PARTNERSHIP PROPOSAL

INTERNATIONAL CONFERENCES ON

Green Chemistry & White Biotechnology,

23 AND 24 MAY 2018 AT THE UNIVERSITY OF LOUVAIN-LA-NEUVE

GREEN WIN
CHEMICAL ENGINEERING & MATERIALS IN WALLONIA

ABOUT THE ORGANISERS

GREENWIN

Innovation, the driving force for growth in Wallonia

Innovation clusters are an important tool in the economic development of Wallonia, through public-private partnerships between companies, universities, research centres, training centres and public partners. Their purpose is to support innovation and sets up collaborative research and development (R&D), investment or training projects, with a view to growing businesses and creating jobs in key markets.

GreenWin: Accelerating innovation in the environment sector

GreenWin is a catalyst for innovation. It is one of the 6 innovation clusters in the Walloon Region. GreenWin nurtures the development of technology partnerships and projects, focusing on three strategic areas: sustainable chemistry, sustainable materials & construction and environmental technologies (recycling; clean water, soil and air).

The purpose of the cluster is to support innovation and encourage the development of collaborative research and development (R&D) projects with a view to boosting the growth of the industrial fabric of Wallonia and creating jobs in key markets.

By striving to bring more efficient environmental technologies to the market, GreenWin focuses its work on improving the lifecycle of products by saving materials and energy, recycling and using renewable resources.

Within the areas in which it works, GreenWin endeavours to tackle major technological challenges, such as green chemistry, white biotechnology, chemical energy storage, reducing CO_2 emissions, sustainable development, processing waste and effluents and recycling them as new raw materials.

When it comes to results, GreenWin has 34 accredited projects (29 R&D, 1 invest, and 4 training) funded by the Walloon Region, for a total budget of more than 85 million Euros.

AREAS OF ACTIVITY AND TARGET MARKETS

GreenWin

1. Sustainable chemistry
2. Sustainable materials & construction
3. Environmental technologies (recycling; clean water, soil and air)

Target countries: Belgium, Denmark, France, Germany, Luxembourg, the Netherlands, Romania, Russia, Sweden, Switzerland, Brazil, Canada etc.

MEMBERS OF GREENWIN

GreenWin encompasses a network with around 200 members, almost 150 are companies (75% SMEs), including a number of world leaders, 140 university departments, 15 industrial research centres, 6 training providers and communities. They are all involved in boosting the green economy and motivated by the opportunities presented by pooling skills and sharing resources.

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UCLOUVAIN

UCL'S 3000 RESEARCHERS WORK IN CLOSE COLLABORATION WITH BUSINESSES, THE PUBLIC SECTOR AND INTERNATIONAL BODIES. THEY ARE SPREAD ACROSS 21 RESEARCH INSTITUTES, INCLUDING THE EARTH AND LIFE INSTITUTE, THE INSTITUTE OF CONDENSED MATTER AND NANOSCIENCES, AND THE INSTITUTE OF MECHANICS, MATERIALS AND CIVIL ENGINEERING, ALL THREE INVOLVED IN THE FIELDS OF GREEN CHEMISTRY AND WHITE BIOTECHNOLOGY.

IN THESE FIELDS, UCL'S RESEARCH LEAD TO SEVERAL TECHNOLOGY TRANSFERS AMONG THESE THE CREATION OF SPIN-OFFS.

UCLOUVAIN

EARTH & LIFE INSTITUTE / APPLIED MICROBIOLOGY (ELIM)/ BIOENGINEERING LABORATORY (GEBI)

The Applied Microbiology (ELIM) cluster aims to valorise the useful metabolic, biochemical and technological properties of the "good" microorganisms, while controlling the deleterious effects of food and plant pathogens through integrated strategies including bio-control and bio-preservation.

The research activities developed by the Bioengineering team deal with the physical, (bio)chemical and (micro)biological conversion processes that allow to use biomass and biowastes as valuable renewable resources to sustainably produce platform chemicals and biofuels, as an alternative source of organic chemicals and fuels derived from fossil resources like oil or coal. The research performed in our group covers several aspects of bioengineering in the field of biorefining and environmental biotechnology:

- *Characterization:* feedstocks to be valorized (lignocellulosic biomass, halophytic species, bio-waste, etc); (bio)processed materials; waste, contaminated soil and water to be bioremediated.
- *Upstream processing:* physico-chemical and biological treatments applied to fractionate biomass and generate intermediates (e.g. organosolv delignification, extraction, "electro-fractionation", enzymatic hydrolysis, etc);
- *Conversion and fermentation processes* with chemical, enzymatic and biological catalysts), applied to produce high-value bio-based chemicals, fuel & fuel additives, food additives and purified botanical extracts;
- *Downstream processing:* physical and chemical refining processes to recover, purify and valorize the synthesised bioproducts.
- *Environmental biotechnology:* bioconversion and biodegradation of pollutants, bioremediation processes.

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UCLOUVAIN

INSTITUTE OF MECHANICS, MATERIALS AND CIVIL ENGINEERING / MATERIALS & PROCESS ENGINEERING (IMAP)

The objective of the pole Materials and Processes Engineering (IMAP) is to develop an integrated and multidisciplinary research of the full life cycle of materials, from chemical processing to recycling, including the processes control and materials characterization. An integrated view of the entire life cycle of a product is a necessary prerequisite to the establishment of effective sustainable development strategies.

The necessity to address performance in its environmental, economical, technical, social and even aesthetical levels is now universally admitted. This is called life cycle engineering. The best product to meet a given need is that which may be obtained with low-cost and green processes, and which may be inspected, replaced and easily recycled, allowing an as clean as possible use.

We talk about green, sustainable, lightweight, recyclable, biodegradable, non-toxic, clean materials. We talk about eco-efficient, clean, economical processes. The research in the IMAP pole in particular aims at improving the fundamental knowledge in the field of process engineering and material sciences. Application areas include in particular the effluent treatment, development of lightweight structural inorganic materials, chemical kinetics, reactor analysis and design through detailed modelling and simulation, process optimization and intensification, the study of the mechanical properties and the durability of inorganic materials, their manufacturing and shaping processes, the recycling and refining of metals, the processes of organic chemistry and petrochemistry, the conversion of natural gas into chemicals, and particle processing.

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UCLOUVAIN

INSTITUTE OF CONDENSED MATTER AND NANOSCIENCES / HETEROGENEOUS (BIO)-CATALYSIS

The research group aims at developing new heterogeneous catalysts and biocatalysts, paving the way to the design of more sustainable chemical processes.

Using techniques at the interface between materials chemistry, biochemistry and chemical engineering, our expertise lies in the preparation of innovative solid (bio)catalysts and in their evaluation in relevant conditions. We are an international team, working on the three pillars of catalysis science: preparation, performance evaluation, and characterization.

We use a variety of catalysts preparation methods to obtain oxides and mixed oxides with precise chemical, structural and textural properties, metal-based catalysts with a good control on metal dispersion, hybrid materials with desired surface functionalities, and immobilized enzymes. By exploring innovative preparation methods, we develop new catalytic formulations and we fine-tune the catalysts properties in a search for new and improved catalytic performance.

We measure catalytic performance in the relevant reaction conditions, mimicking actual industrial or every-day life applications to assess the essential features of the catalysts: activity, selectivity, specificity, stability, recyclability. We work in various fields including environmental catalysis, biomass upgrading, biorefinery, fine chemistry, etc. We characterize solid catalysts and biocatalysts with the help of a large panel of physico-chemical techniques. We study their composition, structure, texture, surface, morphology, stability, etc. From there, we establish correlations between properties and performance.

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ABOUT THE EVENT

OBJECTIVES

In partnership with the University of Louvain-la-Neuve, on **23 and 24 May** GreenWin is organising the 4th international conference dedicated to "Green chemistry" and "White biotechnology".

For "Green chemistry" day:

Programme currently being put together…

For "White biotechnology" day:

Programme currently being put together …

We will also hear from Belgian and international experts from the worlds of academia and business.

The purpose of the conferences is to take stock of the innovative technology used to boost activities in the fields of green chemistry and white biotechnology around the world, to share knowledge and encourage the creation of new R&D projects involving the academic world, research centres and industrial players in the sector.

Green chemistry is set to play an important role in the evolution of industry. The use of plant-based resources is one of the foundations of the concept of "green chemistry". Many green chemistry processes make use of white biotechnology tools, and light will be shed on the importance of this technological synergy within the context of industry and factories in the future.

Biotechnology is a way of using renewable biomass, biomass residues and biowastes to produce molecules with high added value for various applications, ranging from pharmaceuticals, agri-food, and cosmetics to plastics, materials and energy. For many years, our universities and research centres have been honing their expertise in, among other fields, microbial biotechnology, from basic handling in the laboratory through to support to industrial applications. These initiatives have helped to come up with new materials (biomaterials) and biotechnological processes, for example, based on the use of renewable raw materials that will ultimately replace or complement well established processes. There will be presentations illustrating applications that are already underway, as well as the skills of different academics in the field.

There will be several opportunities to discuss the issues, and a round table event will give participants the chance to ask any questions they may have. The programmes are currently being put together and will be sent to you as soon as they have been finalised.

PARTNERSHIP

We can give you fantastic visibility if you choose to join forces with the event! You have the opportunity to book a space next to the hall hosting the two-day event. Via GreenWin's website and social networking pages, as well as by presenting your business on paper, or through the marketing follow-ups after the conferences, we can guarantee our sponsors **maximum visibility** and the opportunity to nurture your business contacts.

The GreenWin team is happy to adapt the options to suit you. So, for example, we would not rule out the idea of an exclusive partnership for the whole event. You can get in touch with Isabelle Damoisaux-Delnoy on 0474/74 13 31 or by email: isabelle.damoisaux@greenwin.be

INTERNATIONAL CONFERENCES: "GREEN CHEMISTRY" AND "WHITE BIOTECHNOLOGY"

PARTNERSHIP PROPOSALS – Boost your visibility and seize the opportunity to associate your image with this event!

SILVER PACKAGE		**Silver €2,500 excl. VAT**
Your visual identity in the hall, on the stage (roll-up banners etc.)	X	
Your brochure in the pack given to all participants	X	
Your own personal area to promote your products and know-how (2 tables, 4 chairs)	X	
Your leaflet in the press pack (given out to journalists)	X	
5 reserved spaces on the two conference days	X	
Your logo on all electronic material (emails, the cluster's website and social networking pages) with a link to your website.	X	
BRONZE PACKAGE		**Bronze €950 excl. VAT**
Your brochure in the pack given to all participants	X	

Your own personal area to promote your products and know-how (1 table, 2 chairs)	X	
Your leaflet in the press pack (given out to journalists)	X	
2 reserved spaces on the two conference days	X	
Your logo on all electronic material (emails, the cluster's website and social networking pages) with a link to your website.	X	

SPONSORSHIP CONFIRMATION

Company / Organisation	
Field of business:	
Name:	
Job title:	
Address:	
Postcode and location	
Mobile:	
Email:	

We undertake to offer financial support to GreenWin ASBL to organise the event described overleaf for a total of …… EUR excl. VAT.

- BRONZE Package: €950 excl. VAT
- SILVER Package: €2,500 excl. VAT

The partner confirms that they are familiar with the general terms and conditions on the other side of this contract and accepts them unreservedly, even if they contradict their own special or general terms and conditions.

Signature:

GENERAL TERMS AND CONDITIONS

GreenWin ASBL is bound by an obligation of means. GreenWin ASBL does not give the sponsor any explicit or implicit guarantee about the financial or other returns, whether actual or understood, positive or not, that do or could result from the use and display of the advertisement. The only guarantee offered by GreenWin ASBL is that they will take all reasonable measures available to them and as described in the sponsorship contract to make sure that all documents, posters etc. are published professionally and efficiently.

Except in the event of serious misconduct by them, GreenWin ASBL cannot be held responsible in relation to the sponsor for any direct or indirect damage that might result from it. If a mistake slips into the advertisement for a reason attributable to GreenWin ASBL, the latter is entitled to correct the error without delay, without having to pay any compensation or damages whatsoever to the sponsor.

INSURANCE

The parties undertake to take out all insurance policies necessary during the course of the event covered by the sponsorship. If GreenWin ASBL takes will take every measure to make sure all equipment provide is safe, and each party will insure their own equipment and cover the cost resulting from any damage, theft etc. In the event of theft, GreenWin ASBL cannot therefore be held responsible.

PRICES, PAYMENT TERMS AND COSTS

The prices are given in the sponsorship contract.

PAYMENT TERMS

Invoices are payable in advance before the event into account no.
BE75 3630 8572 0051 belonging to GreenWin asbl.

If an invoice is not paid when due, the total amounts owed will incur annual interest of 10%. The advertiser will also be liable to pay a penalty equivalent to 15% of the total unpaid invoices. GreenWin ASBL reserves the right to suspend the provision of its services if the principal, interest or penalty for an invoice is not paid.

DURATION AND END OF THE CONTRACT

This agreement starts on the date on which it is signed and automatically ends when the event being sponsored is over. The contract will be terminated early if either party fails to fulfil any of its obligations, within 8 days of receiving notice of this failure. The termination of this contract does not remove any of either party's rights or release them from any obligation, including in particular in relation to confidentiality or intellectual property.

INTELLECTUAL PROPERTY

The sponsor remains the owner of the intellectual property rights relating to the advertising material (brand names, logos, designs etc.) given to GreenWin ASBL.

The components of the advertisement must be completely original and must not infringe any copyright, trademark or any other intellectual property right, title or interest belonging to any third party.

CONFIDENTIALITY

The sponsor acknowledges and accepts the fact that GreenWin ASBL can offer services involving the rental of advertising space and the design of advertising to third parties, who may be the advertiser's direct competitor or may advertise similar products or services to those offered by the advertiser. The sponsor therefore agrees not to give GreenWin ASBL any information that they feel is confidential, secret or private.

FORCE MAJEURE

Neither party can be deemed to be in breach of this contract if the fulfilment of their obligations, in full or in part, is delayed or prevented due to force majeure. Force majeure should be understood to be an unforeseeable, unavoidable event beyond the control of the parties that makes it impossible to fulfil an obligation.

CHANGES TO THE AGREEMENT

This agreement can only be changed if there is another written contract duly signed by all parties.

APPLICABLE LAW AND JURISDICTION

This agreement is governed by Belgian law. If there is a conflict between the parties, they undertake to seek an amicable solution as a priority. Any disagreement or dispute that might arise from the interpretation and/or execution of this agreement will be subject to the courts of the judicial district of Charleroi.

APPENDIX: PROGRAMMES

Currently being put together

Co-organizers

Supported by

Steering Committee