Vegetal Chemistry, Health, Materials and Nanosciences.

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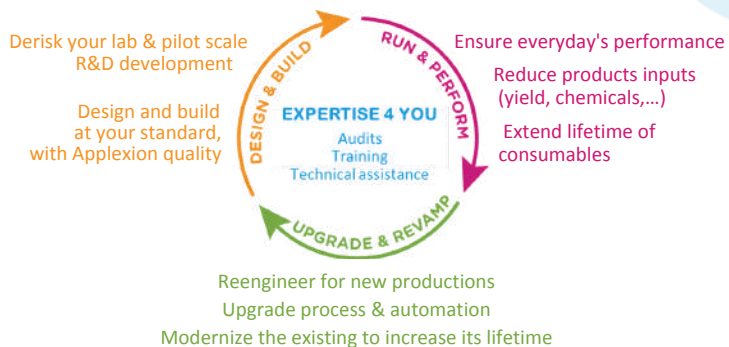
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# CHAIRMAN & SPEAKERS

## Keynote Session 1

 March 19

### Navigating the Intersection: Scaling-Up and Financing Bioeconomy Technologies



**Chairperson :**  
**Nicoló Giacomuzzi-Moore**

**Executive Director ad interim | CBE-JU**  
He has been working in European affairs for more than 20 years, with a focus on research and innovation policy, programme implementation and support to enterprises.



**Sponsor's speech : Guillaume Lamy**

**Commercial Director | ARD**  
Guillaume LAMY is ARD's Commercial Director & WheatOleo's General Manager, with a strong Business experience in EU & US, notably with Seppic/Air Liquide, for pharma, food & nutraceutical markets.



**Keynote speaker : Sylvie Lemoine**

**Deputy Director General | CEFIC**  
With more than 15y of experience in EU Government affairs, Sylvie Lemoine has been recently appointed Deputy Director General at Cefic.



**Keunote speaker: Nelson Barton**

**Chief Technology Officer | Geno**  
Nelson has been at Geno since 2011. He leads Research Develop & Engineering at the San Diego Innovation Center from ideation through delivery of the process design package.

### Round Table



**Michael Brandkamp**

**General Partner |ECBF**  
Michael is the Founder and General Partner of the European Circular Bioeconomy Fund (ECBF). He has 24 years of experience in the venture capital industry.



**Guillaume Lamy**

**Commercial Director | ARD**  
Guillaume LAMY is ARD's Commercial Director & WheatOleo's General Manager, with a strong Business experience in EU & US, notably with Seppic/Air Liquide, for pharma, food & nutraceutical markets



**Christian Patermann**

**Former Director EU Commission and Advisor to the German Government on bioeconomy matters**  
Christian Patermann is a lawyer considered as one of the pioneers of bioeconomics, agriculture, and foodstuffs in the Eu Union in Brussels. He has been an advisor to numerous public and private enterprises and founding member of the first German Bioökonomierats.



**Hendrik Waegeman**

**Head of Business Operations| BBEUPP**  
Mr. Waegeman is Head Business Operations and responsible for the operational management of BBEPP, one of the largest pilot- and demonstration facilities for industrial biotechnology.

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INNOVATION IN GREEN

# Startup Pitch Session 1

March 19



Chaired by : Paul Klein – Quest For Change

Paul is engineer by training, and he has been supporting innovative entrepreneurial projects for 15 years in exploring their potential markets and defining their deployment strategy.

Quest  
for change

**edonia**

2:00 pm

**EDONIA** : Edonia makes the cleanest and most nutritious textured ingredient on the market, using the most sustainable protein source on the planet - microalgae.



2:32 pm

**AGRILAB LEVERAGE** : ALL upcycles byproducts rich in pectin and transforms them into antioxidant for food industries primarily, suppressing E numbers.

**Peausology**

2:08 pm

**PEAUSOLOGY / OZZA** : Ozza is the 1st fresh IN & OUT SKINCARE, made with cold pressed raw ingredients and without any preservatives, using HPP technology. More freshness for more efficiency.

plasticentropy

2:40 pm

**PLASTICENTROPY** : Plasticentropy is developing a circular bioremediation solution to the accumulation of plastic wastes problem. Plasticentropy degrade the wastes, using enzymes, into chemical products which become feedstocks to various industries

**BLUE<sub>2</sub>**

2:16 pm

**BLUE<sub>2</sub>** : Blue2 is an ambitious early-stage project helping industries cut down on CO<sub>2</sub> emissions with a simple, flexible, cost-effective, nature-based solution.



2:48 pm

**ATHENA RECHERCHE ET DEVELOPPEMENT** :



2:24 pm

**AURALIP** : 80% of meat plant-based substitutes are ultra-processed. AuraLIP developed a plant-based fermentation innovation from Hemp to produce Naturals ingredients. AuraLIP technology flavours and textures plant-based matrix naturally for tasty, healthy and environmentally friendly products.



2:52 pm

**PROFILIA** is developing an ultra-rapid in vitro test to reveal the high potential of natural extracts for antibacterial, antifungal, antioxidant and/or insecticidal activities.

## Workshop 1 :

Now we only need to scale-up: why it is not that simple and what we can do about it

### With Dr. Christine Rasche and Dr. Grzegorz Kubik (Fraunhofer IGB/CBP)

The transformation of the chemical industry towards a more sustainable production is an urgent requirement of our time. However, the shift to renewable feedstock simultaneously with the adequate novel processes and equipment is very risky. With having run more than 400 projects in its biotech and chemical pilots plants, the Fraunhofer IGB/CBP will share some best practices and learnings. Also, we are curious about you! Let's discuss how to de-risk, speed up, or maybe even – revolutionize? – the way to an industrial process!

#### What to expect

Impulses from selected industry experts' scale-up experience

- *Rachele Puricelli - Olon Biotech CDMO - Business Development Manager*
- *Dr. Hedda Weber - Green Swanlings e.U. - Bioeconomy Consulting*

#### Best-practices from Fraunhofer IGB's scale-up experts

- *Dr. Christine Rasche - Fraunhofer IGB/CBP - Head of Business Area Sustainable Chemistry*
- *Dr. Grzegorz Kubik - Fraunhofer IGB/CBP - Head of Division Industrial Biotechnology*

Interactive discussion on scale-up challenges and solutions – what's keeping you from moving faster?

Make new connections with people that can support you





## Workshop 2 :

### CBE JU: advancing competitive circular bio-based industries in Europe

**With Nicolás Giacomuzzi-Moore, CBE JU Executive Director, Dieter Brigitta, CBE JU Call Coordinator and Oliver Zobell, CBE JU Deputy Call Coordinator**

The Circular Bio-based Europe Joint Undertaking invites you to a workshop on the partnership's 2024 funding opportunities on the first day of BIOKET 2024, the global conference dedicated to processes and technologies applied to biomass.

During the workshop, CBE JU representatives will present the CBE JU 2024 call for project proposals and answer your questions about the submission of applications. Participants will be able to receive follow-up information at the CBE JU stand throughout BIOKET 2024 on 19-21 March).

The in-person event is open to all potential applicants and interested stakeholders. Registration to the event is free of charge but required to access the venue.

<b>2:00 PM - 2:15 PM</b>	Welcome and presentation of CBE JU Nicoló Giacomuzzi-Moore, CBE JU Executive Director
<b>2:15 AM - 3:15 PM</b>	CBE JU 2024 call priorities, requirements and submission of proposals <i>Dieter Brigitta, CBE JU Call Coordinator</i> <i>Oliver Zobell, CBE JU Deputy Call Coordinator</i>
<b>3:15 PM - 3:30 PM</b>	Q&A followed by networking



## Startup Pitch Session 2

March 19



**Chaired by : Mariam Cherif | Sofinnova Partners**

Mariam is an Associate with the Sofinnova Ind. Biotech Strategy. Her experience includes leading investments in circular economy biotech companies and working with start-ups in biogas, agriculture and biofermentation.

**Quest**  
for change



3:20 pm

**PREVCARB :** Prevcarb develop a lignocellulosic biorefinery transforming local biomass into three platform molecules: lignin, cellulose and hemicellulose.



3:28 pm

**SOLMEYEA :** Solmeya is the only company producing at high scale non-GMO, single-cell proteins made from CO<sub>2</sub>, that can be sold for human consumption in Europe.



3:36 pm

**CATSALYZE :** We transform biomass into high-value chemical compounds through acellular enzymatic catalysis enhanced by our proprietary technology. Green chemistry, it's tomorrow with Catsalyze.



3:44 pm

**MYCORIUM BIOTECH:** Mycorium Biotech is a startup that upcycles waste using mycelium to produce bio-leather.



3:52 pm

**MYCELIUM TECHNOLOGIES:**

Foodtech which offers new foods, ingredients and extracts based on mycelium for human nutrition, while promoting a circular economy.



4:00 pm

**Alternative innovation :** Alternative Innovation is developing a shape-memory bio-resin to replace the petro-sourced plastics used in the leather and coatings industry.

This patented material is 100% biosourced, 100% recyclable and made in France.

Alternative Innovation markets its material through its catalogue of high added-value green coated textiles.



4:08 pm

**SYNOVANCE :** We bioproduce pigments using microorganisms and precision fermentation. Our products replace the chemical ones used in textiles and cosmetics.

## Workshop 3 :

### Scale-up biomass valorization & biorefineries in the European context

with **Raphael Hannoir Business Development Manager | De Smet Engineers & Contractors, Florent Heroguel Co-CEO and Co-founder | BLOOM Biorenewables, Alessandro Napoli Vice President Product Development | CIRCA, Tal Shapira CEO | TripleW and Uku Erik Tropp Process Development Manager | FIBENOL**

De Smet Engineers & Contractors (DSEC) support the development of companies active as bio-refineries at different technology readiness levels.

Thanks to our agro- and bio-industrial experience, we help them to de-risk their investment decision (FEL1/2/3) or project execution (EPCM/EP+CM/EPC).

In any step, DSEC integrates their process or the technology from a licensor in the overall design in order to deliver a plant allowing them to demonstrate their performances.

Engaged at different stage of process maturity, FIBENOL, TripleW, BLOOM and CIRCA will bring their testimonial on their project progress and development.

- **Introduction and Presentation of DSEC** - Raphael Hannoir - Business Development Manager | De Smet Engineers & Contractors
- **Bloom's journey from proof of concept to a first of a kind bio-refinery** - Florent Heroguel - Co-CEO and Co-founder | BLOOM Biorenewables
- **Levoglucosone at scale. Circa's journey to develop products and markets** - Alessandro Napoli - Vice President Product Development | CIRCA
- **Circulac, refined from wood waste** - Tal Shapira- CEO | TripleW
- **What They Don't Tell You When Commissioning a Unique Biorefinery** - Uku Erik Tropp - Process Development Manager | FIBENOL



## Workshop 4 :

How is the Fribourg region (Switzerland) contributing to the development of an exemplary bioeconomy ecosystem?

with Jerry Krattiger, Director PromFR , Christophe Allemann, Head of the ChemTech Institut, Roger Marti, Professor HEIA-FR , Yann Steulet, FriUp Director, Stefan Grass, CEO Cormo SA, Sonia Grimm, CEO Algaltek Sàrl, Eya Damergi, CTO Algaltek Sàrl and Lukas Schertel, CEO Seprify SA

The bioeconomy is a vital sector in the Swiss canton of Fribourg. This workshop will provide an overview of the public and private initiatives that are fostering business growth in the region. Firstly, the framework conditions will be presented through 3 short contributions, including a presentation of a research institute in applied chemistry and a presentation of support for start-ups. Then, 3 entrepreneurs' testimonials will illustrate the opportunities and challenges that accompany innovation in the sector. Finally, the last part will be dedicated to questions and exchanges with participants.

The Swiss canton of Fribourg, a territory of 335,000 inhabitants straddling the French-German linguistic border, boasts expertise in the agricultural sector, the agri-food industry, the production of biobased and biotechnological products. This sector generates sales of over 4 billion Swiss francs (29% of the canton's GDP) and accounts for 33,000 jobs (28% of the canton's total employment).

Companies based in the canton enjoy a favorable ecosystem for the development of their bio-economic activities, thanks to easy access to numerous resources, such as:

applied research institutes in the fields of chemistry, new building techniques and nanomaterials

- competency centers in the fields of biotechnology, the habitat of the future and plastics processing
- sector clusters in food-techs, construction and polymers
- innovation campuses in both urban and rural areas
- targeted support according to project or growth phase
- a favorable legal framework to support innovation

Since 2019, support for bio-economic activities has emerged as a strategic priority for the Fribourg government's economic promotion. To confirm the region's leading position in bio-economic innovation, significant resources are being deployed to encourage the development of this business sector. In addition, the "Assises de la bioéconomie" (Bioeconomy Conference) is already scheduled for autumn 2024



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## Workshop 4 :

How is the Fribourg region (Switzerland) contributing to the development of an exemplary bioeconomy ecosystem?

### 16:05 – 16:15: Introduction

Presentation of the canton of Fribourg's initiatives to promote the growth of the bioeconomy

*Jerry Krattiger, Director PromFR*

### 16:20 – 16:30: ChemTech Institute: applied chemistry for industry

Presentation and illustration through work carried out with Bloom Biorenewables SA (biobased products)

*Christophe Allemann, Head of the ChemTech Institute*

*Roger Marti, Professor HEIA-FR*

### 16:35 – 16:45: FriUp: support for entrepreneurs

Presentation of business consulting and support services for start ups

*Yann Steulet, FriUp Director*

### 16:50 – 17:00: Cormo SA

Expansion of R&D activities in the canton of Fribourg and cooperation with the ChemTech Institute

*Stefan Grass, CEO Cormo SA*

### 17:05 – 17:15: Algaltek Sàrl

Set up in a rural innovation campus dedicated to the agrifood sector and biomass valorization, development of microalgae crops by optimizing solar energy and using supercritical CO<sub>2</sub>

*Sonia Grimm, CEO Algaltek Sàrl*

*Eya Damergi, CTO Algaltek Sàrl*

### 17:20 – 17:30: Seprify SA

Establishment in an urban innovation campus, development of a business transforming cellulose into biobased products

*Lukas Schertel, CEO Seprify SA*

### 17:30 – 17:40: Conclusion

Questions and discussion with participants

Wrap-up and conclusion

*Jerry Krattiger, Director PromFR*



# Startup Pitch Session 3

March 19



**Chaired by : Ludwig Goris | Capricorn Ventures**

Ludwig Goris, Partner at Capricorn since 2023, specializes in Cleantech investments, focusing on energy, materials, and food sectors. He has a background in Chemistry and Physics, including post-doctoral research at Stanford University. He followed an Executive Masters in Corporate Finance at Vlerick Business School and Management at INSEAD. He started his venture career at Capricorn 12 years ago.

**Quest**  
for change



4:35 pm

**MyEasyFarm**, a startup dedicated to Low Carbon and Regenerative Agriculture projects for the Food Supply Chain (from Agri-food companies to farmers)

**syntetica**

4:43 pm

**SYNETICA**: Syntetica is developing a cheaper and greener chemical recycling process tailored to blended synthetic textiles, starting with polyamide.



4:51 pm

**LINIUM**: Linium Biochemicals unlocks a new source of low-carbon and bio-based aromatic building-blocks for essential everyday products (food, hygiene, pharma, materials).



4:59 pm

**EVEDYE**: Head of Operations & Finance: For more than 10 years, held positions in various departments of the finance department of the luxury giant Kering. Interested by the climatic and social stakes of the decades to come, decided to use experience for a new challenge: depolluting textile dyeing.



5:07 pm

**ALGA BIOLOGICS**:



5:15 pm

**EVOCO**: Evoco is a material innovation company that helps consumer brands defossilize their supply chain by replacing harmful fossil-derived materials with high-performance, plant-based alternatives.



5:23 pm

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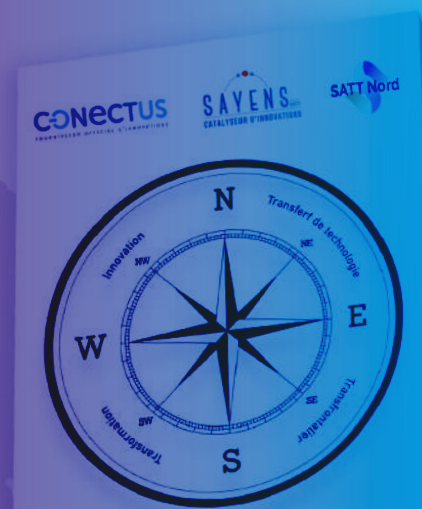
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# CHAIRMAN & SPEAKERS

## Keynote Session 2

 March 20

### Innovation in Renewable Carbon-based Building Blocks: Biomass and CO<sub>2</sub> Conversion



#### Chairwoman : Pauline Ruiz

**Expert in Sustainability, Technology & Markets for Renewable Chemicals and Polymers | Nova Institute**

Holds a M.Sc. in Polymer Chemistry, joined Nova in 2020 and works on topics related to sustainability, LCA, technology and markets for bio- and CO<sub>2</sub>-based chemicals and polymers.



#### Sponsors word : Nathalie Gorret

**Résaeau Carnot**

Nathalie is an INRAE Researcher in the Fermentation Advances and Microbial Engineering Group at Toulouse Biotechnology Institute (TBI). She has a PhD and a post-doctorate at MIT



#### Keynote speaker : Achim Raschka

**Head of Technology Department | Nova Institute**

Dipl. Biol. Achim Raschka is head of the technology & markets department at nova-Institute, Germany. He focus on alternative carbon sources and conversion technologies especially in biotechnology, green chemistry and CCU technologies.



#### Keunote speaker: Ed DeJong

**VP Development | Avantium**

VP Development – responsible for Public-Private partnerships, Ed is involved in feedstock selection and pretreatment, Catalytic Biomass Conversion of carbohydrates into building blocks for polyesters (PEF) and the valorization of side products.

## Round Table



#### Allais Florent

**Professor in Green Chemistry - Director of URD ABI | CEBB**

Florent ALLAIS, director of URD ABI and President of the CEBB, investigates the combined use of biotechnologies, green chemistry and downstream processing for the development of sustainable processes and high value-added products from biomass.



#### Nei Domingues

**Global Biomass to Chemicals Platform Leader | Braskem**

Dr. Nei Domingues is the Head of Biomass to Chemicals at BRASKEM, holds a PHD in Materials Science, and has 25+ years of experience in the chemical industry.



#### Ed DeJong

**VP Development | Avantium**

VP Development – responsible for Public-Private partnerships, Ed is involved in feedstock selection and pretreatment, Catalytic Biomass Conversion of carbohydrates into building blocks for polyesters (PEF) and the valorization of side products.



#### Sandra Hofmann

**VP Innovation and Product Development BioSolutions | ADM**

Polymer scientist, Sandra Hofmann, with 23 years in Business R&I for companies like Dow, Hempel, and Trinseo, now VP for Innovation at ADM's BioSolutions, is driving biobased material solutions for a fossil-free future



#### Alois Kindler

**Research Fellow | BASF**

Dr. Alois Kindler studied organic chemistry. Focusing on acetylene chemistry he worked in the development of new processes for intermediates and vitamins. He's now scientific expert at BASF basic chemicals research, focused on renewables based raw materials for BASF value added chains.

Sponsored by



# Parallel Session 1

## KETs transforming Bioprocess Design & Optimization Excellence

 March 20



### **Chairwoman: Audrey Magnin**

#### **Innovation Manager, Biobased molecules and related processes | B4C**

Audrey is dedicated to the innovation on biobased molecules and associated processes in the cluster B4C. She did a PhD on the biocatalytic degradation of polyurethane at the University of Strasbourg.



### **Noémie Caillot**

#### **Expert in spectral analysis and chemometrics | Axel'One**

Noémie has a PhD in process engineering and has worked in R&D for 18 years as a spectroscopist (Raman, NIR ...) and chemometrician for online monitoring of all kinds of chemical processes to assist Industry 4.0 digital transformation.



### **Joël Sirois**

#### **President & CEO | BioIntelligence**

Chemical engineer by training and serial entrepreneur by passion, Dr Sirois dedicated his career to improving bioprocesses and biotech companies' efficiency, to accelerate the sustainable growth of this industry.



### **Caroline Ranquet**

#### **Advanced Research manager | Bgene**

Caroline Ranquet received her PhD in microbiology in 2000. She is specialized in bacterial genetics and started BGene, an innovative company that develops sustainable and resilient production ways for high-value added, biobased molecules, in 2014.



### **Stefan Radel**

#### **Managing Partner | UsePAT**

Dr. Stefan Radel has a background in experimental physics but completed his PhD in the field of industrial microbiology. He is in charge as Tech-Head at usePAT and responsible for ultrasound devices, application development and IP.



### **Jorge Benavides**

#### **Innovation Engineer | Consorzio Italbiotec**

Chemical Engineer from Costa Rica with an European MSc. in Biorefineries. Currently working in Italbiotec, on the economic assessment of bio-based technologies for Italian industries and EU Horizon projects.



### **Julius Muno**

#### **Senior Account Manager | SBI - Scientific Bioprocessing**

Julius Muno is a biotechnologist by training and joined the German start-up aquila biolabs in 2016. After the company merged with Scientific Bioprocessing in 2021, he now is a senior account manager.

# Parallel Session 2

KETs unveiling innovations in purification

March 20

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**Chairman: Steven Dewulf**  
Indusfilter

Steven Dewulf is an engineer with 20 years of experience in process filtration with a focus on food, biotech and industrial fermentation



**Tore Hartmann**  
Senior Product Manager Chemicals and Minerals | GEA

Tore Hartmann is senior product manager sales for centrifuge equipment at GEA Westfalia Separator Group GmbH. He has experience in engineering, project management, commissioning of centrifuge equipment, with sales responsibilities and business development.



**Emilie Bourgeois**  
Investment Project Manager in Agrosiences, Natural Resources, Environment | SAYENS (ex-SATT Grand Est)

She is a project manager at SATT Sayens. With a background in biology and a doctorate in environmental microbiology, she works to promote innovations from public labs to market in the fields of agronomy, crop protection, agri-food, and processes.



**Marie Chauve**  
R&D Manager | Eurodia

After a PhD in Biotechnology on enzymatic hydrolysis of cellulose for bioethanol production, Marie started her career within Solvay Group in Brazil as research engineer. In 2019, she joins Eurodia Industrie in France, as R&D Manager.



**João André**  
Business Development Manager | Kovalus Separation Solutions

Dr. Joao Andre has over 20 years experience in separation technologies. He has worked in multiple industries within R&D, process and sales. He is presently responsible for Business Development at Kovalus Separation Solutions.



**Thomas Michel**  
Laboratory Manager & PhD in analytical chemistry/phytochemistry | Gilson

Thomas MICHEL is phytochemist with a biology background. He received his PhD in analytical chemistry. He is author of more than 50 peer-reviewed publications, book chapters and patent. He works now at Gilson Purification, in charge of the application and services laboratory.



**Cédric Prieur**  
Digital Project Manager | Applexion

Part of the Digitalization Team, Cédric develops and deploys Digital Customer Centric Services focusing on consumables' daily usage, purification units operating conditions' and performance optimization.



# Parallel Session 3

## KETs Revolutionizing Nutraceutical Ingredient Production for Food & Feed

 March 20



### **Chairman: Olivier Galy**

**CTO/COO | TWB**

Engineer in biochemistry, Olivier holds the position of CTO / COO at the industrial demonstrator TWB and manage a team of 25 engineers and technicians.



### **Christine Rasche**

**Head of Business Area Sustainable Chemistry | Fraunhofer IGB**

Dr. Christine Rasche is the Head of the Business Area Sustainable Chemistry at Fraunhofer IGB since August 2022, after having lead the department for Regenerative Resources. Prior she worked for almost two years as a Consultant for a global management consulting firm in the field of biorefining



### **Astrid Souliès**

**R&D Fermentation Engineer | Boccard**

Astrid Souliès, after she completed a PhD on micro-algae cultivation, is a R&D engineer in Boccard since 2022. Boccard is an industrial integrator of turnkey solutions and also develop tools for fermentation process.



### **Nabila Imatoukene**

**Research scientist in Biotechnology | URD ABI**

Dr Nabila IMATOUKENE earned her PhD in 2017. Since 2019, she has held the position of a researcher in Biotechnology at URD ABI AgroParisTech. She is involved in research topics on the production of high-value molecules by liquid fermentation.



### **Morad Chadni**

**Head of the Process Engineering Team | URD ABI**

Dr. Morad Chadni, Ph.D. in Industrial Process Engineering, leads the process engineering team at URD ABI. His research spans biomolecule extraction and agri-food by-products valorization.



### **Cyrille Pauthenier**

**CEO/CSO | Abolis**

Cyrille graduated from École Normale Supérieure. In 2014, after his Ph.D. in synthetic biology, Cyrille co-founded Abolis, with the aim of using biology to help the transition to more sustainable production models.



### **Hippolyte Vaslin**

**Upstream Manager | Solmeyea**

Hippolyte Vaslin - Biotechnology Engineer - ENSTBB in Bordeaux Alumnus. He is a microalgae specialist and is one of the three Shareholders of Solmeyea, holding also the "CSO" Chief of Science Role



### **Lucie Van Haver**

**Industrial Project Manager | Capacités**

Lucie Van Haver is working at CAPACITES, the private subsidiary of Nantes Université dedicated to the valorization of academic research for the industrial sector. She is working on innovating industrial projects on microalgae, supported by the GEPEA's research team and the AlgoSolis facility.

# Parallel Session 4

## KETs Leveraging Innovations in Microalgae production

 March 20



### **Chairman: Philippe Lavielle**

#### **Chairman | Fermentalg**

Philippe Lavielle, entrepreneur in industrial biotechnology and Chairman of the Board of Fermentalg. As Chairman of the Strategic Board at CarbonWorks, he is involved in CO<sub>2</sub> capture and valorization, emphasizing his commitment to environmental solutions.



### **Yen-Cheng Yeh**

#### **Scientist | Fraunhofer IGB**

Yen-Cheng Yeh is a scientific researcher at Fraunhofer IGB in Germany, focusing on monitoring, modeling, and automating microalgae cultivation.



### **Victor Pozzobon**

#### **Head of Bioprocess Modeling | CentraleSupélec**

Dr. HDR Victor Pozzobon heads the modeling team at the Chair of Biotechnology of CentraleSupélec. His works on microalgae and numerics at the photobioreactor scale for applications ranging from water treatment to pigment production.



### **Benoit Schoefs**

#### **Professor of Plant Physiology | Le Mans Université**

B Schoefs works at Le Mans University. His research is focuses on the physiology, biochemistry and molecular responses of algae to stress and biotechnological applications



### **Paul Goudeau**

#### **Technical sales engineer | Synosis Algae**

Paul Goudeau, graduate from both the Paris Superior Institute of Biotechnology and the Technologico de Monterrey on international business, he joins Synosis Algae 2 years ago. With previous experiences on shrimp industry and urban farming, he develops the business part of Synosis Algae.

# Parallel Session 5

March 20

## KETs leading the way to Sustainable Polymers & Biobased Materials



### Chairman : Ludo Diels

#### Former advisor sustainable chemistry | VITO

He is Dr. in chemistry & biotechnology, professor emeritus at Antwerp University, scientific advisor sustainable chemistry at VITO, in the Advisory & Program Group of Processes4Planet and the chair of the advisory group of the shared research center Biorizon.



### Gérald Alvoet

#### Vice President Marketing | Evoco

Sustainable brand builder with 15 years in high-growth consumer goods industries. Holds Master in Marketing from Sciences Po. Scaling next-gen plant-based materials as VP Marketing for Evoco.



### Marie Audouin

#### Analysis Project Manager | FRD-Codem

Marie Audouin has studied chemistry with a focus on materials science. Since 2020 she's worked at FRD-CODEM on natural fibres characterisation, for application in bio composites, concrete or polymers. Her main focus is quality control on biomasses, and development of decision support tools.



### Nicolas Joly

#### Teacher & Researcher | Université d'Artois

Since his PhD (1999, Univ Limoges) and to date (UTA, Artois site, Univ Artois), Nicolas Joly's research has focused on material based-on biopolymers, and biomolecules extracted from biomass.



### Gérard Mortha

#### Professor | Grenoble Institute of Technology

PhD in Chemical Engineering from Grenoble-INP, Professor at Grenoble-INP since 2012. His expertise covers the areas of biorefining chemistry and processes, lignocellulosics chemistry, and chemical analysis of lignocellulosics and derived polymers/materials.



### Justine Charmillot

#### Chemist | Bloom Biorenewables

Justine Charmillot, EPFL graduate, is a researcher chemist at Bloom Biorenewables working on lignin valorization. Her main goal is the development of products made from lignin to propose sustainable alternatives.»



### Bernard Gainnier

#### Founder & CEO | Biomanity

Founder and CEO of BIOMANITY, Responsible for the overall strategy, CEO of PwC France and Maghreb 2013-2021 (7,000 people, approx. 1 billion turnover), President of the Finance-Innovation Competitiveness Cluster

# Parallel Session 6

KETs Pioneering Cosmetics and Healthcare Ingredient Production

March 20

Sponsored by **L'ORÉAL**



**Chairman : Fabien Deswarte**

**Head of Strategic Partnerships for Sustainability Group | L'Oréal**

He has 15+ years of experience in the area of green chemistry and biotech.



**Nathalie Bourdeau**

**Researcher | Innofibre**

N. Bourdeau, is a researcher at Innofibre, a College Center for Technology Transfert (CCTT) in Trois-Rivières and an associate professor in the Department of Chemistry-Biochemistry at the University of Québec in Trois-Rivières.



**Winnie Dejonghe**

**R&D Project Manager | VITO**

Dr. Winnie Dejonghe (F) is project manager in VITO (BE) focusing on bioprocess development using renewable feedstock and integration of enzymatic processes with membranes.



**Laurie Verzeaux**

**Scientific communication | Silab**

I defended my PhD at the University of Reims in 2015. I joined SILAB in 2016 and after a few years spent in Innovation Management, I am now Project Leader in Scientific Communication.



**Sofie Lodens**

**Project Acquisition Coordinator | Bio Base Europe Pilot Plant**

Ph.D. in Bioscience Engineering, Sofie Lodens coordinates biobased projects at Bio Base Europe Pilot Plant. With 4 years experience in project acquisition, she leads EU and national initiatives like WASTE2FUNC, FUCATIL, and AC2GEN.



**Etienne Diemer**

**Researcher | UTC**

Etienne DIEMER is a 3rd year PhD student studying the valorization of agricultural by-product through extraction, purification and functionalization of high valued molecules with disruptive technologies.



**Florian Cardon**

**Chief Business Officer | Samabriva**

Florian Cardon, PhD, MBA, Chief Business Officer at Samabriva. Previous Chief Operating Officer of Samabriva. In charge now of the company's marketing and sales activities



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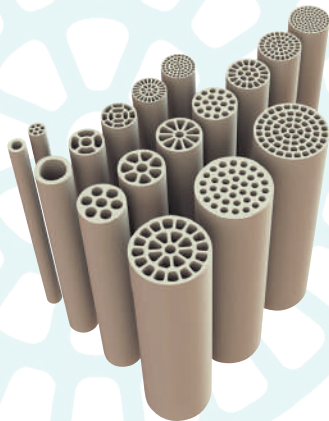
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# CHAIRMAN & SPEAKERS

## Parallel Session 7

KETs in LCA: Sustainable Bioprocessing Innovations

 March 21

supported by



### Grégoire David

**Environmental performance engineer for biosourced products | ADEME**

Grégoire DAVID (PhD) is graduated from ENSIACET (INP-Toulouse), a chemistry engineering school. He got his PhD in 2019 in bio-based materials from the University of Montpellier. He is now «bio-based product engineer» in ADEME, the French Agency for ecological transition, in Angers.



### Luuk Van Der Wielen

**Professor & Director of the Bernal Institute at the University of Limerick | TU Delft**

Distinguished Professor for Biobased Economy, TU Delft (NL) and Chair of Biosystems Engineering & Design, U Limerick (IRL). Details: [bernalinstitute.com/our\\_people/luuk-van-der-wielen/](http://bernalinstitute.com/our_people/luuk-van-der-wielen/)



### Heiko Keller

**Senior project manager in LCA and sustainability assessment | IFEU**

Dr Heiko Keller is a senior project manager for LCA/sustainability assessment with focus on biomass and renewable carbon at ifeu (since 2011). He holds a PhD in biophysics.



### Jessica Ballasi

**Policy Research Associate & Account Manager | Beta Analytics**

Jessica Ballasi is a Policy Research Associate and Account Manager at Beta Analytic. Her work aims at researching EU regulations to keep clients up to date with regulatory developments and promotes bio-based testing at the EU level.



### Eduardo do Couto e Silva

**Director at Brazilian Biorenewables National Laboratory (LNBR) | Brazilian Center for Research in Energy and Materials (CNPEM)**

Eduardo do Couto e Silva, PhD in physics, Director of the Brazilian Biorenewables National Laboratory at CNPEM. His vision is to integrate biotechnology and sustainability to address scientific and technological challenges of a sustainable economic development



### Juan José Manzano Gallego

**President | Arditec**

Leading Sustainability since 2017 in +20 EU projects related to construction, ANM/ biobased product development, waste valorisation, energy and industry. Referent NF Hab HQE

# Parallel Session 8

March 21

KETs advancing Sustainable Innovations in Bioenergies and biobased chemicals



## Chairwoman : Meaghan Seagrave

**Executive Director | Bioindustrial Innovation Canada (BIC)**

Meaghan Seagrave provides leadership to Canada's only green chemistry accelerator – Bioindustrial Innovation Canada. She is a nationally recognized bioeconomy leader who spearheads bio-based opportunities across the Canada.



## Andreas Kohl

**Head of Specialty Chemicals and Catalysts | VerBioChem**

Head of Specialty Chemicals and Catalysts, Verbio SE Throughout my industrial career at Süd-Chemie, Clariant and Verbio, I have focused on renewable feedstocks and innovative solutions for the Chemical and Energy Industry



## Marc Delcourt

**CEO | Global Bioenergies**

Marc Delcourt holds a Ph.D in microbiology. He has co-founded the company Global Bioenergies in 2008, and serves as its CEO since then.



## Patrick Lenz

**Postdoctoral Researcher | Aachen University**

Patrick Lenz is PostDoc at the Institute of Biotechnology (RWTH Aachen University) headed by Ulrich Schwaneberg. He works on enzymatic phosphate recovery from biomass in Anna Joëlle Ruff's subgroup.



## Miriam Romero

**Project Manager | Inveniam-Group**

Located in Barcelona (Spain), Miriam is an industrial engineer with a MSc in Circular Economy and Sustainable Development with experience in quality and project management in the automotive industry as well as in circular economy and sustainability-related projects.



## Emilia Knospe

**Alternative Fuels Technical Proposal Engineer | Axens**

Emilia Knospe is a Bio & Renewables Technologist at Axens providing tailored technical solutions for the biofuels and bio based chemicals production.



## Selma Jaconis

**New Business Manager | Suzano**

Selma Barbosa Jaconis is a chemical engineer, PhD (Federal University of Rio de Janeiro), MSc (Federal University of São Paulo). Polymers Science Specialist having worked for over 30 years in Petrochemical and Chemical companies.

# Parallel Session 9

March 21

## KETs in the Circular Bioeconomy: Zero-Waste Biorefineries



### **Chairwoman : Goizeder Barberena Ibañez**

#### **Biomass Strategy & Business Development Manager | CENER**

Goizeder Barberena is at the moment implementing and developing growth opportunities in biomass and bio-based products sector within Biomass Area of CENER and its BIO2C Biorefinery as Product Manager.



### **David Blomberg**

#### **Research and Business Developer | RISE AB**

David holds a PhD in organic chemistry with a background from the pharmaceutical industry and synthetic organic chemistry. Since 2010 working with renewable feedstocks with the purpose to develop new biorefinery processes and biobased products for the transition towards a bioeconomy.



### **José Vitor Bomtempo**

#### **Professor | GEBio, Bioeconomy Study Group at UFRJ – Federal University of Rio de Janeiro**

D Sc in Industrial Organization. Coordinator and Researcher at GEBio, Bioeconomy Study Group, UFRJ – Federal University of Rio de Janeiro. Researcher at GEE, Energy Economics Group, UFRJ – Federal University of Rio de Janeiro.



### **Julie Person**

#### **Corporate - Project coordinator & Communication | Microphyt**

Julie PERSON is graduated from an engineer degree in Chemistry. Since 2020 she participates the Microphyt development by bringing her wide experience in the microalgae sector, first in Project Coordination and Corporate Communication Manager, and now as Corporate Development Project Manager.



### **Hans Heeres**

#### **Process engineer | BTG Biomass Technology Group**

Dr. Ir. Hans Heeres has a PhD in chemical engineering. He joined BTG in 2010 as a researcher and his main expertise and work field is in the recovery and production of valuable chemicals and products from biomass derived solids and liquids.



### **Clément Chastrette**

#### **Process development engineer | CRT-CATAR**

Process development engineer and innovation officer at CRT-CATAR. He works in technological transfer for vegetal and animal bioresources fractionation, extraction and purification of high-value molecules.

# Keynote Session 3

March 21

## Revolutionizing Markets through Fermentation



**Chairman :**  
**Bouke de Jong**

**CTO | Planet-B.io**

Bouke Wim de Jong, CTO at Planet-B.io, is a biotech expert with a decade of US experience in bio-product development across industries, holding degrees from leading universities.



**Sponsor's speech :**  
**Gilles Trystram**

**General Director | Genopole**

Gilles Trystam is the Managing Director of GIP Genopole since June 2022. He's a researcher and professor and headed the AgroParisTech higher education and research establishment for ten years.



**Keynote speaker :**  
**Maya Bendifallah**

**Co-founder & CSO | Nutropy**

Dr. Maya Bendifallah is the CSO & Co-Founder of Nutropy. She is a recombinant protein and protein complex specialist with a background in biotechnology and strategy consulting

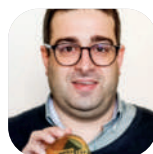
## Round Table



**Alexis Rannou**

**Head of Operations Strategy - Givaudan**

Joined ARD in 1991 (R&D)  
In 2000 became deputy managing director of Soliance  
In 2014 joined Givaudan as Operation Director, in 2018 became head of operations Strategy.



**Simão Soares**

**Ceo & co-founder - Silicolife**

Simão Soares, CEO of SilicoLife, merges AI and biology for sustainable ingredient production through precision fermentation. With a background in bioinformatics and over 13 years in industrial biotech, he's also President of P-BIO.



**Simon Trancart**

**Head of Adaptative Laboratory Evolution - Ginkgo Bioworks**

Simon Trancart is Head of Adaptive Laboratory Evolution at Ginkgo Bioworks. He served the sugar industry before he co-founded Altar which was acquired by Ginkgo Bioworks in 2022.



**Kevin Verstrepren**

**Director & professor KU Leuven**

Kevin J. Verstrepren serves as full professor in Genetics and Fermentation at Leuven University, director of the VIB Center for Microbiology & guest professor at Tianjin Inst. for Biotechnology. He studied at KU Leuven, MIT and Harvard U.



**Pierre Calleja**  
**Founder | SYKLEA**

Biotechnology innovator Dr. Pierre Calleja develops eco-friendly solutions to combat pollution and climate change. Founder of Planet Forever, Fermentalg and Odontella, he has dedicated his career to developing sustainable solutions to address global environmental challenges.

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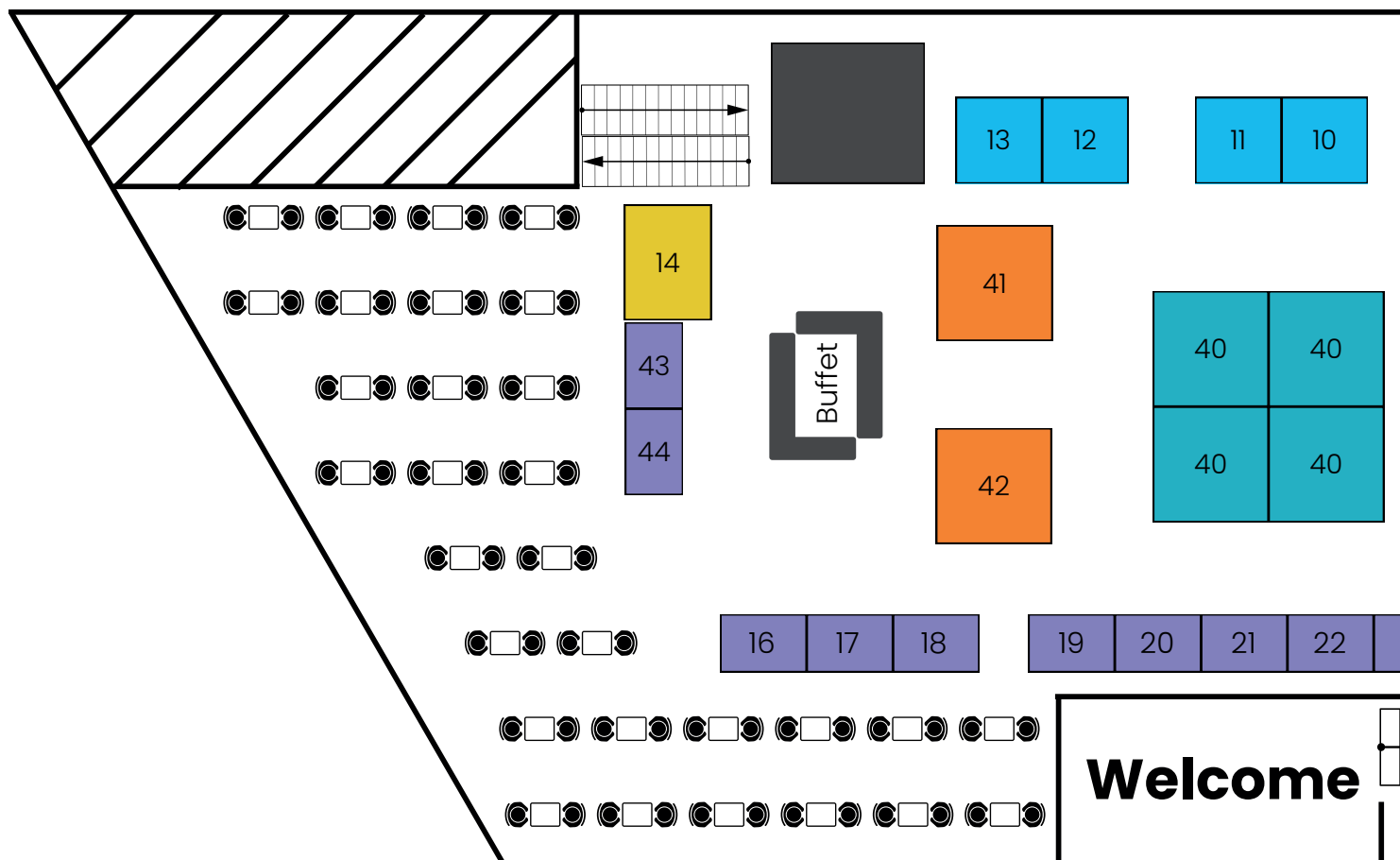


[bioeconomyforchange.eu](http://bioeconomyforchange.eu)



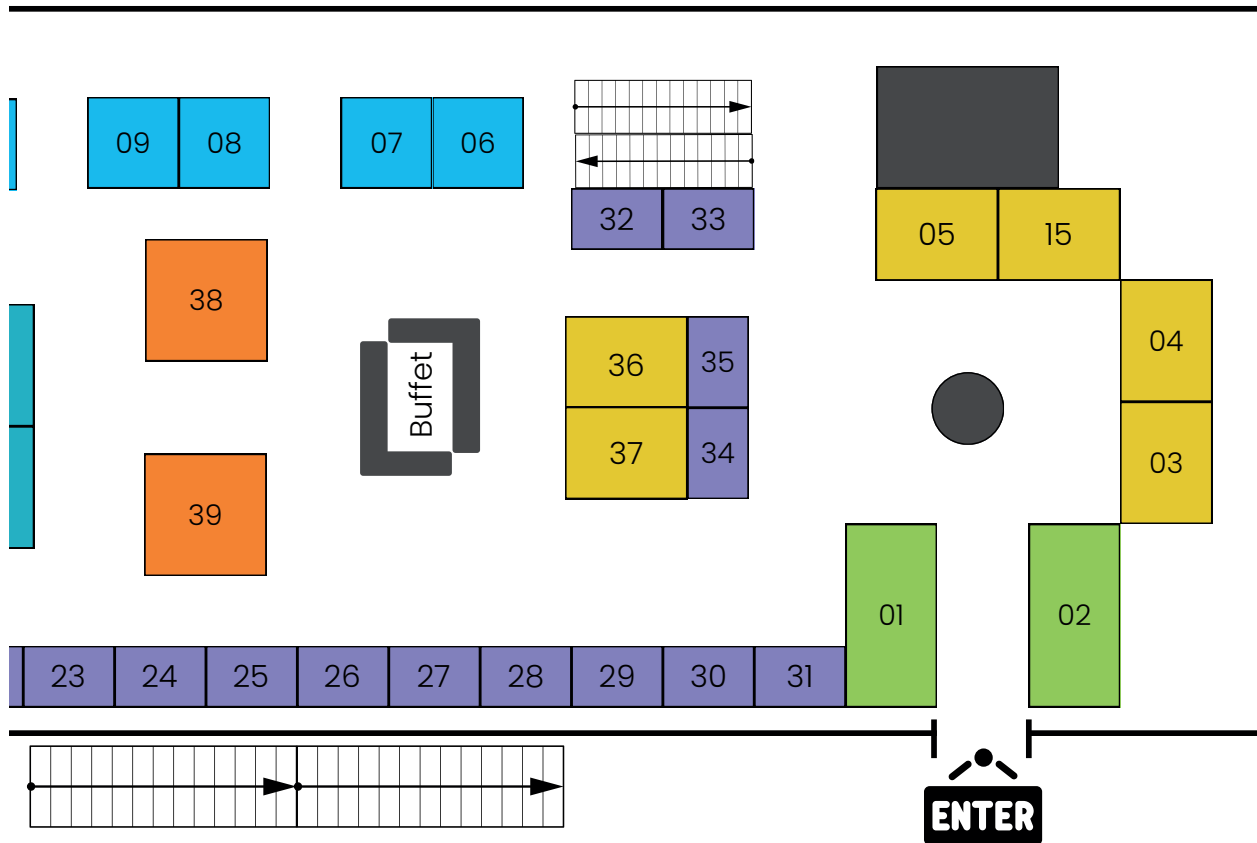


# Exhibition floorplan



- 1 & 2 - Région Grand Est
- 3 - ARD
- 4 - Bioeconomy For Change
- 5 - Réseau de SATT
- 6 - SYKLEA
- 7 - GEA Separation
- 8 - Flottwegg
- 9 - Fraunhofer IGB
- 10 - Applexion
- 11 - LIST
- 12 - Promotion of Fribourg

- 13 - Tami Siva
- 14 - Axens
- 15 - Beckman
- 16 - Processium
- 17 - TWB
- 18 - Syngulon
- 19 - Lebas Industries
- 20 - SBI
- 21 - Stella
- 22 - Quest For Change
- 23 - IPSB



- 24 - IMean
- 25 - FRD
- 26 - Clestral
- 27 - Bocard
- 28 - CEBB
- 29 - BIOREA
- 30 - BioIntelligence
- 31 - Axel'One
- 32 - BGene
- 33 - Everdye
- 34 - Hydroair

- 35 - Université de Reims
- 36 - Biobased Europe Pilot Plant
- 37 - De Smet
- 38 - Genopole
- 39 - Réseau Carnot
- 40 - Quest for Change - Startup Village\*
- 41 - CBE-JU
- 42 - Idé Trois-Rivières
- 43 - Alfa Laval
- 44 - Inevo

\*See Startup participants on the next page

# MEET OUR STARTUPS

## ON THE **Quest**<sup>↑</sup> **STARTUP VILLAGE** for **change**





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With **+260 startups** currently supported by a team of former entrepreneurs, **Quest for change** is a network that gathers **5 territorial and 2 sectorial incubators of the Grand Est region.**

By the end of the year, Quest for change will launch his third sectorial incubator focused on **bioeconomy innovations**, from sustainable agriculture to the valorization of biomass. Relying on the dynamics of the region, the incubator emphasizes on facilitating **access to experimentation** for the startups.



BUSINESS STRATEGY



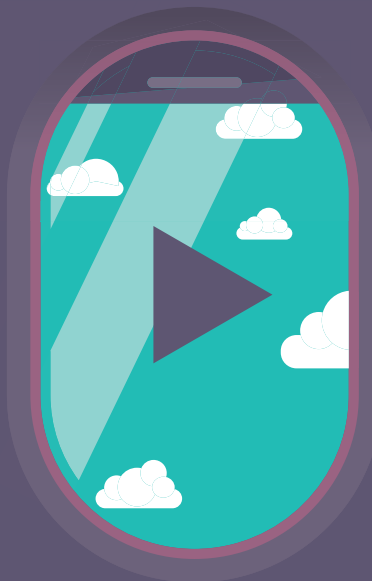
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## INNOVATION TOUR 1



March 21

# Pomacle Biorefineries and CDMO ARD

1 :30 PM - 5 :30 PM :

The Pomacle-Bazancourt Biorefinery, located near Reims, France, is a unique industrial and research hub specializing in the valorization of agricultural products and the production of biofuels, biomolecules, and proteins. Renowned for its innovative and sustainable approach, this biorefinery exemplifies circular economy principles, merging scientific research and industrial applications to transform plant raw materials into a variety of high-value products.



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220m<sup>3</sup>, 350m<sup>3</sup>



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INNOVATION TOUR 2



March 21

# Givaudan White Biotechnology Center

1 :30 PM - 5 :30 PM :

Givaudan Active Beauty crafts avant-garde cosmetic actives and high-end specialties that make people look and feel good. Our extensive portfolio of award-winning skin & hair ingredients spans a variety of benefits for human beauty: from well-ageing and self-tanners to radiance, microbiome-friendly, soothers, hydrators, and more. Backed by solid scientific recognition and consumers' awareness.



## INNOVATION TOUR 3



March 21

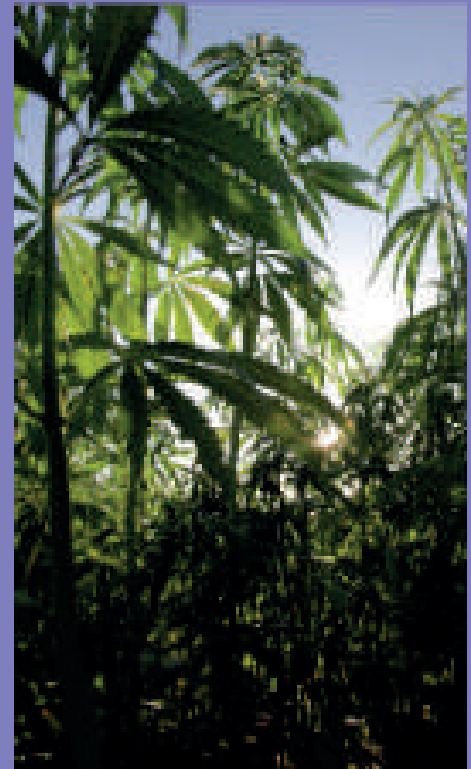
# FRD-Codem technical center

1 :15 PM - 5 :30 PM :

As a Technology Resource Center, FRD-CODEM supports the development and mass production of bio-sourced materials and ecomaterials: insulation, panels, concrete, plastics, composites, etc.

Visit our FRD-Lab technology hall, dedicated to the development of solutions based on plant fibers (flax, hemp, miscanthus, straw, etc.):

- Design of customized fibers and semi-finished products,
- Material processability,
- Quality control,
- Resource availability...





# University of Reims Champagne-Ardenne

**1 :30 PM - 5 :30 PM :**

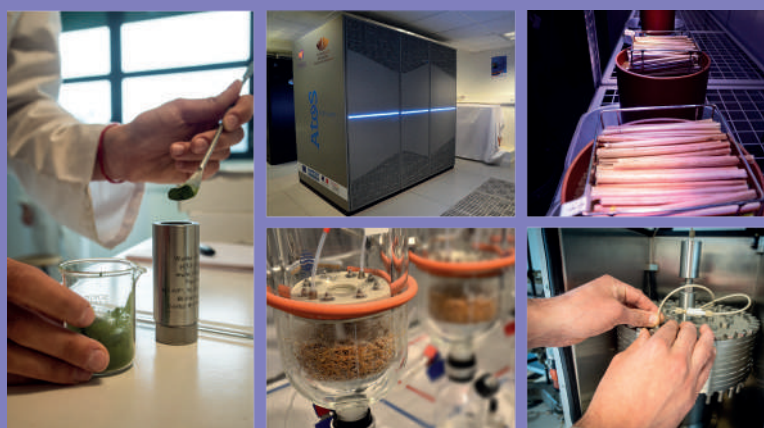
The Institute of Molecular Chemistry is structured around original questionings in the field of chemical reactivity, structural characterization or development of intensified processes associating the aspects of structure/function relations, this in connection with the sectors of Vegetal Chemistry, Health, Materials and Nanosciences.

FARE is working on the mechanisms of deconstruction of lignocellulosic plant resources in natural ecosystems for agriculture and the environment and in (bio)technological processes for green and sustainable chemistry. Its mission is focused on the biological and the technological transformation of lignocellulosic plant biomass for non-food purposes.

ROMEO is a technological platform and research center. Its mission is to deliver high performance computing and Artificial Intelligence resources and expertise for both industrial and academic researchers, along with an entire ecosystem of services like secured storage space, specific software and support in its usage in 3 main application domains: mathematics and computer science, physics and engineering sciences, multiscale molecular modeling.

### Program :

- 1:30 pm – 2 pm: ride from the Congress Centre to the Moulin de la Housse Campus
- 2 pm – 2:45 pm: Visit of the Regional Super Computer ROMEO
- 3 pm – 3:45 pm: Visit of the UMR CNRS ICMR (Institute of Molecular Chemistry)
- 4:15 pm – 5 pm: Visit of the UMR INRAE FARE (Fractionation of AgroResources and Environment)
- 5 pm-5:30 pm: ride back to the Congress Centre



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## Diamond



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**Innovation et Développement économique Trois-Rivières** : Waterfront and university city, home to many research and technology transfer centres in bio-industries, Trois-Rivières is the North American gateway to the bioeconomy. Trois-Rivières metropolitan region has one of the largest industrial park in Canada with a reliable green energy supply and a market of 480 million consumers

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**SATT NORD** : SATT provide companies with disruptive technologies which are coming from French public research. Other specific operations : SCOUTING, DIAG DEEPTech, DEEPTech MEETINGS and TECH-365.fr

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**LIST** : The Luxembourg Institute of Science and Technology (LIST) presents its GreenTech Innovation Center, working to develop, scale-up, and help commercialise bio-based products and bioprocesses.



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**Bioréa**, expert of fermentation, cultivate various microorganisms (microalgae, vegetal cells, fungi, bacteria) from R&D to production thanks to an Airlift patented process.



**Boccard Ingredients & Biotechnology** customizes the design FEL1/2/3, manufactures & installs automated equipment and complete process solutions, in the nutraceutical market



**CEBB** : A multidisciplinary research center, with scale-up facilities, specialized in biotechnologies, green chemistry and biomaterials to enhance the value of biomass.



**Clextral** : The twin screw process for biomass pretreatment is a proven and effective technology for lignocellulosic biomass conversion into biomaterials, biochemicals, and biofuels.



**Everdye** : Head of Operations & Finance: For more than 10 years, held positions in various departments of the finance department of the luxury giant Kering. Interested by the climatic and social stakes of the decades to come, decided to use experience for a new challenge: depolluting textile dyeing.



**FRD** : As a Technology Resource Center (TRC), FRD-CODEM supports the development and mass production of bio-sourced materials and ecomaterials: insulation, panels, concretes, plastics, composites.



**Givaudan** Active Beauty crafts avant-garde cosmetic actives and high-end specialties that make people look and feel good. More at [www.givaudan.com](http://www.givaudan.com)



**HydroAir** is specialized in membrane separation systems for process applications in pharma, food, chemical field and industrial effluent treatment for water reuse.

## Bronze



**iMEAN** biomodelling company reconstructs genome-scale metabolic network models with high predictive power, enabling biological system understanding.



**INEVO** founded in 2005, subsidiary of ORANO Group is a team of 70 process engineers who provide high level studies for industries and start-up : chemical, biotech, decarbonation.



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**Processium** provides process development services that accelerate and de-risk new technology introduction for clients ranging from startups to large industrial companies.



**Aquila Biolabs / SBI:** Scientific Bioprocessing, Inc. (sbi) is dedicated to offering cutting-edge solutions for the life science industry, pioneering digitally simplified bioprocessing



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**Syngulon** : Syngulon is a synthetic biology startup developing original genetic technologies using bacteriocins, antimicrobial peptides produced by a wide variety of microorganisms.



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# Sponsors profile

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**CRIBIQ:** The CRIBIQ, a non-profit organization, stimulates innovation in Quebec's bioeconomy industrial sectors by granting funding and facilitating interindustry collaborations, as well as collaborations between the public research community and private companies, to strengthen the competitiveness of industries.



**ResearchNB:** ResearchNB is New Brunswick, Canada's research and innovation hub, supporting health and bioscience sectors to improve the lives of New Brunswickers.



**Foresight Cleantech Accelerator Centre:** Foresight is Canada's largest cleantech innovation and adoption accelerator



**Ministry of Forests, Government of British Columbia:** The Innovation, Bioeconomy and Indigenous Opportunities branch in British Columbia's Ministry of Forests supports sector diversification, innovation, & transformation.



**Invest Nova Scotia:** Invest Nova Scotia is a provincial business development agency with a mandate to support businesses small and large, new and new to Nova Scotia, Canada.



**Bioindustrial Innovation Canada:** Bioindustrial Innovation Canada is Canada's green chemistry business accelerator that provides critical strategic investment, advice, and services to developers.



**FPInnovations:** FPInnovations is a private not-for-profit organization that specializes in creation of solutions in support of the Canadian forest sector's global competitiveness.



**Terre Neuve Consulting** is a boutique consulting firm. Our role encompasses providing leadership, direction and management for organizations supporting a healthier future.



**Zone d'Innovation - Vallée de la Transition Énergétique**  
In line with Québec's structuring vision on the energy transition, La Vallée de la Transition Énergétique Innovation Zone is a global hub bringing together the industrial ecosystem, research and innovation in decarbonization and energy transition.



**Natural Resources Canada:** The Canadian Forest supports science and policy to advance sustainable forest management, environmental leadership, and forest sector competitiveness.



**BioApplied:** BioApplied Innovation Pathways provides business services for the bioeconomy. BioApplied is focused on transforming ideas and technologies into commercial value.



**Reynold Stokes Engineering Inc:** Reynold Stokes Engineering Inc is a Canadian engineering firm focused on «concept-to-commissioning» engineering, innovation & commercialization.



**Innofibre:** Innofibre contribue à l'accélération technologique dans le développement de produits celluloseux et biosourcés avec ses installations pilotes uniques en Amérique du Nord



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**The Renewable Materials Conference (RMC)** in Siegburg/Cologne (Germany) is the world's largest conference on chemicals and materials based on biomass, CO<sub>2</sub> or chemical recycling – the only alternatives to fossil-based chemicals and materials. The unique concept of presenting all renewable material solutions at one event hits the mark. It covers the entire value chain from alternative carbon feedstocks, the chemical industry, the materials sector, product manufacturers to brand owners and investors.



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**More information at: [ilbioeconomista.com](https://ilbioeconomista.com)**

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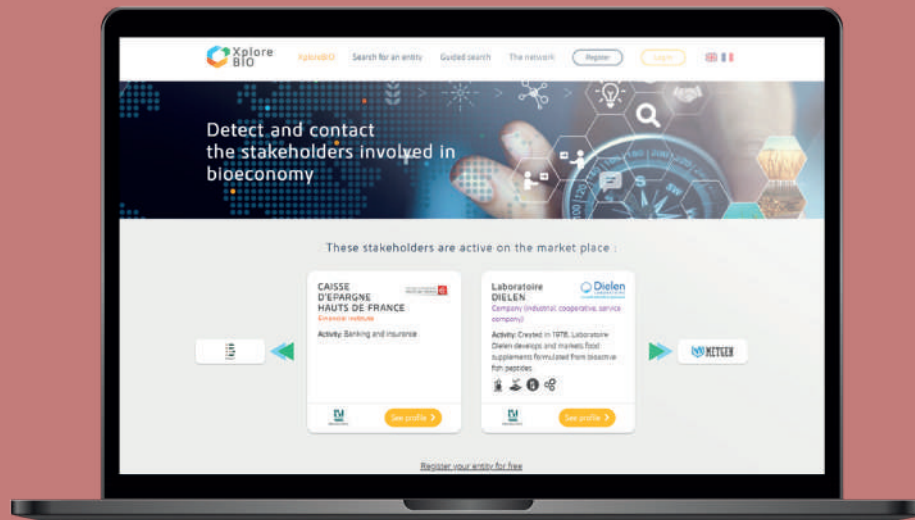
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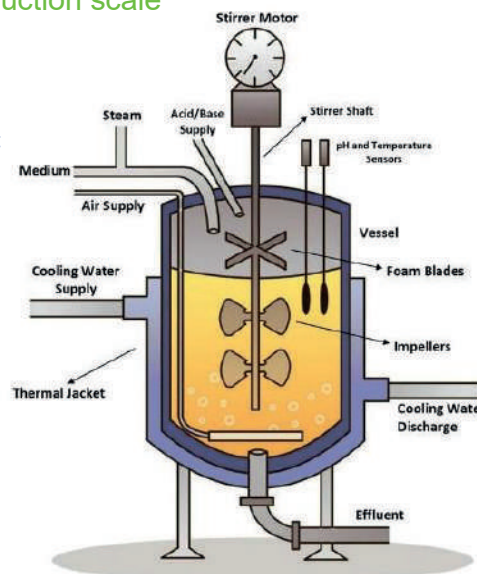
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