

# BioMates

## Deliverable D 7.1: BioMates webpage

*Version 01*

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Version:	01
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Submitting party:	CERTH
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Verification:	The web-page itself, with pages presenting 1. the overall project approach, 2. the WPs, 3. The partners.

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## 1. Preface

This report Webpage describes in detail the BioMates project website, including its scope, structure and key information, as the main project tool to display the project's identity and to raise awareness for its outcomes.

In Chapter 2 the webpage dissemination objectives are presented, while in Chapter 3 the webpage structure and information included will be outlined. The webpage updates and maintenance procedure will be presented in Chapter 4, and the EU Law compliance of the Website regarding "cookies" policy will be presented in Chapter 5.

The BioMates project web-page was launched on December 23, 2016, under the domain name biomates.eu. The project webpage is associated with Task 7.4 "Web-based dissemination & internal communication", while its release renders the 2nd project milestone MS2 due in Month 3.

The website has been developed with a Joomla template (version 3.6.5) which CERTH purchased for the purposes of the BioMates project. There will be a continuous update of this template in order to be compliant with the latest security features for maximum protection against all kind of attacks from the internet.

## 2. Webpage objectives

The BioMates webpage is the key dissemination tool of the project objectives, results and activities, addressed to specific target groups (potential commercial implementers, scientific community) as well as general public. Furthermore, it is envisioned that the webpage will be the port for the internal communication platform between the project partners.

The design of the BioMates webpage has the following goals:

1. User-friendly environment for the core audience
2. Improved visual design and content structuring (reduced clutter)
3. Project identity leveraged to establish positive recall with the visitor
4. Fast and easy navigation within the website
5. Core technologies/products more visible to first-time users and easily available to repeat users

## 3. Webpage structure and information

One of our first actions immediately after the beginning of the project was to build a simple and comprehensive website, easy to find and access by all internet users, in which key project related information and news about the project are uploaded. As the project is related to Bio-based Refinery Intermediates and has the abbreviated name "BioMates", a website domain was registered with the project name, enabling the direct association with the project's scope. The project website is developed under the domain name [www.biomates.eu](http://www.biomates.eu), while there have been reserved domains for all participating countries (see Table 1) which are linked with the main domain.

The official language for the BioMates website is English, however it is envisioned that the key project idea will be presented in all languages of the participating countries (see Table 1).

The design and operation of the website was conducted by CERTH, after consultation with the other project participants. The main website structure and content of the first release version was agreed during the kick-off

meeting (30.11.2016). The project participants were requested to provide additional info from their organization as well as technical related info by December 15, 2016.

**Table 1. Domain names of BioMates webpage**

Domain name	Description/purpose	Language(s)
biomates.eu	Main project website	English
biomates.org	Alternative entry point (a simple link to the main website), just to secure the name	-
biomates.de	Entry point with local-language introduction	English/German
biomates.gr	Entry point with local-language introduction	English/Greek
biomates.nl	Entry point with local-language introduction	English/Dutch
biomates.co.uk	Entry point with local-language introduction	English
biomates.cz*	Entry point with local-language introduction	English/Czech

\* To be confirmed

The website structure and content was created based on CERTH's past EU-project web design experience as well as other EU project websites that had the desired characteristics (see section 2). A short description of each website section is provided below, along with some representative screenshots.

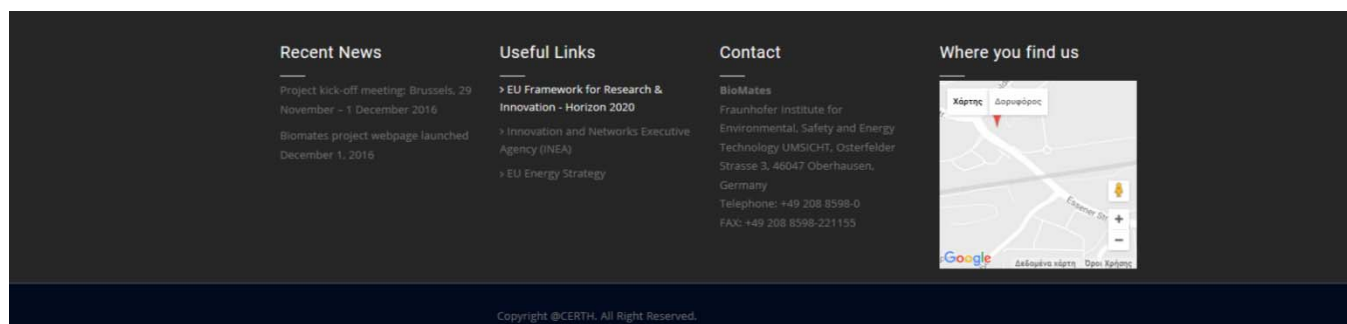
### 3.1. Webpage menu toolbar & footer

The menu toolbar is on top of every section of the webpage. As it is depicted in Figure 1, the menu toolbar consists of the project logo as well as the main sections of the webpage, i.e. Home, Objectives, Partners, Results, News and Contact. Some of these sections have subsections that can be accessible upon placing the mouse over the desired menu while allowing a drop-down menu of the associated subsections to appear.



**Figure 1. Webpage menu toolbar**

The webpage footer is located on the bottom of every section of the webpage. It provides quick information regarding the latest news, useful project links as well as contact information of the BioMates project (see Figure 2). The footer background colour is distinct, in order to show it as an independent part of each section.



**Figure 2. Webpage footer**

### 3.2. Section “HOME”

The “HOME” section is the central project webpage via which all sections are easily accessible. This home page includes a short overview of the proposed BioMates objectives and process, as well as acknowledgement of the funding provided by the Horizon 2020 program. Furthermore the “HOME” section is accessible by all pages via the menu toolbar “HOME” button, allowing easy and fast return from every section or subsection the reader is currently at. A snapshot of the project “Home” section is shown in Figure 3, which depicts all information contained, including a representative photo of straw fields aiming to associate the project webpage with agricultural residues.

**BioMates**  
Reliable Biobased Refinery Intermediates

HOME OBJECTIVES PARTNERS RESULTS NEWS CONTACT

#### About us

The BioMates project aspires in combining innovative 2nd generation biomass conversion technologies for the cost-effective production of bio-based intermediates (BioMates) that can be further upgraded in existing oil refineries as renewable and reliable co-feedstocks. The resulting approach will allow minimisation of fossil energy requirements and therefore operating expense, minimization of capital expense as it will partially rely on underlying refinery conversion capacity, and increased bio-content of final transportation fuels.

#### BioMates Process

The BioMates approach encompasses innovative non-food/non-feed biomass conversion technologies, including **ablative fast pyrolysis (AFP)** and single-stage **mild catalytic hydrotreating (mild-HDT)** as main processes. Fast pyrolysis **in-line-catalysis** and fine-tuning of BioMates-properties are additional innovative steps that improve the conversion efficiency and cost of BioMates technology, as well as its quality, reliability and competitiveness. Incorporating electrochemical  $H_2$ -compression and the state-of-the-art **renewable  $H_2$**  production technology as well as **optimal energy integration** completes the sustainable technical approach leading to improved sustainability and decreased fossil energy dependency.

The proposed technology aims to effectively convert residues and non-food/feed plants or commonly referred to as 2nd Generation (straw and short rotting coppice like miscanthus) biomass into high-quality bio-based intermediates (BioMates), of compatible characteristics with conventional refinery conversion units, allowing their direct and risk-free integration to any refinery towards the production of hybrid fuels.

#### With European Commission support

The current framework strategy for a Resilient Energy European Union demands energy security and solidarity, a decarbonized economy and a fully-integrated and competitive pan-European energy market, intending to meet the ambitious 2020 and 2030 energy and climate targets (COM(2014)15 final, COM(2015)80 final). Towards this goal, the European Commission is supporting the BioMates project with a subsidy of 5.9 Million Euro via the Horizon 2020 program for validating the proposed innovative technological pathway, in line with the objectives of the [LCE-08-2016-2017 call](#). The BioMates approach for decarbonizing the transportation fuels will be demonstrated demonstrated via pilot units in industrially relevant environment ("Technology Readiness Level" 5). This will allow for the development of an integrated, sustainability-driven business case encompassing commercial and social exploitation strategy.

The content of this webpage reflects only the authors' view. The European Commission and the Innovation and Networks Executive Agency (INEA), representing the European Commission in terms of this project, are not responsible for any use that may be made of the information it contains.

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**Recent News**

- Project kick-off meeting: Brussels, 29 November - 1 December 2016
- BioMates project webpage launched: December 1, 2016

**Useful Links**

- > EU Framework for Research & Innovation - Horizon 2020
- > Innovation and Networks Executive Agency (INEA)
- > EU Energy Strategy

**Contact**

**BioMates**  
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**Where you find us**

Map showing the location of BioMates in Oberhausen, Germany.

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Figure 3. “HOME” section – Project introduction

### 3.3. Section “OBJECTIVES”

The “OBJECTIVES” section includes a list of all technological, environmental, economic and social objectives associated with BioMates, as well as the impact expected via this project. The aim of this section is to present all project objectives associated with the proposed technology, environmental impact, economic potential and societal impact.

The “Technological objectives” as the main premise of the BioMates project, have a central page shown in Figure 4 which presents all four technological axes. Each axis is linked with an individual subsection as shown in Figure 5, Figure 6, Figure 7, Figure 8. Each technological axis has a short description and associated photo.

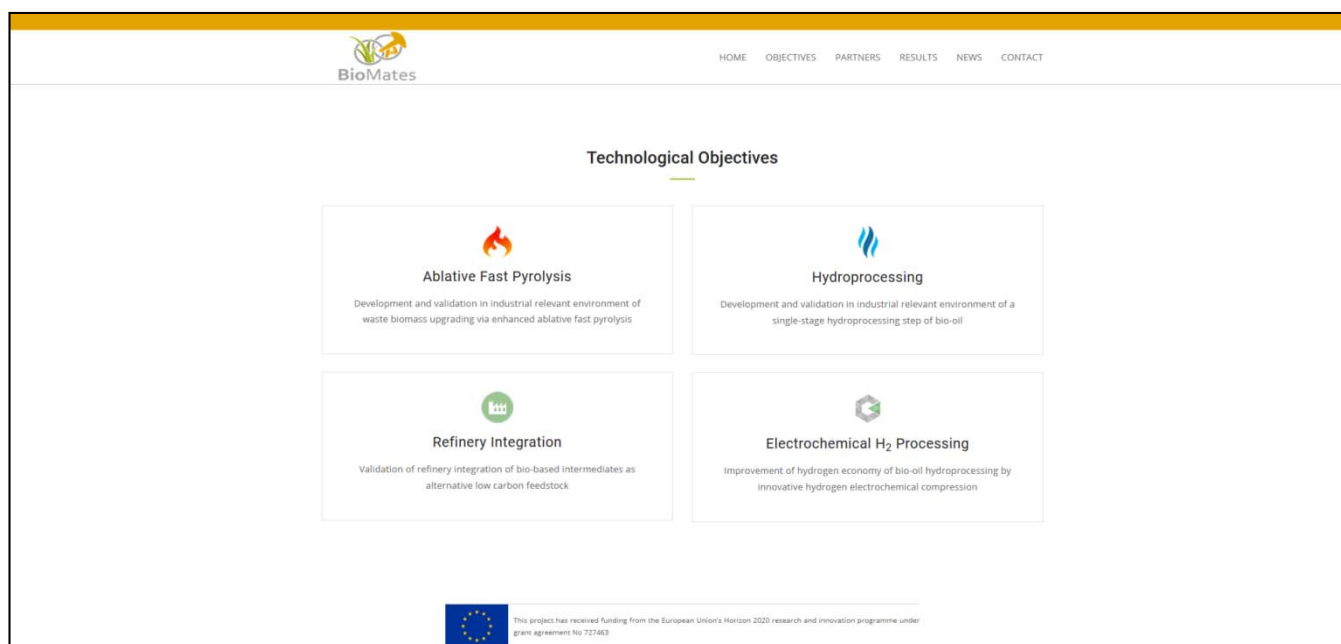


Figure 4. Technological objectives main menu (“OBJECTIVES”)

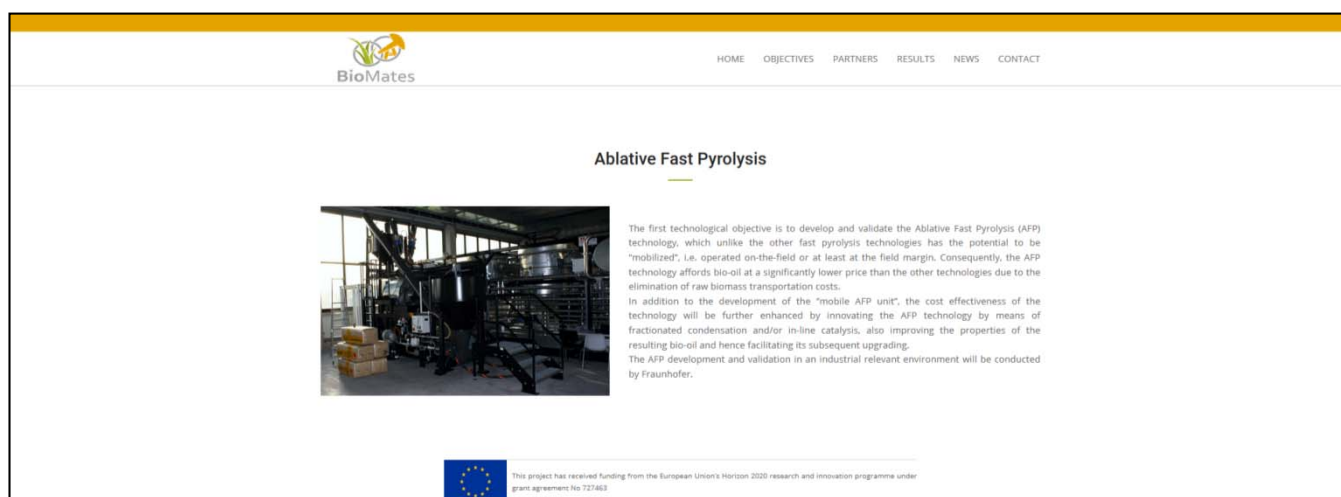


Figure 5. Technological objectives: Ablative Fast Pyrolysis (“OBJECTIVES”)

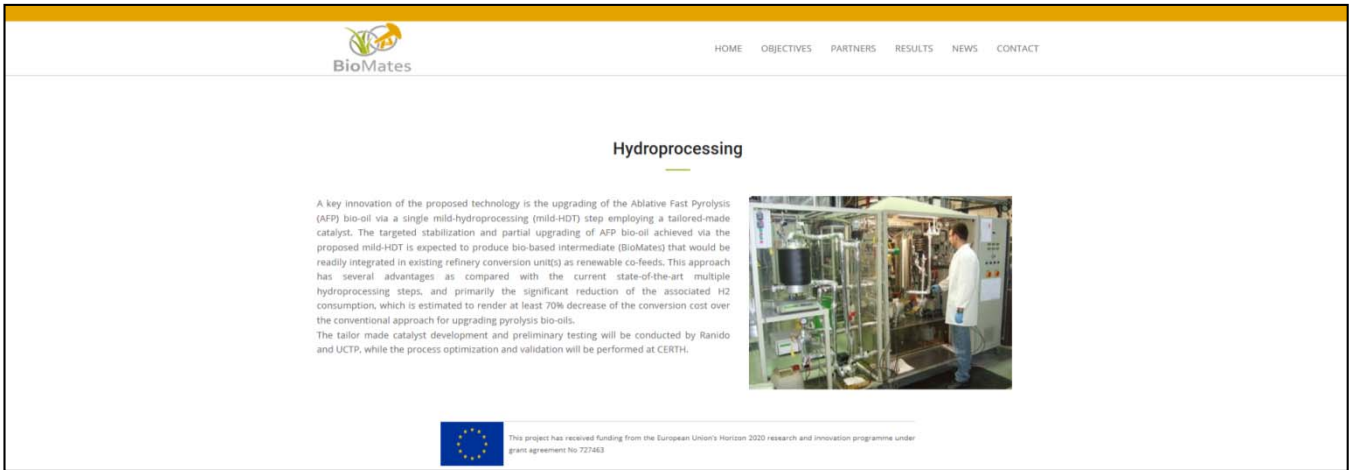


Figure 6. Technological objectives: Hydroprocessing (“OBJECTIVES”)

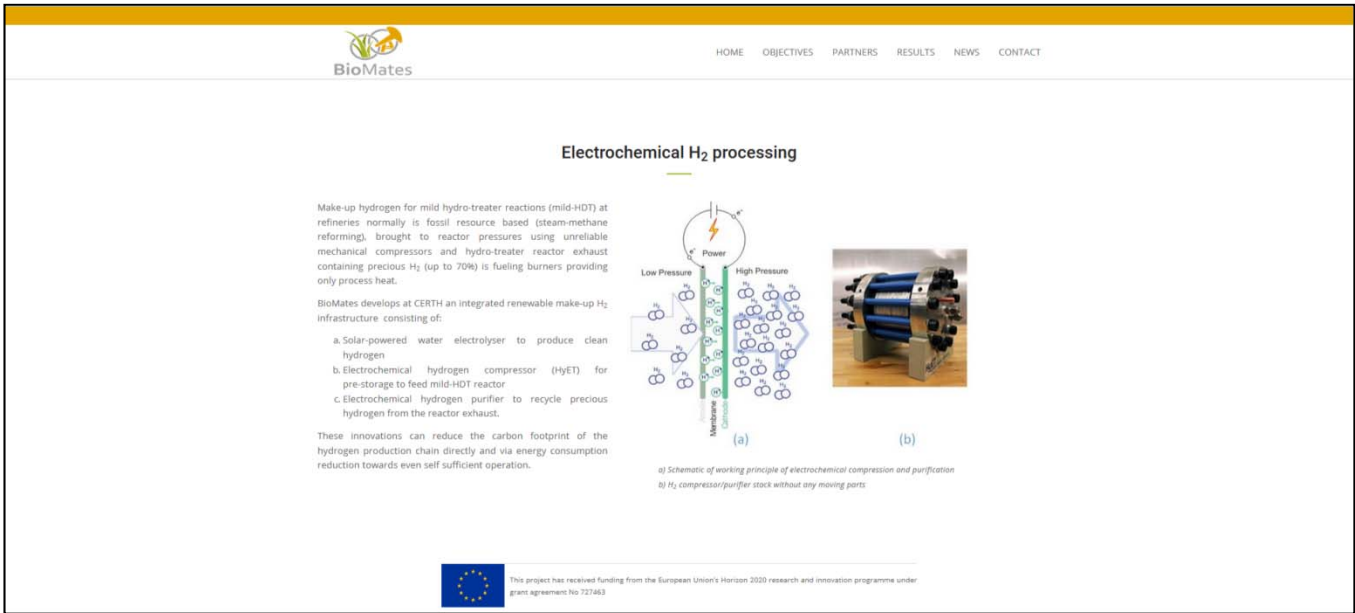


Figure 7. Technological objectives: Electrochemical H<sub>2</sub> processing (“OBJECTIVES”)



Figure 8. Technological objectives: Refinery integration (“OBJECTIVES”)

The environmental, economic and social objectives presented in the webpage are shown in Figure 9, Figure 10 and Figure 11 respectively, while the expected project impact is presented in Figure 12.



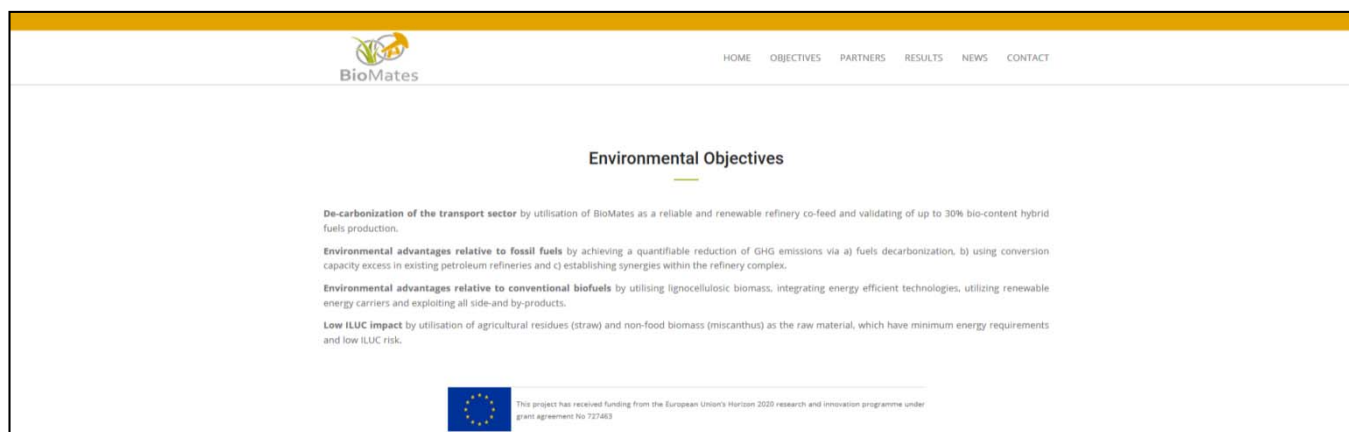


Figure 9. Environmental objectives ("OBJECTIVES")

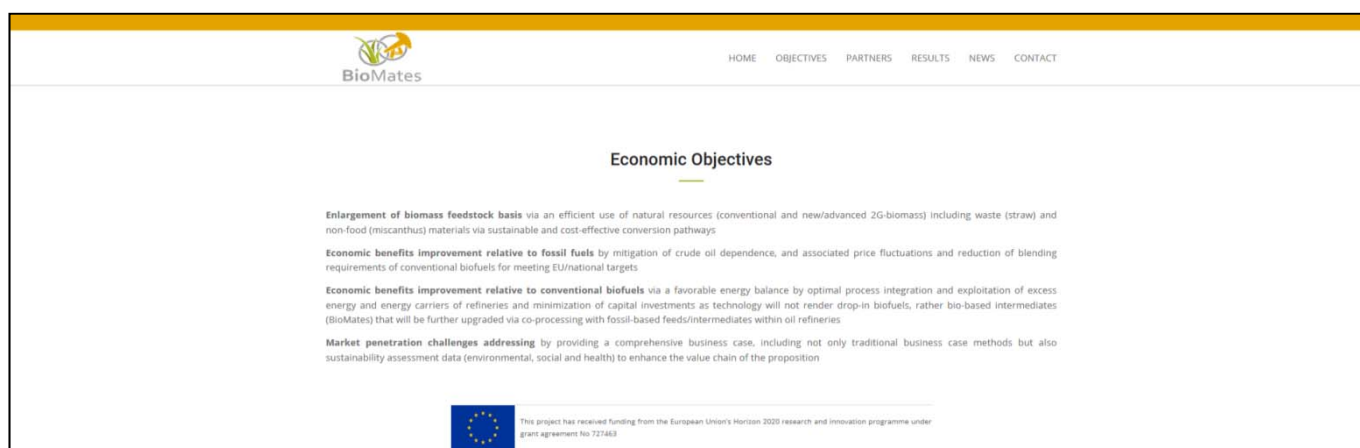


Figure 10. Economic objectives ("OBJECTIVES")



Figure 11. Social objectives ("OBJECTIVES")



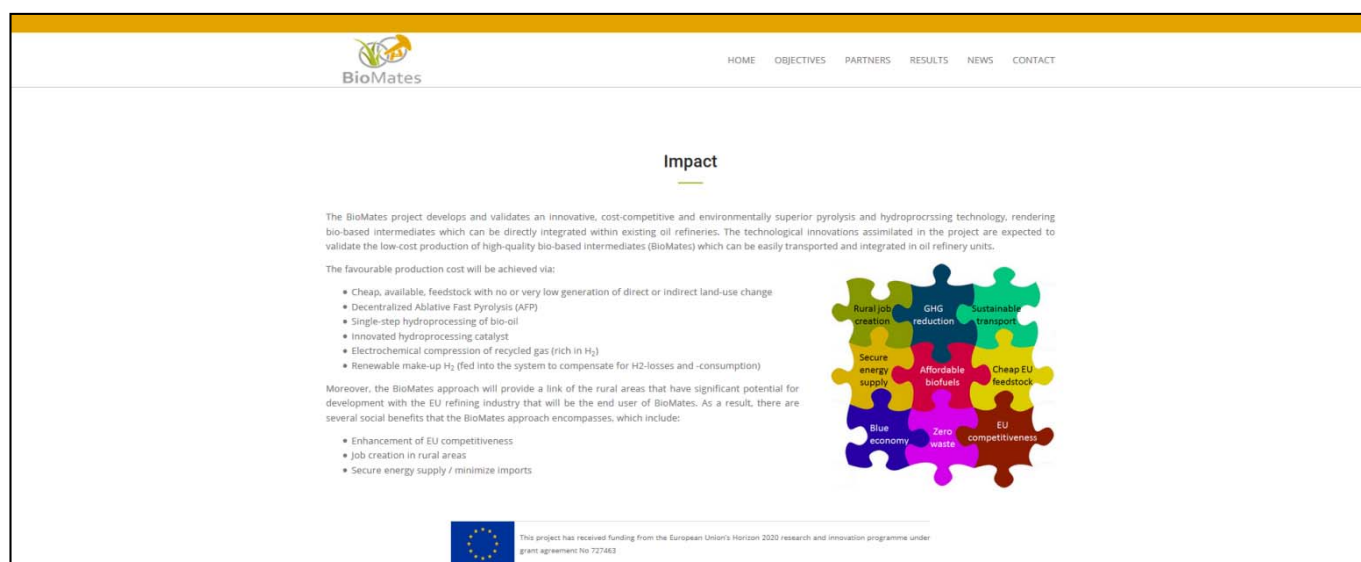


Figure 12. Project impact (“OBJECTIVES”)

### 3.4. Section “PARTNERS”

The BioMates team is shown in the “PARTNERS” section (see Figure 13), where all the partners’ logos are displayed. The logos are provided by each partner upon a prior agreement for their utilization in the project webpage. Each logo is linked with the associated partner home page.

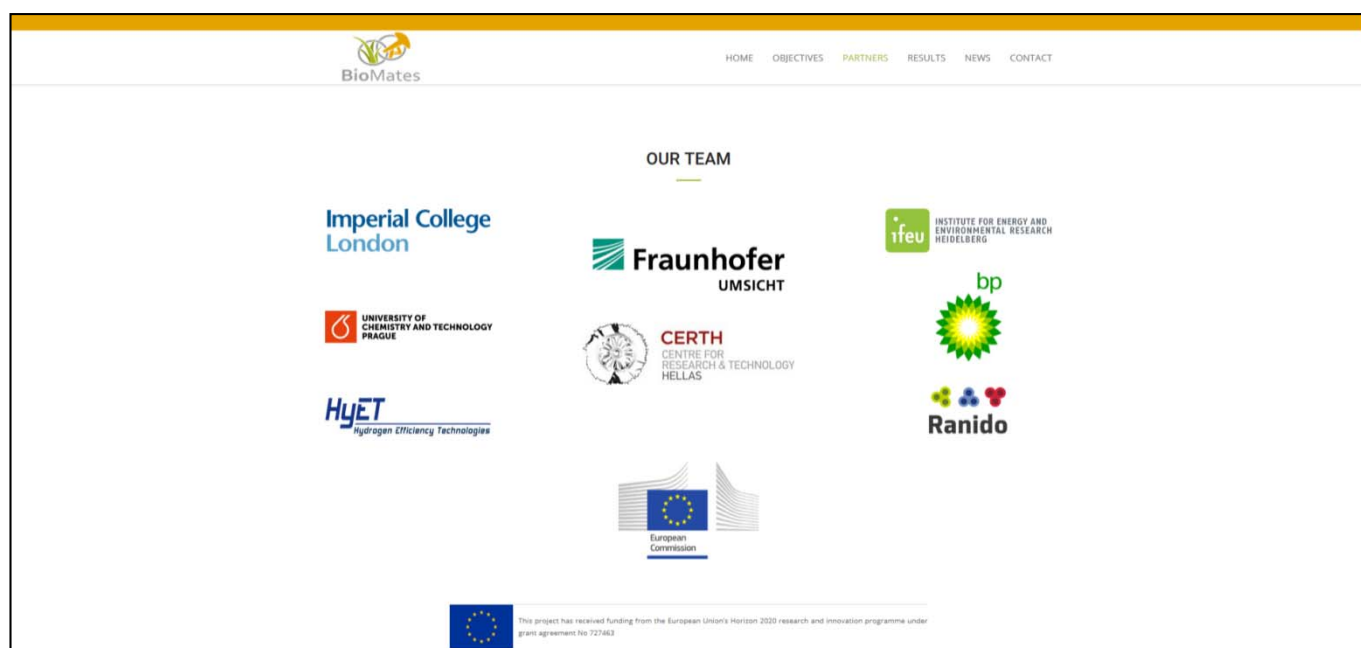


Figure 13. “PARTNERS” section - BioMates team

Besides the list of partners presented in the “PARTNERS” section, the team of each partner is presented in individual subsections. Each team presented includes the key personnel involved in the project with short information about their role in organization and function in the project, as it is indicatively shown for the Fraunhofer team in Figure 14.

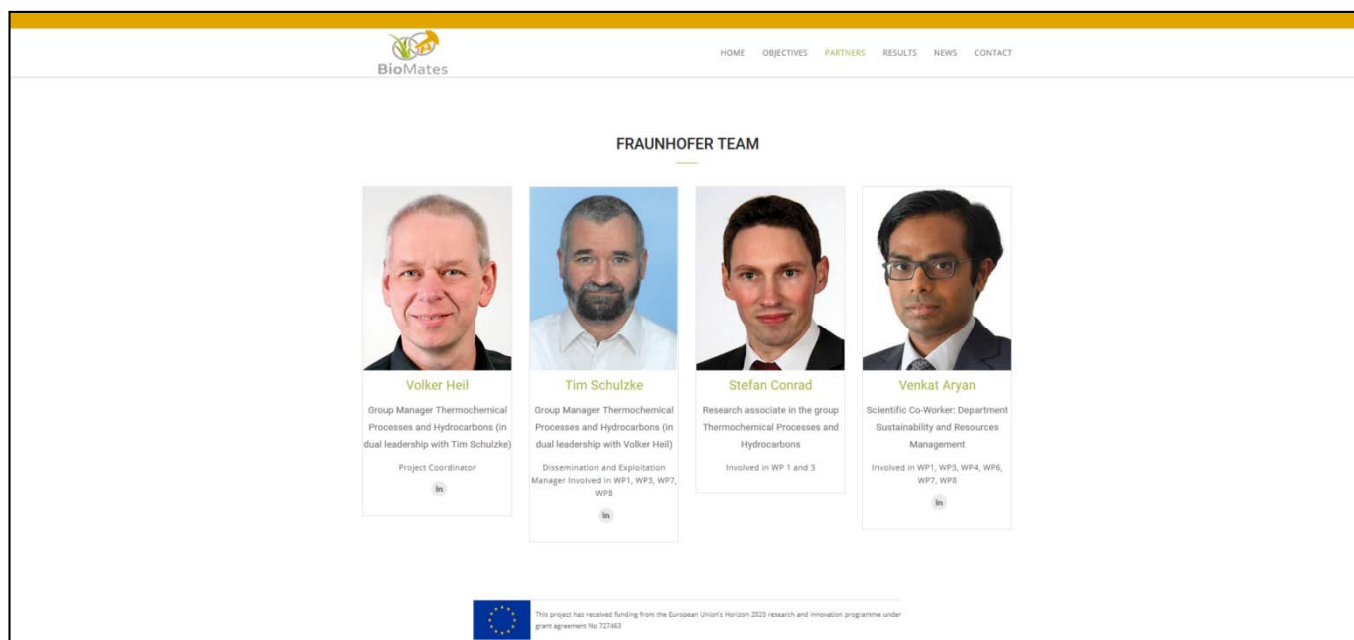


Figure 14. Fraunhofer team ("PARTNERS")

### 3.5. Section "RESULTS"

The "RESULTS" section consists three subsections that are related with the following:

- Publications
- Press releases
- Deliverables

As this deliverable is written in Month 3 of the project already, there are no results that can be publically available at the moment.

### 3.6. Section "NEWS"

The "NEWS" section includes a full list of all the news associated with results, activities and dissemination actions of the project that are available for the public. The current list of news associated with the project is shown in Figure 15. It should be noted that the latest and news highlights are also shown in the footer (see Figure 2).

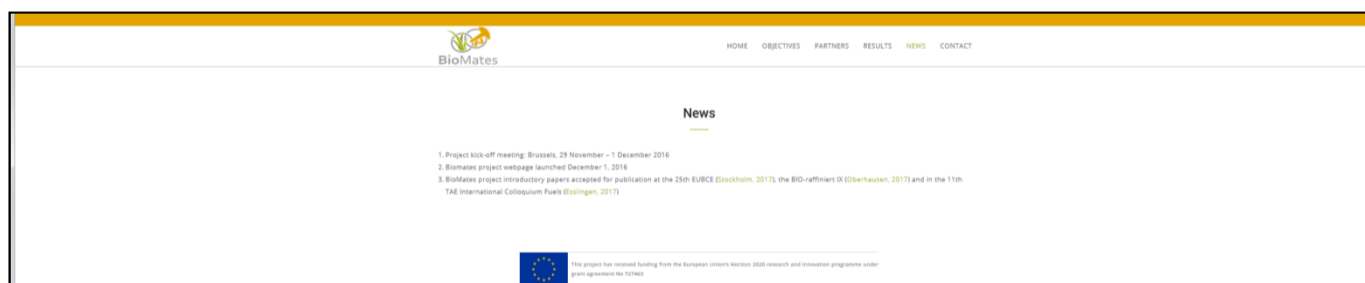


Figure 15. "NEWS" section

### 3.7. Section “CONTACT”

The “CONTACT” section provides direct information for everyone interested in the project that requires further information. This section includes information of Fraunhofer-UMSICHT as the coordinating organization as shown in Figure 16. Basic contact information is also available in the footer (Figure 2).

Figure 16. “CONTACT” section

## 4. Website updates and maintenance

The Centre for Research & Technology Hellas (CERTH) is responsible for the actions related to the webpage installation, hosting and maintenance. The webpage content and its updates will be agreed with all participating organizations prior to any new release.

## 5. EU Law compliance of the Website regarding “cookies” policy

Accessing the website for first time, a message on the bottom of the website window appears which informs the visitor that the website is using “cookies” in order to be more functional. Pressing the “OK” button we assume that the visitor agrees with the usage of cookies and the message disappears. If further information is needed from the visitor, a click on the “more” button redirects the visitor to a website with more information. The scope of this module is for our website to be compliant with the EU legislation regarding privacy and data protection. The EU directive regarding this issue requires prior informed consent for storage or for access to information stored on a user's terminal equipment.

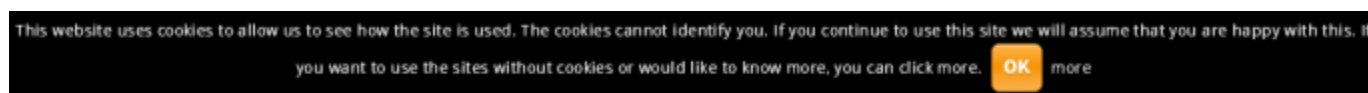


Figure 17. EU cookie law compliance message

## 6. Annex

A complete overview of the BioMates project website is presented in the Annex  
D7\_01\_Annex\_WebpageSnapshots.pdf