



UPDATES ON EVENTS AND PUBLICATIONS

The GLAMOUR project goes on!

Technical results are being successfully achieved across all work packages and the consortium is taking advantage of every opportunity to present the progress obtained in national and international events to attract stakeholders and inform them about the design, scale-up and validation of an integrated process that converts the waste bio-based feedstock such as crude glycerol into aviation and marine diesel fuels.

In this newsletter we present some of the most interesting conferences, workshops, fairs and exhibitions attended by the GLAMOUR partners, as well as the latest papers and publications released.

EVENTS ATTENDED



INTERNATIONAL FORUM ON INDUSTRIAL BIOTECHNOLOGY AND BIOECONOMY 2020

GLAMOUR joined IFIB2020, the International Forum on Industrial Biotechnology and Bioeconomy, which took place in Rome, from 1st to 2nd October 2020. The event represented the perfect opportunity to find potential partners for collaborations, business development, licensing agreements, joint ventures, research projects, exchange of

experiences and partnership opportunities. In this unique framework, the project was presented in the online poster session in front of stakeholders and key players of the European bio-based sector, where the objectives and aims of GLAMOUR were displayed.

THE EUROPEAN CONFERENCE ON FUEL AND ENERGY RESEARCH AND ITS APPLICATIONS

The European Conference on Fuel and Energy Research and its Applications (FERIA) has taken place for the first time at the University of Nottingham from 6th to 8th September 2021. This conference aimed to bring together researchers from universities and industry and those interested in applying the research in the industry. At the meeting, the GLAMOUR project was presented with a particular focus on the first step of the process, i.e., the purification of waste-based crude glycerol.



INTERNATIONAL FORUM ON INDUSTRIAL BIOTECHNOLOGY AND BIOECONOMY 2021

GLAMOUR attended IFIB 2021, the International Forum on Industrial Biotechnology and Bioeconomy, which took place in Trento (Italy) from September 30th to October 1st. The project, golden sponsor of the event, was showcased in the online poster session organized in the framework of the agenda of the international conference.

GLAMOUR aim and progresses were presented in front of stakeholders and key actors of the European bio-based sector.



THE 5TH H2020 BIOFUELS WORKSHOP

The 5th H2020 Biofuels Workshop was organized and virtually hosted by CINEA: the European Climate, Infrastructure and

Environment Executive Agency. The event, held from October 14th to 15th, brought together 33 biofuels projects which had the chance to discuss ideas for collaborative activities, synergies and opportunities. GLAMOUR joined the event represented by CiaoTech, partner responsible of the Dissemination & Exploitation task, and by the University of Manchester, the project coordinator which provided an overview on Glamour aims, objectives and progresses already achieved.



ECOMONDO 2021

GLAMOUR presented its aims and progresses to stakeholders and key actors of the Environmental and Circular Economy fields in the frame of Ecomondo, the green and circular economy expo held in Rimini (Italy) from 26th to 29th October 2021. The project participated in the online poster session of the 'Sustainable technological innovations for material and energy recycling and recovery' conference, which took place on October 26tth. More information about GLAMOUR latest

results were also available in the CiaoTech booth, where the project poster and other dissemination materials were available.







THE HEAT2FUEL FINAL DISSEMINATION EVENT

On April 27th, 2022, GLAMOUR joined the Final Dissemination Event of the Heat to Fuel project, hosted to showcase the final results achieved in the frame of the initiative. The event also gathered relevant projects active in the field of the next generation biofuels and, among them the GLAMOUR project, which was represent by the University of Manchester. Our coordinator displayed the project's aim and objectives, highlighting the most important results achieved so far.



INTERNATIONAL FORUM ON INDUSTRIAL BIOTECHNOLOGY **AND BIOECONOMY 2022**

GLAMOUR was presented to stakeholders and key actors of the European bio-based sector at IFIB: the International Forum on Industrial Biotechnology and Bioeconomy, which took place in Bari (Italy) from on September 29th and 30th 2022. The project joined the poster session organized in the frame of the event agenda and its results and progresses were

highlighted in front of Universities, R&D companies, service and consulting agencies, biotech industry, and bio-based research projects.



ECOMONDO 2022

GLAMOUR joined Ecomondo 2022: benchmark event in Europe for technological and industrial innovation in the field of green and circular economy, which took place in Rimini (Italy) from 8th to 11th November 2022. The Fcomondo week kicked off on November 8th with a presentation made by Marco Tomatis from The University of Manchester in the frame of the session "Waste as a Resources: innovative technologies recycling and recovery", providing a detailed description on the environmental impacts of crude glycerol purification in

comparison to energy recovery

On November 9th, CiaoTech organized and ran the GLAMOUR Industrial and Replication Workshop, held with the aim of discussing with stakeholders at industrial level and representatives of neighboring EU projects the process to transform waste glycerol from biodiesel plants into sustainable biofuels for aviation and maritime sectors.







Finally, GLAMOUR was also presented in the CiaoTech – PNO Group booth, hosted in the Bioeconomy pavillon (DI/stand 189) at Ecomondo, where consultants from CiaoTech provided to the visitors more information about the aim and scope of the project.



THE WASTE MANAGEMENT EUROPE CONFERENCE AND EXHIBITION

GLAMOUR presented its results and progress in the frame of the Waste Management Europe conference and exhibition, held in Bergamo (Italy) from 18th to 20th April 2023. The event brought together industry leaders, innovators, buyers, regulators and government to network, collaborate and debate the future of waste management and the sustainable

eco-friendly solutions urgently needed by our planet. Hosted in the CiaoTech – PNO Group booth, GLAMOUR showcased the latest achievements related to the exploitation strategy of the project results with the support of the dissemination materials.

OTHER EVENTS ATTENDED

- · UKCCSRC Conference poster session.
- · Sino-UK workshop on biomass conversion.
- RRB 2021.
- · ICH2P-2021.
- FUBCE
- · TCBiomass conference.
- · Semana de la Ciencia del CSIC 2021.
- 3D printed catalysts for Fischer Tropsch Conference.
- · Platform for H2 production from waste biomass with inherent negative emissions.
- EUBCE Waste Glycerol to H2 and Syngas via Chemical Looping Reforming.
- Chemical Looping 2022 Techno-Economic Assessment of Liquid Fuels Production Using Chemical Looping Process.
- Chemical Looping 2022 GLycerol to Aviation and Marine prOducts with sUstainable Recycling.
- · PIRC Chemical Looping Reforming in Gas to Liquid Plants.
- GHGT-16 Platform for H2 production from waste biomass with inherent negative emissions.
- · European Hydrogen Energy Conference 2022.
- Innovative catalyst development forum.
- · UCRA 22 Unconventional Catalysis, Reactors & Applications.
- PIRC 22 Process Integration Reserach Consortium.
- · Circular Economy Workshop.
- · Biofuels in the pathway to Net Zero.

PUBLICATIONS RELEASED

GLycerol to Aviation and Marine prOducts with sUstainable Recyclin

CiaoTech and The University of Manchester collaborated on a new article released on the spring edition of the European Energy Innovation journal. The publication describes the aims and objectives of this H2020 project and also provide an interesting overview on all the results already achieved. The article is available at page 13, at the following link.

Economic viability of biomass to liquid via Fisher-Tropsch

Siirtec Nigi has released an interesting feasibility study in which the economic feasibility of a BTL-FT plants in the context of the current fuel market and the conditions for the economic viability of an investments in BTL-FT plants are explored. Read the article Economic viability of biomass to liquid via Fischer-Tropsch" published by the Decarbonisation Technology magazine, May issue 2022.

Enhancing Waste Valorization for a Sustainable Industry

The publication, available on the July 2022 issue of the Open Access Government journal, has been prepared by our coordinator Vincenzo Spallina from University of Manchester to explain how Glamour is contributing in the development of next generation biofuel and alternative renewable fuel technologies for aviation and shipping. Read and download the article here.

GLAMOUR on La Repubblica

In the article, an overview of the report developed by CiaoTech – PNO Group which provides a combination of market outlook and technology intelligence, addressing the topic of advanced biofuels for aviation and maritime sector and considering the case study of the European project GLAMOUR.

New trends on crude glycerol purification: A review

Glycerol purification is the first step to prepare large quantity of 2nd generation bio-waste glycerol for conversion into valuable liquid fuels with the GLAMOUR technology. In this paper, the team in Argent Energy and the University of Manchester have provided a comprehensive review of existing and new promising technology to purify glycerol from 2nd generation bio-diesel plants. Download the issue here.

Glycerol to Biofuel: Market, Technologies and Players

Aimed at investigating the technological and market landscape, with the scope of promoting scale-up and replicability, in support of the project business case, the report "Glycerol to Biofuel: Market, Technologies and Players" developed by PNO consists of an original and holistic combination of market outlook and technology intelligence, addressing the topic of advanced biofuels for aviation and maritime sector. Read and download the report at this link.

A review of chemical looping reforming technologies for hydrogen production: recent advances and future challenges

This article is a review by TU/e on Chemical looping published by Eindhoven University of Technology. Check out the paper here.

Want to know more about GLAMOUR?

Visit the project website and keep following us on LinkedIn and Twitter to be always updated on the latest news!

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