



BIOKET North
America

The global conference dedicated to
PROCESSES AND TECHNOLOGIES
APPLIED TO BIOMASS

SHOWGUIDE

2023

MAY 23-24-25, 2023
TROIS-RIVIÈRES, QC, CANADA

Organized by:

 **BIOECONOMY
FOR CHANGE**

In partnership with:

idé
Trois-Rivières

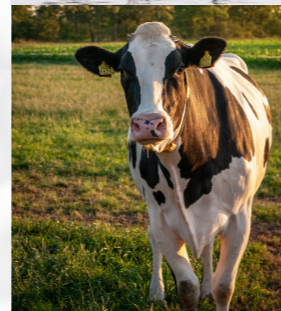
Diamond sponsors:

 **CRIBIQ**
Consortium de recherche et innovations
en bioprocédés industriels au Québec

NOTRE MISSION

Soutenir des projets innovants dans les filières industrielles de la bioéconomie au Québec

Notre objectif est d'accélérer l'innovation en offrant du financement, de l'accompagnement et de l'expertise ainsi qu'en facilitant les collaborations entre la communauté de recherche publique et les entreprises privées afin d'améliorer la compétitivité de ces industries.



NOS SECTEURS D'INTERVENTION



Agroalimentaire



Environnement



Bioproduits industriels



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cribiq.qc.ca

BIOKET WOULD LIKE TO THANKS ALL ITS 2023 SPONSORS

DIAMOND



PLATINUM



GOLD



L'ORÉAL



SILVER



BRONZE



LAPORTE



EXHIBITION



WITH THE SUPPORT OF :



At the crossroads of innovative biomass valorization and effective sustainable industrialization



A combination of Skills and Expertise

Raw Material Properties, Biotechnology, Process Design, Prototype Production, Industrialization & Scale-up Support, Functionalization & Formulation, Analytics, Nutrition, Chemistry, Regulatory & Environmental Studies



Revealing the best from Biomass



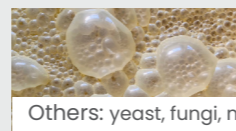
Oilseeds



Pulses



Cereals



Others: yeast, fungi, microalgae, insects, industrial co-products...



Converting Functionalities of interest into Quality and Sustainable Bioproducts

Via Novel & Improved **Oils**, Alternative **Proteins**, Fermentation Products, Co-products such as Fibers, Polymers and Carbohydrates



For various Market Segments

Food, Petfood, Feed, Probiotics, Nutritional Products, Cosmetics, Industrial Chemicals, Detergents, Construction Materials



More than 170 people



For more information



INDEX

- Sponsorship & Exhibitors page 3
- Edito page 6
- About BIOKET page 7
- Advisory Board page 10
- Programme at a glance page 13
- Your detailed programme
 - May 23 page 16
 - May 24 page 20
 - May 25 page 27
- Welcome reception page 19
- Networking cocktail page 22
- Chairpersons & speakers
 - May 23 page 31
 - May 24 page 39
 - May 25 page 48
- Innovation Tours
 - GROUPE BELLEMARE page 43
 - CNETE page 44
 - ULYSSE page 45
 - INNOFIBRE / UQTR page 47
- Exhibition floorplan page 54
- Meet our sponsors page 58
- Start-up village page 62
- Practical information page 66

Programming Committee

Johan DE CONINCK - Head of Connections and International - B4C - Bioeconomy For Change
 Audrey CASTONGUAY - Chargée de Projets Spéciaux - IDÉ Trois-Rivières
 Cristina MARQUES - Vice-President - Cribiq
 Daniela BERNIC - Directrice de l'Innovation - Cribiq
 Jean-Philippe CHENEL - Directeur à l'Innovation - Cribiq
 Daniel BÉGIN - Agent de recherche - UQTR
 Nathalie BOURDEAU - Chercheuse - Innofibre

EDITO

2023 marks another important milestone for BIOKET as the conference is organised for the first time in North America. We are very honoured to organise this edition with our partners from IDE Trois-Rivières who welcome us all in Canada.

Both Bioeconomy For Change and IDE Trois-Rivières share a vision of the bioeconomy that aims to sustainably supply food, feed, fibers, chemicals and energy based on biomass. However, the bioeconomy is more than just economic valorisation of renewable resources, it is a fundamental transformation of economic models towards productive ecosystems that ensure efficient closing of the material and energy cycles.

Realising the full potential of the bioeconomy requires a systemic change that can only be achieved through Key Enabling Technologies (KETs). We firmly believe that KETs are an essential driver of the circular bioeconomy, promoting innovation across industries and delivering sustainable solutions that improve people's health and safety while addressing climate change.

The BIOKET conference brings together experts, researchers and industry professionals from around the world to share their knowledge and experiences with the bioeconomy and KETs. We are excited to offer a platform for attendees to promote innovative solutions, expand their networks, and develop new business and technological partnerships.

Let's get inspired, exchange ideas, collaborate, and work together to build a sustainable future through bio-based solutions and KETs. We look forward to meeting you during BIOKET 2023!

Mario De Tilly
Managing Director IDE Trois-Rivières



Boris DUMANGE
Managing Director
Bioeconomy For Change



BIOKET

The Global conference dedicated to Processes and Technologies Applied to Biomass

At the time of industry 4.0, circular economy and the constant optimisation of production processes, Key Enabling Technologies constitute an essential stake for industrial sectors.

Biomass is a wonderful resource that can be converted in a wide range of high added products: biobased chemicals, materials, food products and ingredients, energy...

However, the adaptation and optimisation of technologies and transformation processes to fully valorise all biomass fractions is a real challenge. At the time of Industry 4.0, Key Enabling Technologies (KETs) underpin the shift towards a greener and more sustainable economy. They play a key role in the modernisation of the industrial base while fostering the development of future industries.

In this context BIOKET, aims to contribute to the rise of key enabling technologies in the bioeconomy sector.

www.bioket.eu | 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 28

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. We believe in food that nourishes sustainable projects. We believe in materials that encourage sustainable building. We believe in biofuels to replace fossil fuels. We believe in all the innovations we have at our disposal that take care of us as much as they do the planet. Because we believe in a much better future, we also believe the bioeconomy is there to support this change...

AND THAT CAN CHANGE EVERYTHING.

AN ECOSYSTEM DESIGNED FOR COLLECTIVE ACTION



Promote
your actions



Inform
your decisions



Grow your
network



Bring your
innovations to life

THE NETWORK IN FIGURES

500

members
committed to change

+350

projects
funded

€3

billion in
investment

+50

European projects
(15 BBI projects, 4 flagships)
since 2005

+50

events/year
to develop partnership

Bioeconomy For Change (formerly IAR) is the leading network for the bioeconomy in France, in Europe and globally. With a team of 35 specialists and an ecosystem of 500 members, we work collectively from upstream agriculture activities through to the commercialisation of finished products. Be part of the change. **Join us.**

bioeconomyforchange.eu



2023 ADVISORY BOARD



Florent ALLAIS

Director - *URD ABI, AgroParistech*

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.



Selma BARBOSA JACONIS

New Business Manager - *Suzano*

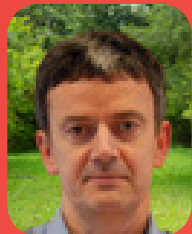
Selma Barbosa Jaconis is a chemical engineer, PhD (Federal University of Rio de Janeiro), MSc (Federal University of São Paulo). Polymers Science Specialist having worked for over 30 years in Petrochemical and Chemical companies.



Natalia BOURENANE

General Manager - *BiogasWorld*

Natalia Bourenane, general manager of BiogasWorld, has 10 years of experience in the biogas and RNG industry. She has been the author of studies on biogas and RNG regulations, market potential, costs, competition, etc.



Denis CHEREAU

CEO - *Iteq - Pivert - Improve*

Denis Chéreau is managing IMPROVE, PIVERT & ITERG offering R&D services, in Green Chem & Biotech, protein & plant-based fat processing with strong capabilities in oleo chemistry, analytics, human nutrition and environmental studies.



Nancy DEZIEL

Executive Director - *CNETE*

Nancy Déziel has been working in applied research for 30 years. Its objectives are to contribute to making SMEs competitive and to creating an economy based on innovation and knowledge.



Thiago FALDA

Executive President - *ABBI*

Thiago Falda, the Executive President of the Brazilian Bioinnovation Association (ABBI), is an accomplished executive with over 11 years of experience in a variety of areas related to bioeconomy, such as biotechnology, energy transition, carbon market and decarbonization, intellectual property, biodiversity, GMOs, biofuels, and biochemicals.



Jean LACROIX

Director - *Cintech*

Structuring actor and committed promoter for more than 25 years as CEO or founder, Jean Lacroix has been managing Cintech Agroalimentaire for more than 2 years. This builder has hatched this R&D center towards a posture of creating ecosystems generating progress with the industry towards greater autonomy and resilience.



Cristina MARQUES

Vice-president - *Innovation CRIBIQ*

Cristina Marques has been working in the Quebec innovation ecosystem for over 25 years. She worked at the Centre de recherche industrielle du Québec (CRIQ) where she carried out various strategic intelligence mandates for Quebec companies.



Alex MICHINE

CEO - *Metgen*

Alex Michine is Professional Manager and Board Member of Life Science companies. He is consultant in strategic development issues, specialises in Fund Raising, Company Management, Conflict Resolution, Team Building, Strategic Assessment.



Olivier ROLLAND

Managing Director - *TWB*

Olivier ROLLAND is Managing Director of TWB and has 10+ years in strategy, business & product development in the bioeconomy. He was Director, Sustainable Fuel Strategy at Boeing and also spent 8 years at TotalEnergy where he managed the alliance with Amyris in synthetic biology.



Christophe RUPP-DAHLEM

Executive Director - *B4C - Roquette*

Christophe Rupp-Dahlem is Roquette's Public Affairs Director since 2015. He has been elected President of Protéines France in September 2020, and President of B4C in December. Between 2008 and 2016, Christophe Rupp-Dahlem was President of ACDV.



Dr. Markus WOLPERDINGER

Director - *Fraunhofer IGB*

Markus WOLPERDINGER is director of the Fraunhofer IGB. He has 25+ years of experience in management positions and applied research. He is vice-director of the German Bioeconomy Council and head of several bioeconomy activities at Fraunhofer.

TROIS-RIVIÈRES ACCUEILLE LES PROJETS INNOVANTS POUR UNE ÉCONOMIE VERTE ET DURABLE

TROIS-RIVIÈRES WELCOMES INNOVATIVE PROJECTS

FOR A GREEN AND SUSTAINABLE ECONOMY

OUR EXPERTISE / Notre expertise

- **BIOREFINERY** / Bioraffinage
- **GREEN HYDROGEN** / Hydrogène vert
- **LIGNOCELLULOSIC MATERIALS** / Matériaux lignocellulosiques
- **BIOBASED PRODUCTS** / Produits biosourcés



TRÈS
Trois-Rivières



MEET OUR EXPERTS
CONSULTEZ NOS EXPERTS

idetr.com

PROGRAM AT A GLANCE

MAY 23

08:00 - 08:30	B2B meetings
8:30 - 8:50	Opening
8:50 - 9:50	David Suzuki Conference
9:50 - 10:20	Coffee break
10:20 - 12:50	Plenary session: Science & Technologies behind Alternative Proteins
12:50 - 13:20	Awarding Ceremony of the Honoris Causa Doctorate to Dr. David Suzuki
13:20 - 14:30	Networking Lunch
14:30 - 16:00	B2B meetings
14:30 - 16:00	Breakout sessions <ul style="list-style-type: none">• Session 1 - KETs to Optimize bioprocesses• Session 2 - KETs for Extraction & purification• Session 3 - KETs to Valorise the feedstocks of the future
16:00 - 16:30	Healthy Break
16:30 - 18:00	B2B meetings
16:30 - 18:00	Breakout sessions <ul style="list-style-type: none">• Session 4 - KETs for the future in bioprocess development• Session 5 - KETs to produce Nutraceuticals• Session 6 - KETs for a Circular Bioeconomy
18:30 - 20:00	Welcome reception

PROGRAM AT A GLANCE

MAY 24

08:00 - 09:30	B2B meetings
09:30 - 12:15	Plenary session: The Greenhouse Gases Valorisation to Value-added Products: A circular economy approach to Climate Change
12:15 - 14:00	Networking Lunch
13:30 - 17:30	Industrial site visits: <ul style="list-style-type: none">• Biotechnologies Ulysse• CNETE• Groupe Bellemare• Innofibre + UQTR
14:00 - 15:30	B2B meetings
14:00 - 15:30	Workshop 1: Green Science Transformation for a Sustainable Cosmetic Industry by L'Oréal
15:30 - 16:15	Healthy Break
16:15 - 17:45	B2B meetings
16:15 - 17:45	Workshop 2: Brazilian Bioeconomy
18:30 - 19:30	Networking cocktail
20:30 - 23:00	Gala Dinner

PROGRAM AT A GLANCE

MAY 25

08:00 - 09:00	B2B meetings
09:00 - 10:30	Breakout sessions <ul style="list-style-type: none">• Session 7 - KETs for Biomass pretreatment and conversion• Session 8 - KETs for Biocatalysis• Session 9 - KETs to produce Biobased Materials
10:30 - 11:00	Healthy Break
11:00 - 12:00	Start up Piches
12:00 - 14:15	Plenary session: State of Challenges and strategy to commercialize Lignocellulosic based high added value products
14:15 - 15:30	B2B meetings

DETAILED PROGRAMME

MAY 23

08:00 - 08:30 <i>Trois-Rivières 5</i>	B2B meetings
8:30 - 8:50 <i>Vision A-B</i>	Openingi
8:50 - 9:50	David Suzuki Conference
9:50 - 10:20	Coffee Break
10:20 - 12:50 <i>Vision A-B</i>	<p>Plenary session: Science & Technologies behind Alternative Proteins <i>Sponsored by Genopole</i> <i>Chaired by Denis Chereau - Alliance Improve - Iterg - Pivert</i></p> <p>Keynote lecture: Alternative protein challenges - Denis Chereau - Alliance Improve - Iterg - Pivert</p> <p>Session: Plant Based Proteins:</p> <ul style="list-style-type: none">• Alternative proteins: the future of the planet? Gilles Trystam - Genopole• Process vs Product Innovation – How combining both has created a unique position in the market for PIP Marco Brawley-Tremblay - PIP International• Centre of Expertise in Plant-based Proteins: A strategy to mobilize Quebec stakeholders in the development and marketing of plant-based protein foods Réjean Drouin - Cintech agroalimentaire <p>Session: Alternative Proteins:</p> <ul style="list-style-type: none">• Fy: introduction of a new protein Thomas Jonas - Nature's Fynd• Insect protein : Opportunity for sustainable food and feed Frederic Marier - Nutrimago• Caseins : from the bioreactor to your plate Mamou Diallo - Standing Ovation
12:50 - 13:20	Awarding Ceremony of the Honoris Causa Doctorate to Dr. David Suzuki
13:20 - 14:30	Networking Lunch
14:30 - 16:00 <i>Trois-Rivières 5</i>	B2B meetings

14:30 - 16:00
Mékinac

Session 1 - KETs to Optimize bioprocesses
Chaired by Olivier Galy - Toulouse White Biotechnology

- **Reinforcement learning for bioprocess design**
Albert Mestre - Intemic
- **Bioinformatics modelling and metabolic engineering of the branched chain amino**
François Coutte - University of Lille
- **Accelerating workflows for microbial production and high-throughput screening**
Paola Randazzo - Toulouse White Biotechnology
- **Contribution of microorganisms and their metabolites in the development of novel hygiene solutions**
Eric Emond - Kersia

14:30 - 16:00
Nicolet

Session 2 - KETs for Extraction and Purification
Chaired by Florent Allais - CEBB

- **GEA liquid / solid separation with sedimentation centrifuges for purification unit operations in biorefineries**
Alexander Kraus - GEA
- **From biomass to innovative bio-based, safe and biodegradable UV filters: a multidisciplinary journey**
Florent Allais - URD-ABI
- **Membrane & resin based technologies: the way to overcome the technical and economical challenge for the purification of bioprocess molecules**
Antoine Charbonneau - Novasep
- **Developing Novel Extraction Technologies for Rare Polyphenols — benefits of Academic-Private Partnerships**
Akeem Gardner - Canurta & Annabelle Saint Pierre - Innofibres

14:30 - 16:00
Bécancour

Session 3 - KETs to Valorise the feedstocks of the future
Chaired by Guillaume Lamy - ARD

- **SCALE : the first of its kind fully integrated microalgae biorefinery at an industrial scale**
Julie Person - Microphyt
- **From head to hooves; Enhancing slaughterhouse waste valorisation using an innovative combination of technological and eco-friendly approaches.**
Catherine Bélanger - Biopterre
- **The potential for ethylene glycol in biosynthesis**
Christian Euler - Phycus Biotechnologies
- **Utilisation of Biorefinery Residues for Hydrogen Production**
Mark Gronnow - Biorenewable Development Center (BDC)

16:00 - 16:30

Healthy Break

16:30 - 18:00
Trois-Rivières 5

B2B meetings

16:30 - 18:00
Mékinac

Session 4 - KETs for the future in bioprocess development

Chaired by Nancy Deziel - CNETE

- **The importance and role of AI and collaboration in optimizing and scaling bioprocesses.**
Joshua Cloutier Beupré - CNETE & Millette Mathieu - Kerry Group
- **A biofoundry for microbial cell factories and mammalian cell lines: accelerating discovery and development**
Nicholas Gold - Genome Foundry
- **Sustainable Beauty through Green Sciences in a World of Co**
David Fabry - L'Oréal
- **Inline fluorescence spectroscopy in combination with machine learning and artificial intelligence for real-time identification and elimination of losses in fermentations**
Joël Sirois - Biointelligence Technologies

16:30 - 18:00
Nicolet

Session 5 - KETs to produce Nutraceuticals

Chaired by Laurent Bazinet - INAF

- **Development of new health ingredients from the fermentation of turmeric**
Morgan Le Rouzic - Polytech Lille
- **Electrodialysis with filtration membrane (EDFM) : an eco-efficient technology for the production of bioactive peptides in a circular economy**
Laurent Bazinet - INAF
- **Monoglycerides of polyunsaturated fatty acids: Properties, productions and uses**
Kim Doiron - ISOBIOKEM
- **Breaking the Bioavailability Barrier: Current Advances and Challenges in Nutraceutical Delivery Systems**
Dmitri Boudovitch - Folium Labs

16:30 - 18:00
Bécancour

Session 6 - KETs for a Circular Bioeconomy

Chaired by Cristina Marques - CRIBIQ

- **Upcycling of waste plastics using unique microwave technology in a circular economy**
Ali Eslami - Pyrowave
- **Crops protection from a forest residue: The circular economy in action**
David Gagnon - Kemitek
- **Transforming food waste into biosurfactants: a circular solution to conventional surfactants**
Sarah Martinez - Dispersa
- **The future is sweet**
Paul Servin - Xeros Technology Group



Welcome reception

B4C & IDÉ Trois-Rivières are pleased to welcome you to BIOKET in Trois-Rivières

Join us at the welcome reception for a pleasant moment of informal networking with other participants.

May 23rd from 18h30 to 20h00

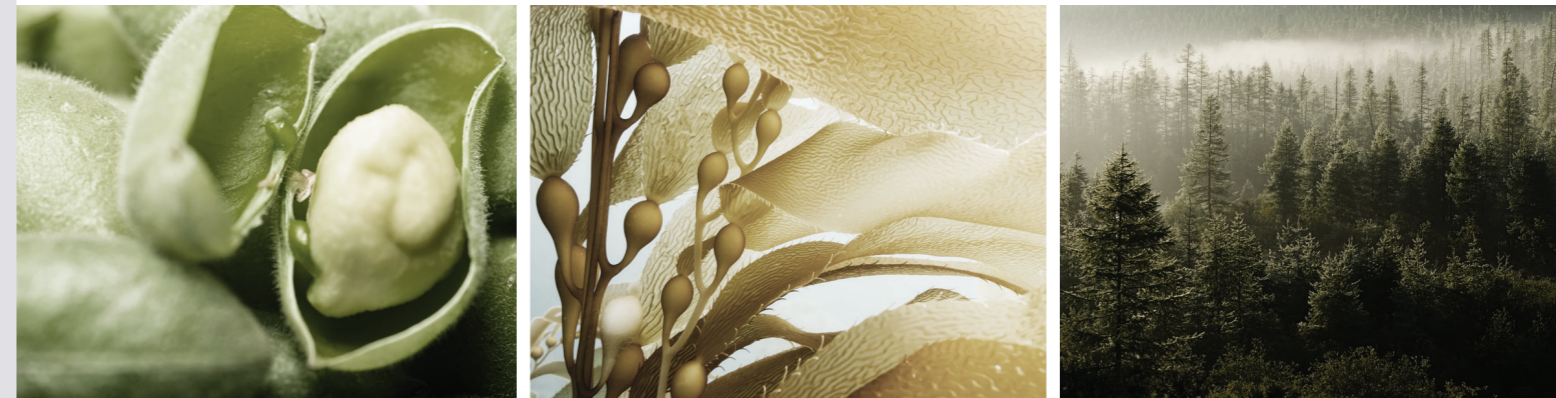


SUSTAINABILITY CHAMPIONS

NPC is proud to be a central player in Canadian bio-based innovation. Through our advice, programs, network and investment fund, we help identify and advance solutions that are better for people, animals and the planet.



www.naturalproductscanada.com



DETAILED PROGRAMME

MAY 24

08:00 - 09:30
Trois-Rivières 5

B2B meetings

09:30 - 12:15
Vision A-B

Plenary session: The Greenhouse Gases Valorisation to Value-added Products: A circular economy approach to Climate Change

Sponsored by Carnot Institute.

Chaired by Meaghan Seagrave - Bio Industry Canada

Sponsor speech: Carnot network, your partner for innovation in Bioeconomy: How academic research can improve innovation in Bioeconomy? - Coraline Caultet - Carnot Institute

Keynote lecture: Carbon capture and use in the bioeconomy and its impact on climate change - Ludo Diels - University of Antwerp

- **Bio-CCU at Bio Base Europe Pilot Plant**
Karel De Winter - Biobased Europe Pilot Plant
- **CO2... From an industrial waste to green chemicals**
Martin Laroque - Electro Carbon
- **Capturing and reacting CO2 in Québec – findings and challenges**
Louis Fradette - CycloCarbone Inc.
- **Next Generation Renewable Sourced Gas (RSG): Catalytic and Biological Methanation from PtX and Biomass**
Ricardo Hamdan - Hitachi Zosen Inova

12:15 - 14:00

Networking Lunch

13:30 - 17:30

Industrial site visits:



14:00-15:30
Trois-Rivières 5

B2B meetings

14:00 - 15:30
Nicolet

Workshop 1: Green Science Transformation for a Sustainable Cosmetic Industry by L'Oréal

- James Clomburg - Lanzatech
- Markus Wolperdinger - Fraunhofer Institute for Interfacial Engineering and Biotechnology
- Miao Wang - L'Oréal Advanced Research

15:30 - 16:15

Healthy Break

16:15 - 17h45
Trois-Rivières 5

B2B meetings

16:15 - 17h45
Bécancour

Workshop 2: Brazilian Bioeconomy

Chaired by Thiago Falda - ABBI

- Nei Sebastião Domingues Junior - Braskem
- João Bastos - SENAI Cetiqt
- Ananda Sá Dias - Suzano

18:30 - 19:30

Networking cocktail

20:30 - 23:00

Gala Dinner

Networking cocktail





The REGION GRAND EST is delighted to offer you a networking cocktail

Join them on May 24th from 18h30 to 19h30

La Région
Grand Est



HAUTS-DE-FRANCE, AMBITION BIOÉCONOMIE !

-  Devenir le leader européen des protéines
-  Développer les matériaux biosourcés dans les secteurs du transport et du bâtiment
-  Augmenter la part du biogaz dans le mix énergétique
-  Soutenir massivement les biotechnologies



Retrouvons-nous sur :



bioeconomie-hautsdefrance.fr

La Région
Grand Est

ALSACE CHAMPAGNE-ARDENNE LORRAINE LA FORCE D'UN TOUT

185 000 voyageurs quotidiens sur le réseau TER, 1^{er} région productrice de biocarburants durables de France*, 21 000 km de cours d'eau – soit un demi-tour du monde. Il y a des chiffres qui parlent d'eux-mêmes.

grandest.fr

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* Région Grand Est, 2021. La stratégie régionale Bioéconomie - La filière des biocarburants durables dans le Grand Est.

NORMANDY



© Emmanuel Berthier

www.normandy-tourism.org

NETWORKING DINNER

May 23 – From 20h00 to 23h00

Located at the confluence of the Saint-Maurice and St. Lawrence rivers, the Cogeco Amphitheatre is an exceptional cultural venue that stands out for its remarkable acoustics and beautiful setting. It is located on one of the most attractive sites in the regional capital and acts as a true driving force for economic and tourism development of the entire Mauricie region.

As part of the Gala Dinner, you will enjoy exclusive access to the stage of the amphitheatre and the breathtaking view of the hall and the river. During a cocktail reception, you will experience a memorable evening with a live band that will provide a warm musical background during the dinner and a musical performance to close the evening.

A unique experience not to be missed!



Amphitheater COGECO
100 Av. des Draveurs,
Trois-Rivières, QC G9A 5H3, Canada

IT'S GOOD TO
HAVE IDEAS...
KNOWING
WHEN YOUR
IDEAS ARE
GOOD IS
EVEN BETTER.



INFORM YOUR DECISIONS

By analysing and deciphering your market and innovation opportunities, our Research and Strategic Studies service is there to guide you when you have strategic decisions to make.

1

**Biomass
supply**

2

**Technologies
and processes**

3

**Markets
and products**

For more information, find us on stand 28
Or contact Louis TIERS – Head of Competitive Intelligence
+33 6 16 11 82 16 – l.tiers@bioeconomyforchange.eu

bioeconomyforchange.eu



**BIOECONOMY
FOR CHANGE**

NETWORK & EXPERTISE

Focused on your success



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DETAILED PROGRAMME

MAY 25

08:00 - 09:00
Trois-Rivières 5

B2B meetings

09:00 - 10:30
Mékinac

Session 7 - KETs for Biomass pretreatment and conversion

Chaired by Lynne Finnerty - BIO

- **Intensified continuous biomass treatment by twin screw extrusion**
Lionel Danos - Cleextral
- **Optimisation and scale-up of an enzymatic production of Cyrene™ from Levoglucosenone (LGO)**
Kevin Amrani - Resolute
- **Bark and wood residues as a source of renewable reducing agent in metallurgy**
Simon Langlois - Innofibre
- **First technological showcase plant for the production of biofuels and bio products from residual biomass, on the Island of Montreal.**
Yvon Nadeau - ONYM

09:00 - 10:30
Nicolet

Session 8 - KETs for Biocatalysis

Chaired by Eric Peterson - INRS

- **Valorisation of bio-based molecules by hybrid catalysis: towards the synthesis of polymers and surfactants.**
Rénato Froidveaux - University of Lille
- **3-D Microarrays for enzymatic measurements in industry**
Alexis Vlandas - Zymoptiq
- **Enzymatic production of gluaric acid derivative from underutilized agricultural and forestry biomass**
Thu Vuong - YZymes / University of Toronto
- **An efficacious and eco-responsible enzyme-assisted extraction process**
Alain Thibodeau - CTVB - Centre de transformation et de valorisation de Bioproduits

09:00 - 10:30
Bécancour

Session 9 - KETs to produce Biobased Materials
Chaired by Anis Ben Amor - Nartural Products Canada

- **ISO-Lignin® Technologies: From idea to market**
Danick Godin - Enerlab
- **Turn your organic by-products into value-added biopolymers**
Paul Boudreault - Bosk Bioproduct
- **Life Cycle Assessment of lignin-based polyols and polyacids for coatings applications**
Léo Staccioli - Arditec
- **Nanofibrillated Cellulose for Durable and Sustainable Concrete**
Geoffrey Fisher - Performance Biofilaments

10:30 - 11:00 Healthy Break

11:00 - 12:00 Start up Piches

12:00 - 14:15
Vision A-B
Plenary session: State of Challenges and strategy to commercialize Lignocellulosic based high added value products

Sponsored by Innofibre
Chaired by Jean-Philippe Jacques - Innofibre

Keynote lecture: Bridging the gap between the needs of industry, the latest scientific developments and their translation into industrial reality (TBC) - Markus Wolperdinger - Fraunhofer IGB

Sponsor speech : Mauricie region in Quebec : An ecosystem for the development of biobased products - Jean-Philippe Jacques - Innofibre

- **Sustainable wood-based materials and chemicals for a circular economy**
Gerd Unkelbach - UPM Biochemicals
- **Transition to a sustainable process with potential feedstock for the North American bioeconomy**
Frederic Perrault - Cascade
- **Challenges and Opportunities in commercialization of kraft lignin**
Ananda Sá Dias - Suzano
- **Decarbonization of the global economy through the use of lignocellulose derived products**
Davis Chiu - Paper Excellence

14:15 - 15:30
Trois-Rivières 5
B2B meetings



**YOUR PARTNER FOR INNOVATION
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DAVID SUZUKI

OPENS BIOKET ON MAY 23



DR. DAVID SUZUKI
Award-Winning
Scientist,
Environmentalist, and
Broadcaster

Dr. David Suzuki is a grandfather, broadcaster, scientist, and activist. He has made it his life's work to help humanity understand, appreciate, respect and protect nature. He is familiar to television audiences as host of the CBC science and natural history television series *The Nature of Things*. David was the recipient of The Canadian Academy of Cinema and Television's 2020 Lifetime Achievement Award. David has been recognized by BC Achievement in partnership with the Lieutenant Governor of BC for his extraordinary work as a recipient of the 2021 BC Reconciliation Award. Dr. Suzuki is a Companion to the Order of Canada and a recipient of UNESCO's Kalinga Prize for science, the 2009 Right Livelihood Award, and UNEP's Global 500. He is a Professor Emeritus at the University of British Columbia in Vancouver and holds 31 honorary degrees from universities in Canada, United States and Australia. His written work includes more than 56 books, 19 of them for children.

Read more here:
www.davidsuzuki.org/david

CHAIRMAN & SPEAKERS

Opening plenary Session :

 MAY 23

Science & Technologies behind Alternative Proteins



Chaired by:

Denis Chéreau is managing IMPROVE, PIVERT & ITERG offering R&D services, in Green Chem & Biotech, protein & plant-based fat processing with strong capabilities in oleo chemistry, analytics, human nutrition and environmental studies.

Session: Plant Based Proteins



Gilles Trystam - 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.



Marco Brawley-Tremblay - PIP International

Marco Brawley-Tremblay brings further successful experience in process automation management to PIP International with over two decades of experience in IT, industrial security and complex network integration applications.



Réjean Drouin - Cintech agroalimentaire

Réjean Drouin holds a doctorate and is the author of several publications and patents. He has experience in the biotechnology and food industry and held management positions in R&D and project portfolio in large agrifood companies.

Session: Alternative proteins



Thomas Jonas - Nature's Fynd

Thomas Jonas is Co-Founder and CEO of Nature's Fynd, which is a groundbreaking food tech company. The company's novel fermentation technology produces a sustainable, complete source of net new protein.



Frédéric Marier - Nutrimago

Frédéric Marier has studied agriculture at the Institut Technologique Agroalimentaire du Québec and at the Institut National d'Agriculture Biologique, and wants to be an actor of change in the agricultural field with a view to sustainability.



Mamou Diallo - Standing Ovation

Mamou Diallo is microbiologist by training, and joined Standing Ovation in 2021. She has been developing, with her team, the microorganisms and fermentation process to produce caseins at scale.



Sponsored by **GENOPOLE**

BREAKOUT SESSIONS 14h30 - 16h00

Session 1 - KETs to Optimize bioprocesses

 MAY 23



Chaired by: **Olivier Galy - Toulouse White Biotechnology**

Olivier Galy, doctor in biochemistry, was a researcher in the field of applied biocatalysis before participating in the initiation in 2012 of the French pre-industrial demonstrator TWB. Today he manages the technical facility of TWB.



Albert Mestre - Intemic

Albert Mestre, chemical engineer, started a software company that offers a web platform that allows companies to create digital twins of their (bio) processes to help them improve the efficiency of their operations by learning from their data.



Eric Emond - Kersia

Doctor Eric Emond is the International Biotechnology Director of Kersia.



François Coutte - University of Lille

François Coutte is Associate Professor in Biotechnology at the UMRt BioEcoAgro of the University of Lille. His research focuses on the production of secondary metabolites of microbial origin. He is the co-coordinator of an industrial chair for the valorisation of plants co-product by fermentation.



Paola Randazzo - Toulouse White Biotechnology

Paola Randazzo is Head of High throughput strain engineering platform in TWB. Expert in microbial genome engineering and synthetic biology, she collaborates on projects in HT strain construction, automated phenotypical and function screenings.

BREAKOUT SESSIONS 14h30 - 16h00

Session 2 - KETs for Extraction and Purification

 MAY 23



Chaired by: **Florent Allais - 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.



Alexander Kraus - GEA

Alexander Kraus has a long experience as Product Manager Sales for GEA Westfalia Separator - Centrifuges for chemical applications - Mechanical separation excellence for centrifugal equipment - GEA WS - Automation tank farm off-sites - Process Engineer.



Antoine Charbonneau - Novasep

Antoine Charbonneau is Process Manager for the American team and specializing on markets including Food, Functional ingredient and Bio industries (Fermentation) activities.



Akeem Gardner - Canurta

Akeem Gardner is a visionary entrepreneur and CEO of Canurta, specializing in biotech and botanical therapeutics. His leadership drives innovation and advances healthcare through plant-based solutions.



Annabelle Saint Pierre - Innofibre

Annabelle Saint-Pierre is a Developing Novel Extraction Technologies for Rare Polyphenols — benefits of Academic-Private Partnerships.

BREAKOUT SESSIONS 14h30 - 16h00

 MAY 23

Session 3 - KETs to Valorise the feedstocks of the future



Chaired by: Guillaume Lamy -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.



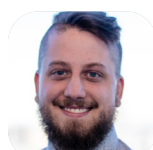
Julie Person - Microphyt

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, in project coordination and in corporate communication.



Catherine Bélanger - Biopterre

Catherine Bélanger, a biochemistry PhD, works at Biopterre where she specializes in waste valorization. She is passionate about using microorganisms to solve societal problems, with a specific focus on fungi.



Christian Euler - Phycus Biotechnologies

Dr. Christian Euler is an assistant professor at the University of Waterloo and co-founder of Phycus Biotechnologies, a fermentation company which produces green cosmetic ingredients using next-generation feedstocks.



Mark Gronnow - Biorenewable Development Center (BDC)

Mark Gronnow leads the BDCs Process Development Unit. His research interests are adding value to biomass, sugar platform and novel technology development whilst supporting businesses to scale up and commercialise their processes.

BREAKOUT SESSIONS 16h30 - 18h00

 MAY 23

Session 4 - KETs for the future in bioprocess development



Chaired by: Nancy Déziel - CNETE

Nancy Déziel is CEO of the National Center for Electrochemistry and Environmental Technologies (CNETE). She knows the industrial reality well and is committed to economic diversification, working in partnership and in a network.



Joshua Cloutier Beaupré - CNETE

Mr. Cloutier-Beaupré has been working in industrial bioprocesses for nearly 10 years. He specializes in the optimization of production in bioreactors as well as the scaling up of processes, including downstream treatment.



Millette Mathieu - Kerry Group

Mathieu Millette is a seasoned microbiologist, lecturer, scientific director for digestive and Heart health at Kerry, and leads a team of scientists dedicated to bringing forward science of probiotics and gut microbiome treatment.



Nicholas Gold - Genome Foundry

Nicholas Gold is Platform Coordinator at Concordia's Genome Foundry, a cutting-edge synbio automation lab, and has a MSc on proteomic analysis of bacterial cellulosomes and has been making cell factories under Dr. Vincent Martin for over a decade.



David Fabry - L'Oréal

David Fabry is a Senior Scientist at L'Oréal in Advanced Research. He holds a PhD in Organic Chemistry in the field of Green Chemistry. Prior to L'Oréal, has worked as post-doctoral researcher and assistant professor at Tokyo Institute of Technology on topics of solar fuels and photoactive materials.



Joël Sirois - Biointelligence Technologies

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

BREAKOUT SESSIONS 16h30 - 18h00

Session 5 - KETs to produce Nutraceuticals

 MAY 23



Chaired by: Laurent Bazinet - INAF

Dr Laurent Bazinet is professor at the department of Food Sciences at Université Laval and Chair of the Research Chair on Integrated valorization of coproducts by ecoefficient food technologies in the context of a circular economy.



Morgan Le Rouzic - Polytech Lille

Morgan Le Rouzic has a degree in dietetics and enriched with skills in analytical and organic chemistry during a degree in biochemistry. She joined Eurabiotech to carry out a PhD thesis in the framework of the Industrial Chair Charles Viollette.



Dmitri Boudovitch - Folium Labs

Dmitri Boudovitch, MBA, is a seasoned professional in supply chain, strategic management, and business consulting for wellness and natural health. Co-founder of a biotech firm in 2017 to enhance bioavailability of active ingredients.



Kim Doiron

Ms. Doiron has a Ph.D. degree in health biology, two Postdoctoral in marine microbiology and the valorization of marine co-products. She holds the position of research manager at Iso-BioKem.

BREAKOUT SESSIONS 16h30 - 18h00

Session 6 - KETs for a Circular Bioeconomy

 MAY 23



Chaired by: Cristina Marques - CRIBIQ

Cristina Marques has been working in the Quebec innovation ecosystem for over 25 years. She worked at the Centre de recherche industrielle du Québec (CRIQ) where she carried out various strategic intelligence mandates for Quebec companies.



Eli Eslami - Pyrowave

Ali Eslami is a project lead at Pyrowave in Canada, responsible for R&D activities, including microwave/conventional pyrolysis reactions and ultrafiltration/nanofiltration membrane processes.



Hela Benaissa - Dispersa

Hela Benaissa graduated in 2017 from the National Institute of Applied Sciences of Toulouse in Biochemical and Bioprocesses engineering. Before joining Dispersa, and obtained a PhD. in Chemical Biology from the École Normale Supérieure of Paris.



David Gagnon - Kemitek

Dr. David Gagnon has 20 years of experience in academic research and pharmaceutical industry as process development researcher. He joined Kemitek in 2022 aiming to be part of circular economy bright model.



Paul Servin - Xeros Technology Group

Paul Servin started his career with a PhD in macromolecules but these days he devotes his time to the reduction of humans' impact on the eco-system by highlighting unseen issues and addressing them with tangible solutions.



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CHAIRMAN & SPEAKERS

 MAY 24

Plenary Session :

The Greenhouse Gases Valorisation to Value-added Products: A circular economy approach to Climate Change



Chaired by: Meaghan Seagrave - Bioindustrial Innovation Canada

Meaghan Seagrave provides leadership to Canada's only green chemistry accelerator – Bioindustrial Innovation Canada. She is a nationally recognized leader in the bioeconomy and has been spearheading bio-based opportunities across the country for over a decade.



Keynote speaker: Ludo Diels - University of Antwerp

Ludo Diels, as Prof. emeritus at Antwerp University, is advisor at VITO, Processes4Planet, Biorizon, the World BioEconomy Forum, G-STC and the Scientific Council of the Nobel Peace Laureates secretariat.



Coraline Caultet - Carnot Institute

Coraline Caultet is a business developer for a Carnot, make the skills of laboratories and technical centers known, and facilitate contact with French research, with the aim of developing efficient and more environmentally friendly products and processes



Louis Fradette - Laval University

Louis Fradette is a chemical engineer who has worked equally in both academia and industry after completing a PHD in 1999.



Karel De Winter - Biobased Europe Pilot Plant

Dr. Karel De Winter is Head of Technology Development at the Bio Base Europe Pilot Plant. He's heading the R&D Department, with focus on bioprocess design, (gas)fermentation optimization, (in situ) product recovery, and biocatalysis.



Martin Laroque - Electro Carbon

Martin Larocque, As a passionate and results-driven entrepreneur, spent the past 20 years propelling green energy transition companies with the goal in mind to have a positive impact on society.



Ricardo Hamdan - Hitachi Zosen Inova

Ricardo Hamdan is Country Manager at Hitachi Zosen Inova Canada, specializing in Renewable Gas technology. Recent winner of the 2023 Biogas Champion Award.

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Workshop 1:

Green Science Transformation for a Sustainable Cosmetic Industry by L'Oreal



May 24

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L'ORÉAL

In 2020, L'Oréal have launched a new phase of its sustainability journey, building on Sharing Beauty with All, to take on greater responsibilities. L'Oréal for the Future ambition goes beyond transforming our company towards an increasingly sustainable business model.

Empowered by Green Sciences, L'Oréal strive to push the scientific boundaries to develop innovation pipelines with disruptive performance ingredients for consumers, but also contribute to a more sustainable future.

In its workshop, L'Oréal will bring together partners from academic research, manufacturers, down the supply chain to end users, to discuss the application of biomanufacturing, green chemistry, green extraction and processing, as well as sustainable cultivation as innovative means to produce sustainable materials, ingredients, and consumer products. Pressing challenges and lay out roads that bring L'Oréal closer to its goals will be identified.

- **James Clomburg** - Lanzatech
- **Markus Wolperdinger** - Fraunhofer Institute for Interfacial Engineering and Biotechnology
- **Miao Wang** - L'Oréal Advanced Research



Workshop 2:

Brazilian Bioeconomy



May 24

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Chaired by Thiago Falda - ABBI

Holder of the greatest biodiversity on the planet, Brazil has the potential to generate an additional income of US\$ 284 billion by 2050.

With this purpose ABBI (Brazilian Bioinnovation Association) presents in this workshop the current panorama of the Brazilian bioeconomy highlighting the legal framework with its opportunities and challenges, as well as tips on how to do business with Brazil in this sector.

Also in this workshop, you will be able to connect to the technological innovations of leading Brazilian companies in the national and international market such as Braskem and Suzano. Together with these companies, the workshop brings opportunities to develop research and innovation projects with the SENAI Institutes.

- **Brazilian Bioeconomy Overview** - Thiago Falda - ABBI
- **Braskem's Journey to a Sustainable Future** - Nei Sebastião Domingues Junior - Braskem
- **Developing technologies and products for the new bioeconomy - SENAI Innovation Institute for Biosynthetics and Fibers role** - João Bastos - SENAI Cetiqt
- **Suzano's biostrategy for a renewable future** - Ananda Sá Dias - Suzano



ABBI
BRAZILIAN BIOINNOVATION
ASSOCIATION

The Brazilian Bioinnovation Association (ABBI) represents companies and institutions worldwide leaders in advanced bioeconomy. The following ABBI members are represented on Bioket North America:



Braskem is the worldwide leader in the production of biopolymers from sugarcane. The company has 40 industrial units in Brazil, USA, Mexico and Germany, and exports its products to clients in more than 71 countries.



Suzano is the largest producer of eucalyptus pulp and a global reference in the sustainable use of natural resources. The company believe in eucalyptus to produce sustainable solutions for the world and their plantations can generate renewable raw materials for several businesses.



The SENAI Innovation Institute for Biosynthetics and Fiber is an applied research center, part of SENAI Innovation network, focused on developing technologies and products for the new bioeconomy. The institute has conducted more than 200 innovation projects to more than 100 customers in only 7 years and believes in the Brazilian potential to develop and host a sustainable and low carbon industry.

Visit us on booth 27 on Bioket North America

INNOVATION TOURS

GROUPE BELLEMARE



May 24



On site, visitors will be able to observe the recycled glass processing plant, facilities considered to be among the most efficient in Quebec. Visitors will also be able to make a brief visit outside the sorting center to observe the recovery and recovery operations for CRD residual materials.

BELLEMARE

We recover and recycles a wide variety of construction, renovation and demolition materials. We offer innovative solutions for sustainable development and environmental protection.

groupebellemare.com

Convert CRD waste into high value-added products



INNOVATION TOURS

CNETE



May 24



The visit to the main site of the National Center for Electrochemistry and Environmental Technologies – CNETE will allow you to visit high-tech laboratories, renovated in 2019. The site includes equipment worth 10 million dollars dedicated to applied research and technology transfer in the fields of molecular biology, genetic engineering, fermentation (laboratory and pre-pilot scale) as well as the chain of concentration, purification and formulation of bioproducts. The main industrial sectors of the customers are pharmaceuticals, environmental technologies, bio-detergents, platform biomolecules, renewable energies, human and animal food.

INNOVATION TOURS

ULYSSE



May 24



Visitors will have the opportunity to meet the members of our research and production team of bacterial products and various bioingredients, to see our installations in the R&D laboratory and our different fermentation and formulation units.

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10M\$ d'équipements de laboratoire et des chercheurs d'expériences à votre service

Votre porte d'entrée pour développer des bioprocédés intelligents en Amérique du Nord



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UB Ulysse Biotech

Poussé par la science

Développeur & producteur de solutions biotechnologiques à base de microorganismes ou de molécules issues de la chimie verte pour les secteurs de l'agroalimentaire et de l'hygiène.





Innofibre

Centre d'innovation
des produits cellulésiques

Cellulosic products innovation center



Development and scaling-up of biobased products



INNOVATION TOURS

INNOFIBRE / UQTR



May 24



Visitors will take a tour of the facilities, including laboratories on biobased material for energy applications and advanced material for environment in addition to two unique pilot plants for cellulosic products development and biomass valorization.

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INSTALLATIONS DE POINTE

COME AND VISIT OUR
STATE-OF-THE-ART FACILITIES



Université du Québec
à Trois-Rivières



INNOVATIONS INSTITUTE
in Ecomaterials, Eco-products
and Ecoenergies biomass based
UQTR



CHAIRMAN & SPEAKERS

BREAKOUT SESSIONS 09h00 - 10h30

Session 7 - KETs for Biomass pretreatment and conversion

 MAY 25



Chaired by: Lynne Finnerty - BIO

Lynne Finnerty is a director of communications at BIO, which represents more than 1,000 companies in healthcare, agricultural, industrial and environmental biotechnology.



**Lionel DANOS – Market Manager
Green Industries & Biomass**

Lionel Danos, MSc, Pulp & Paper Engineering (PAGORA-Grenoble-Int'l French School of Paper & Biomaterials) has over 28 years of experience in extrusion of lignocellulose based products. He is Market Manager for Green Industries & Biomass at Clextal.



Simon Langlois - Innofibre

Simon Langlois graduated from Université Laval as a chemical engineer in 1990. He joined DuPont de Nemours, the same year. After his retirement in 2015, Mr Langlois acquired biocharcoal factories and he is also a researcher at Innofibre.



Kevin Amrani - Resolute

Kévin Amrani is a young engineer at URD ABI. He is working on the scale-up of Cyrene™ production from Levoglucosenone (LGO) by enzymatic way for the ReSolute project.



Yvon Nadeau – ONYM

Yvon Nadeau is the founder and CEO of Groupe ONYM. He has over 30 years of professional experience as a renewable energy producer, developer, policy advisor and managing director in various organizations.



INNOVATE IN INDUSTRIAL BIOTECHNOLOGY

STIMULATE INNOVATION

At Genopole, we seek to sound new knowledge, for the development of innovations that will contribute to human well-being, as concerns health and the environment.

The main fields of activity developed on-site are:

- ∞ bioeconomy,
- ∞ innovative therapies,
- ∞ computational genomics.

LINKING SCIENCE... ...TO BIOECONOMY

A pioneer in synthetic biology, Genopole is increasingly attracting researchers and industrials active in that field and the progress being made is enabling a large range of industrial applications.

Genopole,
France's leading biocluster
in the Paris Region,
accommodates, accompanies and
connects companies and laboratories
in all fields of biotechnologies.



A NETWORK OF SCIENTISTS AND INDUSTRIALS

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Faircraft - Global Bioenergies - Glowee - Kyron -
Metabolic Genomics Laboratory - NextProtein - Nutropy -
Plantik - Quantoom Biosciences - Safe Insight - STH Biotech -
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Genopole benefits from the support of



BREAKOUT SESSIONS 09h00 - 10h30

Session 8 - KETs for Biocatalysis

 MAY 25



Chaired by: Eric Peterson - INRS

Eric Peterson is an interdisciplinary researcher focused on fostering practical approaches for moving society towards a sustainable circular paradigm. He does so by incorporating elements of plant science, microbiology, and engineering.



Rénato Froidveaux - University of Lille

Renato Froideveau is leader of Biotransformation/Biocatalysis and Enzyme team in BioEcoAgro cross boarder laboratory. In collaboration with chemists, he develop hybrid catalysis concept dedicated to biomass valorization.



Thu Vuong - YZymes / University of Toronto

Dr. Thu Vuong is the CSO and a co-founder of YZymes (enzymatic solutions to valorize underused biomass into biochemicals). He is also a Sr. Research Associate (ChemEng) at the University of Toronto.



Alexis Vlandas - Zymoptiq

Alexis Vlandas is Chief Scientific Officer at ZYMOPTIQ since 2019. After a doctorate in Material Sciences at the University of Oxford he has worked on several novel nanosensors technologies first at the Max Planck and then at CNRS.



Alain Thibodeau - CTVB - Centre de transformation et de valorisation de Bioproduits

Dr. Alain Thibodeau obtained a PhD degree in cellular and molecular biology from Laval University in Canada. He then undertook a post-doctoral stage at the University of California, at Berkeley, in cellular and physiological biology. He joined Boreaceutique in 2023.

BREAKOUT SESSIONS 09h00 - 10h30

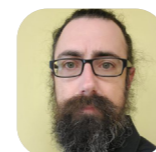
Session 9 - KETs to produce Biobased Materials

 MAY 25



Chaired by: Anis Ben Amor - Natural Products Canada

Anis Ben Amor fulfills NPC's mandate to advance bio-based innovation across a range of industries. He works with Quebec-based start-ups and innovators, and international investors and corporations seeking Canadian innovation.



Danick Godin - Enerlab

Danick Godin is currently R&D and technical director at Enerlab 2000inc. Prior to joining Enerlab in 2016 he held product development at Archer Daniels Midland. He has a Bachelor of Science degree in Biochemistry from the Université du Québec a Montréal.



Paul Boudreault - Bosk Bioproduct

Paul Boudreault is the founder and President of BOSK BIOPRODUCTS, commercializing REGENTM, a compostable bioplastic based on their FLEX-CARBONTM fermentation technology producing biopolymers from industrial by-products.



Léo Staccioli - Arditec

Léo Staccioli is a Project Engineer working for the ARDITEC association in Nice, France. He's leading the sustainability assessments of several collaborative projects developing innovative processes/products in different areas.



Fisher Geoffrey - PERFORMANCE BIOFILAMENTS

Mr. Geoffrey Fisher has focused on advanced materials innovation and commercialization for over 23 years for applications including defense, aerospace, automotive, infrastructure, renewable energy, advanced manufacturing, and other high-performance domains.

Closing plenary Session :

State of Challenges and strategy to commercialize Lignocellulosic based high added value products

 MAY 25



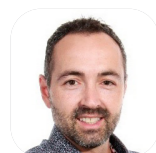
Chaired by: Jean-Philippe Jacques - Innofibre

Mr. Jean-Philippe Jacques holds a bachelor's degree in mechanical engineering and a master's degree in energy and materials science. His expertise and leadership led Mr. Jacques at the position of CEO at Innofibre in January 2018. He collaborates with his team to accelerate the technological develops of biobased products and bioprocess.



Keynote speaker: Markus Wolperdinger - Fraunhofer IGB

Markus Wolperdinger is director of the Fraunhofer IGB. He has 25+ years of experience in management positions and applied research. He is vice-director of the German Bioeconomy Council and head of several bioeconomy activities at Fraunhofer.



Frédéric Perreault - Cascade

Always focused on creating value through R&D and Innovation, Frederic manages a team of 50 multidisciplinary scientists deeply involved with 80 production sites across Cascades in North America.



Gerd Unkelbach - UPM Biochemicals

Gerd Unkelbach studied chemistry and has been working on the material use of renewable raw materials since 2005. After roughly 20 years in different positions at the Fraunhofer-Gesellschaft he changed mid 2022 to UPM.



Davis Chiu - Paper Excellence

Davis Chiu is a seasoned innovation professional with over 19 years of combined experience in advanced research, operations and innovation. He is a proud second generation Canadian forest products professional.



Ananda Sá Dias - Suzano

Ananda Sa Dias is Graduated in Chemical Engineering with an MBA in Business Management, Entrepreneurship and Innovation, currently working as New Business Manager at Suzano. She has more than 14 years of experience in Procurement, Marketing and Sales.

L'ORÉAL

RESEARCH & INNOVATION

L'Oréal covers all product categories to meet each person's specific beauty aspirations. Green Sciences are the scientific disciplines that we are harnessing to meet our sustainability goals while offering safe and effective products.

*Green Sciences:
our new scientific and
sustainable revolution*

*We believe Nature is
the future of beauty*

Join us at our workshop

“Green Science Transformation for a Sustainable Cosmetic Industry”

- to learn how Green Sciences enables the transformation towards Sustainable Beauty.
- to engage and discuss with partners from research, manufacturers, and end-users.



We draw inspiration from nature to accelerate our innovation



We work daily for more natural products without compromising on safety and performance



We are committed to creating a more responsible beauty to limit our impact

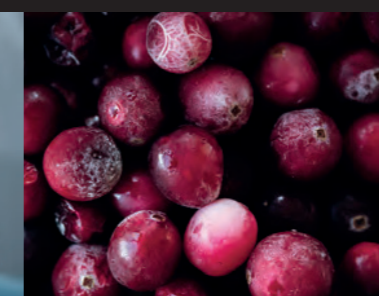
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AGROALIMENTAIRE

At Cintech agroalimentaire, we strive to fulfill the new expectations of consumers, and of society in general, in terms of food and the technological needs of the industry to accelerate its development.



Technology accelerator

To provide quick access to the various technologies that food-processing companies need.



Generator of food-processing progress

To make research and development activities accessible and adapted to the challenges of the food-processing sector.



Builder of innovation ecosystems

To pool skills, resources and initiatives between the various players in the food-processing industry and other sectors.

EXHIBITION FLOORPLAN



- 1 - Zeton
- 2 - CEBB
- 3 - Scientific Bioprocessing,
- 4 - lmean
- 5+6 - MRC des sources
- 7 - Boccard
- 8 - Syngulon
- 9 - CNETE
- 10 - Alliance

- 11 - Novasep
- 12 -
- 13 - Beckman
- 14 - CDEVr
- 15 - Laporte
- 16 - TWB
- 17 - Getinge
- 18 - Enerlab 2000
- 19 - BBEU

- 20 - Kemitek
- 21 - Tami/Silva
- 22 - Clestral
- 23 - Invest Lab
- 24 - ARD
- 25 - Bellemare
- 26 - Carnots
- 27 - Brésil
- 28 - Innofibre

- 29 - Genopole
- 30 - Cribiq
- 31 - L'Oréal
- 32 - Hauts-de-France
- 33 - IDETR et B4C
- 34 - UQTR
- 35 - BioIntelligence Technology
- 36 -

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MEET OUR SPONSORS

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PLATINUM



The Carnot network develops partnerships between academic structures and socio-economic players, mainly industries from SMEs to large corporations to serve their needs. For innovation in Bioeconomy, Carnots 3BCAR, Chimie Balard Cirimat, MICA, and i2C will be your favorite partners for your R&D projects. Meet us at our booth!



Innofibre – Cellulosic Products Innovation Center, collaborates with companies, public organizations and research institutions for the development and scaling of biobased products and bioprocesses. Innofibre's mission is to contribute to the development of the bioeconomy by supporting SME and large companies in innovation with development and scaling-up of biobased products.



Desjardins Group is the largest cooperative financial group in Canada, and one of the largest employers in the country. It offers a full range of financial products and services and is home to a wealth of expertise in property and insurance, wealth management, services for businesses and much more.



Genopole, France's leading biocluster in the Paris Region, accommodates, accompanies and connects businesses and laboratories in all fields of biotechnologies.

Genopole is increasingly attracting researchers and industrials active in the field of synthetic biology and the progress being made is enabling a large range of industrial applications.

GOLD



ITERG – IMPROVE – PIVERT are French R&D centers experts in fats, proteins, green chemistry, biotechnologies, environmental and nutritional studies. Our goal is to valorize biomasses at industrial scale.



ARD is a service company in precision fermentation & fractionation. ARD is a unique platform, from lab, to pilot, Demo & commercial quantities, to industrialize processes for world-class partners.



Groupe Bellemare recovers and recycles a wide variety of construction, renovation and demolition materials. We offer innovative solutions for sustainable development and environmental protection.



Since 1986, Cintech agroalimentaire strive to fulfill the new expectations of consumers, and of society in general, in terms of food and the technological needs of the industry to accelerate its development.



CNETE carries out applied research, technical assistance and training activities with companies to contribute to the development of environmentally friendly bioprocesses and bioproducts with 9 technological platforms.



Leaf, business unit of Lesaffre, is a global key player in industrial biotechnology to enable a better future. We develop industrial microorganisms and processes that allow renewable productions.

L'ORÉAL

L'Oréal covers all product categories to meet each person's specific beauty aspirations. Green Sciences are the scientific disciplines that we are harnessing to meet our sustainability goals while offering safe and effective products.



The Université du Québec à Trois-Rivières is a higher learning establishment that promotes research and training activities related to the environment and the energy transition.

SILVER



Applexion provides purification services and technologies, serving industrial biotechnology customers to help them lowering their carbon footprint.



Beckman Coulter Life Sciences is a global resource for life science researchers, industrial and environmental technicians, and pharmaceutical and biomedical scientists.



BIC is a national business accelerator that provides critical strategic investment, advice & services to developers of clean, green, and sustainable technologies.



Braskem is the largest petrochemical company in the Americas and the world's leading biopolymer producer from sugarcane.



The SENAI Innovation Institute for Biosynthetics and Fiber is an applied research center, part of SENAI Innovation network, focused on developing technologies and products for the new bioeconomy.



Natural Products Canada (NPC) offers advice, programs and capital (via NPC Ventures) to Canadian bio-based innovators; and connections and scouting to industry & investors.



Suzano is the world's largest pulp producer and one of the largest paper producers in Latin America. The company is a reference in sustainable and innovative solutions and products from renewable sources.

BRONZE



Bio Base Europe Pilot Plant: a state-of-the-art pilot facility for process development, scale-up and custom manufacturing of innovative biobased products and processes.



Boccard Ingredients & biotechnology have strong expertise in fermentation, bioreaction, membrane filtration, mechanical separation and purification, hygienic and aseptic process design.



The Cité de l'innovation circulaire is a territorial initiative that supports the business community in its transition towards circularity and continuous innovation.



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



Getinge provides hospitals and life science institutions with products and solutions that aim to improve clinical results and optimize workflows.



Kemitek is a Technology Access Center (TAC) specialising in green chemistry and process scale-up. We help industries in their innovation projects.



Laporte provides high-value engineering services for bioindustrial, pharmaceutical and agrifood facilities.



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



TAMI INDUSTRIES is one of the world leaders in ceramic membranes for crossflow filtration.

SIVA develops & manufactures custom-size units in crossflow filtration from MF to RO for all industries.



As an expert in leading research and development (R&D) projects, TWB supports industry players in developing innovative solutions for the benefit of people and the planet.

EXHIBITION



START-UP VILLAGE

A3P

Intemic
AI for process optimization

CLIMICALS

FLAURA
cuir végétal

Tri-Énergie

CaCO₃ Biotech

ZYMOPTIQ Quantifying Enzymes will be on the Hauts-de-France desk (n°32)

BIOKET

PROCESSES AND TECHNOLOGIES to turn BIOMASS into High Added Value Products

March 19-20-21, 2024
Reims, France



PARTICIPANT'S LIST AS OF MAY 2, 2023

AFRD Georgia	Carnot i2C	EBR inc.	Innofibre	Natural Products Canada (NPC)	Tami Industries – SIVA
Agro Innovation International - Timac Aggro	Carnot Institute ICCBC	Electro Carbon Inc.	Institut Carnot Chimie Balard Cirimat	Nature's Fynd	The invest lab
Alliance : Itegr - Pivert – Improve	Carnot MICA	Enerlab 2000inc	Institut de technologie des emballages et du génie alimentaire	Nord France Invest	TWB - Toulouse White Biotechnology
Aplantex	Cascades R&D	Eurabiotech	Institut national de la recherche scientifique	Nova Scotia innovation hub	University of Antwerp
ARD	CCI GRAND EST	Eurodia USA	Intemic	Nutrimago	Univerity of Laval – INAF – Insitut sur la Nutrition et les Aliments Fonctionnels
Arditec	CDEVR	Export Development Canada	Invest in Toulouse	Olon	University of Lille
Aremd Cameroon	CEBB - Centre Européen de Biotechnologie et de Biéconomie	FIT Montreal	IPSB	Paper Excellence Canada	University of New Brunswick
Associação Brasileira de Biotecnologia Industrial	Centre canadien sur la fibre de bois	Flanders Investment & Trade	Kemitek	Performance biofilaments	Universiy of Québec Trois-Rivières
Applexion	Centre d'études des procédés chimiques du Québec	Fluid Air	Kerry Group	Phycus Biotechnologies	UPM-Kymmene Oyj
BASF Canada	Centre national en électrochimie et en technologies environnementales	Fonds Écoleader	Kersia Canada	PIP International	URD ABI – AgroParisTech
Bio A3P	Centre Fraunhofer Institute for Interfacial Engineering and Biotechnology IGB	GEA Westfalia Separator	Kruger	Polytechnique Lille	Ville de Trois-Rivières
BBEU - Bio Base Europe Pilot Plant	Chambre of Commerce and Industries of Trois-Rivières	Genecis Bioindustries, Inc.	LanzaTech	Premier Tech	Vito
Beckman Coulter Life Sciences	Cintech agroalimentaire / Clextal	Génome Québec	Laporte	Prima Québec	Xeros Technology Group
Bioindustrial Innovation Canada	CNETE	Genopole	Leaf - Lesaffre International	Pyrowave	Yvon
BioIntelligence Technologies Inc.	Concordia Genome Foundry	Getinge	Les Entreprises Caneptha Ltée	Region Grand Est	YZymes
Bioneed	Conseil Régional Grand Est	Groupe Bellemare	L'Oréal	Resolute	Zeton Inc
Biopierre	CRIBIQ - Consortium de recherche et innovations en bioprocédés industriels du Québec	Groupe de recherche en environnement et biotechnologie- Cégep de Rivière-Du-Loup	Marka Farming	Sartorius Stedim NA	Zymoptiq
Biorenewables Development Centre	Consulat Général de France à Québec	Groupe InnuScience Inc	MELCCFP	SAS V.E.R.A	
Boccard Ingredient & Biotechnology	CTVB	Groupe ONYM	Microphyt	Scientific Bioprocessing	
Bosk Bioproducts	CycleCarbone Inc.	Hitachi Zosen Inova Canada Ltd	Ministère de l'Économie, de l'Innovation et de l'Énergie	Senai Cetiqt	
Braskem	Desjardins	HZ Inova	Ministère des Ressources naturelles et des Forêts (MRNF)	Services Sapizka inc.	
Canurta Inc	Dispersa	IBISBA	MRC des Sources	Soluce fiscalité et comptabilité inc	
Carbonaxion Bioénergies inc.	E5 Solutions Consulting	iMean	MRC Domaine-du-Roy	Standing Ovation	
Carnot 3BCAR				Suzano S.A	
				Syngulon	

Bioket thinks about the planet and reduces its carbon footprint

As part of the preparation for BIOKET, many initiatives have been put in place to reduce the environmental footprint of the event. In terms of supply, the team made sure to favor local suppliers, favoring local purchasing. In addition, the lanyards given to each participant are made of recycled plastic and the badges are made of FSC-certified cardboard without a plastic envelope. The bags offered to participants are reusable and are made of organic cotton. To reduce the impact of individual transportation, shuttles have been offered to participants arriving from Pierre-Elliott Trudeau airport in Montreal. On site, reusable cutlery is provided for meals to avoid single-use products. Finally, televisions were preferred over printed signage. A symbolic GHG compensation will also be made at the end of the event with the local carbon exchange.

Practical information

CECi Trois-Rivières:

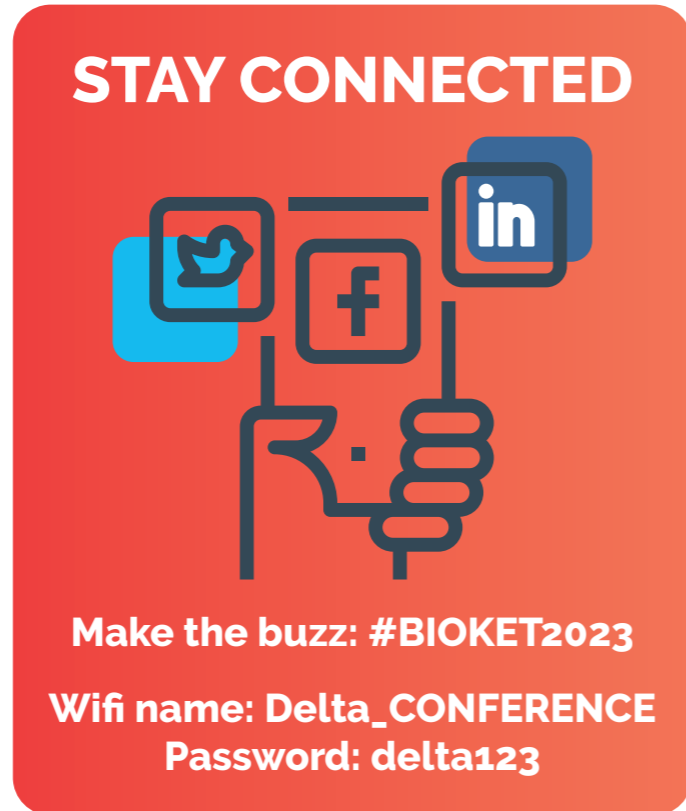
1620 Rue Notre Dame Centre
Trois-Rivières, QC G9A 6E5
Canada

Transfers to airport:

Thursday May 25: 2 shuttles
- 14h30
- 15h00
(with a stop at Montreal Bus station / Berri)

Friday May 26 : 2 shuttles

- 6h00
- 11h30



Notes

BIOKET  North
America

2023

The global conference dedicated to
PROCESSES AND TECHNOLOGIES
APPLIED TO BIOMASS

MAY 23-24-25, 2023
TROIS-RIVIÈRES, QC, CANADA

Organized by:



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