



Workshop Announcement

NEW INDUSTRIAL MODELS IN THE BIOECONOMIC ERA: THE BIOREFINERIES

Rome, Italy, 21 November 2019

WORKSHOP VENUE: ENEA Headquarter, Lungotevere Thaon di Revel, 76 Rome (Italy)



Agencia nazionale per le nuove tecnologie,
l'energia e lo sviluppo economico sostenibile



Foreword

Current economy is still based mainly on the utilization of fossil sources with high CO₂ emissions. Bioeconomy aims at developing new productive models making use of renewable sources. Biorefineries are an important tool to implement this transition from the fossil-based economy toward bioeconomy. ENEA is pleased to announce the Italian stakeholders workshop in the area of biorefineries, which will take place in Rome, Italy, on 21st November 2019. This will be a one day conference inserted in the three works days (19-21 November) of the IEA bioenergy task 42 hosted by ENEA. The workshop aims to collect snapshots on main R&D and policy initiatives in the bioenergy and biorefineries area in Italy and to share it in the global framework of the task IEA 42. ENEA, Italian representative in the task IEA 42 on biorefineries in the circular economy, is proud to host this event in full coherence with its institutional role in the area of bioenergy, biorefineries and bioeconomy. The workshop has been locally organized by ENEA and supported by Novamont, European leader in the production of biobased and biodegradable plastics.

Registration and welcome

8:30- 9:40

Registration

8:30 - 9:00

Isabella de Bari (ENEA)

Workshop opening

9:00 - 9:10

Gian Piero Celata (ENEA)

Welcome in ENEA

9:10 - 9:20

Vito Pignatelli (ENEA)

Italian participation to the IEA Bioenergy – Biomass perspective in Italy

9:20 - 9:40

Session 1: IEA task 42 (chair: Bert Annevelink)

9:40-11:30

Bert Annevelink (Wageningen Food & Biobased Research)

An introduction to the IEA Bioenergy Task 42 Biorefining in a Circular Economy

9:40 - 10:00

Ed de Jong (Avantium)

Biobased products

10:00 - 10:20

Heinz Stichnothe (Thünen-Institut)

Role of future energy mixes on the environmental performance of biobased products from agricultural residues

10:20 - 10:40

Michael Mandl (TBW research)

Biorefineries fact sheets

10:40 - 11:00

COFFEE BREAK

Session 2: Policy and industry perspectives (chair: Mario Bonaccorso) 11:20-14:10

Mario Bonaccorso (Assobiotec-Federchimica/Cluster SPRING))	Industrial biotechnology as a driver for the sustainable and circular bioeconomy	11:20 - 11:40
Franco Cotana (University of Perugia)	Set plan perspective for renewable fuels and bioenergy	11:40 - 12:00
Massimiliano Schietroma (Fater)	An Innovative Bio-refinery for absorbent hygiene products	12:00 - 12:20
Tiziana Milizia (Novamont)	Novamont: A circular approach to bioeconomy to close the carbon cycle	12:20 - 12:40
Fabio Fava (University of Bologna) - Lucia Gardossi (University of Trieste)	The updated Italian Bioeconomy strategy: main priorities and actions	12:40 - 13:00
Carla Patinha (JRC)	Biorefinery contribution to a sustainable bioeconomy: techno-economic and environmental assessment	13:00 – 13:20

LUNCH (50 min)

Session 3: Research perspectives (chair: Isabella de Bari) 14:10-16:40

Isabella de Bari (ENEA)	Research and innovation in biorefineries: opportunities and challenges	14:10 – 14:30
Luigi Pari (CREA)	Innovation in biomass collection and supply.	14:30 - 14:50
Claudia Crestini (University of Venice)	Lignin in sustainable and circular bioeconomy: advances and challenges	14:50 - 15:10
Lucia Gardossi (University of Trieste)	Adding new value to bio-based products: biocatalysis for new functional polyesters and materials	15:30 - 15:50
Adriana De Stefanis (CNR- ISM)	Catalysts development for biorefineries	15:50 - 16:10
Antoine Harfouche (University of Tuscia)	Biotechnologies for biorefineries	16:10 - 16:30
	Conclusions	16:30 – 16:40

Registration and logistics

Registration is free of charge but mandatory. To register: http://www.enea.it/it/seguici/events/iea-task42_21nov2019/new-industrial-models-in-the-bioeconomic-era-the-biorefineries-1

More information on how to get to ENEA Headquarter, Lungotevere Thaon di Revel, 76 Rome, Italy:

From Roma Termini Railway Station get the subway train, Line A (red) – and stop at Flaminio. In Piazzale Flaminio (Flaminio Square), get the tram no. 2 to the tram terminal in Piazza Mancini (journey time: about 50 min)

About the organizers

Local organizing committee

Dr Isabella De Bari, ENEA, Italian representative in Task IEA 42, ENEA, Italy

Dr Aristide Giuliano, Researcher, ENEA Trisaia Research Centre, Italy

Dr Laura Di Pietro, Relations and Communications Unit, ENEA

IEA Bioenergy: An International Collaboration in Bioenergy. IEA Bioenergy's vision is to achieve a substantial bioenergy contribution to future global energy demands by accelerating the production and use of environmentally sound, socially accepted and cost-competitive bioenergy on a sustainable basis, thus providing increased security of supply whilst reducing greenhouse gas emissions from energy use.

Task IEA 42 – Biorefining in a Future Bioeconomy: The aim of the Task is to facilitate the commercialization and market deployment of environmentally sound, socially acceptable, and cost-competitive biorefinery systems and technologies, and to advise policy and industrial decision makers accordingly.