

# Pocket Programme

5-8 June Conference & Exhibition – 9 June Technical Tours



**EUBCE**  
31st European Biomass  
Conference & Exhibition

ONLINE,  
IN PERSON  
from  
Bologna, Italy



[eubce.com](http://eubce.com)



# EUBCE

31st European Biomass  
Conference & Exhibition

## What you can expect from EUBCE 2023

After three editions held online, the **31st EUBCE will be a real, in-person event!** EUBCE 2023 will offer a substantive scientific conference with engaging industry-focused perspectives, complemented by an outstanding exhibition, events, and side sessions for knowledge-exchange, networking, and catching up with old colleagues and friends from across the globe.

This exciting programme is arranged in 6 themes, covering topics ranging from resources, sustainability, biobased products, biomass conversions, policies, etc.



### Isabella De Bari

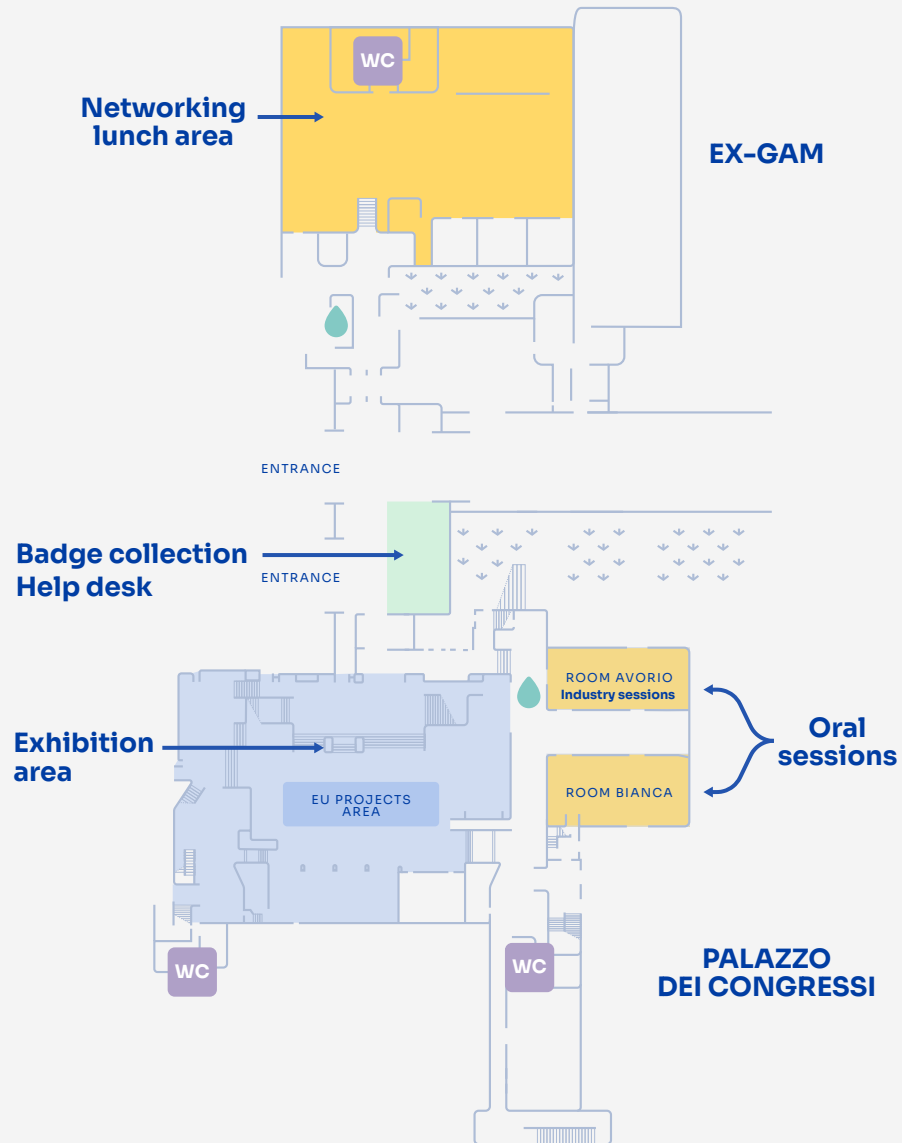
Conference General Chair  
Head of ENEA Laboratory for the  
processes and technologies for  
biorefineries and green chemistry



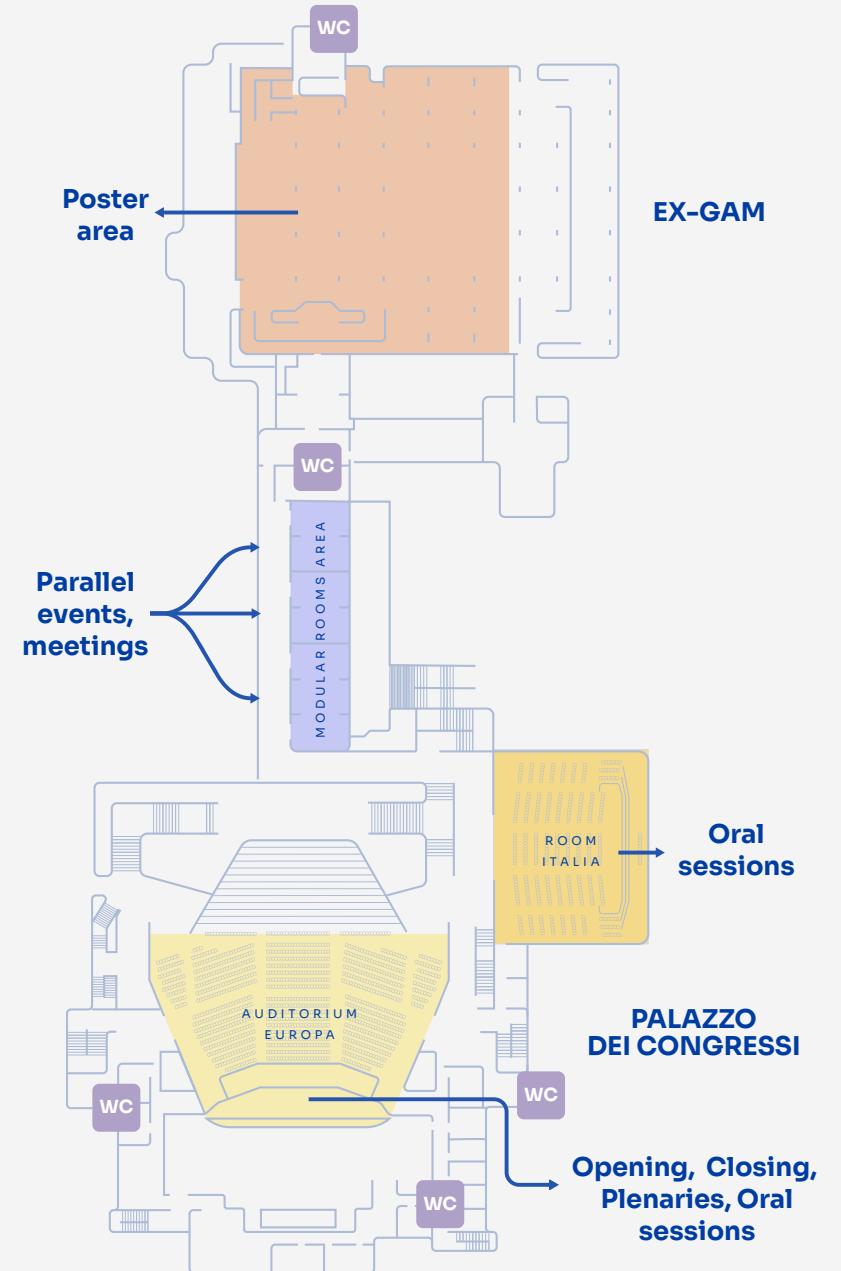
### Nicolae Scarlat

Technical Programme Chair  
European Commission  
Directorate for Energy, Transport  
and Climate  
Joint research centre, Italy

# Ground floor



# First floor











# Exhibition

## Exhibitors

- |   |                                   |
|---|-----------------------------------|
| 1 TNO   | 20 Carina                         |
| 2 Sustainable and Alternative Fibers Initiative (SAF)       | 21 Ceresis                        |
| 3 Sulfatrap   | 22 Phy2climate                    |
| 4 ENEA  | 23 Gold                           |
| 5 Circular Bio-Based Europe Joint Undertaking - CBE JU      | 24 Flexsng                        |
| 6 ETA Florence Renewable Energies                           | 25 Ebio                           |
| 7 Sunset Laboratory Inc                                     | 26 Negem                          |
| 8 Anaero Technology   | 27 NewWave                        |
| 9 Steambio Limited  | 28 Biomac                         |
| 10 Leco Europe  | 29 Bike                           |
| 11 Steeper Energy   | 30 Bio4a                          |
| 12 Bpc Instruments Ab                                       | 31 Refolution                     |
| 13 Beston Group Co, Ltd                                     | 32 Smartchp                       |
| 15 Fit4Micro  | 33 Development Through Innovation |
| 16 Bioref - Laboratório Colaborativo Para As Biorrefinarias | 34 Etip-B2022-2025                |
| 17 Awite Bioenergie Gmbh                                    | 35 Set4bio                        |
| 18 Haiqi Group  | 36 Midas                          |
| 19 Prio   | 37 GreenMeUp                      |
|   | 38 Mdpi                           |

## Legend

- |   |   |   |
|---|---|---|
|  Snack Bar         |  Networking area             |  Visibility points |
|  Coffee break area |  Badge collection /Help desk |  Water fountain    |
|  Live stage        |  Stands                      |   |

## Layout



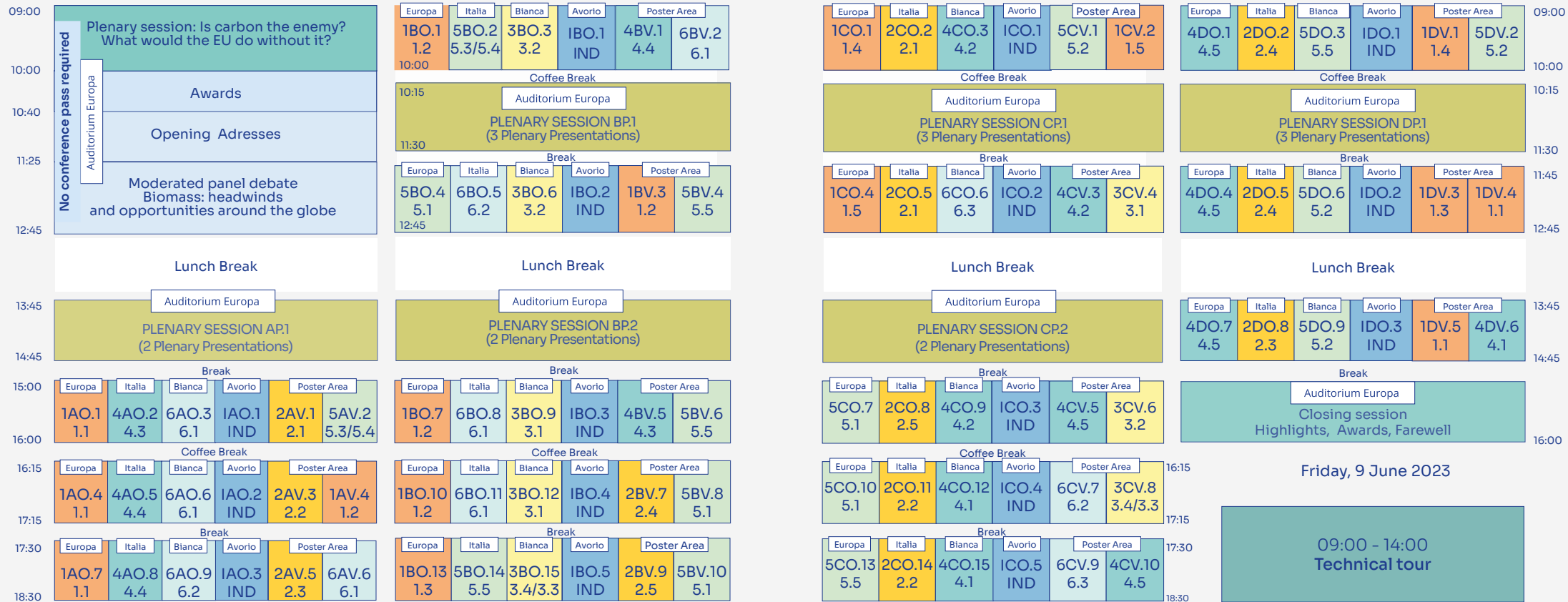
# Outline programme

Monday, 5 June 2023

Tuesday, 6 June 2023

Wednesday, 7 June 2023

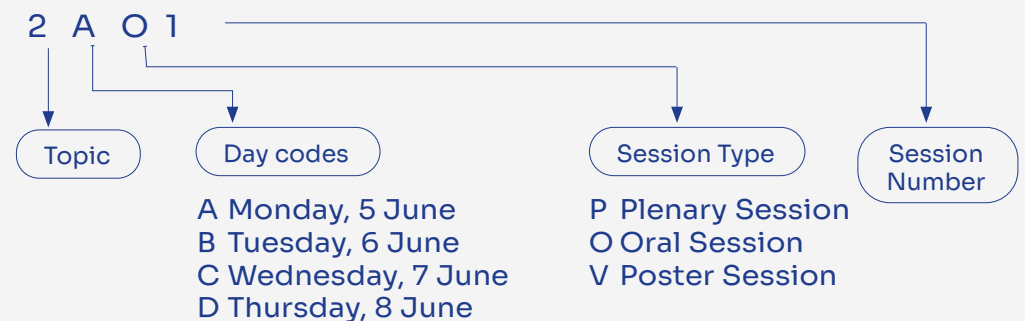
Thursday, 8 June 2023



Legend

Code	Tracks	Opening/Closing
T1	Science	Topic 1: Sustainable resources for decarbonising the economy
T2	Science	Topic 2: Sustainability, impacts and policies
T3	Science	Topic 3: Biomass, bio-based products and bioenergy integration
T4	Science	Topic 4: Biomass conversion for bioenergy
T5	Science	Topic 5: Biomass conversion to intermediate bioenergy carriers and sustainable biofuels
T6	Science	Topic 6: Biomass conversion to bio-based products and chemicals
IT	Industry	Industry track

Session Code



# Topics

- Sustainable resources for decarbonising the economy
- Sustainability, impacts and policies
- Biomass, bio-based products and bioenergy integration
- Biomass conversion for bioenergy
- Biomass conversion to intermediate bioenergy carriers and sustainable biofuels
- Biomass conversion to bio-based products and chemicals
- Industry track
- Parallel events

# QR codes



**Visit  
Online  
Platform**



**Visit  
Online  
Programme**



**WI-FI**  
Network:  
**EUBCE**  
Password:  
**eubce2023**

## Day 1 | Monday, 5 June 2023

09:00	<b>Plenary session: Is carbon the enemy? What would the EU do without it?</b>	ROOM: Auditorium Europa  MODERATOR: David Chiaramonti	SETTING THE SCENE: Michael Carus  SPEAKERS: Michael Charus André Faaij, Maria Michela Morese, Calogero Schillaci	CONCLUSIONS: Ana Maria Bravo-Angel
10:00	<b>Awards</b>	ROOM: Auditorium Europa	Linneborn Prize Giuliano Grassi Prize	
10:40	<b>Opening addresses</b>	ROOM: Auditorium Europa  CHAIRPERSON: Isabella De Bari	SPEAKERS: Kadri Kimson (video message), Salla Saastamoinen, Virginia Puzzolo	
11:20	<b>Moderated panel debate biomass: headwinds and opportunities around the globe</b>	ROOM: Auditorium Europa  MODERATOR: Paolo Frankl	PANELISTS: Giulia Gregori, Jim Spaeth, Marko Jauhunen, Michele Vigliani, Sangita Kasture	Representative from Brazil
12:45 12:45 13:45	<b>Lunch Break</b>			

13:45 **AP.1 Sustainable biomass resources with improved soils** ROOM: Auditorium Europa CHAIRPERSONS: Andrea Monti, Efthymia Alexopoulou PRESENTERS: Berien Elbersen, David Chiaramonti

14:30 **CBE JU: advancing competitive circular bio-based industries in Europe** ROOM: Modular 1

14:45 **Break**

<p>1AO.1 <b>Spatial analysis for sustainable biomass resources</b></p> <p>ROOM: Auditorium Europa</p> <p>CHAIRPERSON: Anna Duden</p> <p>PRESENTERS: Susann Günther, Luis Saúl Esteban Pascual, Raphael Heck, Francesco Cherubini</p>	<p>4AO.2 <b>Piloting of novel gasification-to-power pathways and supporting research</b></p> <p>ROOM: Room Italia</p> <p>CHAIRPERSONS: Francesco Patuzzi, Joakim Lundgren</p> <p>PRESENTERS: Enrico Bocci, Andreas Ewald, Thomas Brunner, Mateusz Szul,</p>	<p>6AO.3 <b>Biomass pre-treatment processes</b></p> <p>ROOM: Room Bianca</p> <p>CHAIRPERSONS: Sari Rautiainen, Andreas Kiesel</p> <p>PRESENTERS: Zhanying Zhang, Hans Heeres, Diogo Manuel Amaral Santos Costa, Eric Charles Peterson</p>	<p>1AO.1 <b>Low ILUC Biofuels</b></p> <p>ROOM: Room Avorio</p> <p>CHAIRPERSONS: Chris Malins, Kyriakos Maniatis</p> <p>PRESENTERS: Peter Hawighorst, Gemma Toop, Chelsea Baldino, Oona Koski, Paolo Corvo</p>	<p>2AV.1 <b>Socio-economic and public acceptance in the bioeconomy and bioenergy</b></p> <p>ROOM: Poster Area</p> <p>CHAIRPERSON: Rocio Diaz-Chavez</p> <p>PRESENTERS: Simone Bergonzoli, Alexandre Monteiro Souza, Daniela Higgin Amaral, Mirjam Roeder, Karen Mascarenhas, Aneta Magdziarz, Beike Sumfleth, Israel Herrera, Paula Barbosa</p>	<p>5AV.4 <b>Oil-based and renewable hydrocarbon biofuels from a variety of starting feedstocks and using an array of conversion processes, bio-alcohols from sugar, starch and lignocellulosic biomass</b></p> <p>ROOM: Poster Area</p> <p>CHAIRPERSONS: Dimitrios Sidiras, David Baxter</p> <p>PRESENTERS: Hirofumi Noge, Adhikari Sushil, Ailís Oshea, Maria Goula, Michel Lenoel, Iver Bergh Hvidsten, Putty Ekadewi, Iver Bergh Hvidsten, Claudia Steckelberg, Ana Isabel Susmozas, Magali Camila Vivas-Cuellar, Eva Balaguer Moya, David Martin Alonso, Hannes Latine, Thomas Nicolai, Il-Ho Choi</p>
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16:00 **Responsible sourcing and biofuel supply chains** ROOM: Modular 2

16:00 **Break**

16:15

**1AO.4**  
**Spatial analysis and mapping for sustainable biomass resources**

ROOM:  
 Auditorium Europa

CHAIRPERSONS:  
 Eleni G. Papazoglou, Andrea Parenti

PRESENTERS:  
 Nicolai David Jablonowski, Giovanni Ferrari, Zhan Shi, MD Mashum Billal

**4AO.5**  
**Recent developments in dual FB-gasification and fuel characteristics**

ROOM:  
 Room Italia

CHAIRPERSONS:  
 Frederik Ronsse, Sebastian Sanchez Villasclaras

PRESENTERS:  
 Marco Buffi, Nikolaos Detsios, Daniel Hochstöger, Miriam Huber

**6AO.6**  
**Production of high added-value biobased compounds**

ROOM:  
 Room Bianca

CHAIRPERSONS:  
 Hans Heeres, David Martin Alonso

PRESENTERS:  
 Eric Rovira Cal, Julen Ordeñana Manso, Julie Michel, Erlinda Rama

**1AO.2**  
**European climate and energy legislation: tower of babel or a strategic approach? The view of the industry**

ROOM:  
 Room Avorio

CHAIRPERSONS:  
 Guillaume Boissonnet, Kyriakos Maniatis

PRESENTERS:  
 Daniel Reinemann, Patrik Klintbom, René Venendaal, Angel Alvarez Alberdi

**2AV.3**  
**Environmental impacts of biomass and biofuels**

ROOM:  
 Poster Area

CHAIRPERSON:  
 Mirjam Roeder

PRESENTERS:  
 Vasiliki P. Aravani, Suani Coelho, Henrique Baeninger Pescarini, Elena Maestri, Thayse Fernandes, Monica Carnevale, Megan Roux, Senem Ozgen, Tomasz Simla, Austra Zusevica, Viktorija Vendina, Loukia Chryssikou, Valentina Mazzurco Miritana

**1AV.4**  
**Broadening the knowledge on crops for bioenergy, biofuels and bioproducts feedstock production (i)**

ROOM:  
 Poster Area

CHAIRPERSONS:  
 Ana Luisa Fernando, Il-ho Choi

PRESENTERS:  
 Raquel Ramos, Federica Zanetti, Rostislav Blume, Sebastiano Andrea Corinzia, Nadia Palmieri, Alberto Assirelli, Alberto Assirelli, Zoe Harris, Michael Gargaro, Walter Stefanoni, Sylvain Marsac

17:15

16:15

**Biomass-based technologies and practices for carbon dioxide removal**

ROOM:  
 Modular 3

18:20

17:15

**Break**

17:30

17:30

**1AO.7**  
**Biomass resources and potentials**

ROOM:  
 Auditorium Europa

CHAIRPERSONS:  
 Myrsini Christou, Tapio Ranta

PRESENTERS:  
 Sofia Ferdini, Scott Turn, Lois Pennington, David Mostaza-Colado,

**4AO.8**  
**Recent developments in gasification for synthesis gas production**

ROOM:  
 Room Italia

CHAIRPERSONS:  
 Giacomo Talluri, Thomas Brunner

PRESENTERS:  
 Sanna Tuomi, Jirat Mankasem, Avishek Goel, David Antonio Buentello Montoya

**6AO.9**  
**Processes for biofuels and biobased chemicals**

ROOM:  
 Room Bianca

CHAIRPERSONS:  
 Janis Rizikovs, Oliver Hurtig

PRESENTERS:  
 Marcel Dossow, Irene Martínez Salazar, Ruby Brouwer, Francesco Brandi

**1AO.3**  
**Beyond Annex IX**

ROOM:  
 Room Avorio

CHAIRPERSONS:  
 Paolo Corvo, Kyriakos Maniatis

PRESENTERS:  
 Sébastien Haye, Marko Janhunen, Alastair Fraser, Andrea Martelli

**2AV.5**  
**GHG performance of biomass value-chains**

ROOM:  
 Poster Area

CHAIRPERSON:  
*Invited*

PRESENTERS:  
 Vedant Ballal, Laura Romero Piñeiro, Ponnapat Watjanatepin, Fabiano Ximenes, Katja Oehmichen, Xuebin Wang, Dimitros Giannopoulos, Xuebin Wang, Marcos Djun Barbosa Watanabe, Simon Ascher, Johan Nilsson, Vanessa Ferreira De Almeida, Ivana Azuaje Villasmil, Israel Herrera, Naycari Forfora, Miika Marttila, Giorgos Kardaras, João Luís Nunes Carvalho, Fernanda Palmeira Gabetto, Hans Bachmaier, Marilia Folegatti

**6AV.6**  
**Biomass conversion to bio-based products and chemicals (I)**

ROOM:  
 Poster Area

CHAIRPERSON:  
 Ludovic RAYNAL

PRESENTERS:  
 Davide Di Francesco, Baekrock Oh, Daniela Godina, Rachel Eve Clarence, Woo-Shik Shin, Eun Jin Cho, Ha Yeon Kim, Ana Orozco, Victoria De Los Angeles Francés-Pérez, Rosa Nascimento, Letizia Rossato, Symone Costa De Castro, Cédric Frantz, Matteo Francavilla, Francisca Aran Ais, Kohei Okuda, M<sup>a</sup> Angeles Fontecha-Camara, María Mañas Villar, Michaela Mcfadden

18:30



# Day 2 | Tuesday, 6 June 2023

09:00

**1BO.1**  
**Innovative strategies to produce dedicated biomass for bioenergy, biofuels and bio-based products**

ROOM:  
 Auditorium Europa

CHAIRPERSONS:  
 Federica Zanetti,  
 Ralf Pecenka

PRESENTERS:  
 Walter Zegada-Lizarazu,  
 Efthymia Alexopoulou,  
 Andrea Parenti

**5BO.2**  
**Oil-based and renewable hydrocarbon biofuels**

ROOM:  
 Room Italia

CHAIRPERSONS:  
 Dimitrios Sidiras,  
 David Baxter

PRESENTERS:  
 Balaji Sridharan,  
 Karla Dussan Rojas,  
 Jose-Luis Galvez-Martos,  
 Aleta Duque

**3BO.3**  
**Integrated Biorefineries**

ROOM:  
 Room Bianca

CHAIRPERSONS:  
 Francisco Girio,  
 Judit Sandquist

PRESENTERS:  
 Thayse Hernandez,  
 Stefania Luzzi,  
 Kees Kwant,  
 Giulia Zoppi

**1BO.1**  
**Profiling the carbon footprint of biomass systems and fibers**

ROOM:  
 Room Avorio

CHAIRPERSONS:  
 Ronalds Gonzalez,  
 Kyriakos Maniatis

PRESENTERS:  
 Ronalds Gonzalez,  
 Naycari Forfora

**4BV.1**  
**Recent developments in dual FB-gasification and fuel characteristics**

ROOM:  
 Poster Area

CHAIRPERSON:  
 Frederik Ronsse

PRESENTERS:  
 Francesco Patuzzi,  
 Karthikai Selvan Sivasamy,  
 Wasif Farooq, Malgorzata Sieradzka,  
 Mayra Alejandra Suarez, Sebastian Bastek,  
 Fahim Fayaz, Marlon Ritz,  
 Alexander Bartik, Manon Mathieu,  
 Stefan Jankovic, Sebastian Sanchez  
 Villasclaras

**6BV.2**  
**Biomass conversion to bio-based products and chemicals (II)**

ROOM:  
 Poster Area

CHAIRPERSONS:  
 Yukihiro Matsumura

PRESENTERS:  
 Maureen Okibe, Jun Li, Suttijit Sriwatcharakul,  
 Ana Luisa Fernando, Wipawee Dejtsakdi,  
 Davi Marconi Miranda Carvalho Da Silva,  
 Tugba Sari, M. Dolores La Rubia,  
 Junghyun Ju, Esperanza Monedero,  
 Marwa Tallawi, Yang Mo Gu,  
 Ghita Firsty Virginia, Jiyeon Park,  
 Aiga Ivdre, Maris Lauberts,  
 Neeta Sharma

10:00

09:00

**Bioenergy solutions for decarbonization of energy intensive industries**

ROOM:  
 Modular 2

11:00

**Break**

10:00

10:15

**BP.1**  
**Socio-economic aspects in circular economy**

ROOM:  
 Auditorium Europa

CHAIRPERSONS:  
 Calliope Panoutsou,  
 André Faaij

PRESENTERS:  
 Iris Vural Gursel,  
 Rocio Diaz-Chavez,  
 Iris Lewandowski

11:30

11:30

11:45

**Break**

11:30

**Bioenergy and renewable fuels projects for the revamping of the SET Plan**

ROOM:  
 Modular 3

18:00

11:45

**5BO.4  
Applied Pyrolysis and Product Utilisation**

ROOM:  
Auditorium Europa

CHAIRPERSONS:  
Andreas Apfelbacher,  
Lasse Rosendahl

PRESENTERS:  
Stelios Stefanidis,  
Jan Grunwald,  
Roman Tschentscher,  
Konrad Siegfried

**6BO.5  
Production of biobased chemicals**

ROOM:  
Room Italia

CHAIRPERSONS:  
Tanja Barth,  
Ronalds Gonzalez

PRESENTERS:  
Brigita Hocevar,  
Janis Rizikovs,  
Younho Song,  
Camilla Løhre

**3BO.6  
Biorefining concepts**

ROOM:  
Room Bianca

CHAIRPERSONS:  
James Spaeth,  
Daniela Thrän

PRESENTERS:  
Judith Buchmaier,  
Luís Tarelho,  
Kristoffer Herdlevær,  
Ralf Pecenka

**1BO.2  
Exploiting lignocellulosic biomasses to develop innovative and more sustainable high-added value biobased products and materials**

ROOM:  
Room Avorio

CHAIRPERSONS:  
Simone Maccaferri,  
Kyriakos Maniatis

PRESENTERS:  
Maris Bumanis,  
Petri Oinonen,  
David Martin Alonso,  
Elie Receveur

**1BV.3  
Broadening the knowledge on Crops for Bioenergy, Biofuels and Bioproducts Feedstock Production (I)**

ROOM:  
Poster Area

CHAIRPERSON:  
Eleni G. Papazoglou

PRESENTERS:  
Efthymia Alexopoulou,  
Eleni G. Papazoglou,  
Markus Ortner,  
Leandro Gomes,  
Austra Zusevica,  
Federica Zanetti

**5BV.4  
Synthetic fuels from biomass and hydrogen (I)**

ROOM:  
Poster Area

CHAIRPERSON:  
Guillaume Boissonnet

PRESENTERS:  
Aristide Giuliano,  
Alma Capa,  
Evert Boymans,  
Sebastian Voswinckel,  
Beethoven Narváez-Romo,  
Charles David Dube,  
Zeenat Farooq,  
José De Jesús Montoya  
Rosales

12:45

12:45

13:45

**Break**

13:45

**BP.2  
Bioenergy and biobased products**

ROOM:  
Auditorium Europa

CHAIRPERSONS:  
Maria Georgiadou,  
Franco Cotana

PRESENTERS:  
Maude Lauzon,  
Kirsikka Kiviranta

14:45

14:00

**Focus nazionale bioeconomia e bioenergie:  
Stato dell'arte, traiettorie, barriere e strumenti di implementazione**

ROOM:  
Modular 1

L'evento è accreditato per il riconoscimento dei Crediti Formativi Professionali presso l'Ordine dei Dottori Agronomi e Forestali Bologna

18:00

14:45

15:00

**Break**

15:00

**1BO.7  
Improving energy crops cultivation in contaminated land - selected case studies**

ROOM:  
Auditorium Europa

CHAIRPERSONS:  
Ana Luisa Fernando,  
Moritz Von Cossel

PRESENTERS:  
Alfreda Kasiuliene, Michel  
Mench, Benjamin Nunn,  
Pietro Peroni

**6BO.8  
New products from biomass**

ROOM:  
Room Italia

CHAIRPERSONS:  
Solange Mussatto,  
Iris Vural Gursel

PRESENTERS:  
Dong Jin Suh,  
Ronalds Gonzalez,  
Antonio Caporusso,  
Songbo He

**3BO.9  
Biogas and power to gas**

ROOM:  
Room Bianca

CHAIRPERSON:  
Luc Pelkmans

PRESENTERS:  
Romain Besseau,  
Tobias Baldauf,  
Oliver Kröcher,  
Hangyu Yu

**1BO.3  
Fit for 2030? Challenges and Opportunities under a renewed EU regulatory framework in securing the needed investments to boost advanced biofuels - views from the industry**

ROOM:  
Room Avorio

CHAIRPERSONS:  
Paolo Corvo, Kyriakos Maniatis

PRESENTERS:  
Ralf Hortsch, Heleen Koopal,  
Sophia Haywood, René  
Venendaal

**4BV.5  
Gasification-to-power research and development progress**

ROOM:  
Poster Area

CHAIRPERSON:  
Jaap Kiel

PRESENTERS:  
Muhammad Zubair  
Qureshi, Marco Baratieri,  
Keng-Tung Wu, Filippo  
Ottani, Marco Baratieri,  
Onu Ajah, Francesco  
Patuzzi, Xinyi Wei,  
Beatrice Vincenti,  
Christina Antonopoulou,  
Markus Kopsch, Arnaud  
Rouanet

**5BV.6  
Synthetic fuels from biomass and hydrogen (II)**

ROOM:  
Poster Area

CHAIRPERSONS:  
Oliver Hurtig,  
Francisco Gírio

PRESENTERS:  
Laura Alvarez Alonso,  
Loukia Chrysikou,  
Hillary Onyebuchi  
Onyishi, Pierre-André  
Maitre, Giovanni Ettore  
Roncarati, Jalil Shadbahr,  
Moritz Böhme, Daniele Di  
Menno Di Bucchianico,  
Joana Bernardo

16:00

16:00  
16:15

**Break**

16:15

**1BO.10**  
**Lessons learned from the cultivation of energy crops in contaminated land**

ROOM:  
Auditorium Europa

CHAIRPERSONS:  
Luigi Pari,  
Alfreda Kasuliene

PRESENTERS:  
Eleni G. Papazoglou,  
Leandro Gomes, Andreas  
Kiesel, Richard Lord

**6BO.11**  
**Nutrient cycles**

ROOM:  
Room Italia

CHAIRPERSONS:  
Ludovic Raynal,  
Tiziana Pirelli

PRESENTERS:  
Natalie Mayer,  
Laura Torrent,  
Flavio Collura,  
Luis Saúl Esteban Pascual

**3BO.12**  
**Biomass contribution to regional energy transition**

ROOM:  
Room Bianca

CHAIRPERSON:  
Heinz A. Ossenbrink

PRESENTERS:  
Joachim Kelz,  
Viatcheslav Kafarov,  
Mika Laihanen, Ingo Ball

**1BO.4**  
**Renewable gases and derivatives in a circular bioeconomy**

ROOM:  
Room Avorio

CHAIRPERSONS:  
Matthias Ólafsson,  
Kyriakos Maniatis

PRESENTERS:  
Matthias Ólafsson,  
Vincent Queau, Karlijn  
Arts, Nadia Romdhane

**2BV.7**  
**Biomass strategies and policies**

ROOM:  
Poster Area

CHAIRPERSON:  
Martin Junginger

PRESENTERS:  
Dominik Rutz, Silvia  
Puerta, Moritz Von  
Cossel, Serge Biollaz,  
Myrsini Christou, Goncalo  
Rodrigues, Julia Hansson,  
Sonja Sechi

**5BV.8**  
**Fundamental pyrolysis and laboratory investigation**

ROOM:  
Poster Area

CHAIRPERSON:  
*Invited*

PRESENTERS:  
Thomas Heinrich,  
Gaofeng Dai, Christos  
Tsekos, Luís Tarelho,  
Emma Olsson Mansson,  
Elena Maestri, Alessandro  
Galia, Begüm Baser,  
Izabella Maj, Gabriela  
Duran Jimenez, Edgar A.  
Silveira

17:15

16:15

**High efficiency and low emissions CHP technologies from biogenic residues**

ROOM:  
Modular 2

18:30

17:15  
17:30

**Break**

17:30

**1BO.13**  
**Algae and aquatic biomass: reactors and remediation**

ROOM:  
Auditorium Europa

CHAIRPERSONS:  
Jack Legrand,  
Scott Turn

PRESENTERS:  
Sebastian Weickert,  
Ana Cláudia De Sousa  
Coelho, Lorenzo Mollo,  
Sandor Bartha

**5BO.14**  
**Valorisation of renewable and recycled carbon through the use of hydrogen**

ROOM:  
Room Italia

CHAIRPERSONS:  
Guillaume Boissonnet,  
Oskar Meijerink

PRESENTERS:  
Anita Demuth,  
Maria Goula,  
Felix Habermeyer,  
Evert Boymans

**3BO.15**  
**Acceleration of implementation by valorisation of bioresources**

ROOM:  
Room Bianca

CHAIRPERSONS:  
Jaap Kiel,  
Kees Kwant

PRESENTERS:  
Rainer Janssen, Jan Thiel,  
Magda Constantí,  
Patrik Klintbom

**1BO.5**  
**Low carbon fuels for aviation and shipping**

ROOM:  
Room Avorio

CHAIRPERSONS:  
Maria Georgiadou,  
Kyriakos Maniatis

PRESENTERS:  
Doris Matschegg,  
Ralph-Uwe Dietrich,  
Julie Rodriguez-Guerrero,  
Ludovic Raynal

**2BV.9**  
**Resource efficiency in bioeconomy**

ROOM:  
Poster Area

CHAIRPERSONS:  
Birger Kerckow,  
Berien Elbersen

PRESENTERS:  
Marielle Trenkner,  
Caroline Perez, Chuan Ma,  
Eric Rovira Cal, Walter  
Stefanoni, Matteo Ferrito,  
Mika Aalto, Odysseas  
Kopsidas, Bruna Oliveira

**5BV.10**  
**Pyrolysis Product Upgrade and Pyrolysis Application**

ROOM:  
Poster Area

CHAIRPERSON:  
*Invited*

PRESENTERS:  
Yongwoon Lee, Shifa  
Zuhara, Gabriel Roeder,  
Yasser Elhenawy, Richard  
Ochieng, Edgar A. Silveira,  
Vittor Alves, Angélica De  
Cássia Oliveira Carneiro,  
Mireia Mora Sanjuan,  
Hanmin Yang, Takashi  
Nomura, Luís Tarelho,  
Mayra Alejandra Suarez,  
Ronald M. Lara Prado,  
Alexander Søggaard,  
Yeonseok Choi, Stelios  
Stefanidis, Klaus Raffelt,  
Songbo He, Andrea  
Facchin,

18:30

# Day 3 | Wednesday, 7 June 2023

09:00

**1CO.1**  
**Supply of biomass and biomass by-products and residues from agriculture and forestry**  
 ROOM:  
 Auditorium Europa  
 CHAIRPERSONS:  
 Neeta Sharma, Enrico Paris  
 PRESENTERS:  
 Søren Ugilt Larsen, Marco Fiala, Dan Abudu, Soheyl Khalilpourazari

**2CO.2**  
**Sustainable monitoring of bioenergy and the bioeconomy**  
 ROOM:  
 Room Italia  
 CHAIRPERSONS:  
 Yara Evans, Berien Elbersen  
 PRESENTERS:  
 Gulizar Balcioglu, Costanza Rossi, Stefan Majer, Daniela Higgin Amaral

**4CO.3**  
**Novel methods for emission reduction and ash utilisation**  
 ROOM:  
 Room Bianca  
 CHAIRPERSONS:  
 Marco Baratieri, Nicolai David Jablonowski  
 PRESENTERS:  
 Christoph Mandl, Alex Sebastiani, Hendrik Mörtenkötter, Thomas Zeng

**ICO.1**  
**Thermochemical conversion of biomass: status and R&D needs**  
 ROOM:  
 Room Avorio  
 CHAIRPERSON:  
 Kyriakos Maniatis  
 PRESENTERS:  
 Jack Saddler, Yukihiro Matsumura, Pedro Ortiz-Toral, Bert Van De Beld

**5CV.1**  
**Advancement in hydrothermal processing of wet biomass (I)**  
 ROOM:  
 Poster Area  
 CHAIRPERSON:  
 Nikolaos Boukis  
 PRESENTERS:  
 Daniel Blücher, Dimitrios Sidiras, Heather Wray, Dimitrios Liakos, Daniele Castello, Krzysztof Kapusta, Stefan Arlt, Claudia Prestigiacomo, Thuat Trinh

**1CV.2**  
**Energy carriers and fuels production from biowaste**  
 ROOM:  
 Poster Area  
 CHAIRPERSON:  
 Pedro Haro  
 PRESENTERS:  
 Bruna Rodrigues, Suani Coelho, Edgar A. Silveira, Maura Sannino, Giorgos Kardaras, Ioana Ionel, Tzouliana Kraia, Brenda Rodrigues, Tanmay Chaturvedi, Maria Lorena Falco, Luisa Blaesing

10:00

09:00

**Delivering on REPowerEU: bringing research and industry closer to accelerate innovation and uptake of biomethane**  
 ROOM:  
 Modular 2

13:00

**Agrivoltaico e contesti territoriali: idee a confronto**  
 ROOM:  
 Modular 1  
 L'evento è accreditato per il riconoscimento dei Crediti Formativi Professionali presso l'Ordine degli Architetti di Bologna (3 CFP) e presso l'Ordine dei Dottori Agronomi e Forestali Bologna

13:00

10:00

10:15

**Break**

10:15

**CP.1**  
**Biomass conversion to bioenergy**  
 ROOM:  
 Auditorium Europa  
 CHAIRPERSONS:  
 Christian Thiel, Dina Bacovsky  
 PRESENTERS:  
 Ingwald Obernberger, David Kadlez, Jens Bo Holm-Nielsen

11:30

11:30

11:45

**Break**

11:45

**1CO.4**  
**Biomethane and biofertilizer produced from treated biowaste**

ROOM:  
 Auditorium Europa

CHAIRPERSONS:  
 Pedro Haro,  
 Stefano Capaccioli

PRESENTERS:  
 Nicolas Martinez,  
 Erika Sinisgalli,  
 Bruna Rodrigues,  
 Jens Kitzhofer

**2CO.5**  
**Socio-economic assessment and public acceptance in bioeconomy and bioenergy**

ROOM:  
 Room Italia

CHAIRPERSONS:  
 Alexa Lutzenberger,  
 Suani Coelho

PRESENTERS:  
 Dominik Rutz, Yara Evans,  
 Marino Bonaiuto,  
 Martin Junginger

**6CO.6**  
**Co-production of biofuels and biochemicals**

ROOM:  
 Room Bianca

CHAIRPERSONS:  
 Julia Weyand,  
 Simone Maccaferri

PRESENTERS:  
 Rebecca Serna,  
 Marlen Verges,  
 Camilo Ernesto Cabrera  
 Camacho, Vesna  
 Najdanovic

**1CO.2**  
**Biofuels in Africa**

ROOM:  
 Room Avorio

CHAIRPERSONS:  
 Matthew Oluwaseun  
 Oguntade,  
 Kyriakos Maniatis

PRESENTERS:  
 Tomislav Ivancic,  
 Christian Rakos,  
 Rocio Diaz-Chavez,  
 Gordon Ayres

**4CV.3**  
**New approaches regarding combustion technology, emission reduction and new fuels**

ROOM:  
 Poster Area

CHAIRPERSON:  
 Marco Baratieri

PRESENTERS:  
 Thomas Zeng, Peter Cole,  
 Leteng Lin, Gregory Davis,  
 Enrico Paris,  
 Francesco Gallucci,  
 Adriano Palma, Suani Coelho,  
 Andreas Huft,  
 Thorben De Riese,  
 Edson Bazzo

**3CV.4**  
**Biogas, regional energy transition and renewable heat**

ROOM:  
 Poster Area

CHAIRPERSONS:  
 Luc Pelkmans

PRESENTERS:  
 Beethoven Narváez-Romo,  
 Steffen Lauterbach, Giovanna  
 Gonzales Calienes, Tapio  
 Ranta, Farbod Farzi, Michel  
 Delanaye, Anes Kazagic,  
 Cédric Frantz, Nicolai David  
 Jablonowski, Pietro Sidoli,  
 Jongseo Lee, João Cardoso,  
 Vittor Alves, Charley Michelle  
 Flach, Uwe Behmel, Pietro  
 Mele, Giorgos Kardaras

12:45

12:45  
 13:45 **Break**

13:45

**CP.2**  
**Bumpy road ahead: preparing for the updated renewable energy directive**

ROOM:  
 Auditorium Europa

CHAIRPERSON:  
 Daniel Reinemann

PRESENTERS:  
 Amparo Arellano,  
 Alessandro Cinotti

14:45

14:45  
 15:00 **Break**

15:00

**5CO.7**  
**Valorisation of Pyrolysis Products**

ROOM:  
 Auditorium Europa

CHAIRPERSON:  
 Tim Schulzke

PRESENTERS:  
 Aravind Ganesan,  
 Mariana Myriam Campos  
 Fraga, Yang Zhang,  
 Christopher Kick

**2CO.8**  
**Resource efficiency in bioeconomy**

ROOM:  
 Room Italia

CHAIRPERSONS:  
 Rocio Diaz-Chavez,  
 Wolter Elbersen

PRESENTERS:  
 Luigi Pari, Sylvain Marsac,  
 Ana Luisa Fernando,  
 Tamara Fernández Arévalo

**4CO.9**  
**Innovative combustion concepts and novel modelling approaches**

ROOM:  
 Room Bianca

CHAIRPERSONS:  
 Ingwald Obernberger,  
 Thomas Zeng

PRESENTERS:  
 Johannes Haimerl,  
 Martin Haaf, Martina Blank

**1CO.3**  
**Setting up the scene for the biomethane market in Europe**

ROOM:  
 Room Avorio

CHAIRPERSONS:  
 Lorenzo Maggioni,  
 Myrsini Christou

PRESENTERS:  
 Giulia Cancian, Manfred Gius,  
 Luisa Brega, Davide Macor

**4CV.5**  
**Biogas research and innovation (I)**

ROOM:  
 Poster Area

CHAIRPERSONS:  
 Jens Bo Holm-Nielsen,  
 Dominik Rutz

PRESENTERS:  
 Vanja Jurisic, Oliver Hurtig,  
 Ana Marin, Si-Kyung Cho,  
 Bernhard Huber, Matteo  
 Francavilla, Rashmi Ira,  
 Radziah Wahid,  
 Josef Hoffmann

**3CV.6**  
**Biorefineries and their concepts**

ROOM:  
 Poster Area

CHAIRPERSONS:  
 Maria Georgiadou

PRESENTERS:  
 Stephanie Fjäll, Miguel Alba,  
 Eric Rovira Cal, Daniela  
 Godina, Hsiao Kai Chu,  
 Yoongyo Lee, Andreas  
 Zimmermann, Fernanda  
 Thimoteo Azevedo Jorge,  
 Hanseob Jeong, Luis  
 Velazquez-Araque, Sebastian  
 Sanchez Villasclaras, Hyunjin  
 Jung, Liam Mannion, Stanislav  
 Rudnyckyj, Aadila Cayenne

16:00

15:00  
 18:20 **Sustainability certification of bio-based products**

ROOM:  
 Modular 1

15:30  
 17:00 **La filiera Bosco-legno-energia**

ROOM:  
 Modular 2

L'evento è accreditato per il riconoscimento dei Crediti Formativi Professionali presso l'Ordine dei Dottori Agronomi e Forestali Bologna

16:00  
16:15

Break

16:15

**5CO.10**  
**Fundamental pyrolysis**

ROOM:  
Auditorium Europa

CHAIRPERSONS:  
Yukihiko Matsumura,  
Jaap Kiel

PRESENTERS:  
Sabah Mariyam,  
Tim Schulzke,  
Haruo Kawamoto,  
Premchand Premchand

**2CO.11**  
**Environmental and biodiversity impacts of bioenergy**

ROOM:  
Room Italia

CHAIRPERSON:  
Karen Mascarenhas

PRESENTERS:  
Anna Duden,  
Moritz Von Cossel,  
Marie Wouts,  
Ana Luisa Fernando

**4CO.12**  
**Suitability of various feedstock as solid biofuels**

ROOM:  
Room Bianca

CHAIRPERSONS:  
Thomas Schleker,  
Capucine Dupont

PRESENTERS:  
Viktoria Scheff,  
Marta Martins,  
Niharika Sharma,  
Dag Helge Hermundsgård

**1CO.4**  
**Biomass in Africa**

ROOM:  
Room Avorio

CHAIRPERSONS:  
Myrsini Christou,  
Wolter Elbersen

PRESENTERS:  
Essel Ben Hagan,  
Hassan El Bari,  
Jacob Sonibare,  
Tonderayi Matambo

**6CV.7**  
**Biorefinery platforms for bio-based chemicals and polymers**

ROOM:  
Poster Area

CHAIRPERSON:  
Janis Rizikovs

PRESENTERS:  
Sudip K. Rakshit, Bernhard Drosig, Tatiana Aurora Condezo Castro, Laura Plazas Tovar, Soo-Kyeong Jang, Thomas Carr, Iara Fontes Demuner, Eungyu Jegal, Fernando Russo Abegão, Sari Rautiainen, Derar Alkhateb, Raimonds Makars, Henri Steinweg, Aigars Paze, Enio Zanchetta, Tamara Alejandra Menares Tapia,

**3CV.8**  
**Technologies and assessment of the valorisation of bioresources**

ROOM:  
Poster Area

CHAIRPERSONS:  
Kees Kwant,  
Daniela Thrän

PRESENTERS:  
Nariê Rinke Dias De Souza, Edgar A. Silveira, Svetlana Proskurina, Olgu Birgi, Rainer Janssen, Carsten Herbes, Haresankar Jayasankar

17:15

17:15  
17:30

Lunch Break

17:30

**5CO.13**  
**Synthetically produced fuels from biomass**

ROOM:  
Auditorium Europa

CHAIRPERSON:  
Patrik Klintbom

PRESENTERS:  
Julia Weyand,  
Sebastian Ponce,  
Wouter Arts,  
Patrick Littlewood

**2CO.14**  
**Environmental and biodiversity impacts of bioenergy**

ROOM:  
Room Italia

CHAIRPERSONS:  
Mirjam Roeder,  
Sylvain Marsac

PRESENTERS:  
Suviti Chari,  
Luca Campion,  
Julie Schobing,  
Antonio Pantaleo

**4CO.15**  
**Development of pretreatments, especially torrefaction, via process combination, pilot scale experiments and kinetic modelling**

ROOM:  
Room Bianca

CHAIRPERSON:  
Gururaja Rao Sridhar

PRESENTERS:  
Nannan Wu, Abhishek Singhal, Ji-Ho Yoo, Heeyoon Kim,

**1CO.5**  
**SAF development in Africa - The case of Ethiopia**

ROOM:  
Room Avorio

CHAIRPERSONS:  
Theodor Goumas,  
Kyriakos Maniatis

PRESENTERS:  
George Vourliotakis,  
David Chiamonti,  
Oskar Meijerink,  
Abubeker Yimam

**6CV.9**  
**Co-production of biofuels and biochemicals**

ROOM:  
Poster Area

CHAIRPERSON:  
*Invited*

PRESENTERS:  
Rudolfs Berzins,  
Roman Tschentscher,  
Vorapat Sanguanchaipaiwong,  
Antonio Caivano,  
Daria Lebedeva,  
Prans Brazdausks

**4CV.10**  
**Biogas research and innovation (II)**

ROOM:  
Poster Area

CHAIRPERSONS:  
Ioana Ionel,  
Bernhard Drosig

PRESENTERS:  
Ayush Agarwal, Alessandro Neri, Elena Franchitti, Erika Sinisgalli, Ciro Vasmara, Yingmu Chang, Francis Robert Demetri C. Quingco, Lukas Kratky, Uwe Behmel, Gowtham Balasundaram

18:30

19:30

Conference Dinner

# Day 4 | Thursday, 8 June 2023

09:00

4DO.1

**Biogas developments and innovative solutions**

ROOM:  
Auditorium Europa

CHAIRPERSONS:  
Bernhard Drog, Kurt Hjort-Gregersen

PRESENTERS:  
Lukas Knöll, Gert Hofstede, Brandon Gilroyed, Hans Langeveld

2DO.2

**European biomass production to support the EU bioeconomy**

ROOM:  
Room Italia

CHAIRPERSONS:  
Birger Kerckow, Anne Bouter

PRESENTERS:  
Christina Zinke, John Clifton-Brown, Dan Taylor, Elina Mäki

5DO.3

**Hydrogen produced from biomass**

ROOM:  
Room Bianca

CHAIRPERSONS:  
Matteo Prussi, Katerine Rodriguez

PRESENTERS:  
Obaidullah Mohiuddin, Natascha Eggers, Thanos Vadarlis, Veronica Gubin

IDO.1

**The development of the bio-economy and the establishment of a stable and reliable supply chain for fuels, materials and chemical in China**

ROOM:  
Room Avorio

CHAIRPERSONS:  
Shizhong Li, Kyriakos Maniatis

PRESENTERS:  
Bin Xu, Haofu Luo, Bin Xu, Chengzhen Jiang

1DV.1

**Agro-industrial feedstocks and side streams**

ROOM:  
Poster Area

CHAIRPERSON:  
Efthymia Alexopoulou

PRESENTERS:  
Filippo Ottani, Enrico Santangelo, Austra Zusevica, Daniela Higgin Amaral, Luis Jorge Cruz Reina, Edgar A. Silveira, Juliën Voogt, Omex Mohan, Urte Stulpinaite, Giorgos Kardaras, Natalia A. Tarazona Lizcano, Florent Eveille, Clement Owusu Prempeh

5DV.2

**Advancement in hydrothermal processing of wet biomass (II)**

ROOM:  
Poster Area

CHAIRPERSONS:  
Bert Van De Beld, Daniele Castello

PRESENTERS:  
Eduardo Tito, Byung Hwan Um, Tero Joronen, Maria Paola Bracciale, Yukihiro Matsumura, Christian Klupfel, Mariusz Wadrzyk, Nicholas Canabarro, Falilat Kassim, Klaus Raffelt

10:00

**Harnessing CO2 for sustainable CCUS value chains: The CooCE concept**

ROOM:  
Modular 3

12:00

**Valorization of by-products from vegetable oil refining in sustainable bio-based products**

ROOM:  
Modular 2

12:20

Break

10:00

10:15

DP.1

**Biomass conversion to intermediate bioenergy carriers and sustainable biofuels**

ROOM:  
Auditorium Europa

CHAIRPERSON:  
Donatella Barisano

PRESENTERS:  
Bert Van De Beld, Maximilian Wörner, David Lunn

11:30

Break

11:30

11:45



11:45

**4DO.4**  
**Innovative biogas applications**  
 ROOM: Auditorium Europa  
 CHAIRPERSONS: Jens Bo Holm-Nielsen, Katja Oehmichen  
 PRESENTERS: Claudio Carbone, Jaroslaw Milewski, Rjaa Jawad Ashraf

**2DO.5**  
**Supporting biomass for transport fuels, chemicals and industry in the EU**  
 ROOM: Room Italia  
 CHAIRPERSONS: Martin Junginger, Rainer Janssen  
 PRESENTERS: Joanna Sparks, Niels Dögnitz, Julia Hansson, Chuan Ma

**5DO.6**  
**Fundamentals and applications of HTL**  
 ROOM: Room Bianca  
 CHAIRPERSONS: Bernd Wittgens, Bert Van De Beld  
 PRESENTERS: Sylvanus Lilonfe, Dimitrios Liakos, Maria Jose Rivas Arrieta, Daniele Castello

**IDO.2**  
**Indian Bioeconomy initiatives – Supply chain challenges – opportunities for mainstreaming sustainable fuel, chemical and material and Indo-EU cooperation**  
 ROOM: Room Avorio  
 CHAIRPERSONS: Ramakrishna Yagati, Kyriakos Maniatis  
 PRESENTERS: Preeti Jain, Anjan Ray, Shishir Joshipura

**1DV.3**  
**Microalgae, macroalgae, and aquatic systems: production to end use**  
 ROOM: Poster Area  
 CHAIRPERSON: Scott Turn  
 PRESENTERS: Ankita Bhatt, Sebastian Sanchez Villascclaras, Mamta Bhandari, Leandro Madureira, Francisco Pereira, Nicola Di Fidio, Vitor Sousa Jaber Mohammed Alharbi, Jack Legrand, Gonzalo Mauricio Figueroa Torres, Sergejs Kolesovs

**1DV.4**  
**Biomass resources and potential (I)**  
 ROOM: Poster Area  
 CHAIRPERSONS: Myrsini Christou, Wolter Elbersen  
 PRESENTERS: Ioana Ionel, Thayse Hernandes, Mariana Abreu, Daniela Higgin Amara, Nicolas Dagorn, Martin Colla, Fragkoulis Psathas, Antti Karhunen, Pratik Sanodiya, Mohammad Sadr, Berien Elbersen, Jarno Föhr

12:45

11:45

13:45

**Upscaling the production of low ILUC risk biomass feedstock for the bioeconomy**  
 ROOM: Modular 1

12:45

13:45

**Lunch Break**

13:45

**4DO.7**  
**Biogas innovations and research**  
 ROOM: Auditorium Europa  
 CHAIRPERSONS: Ioana Ionel, Claudio Carbone  
 PRESENTERS: Ciro Vasmaras, Sebastian Borgquist, Lu Feng, Pietro Postacchini

**2DO.8**  
**LCA-based consideration for determine the carbon sink potential of bio-based value-chains**  
 ROOM: Room Italia  
 CHAIRPERSONS: Marco Buffi, Guido Reinhardt  
 PRESENTERS: Ronja Wollnik, Matteo Prussi, Anne Bouter

**5DO.9**  
**Supercritical water gasification**  
 ROOM: Room Bianca  
 CHAIRPERSONS: Nikolaos Boukis, Daniele Castello  
 PRESENTERS: Julian Dutzi, Sasa Bjelic, Babak Arjmand, Hary Demey

**IDO.3**  
**Thermochemical biomass conversion for energy applications**  
 ROOM: Room Avorio  
 CHAIRPERSONS: Maria Georgiadou, Kyriakos Maniatis  
 PRESENTERS: Zach El Zahab, Loukia Chrisikou, Enrico Pittis

**1DV.5**  
**Biomass resources and potential (II)**  
 ROOM: Poster Area  
 CHAIRPERSON: *Invited*  
 PRESENTERS: Arun Gyawali, Ingrid Santos Miguez, Celián Román-Figueroa, Nurhan Dunford, Jasmine Versyck, Abel Rodrigues, Carmen Giron-Dominguez, Symone Costa De Castro, Erik Rönnqvist, Ilze Vamza

**4DV.6**  
**Densification, torrefaction and other innovative pretreatments: experimental studies at different scales and numerical modelling**  
 ROOM: Poster Area  
 CHAIRPERSONS: Capucine Dupont, Bernd Wittgens  
 PRESENTERS: Alberto Assirelli, Michael-Alexandros Kougioumtzis, Seongil Kim, Carla Fuentes Boix, Elie Lacombe, Heather Wray, Zahra Kazemi-Mehrabadi, Luis Saúl Esteban Pascual, Regan Ceaser, Carlos Arce, Ye-Eun Lee, Jiyeon Park, Mirjam Havekost, Benjamin Rabdeau

14:45

14:45

15:00

**Break**

15:00

16:00

**Closing Session**  
 Highlights of the Conference  
 Students Awards  
 Poster Awards  
 Farewell  
 ROOM: Auditorium Europa



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