



D7.2 Second technical workshop

Project Acronym	BioCatPolymers
Project Title	Sustainable and efficient bio-chemical catalytic cascade conversion of residual biomass to high quality biopolymers
GA Number:	760802
Topic:	BIOTEC-06-2017
Call Identifier:	H2020-NMBP-2016-2017
Type of Action:	IA (Innovation Action)
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Deliverable No & Title:	D7.2	Second technical workshop		
Work Package	7	Promotional activities and dissemination		
Task No & Title:	7.1	Dissemination and communication activities		
Lead Beneficiary:	CERTH			
Date:	Contracted	06/30/2021	Actual	06/30/2021
Status:	In Progress		Completed	X
Dissemination level:	Public			
Authors:	A. Kalogianni (CERTH)			



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1 Introduction - Aim

This deliverable reports on the 2nd technical workshop entitled “*Renewable chemicals via biotechnological and chemo-catalytic routes*”, organized in the frame of BioCatPolymers by CERTH, as part of Task 7.1 in WP7 Promotional Activities and Dissemination.

The workshop was combined with the BioCatPolymers stakeholders’ event in a one-day event and aimed to bring together researchers from industry and academia, industrial players, local stakeholders and policy makers to discuss recent advances in the production of high added value bio-based platform chemicals. It featured talks by prominent researchers on a wide range of topics in biomass conversion processes for the production of high added value products.

2 Organizational Information of the Workshop

2.1 *Date and location*

The workshop was held as a web event, via the webex platform, on Friday 4th June 2021.

Workshop title:	“Renewable chemicals via biotechnological and chemo-catalytic routes”
Date & Place of Organization:	Webex, 4 June, 2021
Organized by:	Centre for Research & Development Hellas (CERTH)
Language of the workshop:	English



2.2 Objectives and format








The main objective of the workshop was to bridge the academic/research and industrial worlds under the particular perspective of biochemicals technologies. More specifically, the 2nd BioCatPolymers workshop targeted to:

- provide a clear understanding of the BioCatPolymers technology and disseminate the final results of the project
- facilitate identification of problems
- attract industrial partners
- broaden the potential audience
- improve interaction by receiving input from the participants and
- create awareness among local stakeholders.

The BioCatPolymers workshop consisted of five (5) lectures from academia and industry, among them representatives of sister H2020 projects. As the workshop was combined with the stakeholders' event, the interaction between the participants was facilitated via the fruitful discussions at the end of both events, enabling networking opportunities and possible synergies between the academic and industrial world.


2.3 Workshop program





AGENDA

2 nd BioCatPolymers workshop	
<i>Chairman:</i>	<i>Dr Angelos A. Lappas, Research Director, CPERI/CERTH (GR)</i>
(CET)	Welcome – The H2020 BioCatPolymers project
09:30 – 10:00	<i>Dr Angelos A. Lappas, Research Director, CPERI/CERTH (GR)</i> <i>BioCatPolymers Project Coordinator</i>
10:00 – 10:30	Biobased monomer synthesis: is the cheapest vegetable oil the best choice? <i>Dr Jean-Luc Dubois, Arkema (FR)</i>
10:30 – 10:50	Strain engineering strategies for mixed-sugar feedstocks <i>Mr Brett Russell, Visolis (NL)</i>
10:50 – 11:10	Break
11:10 – 11:30	Heterogeneous catalysis in downstream processing of fermentation-derived intermediates for the production of high added value biochemicals <i>Dr Eleni Heracleous, CERTH (GR)</i>
11:30 – 11:50	Unravelling the complexity of plastics recycling: A holistic approach of C-PlaNeT EU project <i>Prof. Angeliki Lemonidou, AUTH (GR)</i>
11:50 – 12:30	Discussion
12:30 – 13:00	Break
Stakeholders' Event	
<i>Chairman:</i>	<i>Dr Eleni Heracleous, CERTH (GR)</i>
(CET)	Biomass pretreatment with CelluApp Technology
13:00 – 13:20	<i>Dr Tino Lassmann, SEKAB (SE)</i>
13:20 – 13:40	Fermentation and Down-Stream Processing Scale-Up: Tips and Tricks for Start-Ups <i>Dr Sander van Pelt, BPF (NL)</i>
13:40 – 14:00	From sugars to Mevalonolactone (MVL) and 3-Methyl-1,5-PentaneDiol (MPD): a promising sustainable process <i>Dr Wei Zhao, PDC (NL) /Ms Jasmine Bitar, Quantis (CH)</i>
14:00 – 14:20	Commercializing a new bio-based building block for production of elastomer and green solvent <i>Mr Erik Rutten, Visolis (NL)</i>
14:20 – 15:00	Discussion





This project has received funding from the European Union's Horizon 2020 research and innovation programme, under grant agreement Nº 760802.

2.4 Dissemination

The dissemination of the event was performed mostly via posts on the internet, via emails and informative printed material (brochures, posters). More specifically, the following dissemination channels were used:

- The announcement of the workshop was uploaded on the official BioCatPolymers webpage (<http://biocatpolymers.eu/news-events>), and also on the Coordinator's site (www.certh.gr), together with a registration form for on-line registration
- The workshop was also posted on the European Commission website as an upcoming event and on CORDIS.
- Communication with sister H2020 projects and invitations to speakers.
- A list of more than 1000 representatives of academic/research and business organizations was formed and invited via email to participate in the event.
- An informative brochure (Appendix A) about the venue of the event and the agenda of the workshop was generated and sent to the above mailing list.
- Dissemination of the 2nd BioCatPolymers workshop was achieved also via the publicity of the event in the social media, via several posts.

3 Workshop Main Results

Overall, the workshop on *“Renewable chemicals via biotechnological and chemo-catalytic routes”* can be considered very successful in terms of organization, execution and attendance.

The objectives of the BioCatPolymers workshop were successfully approached through representative presentations of promising R&D activities in the fields of strain engineering strategies, of biobased monomers synthesis, chemo-catalytic production of biochemicals and plastics recycling, promoting in this way networking between academic and industrial stakeholders (Figure 1).

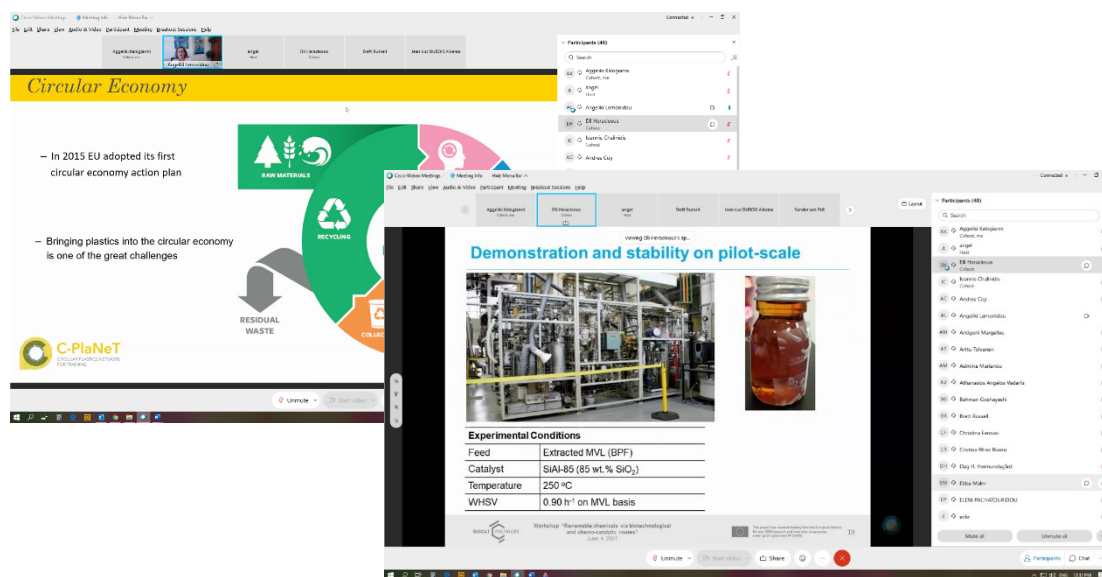


Figure 1. Presentations of the 2nd BioCatPolymers workshop.

The BioCatPolymers workshop brought together representatives of academic/research organizations and industry to discuss the current and future trends of biochemical technologies and markets. As the workshop was combined with the stakeholders' event, the interaction between the participants was facilitated via the fruitful discussions at the end of both events, enabling networking opportunities and possible synergies between the academic and industrial world.

The dissemination of the BioCatPolymers project was successfully combined with the event and promoted by an oral presentation of the coordinator (Dr. A.A. Lappas) at the opening of the workshop.

In terms of impact, the workshop was very successful, with 93 participants, coming from 14 different countries. Researchers from both academic/research and business organizations participated in the meeting (analytical list Appendix B). The figures below show the country distribution (Figure 2) and distribution between academia and industry among the participants (Figure 3).

Figure 2. Country distribution among the participants.

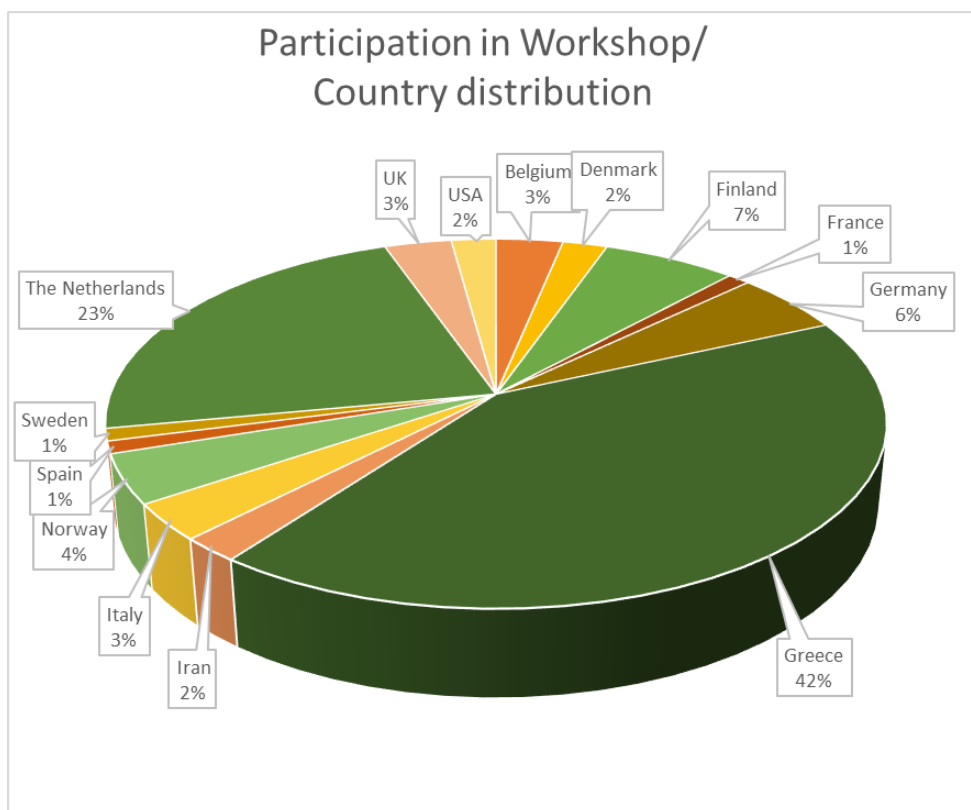
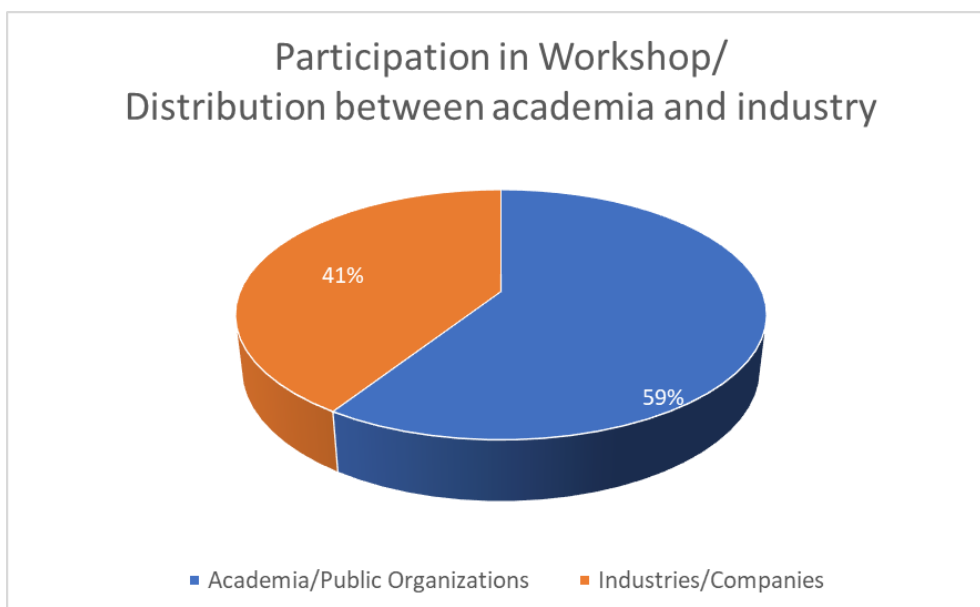


Figure 3. Distribution between academia and industry.



Appendix A. Brochure












**Invitation to the BioCatPolymers
2nd virtual Workshop & Stakeholders' Event**

***Renewable chemicals via biotechnological
and chemo-catalytic routes***
June 4, 2021

Web-place:
<https://certh.webex.com/certh/j.php?MTID=mb8cbacdd411e02fad0794f943b421259>

The 2nd BioCatPolymers workshop and the stakeholders' event entitled "*Renewable chemicals via biotechnological and chemocatalytic routes*", both organized as web-events in the frame of the BioCatPolymers H2020 project, aim to bring together researchers from industry and academia, industrial players, local stakeholders and policy makers, to discuss recent advances in the production of high added value bio-chemicals.

The agenda of the workshop and the stakeholders' event includes presentations from major industries active in bio-chemicals and related European-funded projects working on innovative bio-catalytic and chemo-catalytic process concepts.

Please register at <http://biocatpolymers.eu/registration-form> .





This project has received funding from the European Union's Horizon 2020 research and innovation programme, under grant agreement № 760802.

AGENDA

2nd BioCatPolymers workshop

Chairman:	<i>Dr Angelos A. Lappas, Research Director, CPERI/CERTH (GR)</i>
(CET)	Welcome – The H2020 BioCatPolymers project
09:30 – 10:00	<i>Dr Angelos A. Lappas, Research Director, CPERI/CERTH (GR)</i> <i>BioCatPolymers Project Coordinator</i>
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11:50 – 12:30	Discussion
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Stakeholders' Event

Chairman:	<i>Dr Eleni Heracleous, CERTH (GR)</i>
(CET)	Biomass pretreatment with CelluApp Technology
13:00 – 13:20	<i>Dr Tino Lassmann, SEKAB (SE)</i>
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14:00 – 14:20	Commercializing a new bio-based building block for production of elastomer and green solvent <i>Mr Erik Rutten, Visolis (NL)</i>
14:20 – 15:00	Discussion



Appendix B. Workshop Registrations

A/A	Name	Surname	Company / Institution	Country
1	Angelos	Lappas	CPERI/CERTH	Greece
2	Eleni	Heracleous	CPERI/CERTH	Greece
3	Aggeliki	Kalogianni	CPERI/CERTH	Greece
4	Eleni	Pachatouridou	CPERI/CERTH	Greece
5	Sander	van Pelt	BPF	The Netherlands
6	Wei	Zhao	Process Design Center	The Netherlands
7	Brett	Russell	Visolis B.V.	The Netherlands
8	Erik	Rutten	Visolis B.V.	The Netherlands
9	Angel	Fuentes-Mateos	EU	Belgium
10	Tino	Lassmann	SEKAB E-technology	Sweden
11	Angeliki	Lemonidou	AUTH	Greece
12	Jean-Luc	Dubois	Arkema	France
13	Jasmine	Bitar	Quantis	Italy
14	Hans	Keuken	Process Design Center	The Netherlands
15	Raf	Roelant	Process Design Center	The Netherlands
16	Hank	Vleeming	Process Design Center	The Netherlands
17	Vasiliki	Tzelepi	CERTH	Greece
18	Stylianos	Stefanidis	CPERI/CERTH	Greece
19	Evangelos	Topakas	National Technical University of Athens	Greece
20	Vasileia	Yfanti	Aristotle University of Thessaloniki	Greece
21	Matthijs	Lansu	Ashland specialty ingredients	The Netherlands
22	Stavros-Alexandros	Theofanidis	Aristotle University of Thessaloniki	Greece
23	Georgia	Ioannidou	Aristotle University of Thessaloniki	Greece
24	Villy	Zacharopoulou	CERTH	Greece
25	Giannis	Penloglou	CERTH	Greece
26	Dimitris	Georgantas	GF ENERGY	Greece
27	Konstantinos	Triantafyllidis	Aristotle University of Thessaloniki	Greece
28	Francesca	Martelli	Aristotle University of Thessaloniki	Greece
29	Laurens	Delva	Ugent	Belgium
30	Manon	Lisiecki	Technical University of Denmark	Denmark
31	Morteza	Zare	Marun petrochemical co.	Iran
32	Stian	Hegdahl	University of Bergen	Norway
33	Solmaz	Ghoreishi	University of Bergen	Norway
34	Ronald	de Vries	Westerdijk Fungal Biodiversity Institute	The Netherlands
35	Dujuan	Liu	Westerdijk institute	The Netherlands
36	Miia	Mäkelä	University of Helsinki	Finland

37	Bahman	Goshayeshi	University of Ghent	Belgium
38	Astrid	Mueller	Westerdijk Institute Westerdijk Fungal	The Netherlands
39	Agata	Terebieniec	Biodiversity Institute	The Netherlands
40	Klaus	Lenz	SYNCOM GmbH	Germany
41	Maria	Touraki	AUTH	Greece
42	Alexandros	Spanos	Aristotle university of Thessaloniki	Greece
43	Eleftheria	Athanasiadou	CHIMAR HELLAS SA	Greece
44	Athanasia	Profyllidou	Aristotle University of Thessaloniki	Greece
45	Fani	Fousika	AUTH	Greece
46	Vardis	Gaitanis	AUTH	Greece
47	Konstantin os Styliani	Papamonioudis	AUTH	Greece
48	Aikaterini	Drosopoulou	AUTH	Greece
49	Anastasia	Aslanoglou	AUTH	Greece
50	Dimitris	Mandis	AGMPM	Greece
51	Stamatia	Karakoulia	CERTH	Greece
52	Ioanna	Alexandri	Swansea University	UK
53	Asimina	Marianou	CPERI/CERTH	Greece
54	Efstathia	Tsarouchi	CPERI/CERTH	Greece
55	Niki	Dimou		Greece
56	Olivier	Segers	Zuyd University	The Netherlands
57	Panagiotis	Boutikos	CERTH	Greece
58	Amanda	Young	Pine Chemicals Association International	Florida, USA
59	Christos- Marios	Efthymiou	Democritus University of Thrace	Greece
60	Jayaja	Pannikodeputhan veettil	Becton Dickinson	Denmark
61	Aikaterinh- Sotiria	Argyriou	Panteion University of Social and Political Sciences	Greece
62	Mahdi	Khoaverdi	Saba	Iran
63	Kristoffer	Herdlevær	University of Bergen	Norway
64	Dimitrios	Giannakoudakis	AUTH	Greece
65	Joris	Mertens	KBC Process Technology	The Netherlands
66	Gary	Diamond	Stora Enso	UK
67	Pieter	Koenraads	Piko Consultancy	The Netherlands
68	Mounir	Izallalen	Eastman Chemical Company	USA
69	Cristina	Pérez Rivero	Beiersdorf	Germany
70	Petri	Iassila	Storaenso International oy	Finland
71	Tania	Ioannidou	Department of Chemistry AUTH	Greece
72	Antigoni	Margellou	Aristotle University of Thessaloniki	Greece
73	Erisa	Saraci	Karlsruhe Institute of Technology	Germany

	Athanasios		Institut für Katalyseforschung	
74	Angelos	Vadarlis	und -technologie (IKFT), K.I.T.	Germany
75	Karoliina	Haapanen	Valmet Technologies, Inc.	Finland
76	Ivan	Das	Rabobank Project Finance	The Netherlands
77	Arttu	Tolvanen	Valmet	Finland
78	Marcelo	Hamaguchi	Stora Enso	Finland
79	Mónica	García-Ruiz	ICP-CSIC	Spain
80	Geert	Noordzij	Plantics	The Netherlands
81	Paraskevi	Komicheili	AUTH	Greece
82	Kyriazis	Rekos	AUTH	Greece
83	Dag Helge	Hermundsgård	University of Bergen	Norway
84	Andres	Moreno Coy	Clariant Produkte (Deutschland)	Germany
			Organization/Company:	
85	Jaap	Bergwerff	Albemarle Catalysts	The Netherlands
86	Alexander	Overman	Zuyd Hogeschool	The Netherlands
87	Anna	Russell		UK
88	Eleni	Salonikidou	AUTH	Greece
89	Ashley	kweens	Visolis	The Netherlands
90	Ebba	Malm	Valmet	Finland
91	Mohamed	Mahmoud	Process Design Center	The Netherlands
92	Stefano	Chiaberge	Eni	Italy
93	Davide	Tonon	Quantis	Italy