**CALL FOR PAPER - EXTENDED****BIOKET****Reims, France****March 19<sup>th</sup>–21<sup>st</sup>, 2024**

To be submitted by email  
prior to **October 31<sup>st</sup>, 2024 midnight CET** to:

**Evelyne DOBBELS**  
Event Officer

Email: [e.dobbels@bioeconomyforchange.eu](mailto:e.dobbels@bioeconomyforchange.eu)

The 5<sup>th</sup> edition of BIOKET, the conference organized by Bioeconomy For Change (B4C), will take place on **March 19-21<sup>st</sup>, 2024 in Reims, France** and is looking for its next inspiring speakers!

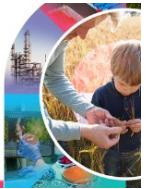
The conference, which gathered about 400 international delegates for the last edition, aims to highlight bio-based process innovations from pilot to early commercial scale ([Program 2023](#)).

Biomass is a wonderful architecture to transform into, food and feed ingredients, chemicals intermediates, biomaterials and energy. There is a real challenge to adapt and optimize mechanical and physicochemical processes to the different type of biomass and notably to develop a cascade of technologies to fractionate, functionalize, concentrate and purify the different constituents in order to maximize the valorization of the heterogeneity of biomass for the different markets... Emerging and Key enabling technologies and intensified process will play a significant role in the cost effective biorefineries.

BIOKET, is dedicated to **bio-based solutions and processes**, tackling **technological, economic and environmental challenges** of the Bioeconomy.

BIOKET focus on process innovations for **biomass conversion** using **emerging technologies**, **minimizing waste** production and **optimizing economics** of the overall OPEX.

**Key Enabling Technologies (KETs)** drive innovation throughout the economy, in particular the **circular bioeconomy**, and cut across industries with a trend towards full convergence and integration. They underpin industry leadership across the circular bioeconomy value chains such as **food and feed, bioenergies, biomaterials, biochemicals**



and have the capacity to improve people's health and safety and drastically reverse climate change.

BIOKET's scientific committee invites authors to contribute with original papers covering the here below mentioned topics for presentation at the congress. Papers accepted for oral presentation will be given **20 minutes presentation time**.

**By submitting a paper, you agree to make yourself available for a presentation anytime during the conference (from March 19<sup>th</sup> – 21<sup>st</sup>, 2024).**

### **BIOKET main's topic:**

- Advanced and innovative biomass pretreatment – Physical and thermochemical pretreatment – Densification - Fractionation
- Technologies for biomass conversion and functionalization
- Extraction, separation and purification of biomass
- Process modelisation and analytical methods and tools - in situ characterization technics
- Innovative tools: Enzymatic and metabolic engineering, synthetic biology and bionanotechnology
- Design of bioprocesses, advanced fermentation

### **Topics & technologies that are particularly targeted:**

#### Biotechnologies

- IT, big data, informatics implementation for Biotech Processes
- Adaptation of fermentation processes to New Feedstocks (waste, gaseous etc..), culture media optimization
- Bioreactors of the Future
- Novel Downstream processes (membranes, distillation...)
- Synthetic biology improvements (high throughput screening, robust microbial strains construction)
- Electrofermentation
- Bioinspired processes

#### Chemistry-Biochemistry

- Novel lignocellulosic biomass pretreatment/fractionation
- Valorization/extraction/processing of non-cellulose carbohydrate fractions of biomass technologies
- New advances in production processes (continuous process, micro-reactors, In Lines monitoring...)
- Novel catalysis: enzymatic, chemical and hybrid
- Electrochemistry
- Radiation chemistry
- Thermo chemical conversions



## **Sectors of application of the presented technologies:**

- Food and feed:
  - Active ingredients
  - Alternative proteins
- Chemicals:
  - Cosmetics, detergency
  - Fine chemicals
  - Biomaterials
  - Polymers, resins, coating
- Bioenergies:
  - Green hydrogen (Biomass to hydrogen)
  - Biogas
  - biofuels

## **Submissions:**

- All submissions need to be sent to the following email address:  
[e.dobbels@bioeconomyforchange.eu](mailto:e.dobbels@bioeconomyforchange.eu)
- Deadline is **October 31st, 2023 Midnight CET.**
- Acceptable format for abstracts are Word or PDF with a preference for PDF and must be maximum 2 pages.
- The abstract should be max 500 words length (without tables, figures, equations or references)
- The abstract can include: process concept figure, TRL, pilots or demonstrators pictures (size), Comparative Table to Position the technology in front of other existing technology (advantages and disadvantages).
- The presented technology must open of right for licensing, contract or other partnership.
- The abstract should clearly indicate:
  - ✓ Presentation title
  - ✓ Company's name
  - ✓ Speaker's name and function
  - ✓ Short biography of the speaker
- Posters can also be submitted separately.

## **Criteria for the selection:**

- TRL of the technology (3-9): minimum Pilot plant (close to the market), maximum 2 years of commercialization at exception of existing technologies newly applied to biomass
- Innovativeness of tools, processes and equipment's
- Not academic or fundamental research focused
- Not serving as a pitch for a company to their customers
- Not a product presentation

## **Additional information:**



- Speakers will benefit from the exclusive price of 480€ VAT excl. if any, for their registration (full access to the 3 days including the networking dinner).
- Authors can submit a full session (i.e. 4 speakers on a same topic).  
In this case, the author should make sure that the session is international (at least 2 different countries should be represented and maximum 2 speakers from the same country).

## **Contact information:**

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## BIOKET SPEAKING SLOT'S APPLICATION FORM

**COMPANY:**.....

**CONTACT NAME:**.....

**CONTACT DETAILS**

**EMAIL:**.....

**PHONE:** ..... **MOBILE:** .....

**ADDRESS:** .....

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**JOB TITLE:**.....

**TOPIC IN WHICH YOUR PRESENTATION COULD BE LISTED (PLEASE TICK APPROPRIATE BOXES):**

**Area:**

- Chemistry
- Biotechnology

**TRL (Technology readiness Level) of the technology you want to present:**

- |                            |                             |
|----------------------------|-----------------------------|
| <input type="checkbox"/> 1 | <input type="checkbox"/> 6  |
| <input type="checkbox"/> 2 | <input type="checkbox"/> 7  |
| <input type="checkbox"/> 3 | <input type="checkbox"/> 8  |
| <input type="checkbox"/> 4 | <input type="checkbox"/> 9  |
| <input type="checkbox"/> 5 | <input type="checkbox"/> 10 |

**Field:**

- |   |   |
|---|---|
| <input type="checkbox"/> Synthetic Biology                          | <input type="checkbox"/> Catalysis, biocatalysis, Hybrid catalysis                                  |
| <input type="checkbox"/> Fermentation processes                     | <input type="checkbox"/> Innovative Equipments  |
| <input type="checkbox"/> Pretreatment                               | <input type="checkbox"/> Innovative tools for production processes (analysis, monitoring, sampling) |
| <input type="checkbox"/> Downstream processes                       | <input type="checkbox"/> Others, please specify:  |
| <input type="checkbox"/> New full process of biomass transformation | .....   |



## DESCRIPTION OF YOUR PRESENTATION

TITLE: .....

ABSTRACT (MAX 500 WORDS):

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SPEAKER'S SHORT BIOGRAPHY (250 CHARACTERS MAXIMUM WITHOUT SPACING) :

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YOU WISH YOUR PRESENTATION TO APPEAR AS (MARK ONE OR BOTH):

- ABSTRACT / ORAL COMMUNICATION
- A POSTER

DON'T FORGET TO ADD:

- PHOTO OF THE SPEAKER (SIZE MAX 1MB)
- PHOTOS TO ILLUSTRATE YOUR ABSTRACT (SIZE MAX 1MB)

**ALL FILES BIGGER THAN 5MB WOULD NEED TO BE SEND VIA A DOWNLOADING PLATFORM**