



« Green Chemistry - White Biotechnology: (BIO-)Polymers and Ecocircularity: From Challenges to Opportunities »

Université Libre de Bruxelles, May 8th, 2019

08H30 WELCOME

09H30 **INTRODUCTION - OPENING WELCOME**

PROF. FRANCOIS RENIERS, PROFESSOR OF CHEMISTRY, UNIVERSITE LIBRE DE BRUXELLES(ULB)

09H40 «**REGIONAL AUTHORITIES** »

TBC

Session 1. Building Blocks and Biobased Materials from CO2

9H55 «**BIO-BASED AND CO2-BASED POLYMERS - MARKETS, FRAMEWORKS, HURDLES AND OPPORTUNITIES**»

M. ACHIM RASCHKA, HEAD OF TECHNOLOGY & MARKETS DEPARTMENT, NOVA INSTITUTE, GERMANY

10H15 «**CO2 AS A RESOURCE: HOW TO BUILD THE CARBON CAPTURE & UTILISATION (CCU) INDUSTRY IN EUROPE**»

M. DAMIEN DALLEMAGNE, SECRETARY GENERAL, CO2 VALUE EUROPE

10H35 «**CATALYZING A CO2-NEUTRAL SOCIETY**»

PROF. MARK SAEYS, LABORATORY FOR CHEMICAL TECHNOLOGY, GHENT UNIVERSITY

10H55 «**XXXXXXXX**»

SOLVAY (TBC)

11H15 COFFEE BREAK / EXHIBITION AND POSTERS SESSION

Session 2. Policy

- 11H45 **«BELGIAN PLASTIC INDUSTRY: CHALLENGES»**
DR. OLIVIER VAN VOLDEN, ESSENSCIA POLYMATTERS - ESSENSCIA
- 12H05 **TRANSITION TOWARDS SUSTAINABLE CHEMISTRY: ACTOR DYNAMICS AND PROSPECTIVE SCENARIOS OF GREEN CHEMISTRY IN BELGIUM»**
M. YVES MARENNE, SCIENTIFIC DIRECTOR, INSTITUT DE CONSEIL ET D'ETUDES EN DÉVELOPPEMENT DURABLE (ICEDD)

12H30 WALKING LUNCH/EXHIBITION AND POSTERS SESSION

Session 3. Innovative applications

- 13H30 **« VALORIZATION OF AGRO BYPRODUCTS AND WASTE WATERS BY THE EXTRACTION OF HIGH ADDED VALUE MOLECULES FOR INNOVATIVE APPLICATIONS IN VARIOUS INDUSTRIAL SECTORS»**
M. STEPHANE KOHNEN, PROJECT MANAGER FOOD TECHNOLOGIES - EXTRACTION DEPARTMENT, CELABOR
- 13H50 **«BIO-SOURCED ORGANIC SEMICONDUCTING MATERIALS BIORG-EL»**
PROF. ROBERTO LAZZARONI, CHEMISTRY, UNIVERSITY OF MONS (UMONS)
- 14H10 **«TITLE TO BE CONFIRMED»**
PHD SIMONA NERI, PROJECT COORDINATOR, IRIS TECHNOLOGY SOLUTION

Session 4. End of life cycle/Recycling

- 14H30 **«PLASTIC WASTE TO PLASTIC VALUE»**
PROF. DR.-ING. LARS M. BLANK, CHAIR OF APPLIED MICROBIOLOGY, IAMB - INSTITUTE OF APPLIED MICROBIOLOGY, ABBT - AACHEN BIOLOGY AND BIOTECHNOLOGY, RWTH AACHEN UNIVERSITY »
- 14H50 **«PEPIT - POLYMERS ECOCIRCULARITY PLATFORM FOR AN INDUSTRIAL TRANSITION»**
MRS. LESLIE DESCAMPS, INNOVATION PROJECT MANAGER, GREENWIN
- 15H10 **«ROLE OF A VIRGIN POLYMER PRODUCER IN THE RECYCLING OF PLASTICS»**
M. THIERRY SAUDEMONT, BUSINESS DEVELOPMENT MANAGER RECYCLING, TOTAL REFINING & CHEMICALS
- 15H30 **«CREATING CIRCULAR ECONOMY IN FOOD PACKAGING»**
M. JEAN-CHRISTOPHE DOBBELAERE, COUNTRY MANAGER, FAERCH PLAST AS

16H00 **NETWORKING COCKTAIL (UNTIL 18H30)**

16H00 **Workshop & Meetings**

16H00 - 18H00 **WORKSHOP**

- **PSYCHE INTERREG PROJECT**

The overall goal of PSYCHE is to produce building blocks (olefins) from plastic waste to be reused by the chemical industry. Specifically the project aims at developing and demonstrating an innovative technology to gasify various plastic wastes fluxes. The syngas produced will then be converted in building blocks through Fischer-Tropsch reaction. The technical feasibility, economic viability and ecological impact (LCA) of the conversion process will be assessed.

This FWVL Interreg project gathered complementary expertises regarding chemical recycling of plastic wastes for a successful transfer to industrial in the region.

16H00 - 18H30 **BILATERAL MEETINGS**
PRE-ARRANGED (15 MIN/MEETING)

« Green Chemistry - White Biotechnology: (BIO-)Polymers and Ecocircularity : From Challenges to Opportunities »

Université Libre de Bruxelles, May 9th, 2019

08H30 **WELCOME**

09H30 **INTRODUCTION - OPENING WELCOME**

MRS. VERONIQUE GRAFF, MANAGING DIRECTOR, GREENWIN

Session 1. Alternative raw materials

09H45 «**BIOPLASTICS: OPPORTUNITIES AND CHALLENGES**»

*PROF. RAMESH PADAMATI, SENIOR RESEARCH FELLOW, POLYMER MATERIALS RESEARCH UNIT,
TRINITY COLLEGE OF DUBLIN, IRELAND*

10H05 «**LACTIPS: FROM LAB SCALE TO THE INDUSTRIALIZATION OF A THERMOPLASTIC
MATERIAL FROM MILK PROTEIN**»

M. FREDERIC PROCHAZKA, CO-FOUNDER AND SCIENTIFIC DIRECTOR, LACTIPS

10H25 «**LOOPLA, THE SOLUTION TO UPCYCLE OLD PLA INTO VIRGIN PLA** »

M. FREDERIC VAN GANSBERGHE, CEO, FUTERRO

10H45 «**THE MOMENT DURABLE PLASTICS BECAME TOO DURABLE FOR THIS WORLD**».

M. STEFAAN DE WILDEMAN, DIRECTOR, B4PLASTICS

11H05 «**AGRICHEMWHEY: AN INTEGRATED BIOREFINERY FOR THE CONVERSION OF DAIRY
SIDE STREAMS TO HIGH VALUE BIO-BASED CHEMICALS**».

M. BILL MORRISSEY, PROCUREMENT MANAGER, GLANBIA INGREDIENTS IRELAND LIMITED

11H25 **COFFEE BREAK / EXHIBITION AND POSTERS SESSION**

Session 2. Process

11H55 « **BIOPROCESS SCALE-UP/DOWN** »

MR. STEPHAN FREYER, CHEMICAL ENGINEERING INDUSTRIAL BIOTECHNOLOGY, BASF SE

12H15 « **ALPO - BIOPLASTICS FROM MICROALGAE CULTURES** »

M. LAURENT DEWASME, RESEARCH COORDINATOR, UNIVERSITY OF MONS

12H35 « **BEYOND MINIATURIZATION AND PARALLELIZATION: STANDARD AND TAILOR-MADE AUTOMATED WORKFLOWS FOR SMART MICROBIAL PHENOTYPING AND BIOPROCESSING** »

PROF. DR. MARCO OLDIGES. HEAD OF DEPARTMENT BIOPROCESSES AND BIOANALYTICS. ADDRESS. FORSCHUNGSZENTRUM JÜLICH GMBH. INSTITUTE OF BIO- AND GEOSCIENCES, GERMANY

13H00 **WALKING LUNCH/EXHIBITION AND POSTERS SESSION**

Session 3. Societal challenges

14H00 « **DESIGNING TODAY FOR A SUSTAINABLE TOMORROW** »

M. PIETER WILLOT, MANAGER SUSTAINABLE PACKAGING & MATERIALS, DESTER BVBA

14H20 « **POSTGRADUATE PRESENTATION** »

14H40 « **POSTER AWARD AND CONCLUSION** »

PROF.DAVID CANNELLA, ASSISTANT PROFESSOR, BTL - BIOMASS TRANSFORMATION LAB, ULB

15H00 **NETWORKING COCKTAIL (UNTIL 16H30)**

15H30 « **LABS TOUR** » - **VISIT CMMI & CM2**

15h30 - 17H30 **WORKSHOP**

- **AgriChemWhey Project – Workshop**

The EU funded project AgriChemWhey (22 million euros BBI funding) aims at tackling the whey disposal issues faced by the milk industry by converting whey low value residues into high value bio-based chemicals at industrial scale, including lactic acid and polylactic acid.

In the framework of the conferences, ACW is holding a workshop around PLA valorization and biomaterials in collaboration with other BBI projects. Moreover, the workshop aims at interacting with local stakeholder along the whole value chain (from dairy to biomaterials) to consider the project replication potential in the Walloon region.