



D7.3 BioCatPolymers website

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)
Website	www.biocatpolymers.eu
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Deliverable No & Title:	D7.3	BioCatPolymers website		
Work Package	7	Promotional activities and dissemination		
Task No & Title:	7.2	Website		
Lead Beneficiary:	CERTH			
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Dissemination level:	Public			
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1 Introduction

The main objectives of the creation of the BioCatPolymers website is the dissemination, communication and maximization of the impact of the project results to the public audience of BioCatPolymers. The project website is the online source for communication of general information, progress, key achievements and events during the project and is being continuously updated.

Apart from providing information open to the wider public and relevant stakeholders (scientific community, industry, policy makers etc), the website has an additional functionality, providing support to the project beneficiaries, via a platform of confidential documents and within an intranet area, restricted to the Consortium members. The design and operation of the website is managed by the coordinator, CERTH.

The aim of this deliverable is to describe the actions that were undertaken to develop the project's website and also provide information regarding the structure and the content of the website.

2 Website presentation and structure

The website domain was registered with the project's code name as www.biocatpolymers.eu, which was easy to remember and directly connected to the project's scope. The interface was designed based on current website development trends, while the structure and content were created based on successful examples of other EU funded research projects.

The initial version of the website was prepared during the first 2 months of the project and its final version was developed by Month 6. In all of its content a clear indication of the EU support is given. The generic structure of the website is organized according to the following sections:

- Introductory page (Home) that includes a short description of the project concept.

- About category that includes further information of the project identification, the objectives, the project technology and work plan.
- A description of the BioCatPolymers Consortium
- A dissemination section that includes publications, deliverables and newsletters.
- News & events section that includes a presentation and description of the project's events and other relevant events.
- Useful links to webpages related to the project
- Contact details
- Search machine
- Intranet section, where various confidential and useful documents are deposited and are available to all the partners.

The content of the webpage is being updated regularly. All available information has already been uploaded. A short description of each website's section is provided in the following pages along with some representative screenshots.

2.1 Home

Looking at the "Home" page, one can see the structure of the webpage and can browse through all the pages and return again to the homepage very easily (Figure 1). An easy-to-navigate webpage was created so that all the information on BioCatPolymers page can be easily accessed even by people with small experience with computers and the Internet.

There is also a search machine, within the site only, in order to find something specific in all pages of the website. The log-in button for the intranet area is also shown on the top left corner. Standard items on the page are: i) the project logo, which is placed on the top of the frame, ii) reference to the EU contribution accompanied by the EU emblem, which is linked to the European Commission Research and Innovation webpage, are shown at the bottom, and iii) the contact details also shown at the bottom. A short introduction to the project, followed by the logos of the project beneficiaries, and the latest news are placed at the center of the page.

BIOCAT POLYMERS

HOME ABOUT CONSORTIUM DISSEMINATION NEWS & EVENTS LINKS CONTACT

Sustainable and efficient bio-chemical catalytic cascade conversion of residual biomass to high quality **biopolymers**

BioCatPolymers Project

BioCatPolymers is a 3-year European project funded by the European Union's Horizon 2020 research and innovation programme under grant agreement No 702862.

The main objective of BioCatPolymers is to demonstrate a cost-effective, sustainable and efficient cascade technological route for the conversion of low-value, low-quality residual biomass to bio-polymers with equal or better performance than their fossil-based counterparts.

BioCatPolymers is specifically aiming at the efficient and economic production of isoprene and 1-methyl-3,5-pentadiol (MMPD), two monomers with very large markets that can be further processed in the existing infrastructure for fossil-based polymers for the production of elastomers and polyurethanes, respectively.

The BioCatPolymers consortium comprises 7 legal entities within five EU Member States (Greece, Germany, Sweden, Netherlands, UK) and one Associated Member State (Switzerland). The project is coordinated by the Centre for Research & Technology Hellas (Greece). The other partners include: SEKAB Biorefinery & Chemicals AB (Sweden), Vivalis Technologies Ltd. (United Kingdom), Bioprocess Pilot Facility B.V. (Netherlands), Process Design Center (Netherlands), Quantis (Switzerland) and Covestro Deutschland AG (Germany).

NEWS

Kick-off Meeting of BioCatPolymers project, Brussels 10-11 January 2018

On the 10th & 11th of January, 2018, the kick-off meeting of the BioCatPolymers project was held in Brussels, in the European Commission building "Covent..."

The BioCatPolymers project has received funding from the Horizon 2020 Programme of the EU, under Grant Agreement No 702862.

ABOUT BIOCATPOLYMERS **LINKS** **LATEST NEWS** **CONTACT INFO**

Sustainable and efficient bio-chemical catalytic cascade conversion of residual biomass to high quality biopolymers.

[BioCatPolymers description on CORDIS](#)

Kick-Off Meeting Of BioCatPolymers Project, Brussels 10-11 January 2018
January 09 2018

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Figure 1. Home page

2.2 About

The “About” page contains further information about the project, presenting the main objectives of the project along with the duration, the budget, the work plan and other characteristics of the project (Figure 2). There is also a subpage called “Technology”, which refers to the novel technology proposed in BioCatPolymers (Figure 3).

Project

BioCatPolymers will demonstrate a cost-effective, sustainable and efficient cascade technological route for the conversion of low-value, low-quality residual biomass to biopolymers with equal or better performance than their fossil-based counterparts.

BioCatPolymers is specifically aiming at the efficient and economic production of isoprene and 3-methyl 1,5-pentanediol (3MPD), two monomers with very large markets that can be further processed in the existing infrastructure for fossil-based polymers for the production of elastomers and polyurethanes, respectively.

This ambitious target will be attained by optimizing and demonstrating the entire value chain, starting from the pre-treatment of low quality biomass to biological fermentation to MVL, separation of MVL from the fermentation broth, selective catalytic conversion to the targeted monomer, purification to polymer grade quality and polymerization to the final polymer product.

The novel approach proposed in this project surpasses the impediments of traditional solely bio-based approaches. It aims at producing bio-isoprene at 50% cost reduction and 3MPD at 70% cost reduction compared to average market prices, by optimizing the platform cell factories and all downstream processes and integrating the process

Process Flow Diagram:

```

    graph TD
      A[Residual biomass] --> B[Pretreatment]
      B --> C[Fermentation]
      C --> D[Separation]
      D --> E[Thermo-catalytic conversion]
      E --> F[Purification/ Polymerization]
      F --> G[Bio-polymers]
  
```

Facts

PROJECT ACRONYM	BioCatPolymers
PROJECT TITLE	Sustainable and efficient bio-chemical catalytic cascade conversion of residual biomass to high quality biopolymers
PROJECT REFERENCE	760802
CALL IDENTIFIER	H2020-NMBP-2016-2017
THEME	Call for nanotechnologies, advanced materials, biotechnology and production
TOPIC	BIOTEC-06-2017
TYPE OF ACTION	IA (Innovation action)
COORDINATOR	CERTH
CONSORTIUM	7 beneficiaries from 6 countries, including 1 research center, 1 non-profit organization, 2 large companies & 3 SMEs
START	1/1/2017
DURATION	36 Months
BUDGET	5,668,145.00 €
FUNDING	4,362,076.50 €

Work plan

The project consists of three dedicated WPs for management (WP8), exploitation (WP6) and dissemination of the results (WP7) and five technical WPs, WP1 to WP5. WPs 1-3 will undertake the optimization and validation of the key steps in the proposed technology from raw feedstock to the targeted bio-based monomers and polymers, namely pretreatment and hydrolysis (WP1), fermentation and separation (WP2) and thermocatalytic conversions (WP3). WP4 will validate the entire technology chain at large pilot scale level (TRL 6), based on optimized process conditions and catalysts for all the technologies involved. WP5 will cover the value-chain analysis under industrially relevant environments including scale-up engineering, conceptual process design and costing of the technology, as well as environmental impact analysis. Risks, economic viability and business plan development will be addressed in WP6.

Figure 2. About page

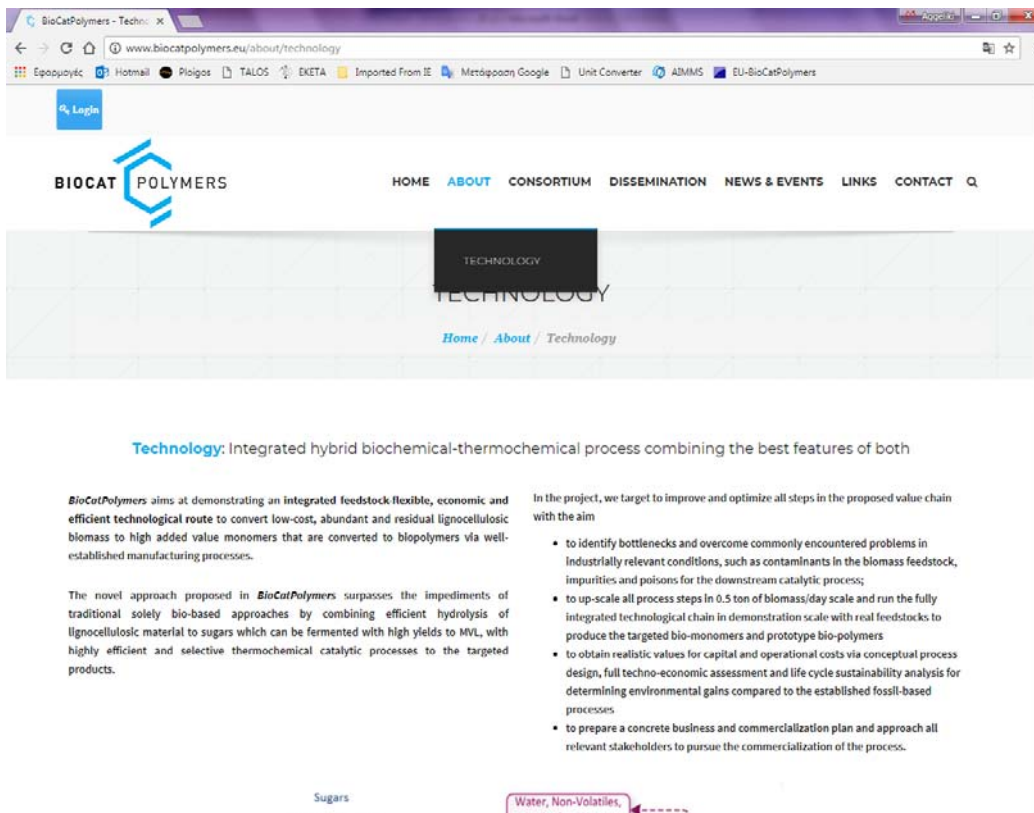


Figure 3. Technology subpage

2.3 Consortium

A presentation of the Consortium Members along with links to their homepages is available at this section (Figure 4).

2.4 Dissemination

There are three subpages at the dissemination section, for: i) Publications, ii) Deliverables, and iii) Newsletters.

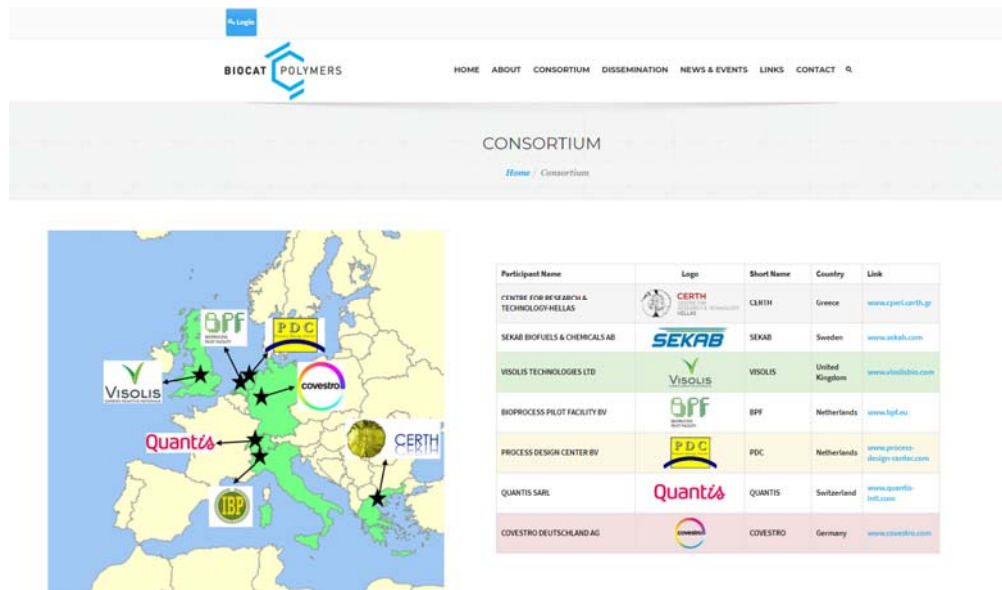


Figure 4. Consortium page

2.5 News & Events

Information regarding the latest news, achievements, events in terms of the BioCatPolymers project are being upload on the News & Events page (Figure 5).

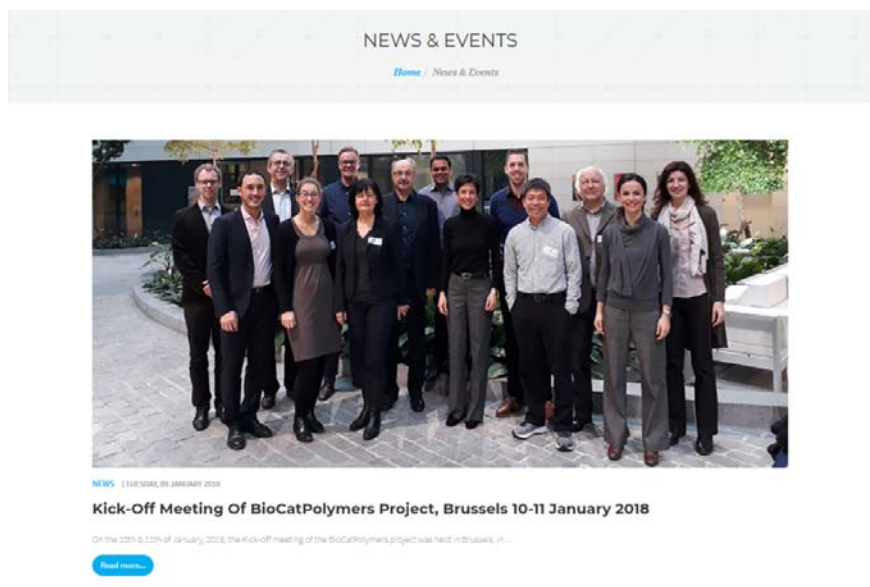


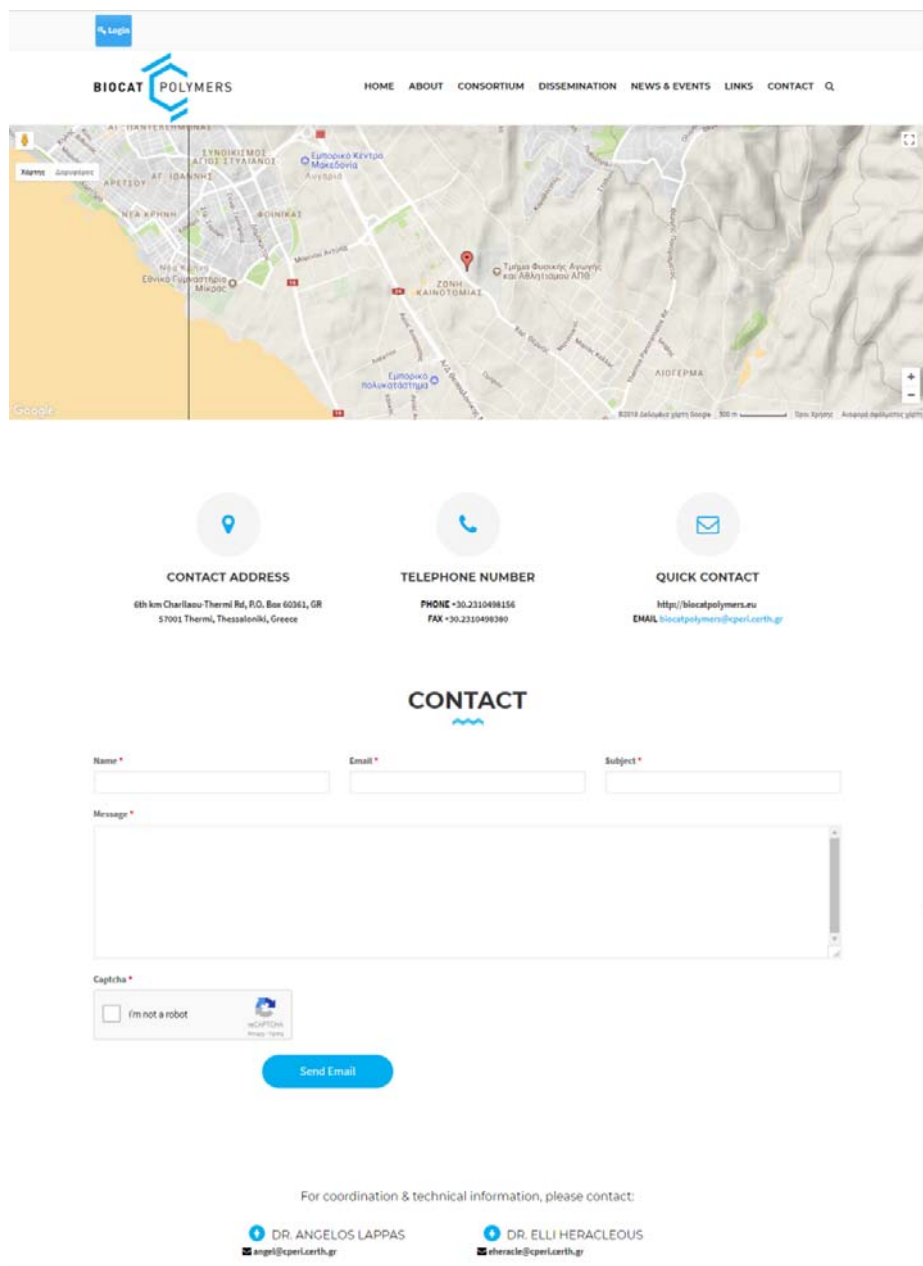
Figure 5. News & Events page

2.6 Links

A list of links to information related to the project is presented at this section.

2.7 Contact

This page contains the coordinator’s contact details as well as a map and an e-mail form (Figure 6).



BIOCAT POLYMERS HOME ABOUT CONSORTIUM DISSEMINATION NEWS & EVENTS LINKS CONTACT Q

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FAX +30.2110498390

QUICK CONTACT
<http://biocatpolymers.eu>
EMAIL biocatpolymers@cpel.leonh.gr

CONTACT

Name * Email * Subject *

Message *

Captcha * I'm not a robot 

[Send Email](#)

For coordination & technical information, please contact:

DR. ANGELOS LAPPAS
angel@cpel.leonh.gr

DR. ELLI HERACLEOUS
eheracle@cpel.leonh.gr

Figure 6. Contact page

2.8 Search machine

By pressing the symbol of the magnifying glass the search machine of the site is activated. With the simple use of keywords, links to their references within the site are revealed (Figure 7).

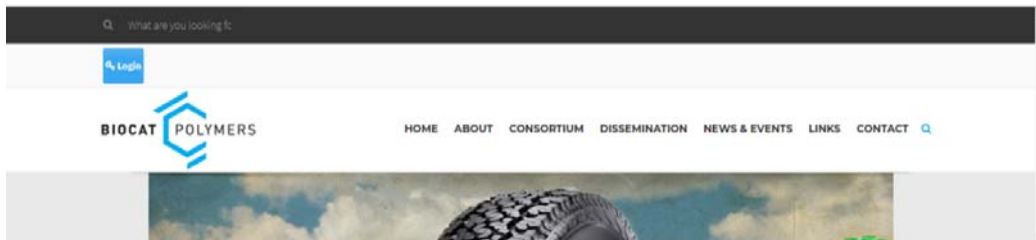


Figure 7. Search machine

2.9 Login

A transparent flow of information across Work Packages (WPs) is ensured by the use of a secured intranet facility hosted by CERTH, where all deliverables, official documents, templates, meeting minutes and presentations etc from the project are available. This helps to ensure good information flow between activities in separate WPs and further contributes to the progress of the actions of the project.

The access to the intranet area of BioCatPolymers project has been granted only to the beneficiaries of the project. In order to enter the intranet, the use of username and password is required (Figure 8). Once the log-in is completed the menu appears on the top of the page (Figure 9). The menu includes:

- Official documents
- Deliverables (confidential)
- Project reports
- Useful documents (Guidance documents, Consortium bodies, Templates, Contact Details of all members)
- Meetings (agendas, minutes, presentations)
- Events (presentations, etc.)

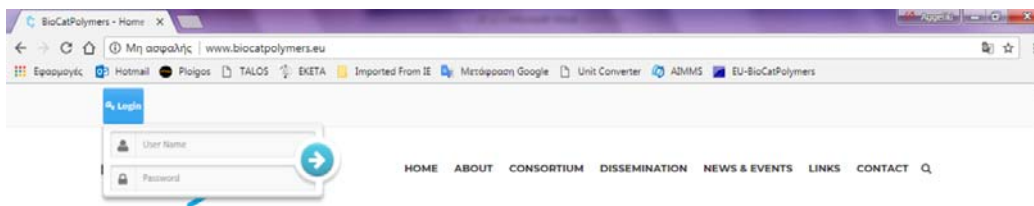


Figure 8. Access to Login page

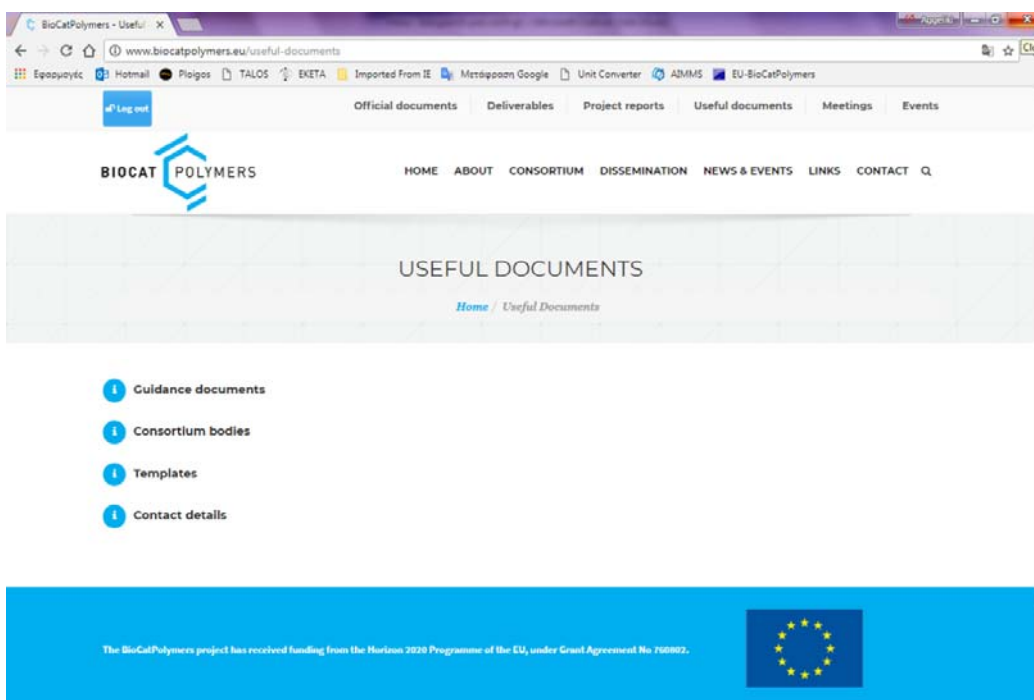


Figure 9. Login page

3 Summary

The website is the main dissemination tool providing available, valuable and updated information and instructions to the consortium partners (intranet) and all relevant stakeholders and wider public. The setup of the website has finished within the timeframe defined by the project. The result from the above action is the development of a well-structured, user-friendly web-site, which will be regularly updated with news, events and other useful information related to the project.