"MFC4Sludge": Microbial fuel cell technologies for combined wastewater sludge treatment and energy production

FP7-SME-2013, Grant Agreement No. 605893



Deliverable D 6.1

Website

Project details

Start date: 1st August, 2013

Duration: 24 months

Participant no.	Participant organization name	Participant short name	Country	Organisation type
1(Coord)	Ecotrend S.R.O.	ECO	Czech Republic	SME
2	Emefcy Ltd.	EMEFCY	Israel	SME
3	Automação e controle industrial, Lda	ACONTROL	Portugal	SME
4	Fraunhofer-Institute for Interfacial Engineering and Biotechnology IGB	FRAUNHOFER	Germany	RTD
5	Acondicionamiento Tarrasense Associacion	LEITAT	Spain	RTD
6	Optimización orientada a la sostenibilidad S.L.	IDENER	Spain	RTD
7	Gipuzkoako Urak, S.A.	GURAK	Spain	PUBLIC BODY

Deliverable information

PROJECT GA NUMBER	605893	
PROJECT NAME	"MFC4Sludge": Microbial fuel cell technologies for combined wastewater sludge treatment and energy production	
DELIVERABLE NUMBER	6.1	
DELIVERABLE NAME	Website	
DELIVERABLE VERSION	v1.0	
DATE OF DELIVERY	30/10/2013	
TOTAL PAGES	5	
PERSONS-MONTH REQUIRED	4	
CLASSIFICATION	PU	
LEAD BENEFICIARY	ACONTROL	



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Abstract

One of the main tools for project dissemination and exploitation activities is the project website, thus it has been created (<u>www.mfc4sludge.eu</u>) in order to make easier cooperation between partners and the exchange of knowledge related to the project (not only among project partners, but also with wider public).

Issues covered by the website are summarised in the present deliverable, describing in detail the content of each part. In order to maximise as much as possible the benefit from all the possibilities that the website provides several areas have been created. Specifically, a public area and a partner private are have been defined. Moreover, descriptions about website structure and other important aspects such as update procedures are provided as well. The public area provides a project overview, i.e. general information on the project and main WP structure. In addition, partners' descriptions with a link to their websites and a download area have been included. The download area allows the user to have access to important information such as links, public deliverables, brochure and other dissemination material. The partner private area is linked with Alfresco share tool, thus providing the chance of exchange information, have access to internal events calendar and all other important activities related to information handling within the consortium.

Finally, a Contact option as well as a Mail subscription possibility have been included in order to allow wider audience connecting with this project consortium.

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1. Design, structure and implementation

As part of initial dissemination activities ACONTROL has implemented this project website (<u>www.mfc4sludge.eu</u>). The website has been designed to reflect the project concept and also to increase the benefit of the participating SMEs (according to "Research for the benefit of SMEs" main aim), thus description and link to participating SMEs website have been included. Project logo has been included as well as basic information divided in sections in order to provide a clean and functional website design.

Concerning the structure, a public area and a partner private area have been defined. The public area provides a project overview, i.e. general information on the project and main WP structure. In addition, partners' description with a link to their websites and a download area have been included. The download area allows the user to have access to important information such as links, public deliverables, brochure and other dissemination material. The partner private area is linked with Alfresco share tool, related to information handling within the consortium. Additionally, a Contact option as well as a Mail subscription possibilities have been included in order to make available to wider audience to connect with this project consortium.

Finally and regarding the implementation, the website has been produced considering two modules, the public one and the private area. The public webpage has been coded in HTML and has some functions as the "Mail list subscription" which has been coded in PHP. As for the partner private area, a custom implementation of Alfresco Community Edition has been carried out.

2. Public area

Information about the project structure, the consortium, project results and dissemination activities has been structured within the public area in the sections that will be described next. All the public area contains a static sidebar at the right side that will be further detailed in section "2.7. Sidebar".

2.1. Home

Project concept is depicted in this section, including a figure summarising how knowledge will be generated among partners and how it will be exchanged between RTD performers and participating SMEs. Thus, the user can have at a glance the main aim of the project as well as main research to be conducted, including information about project participant and their knowledge areas as well.

2.2. News & Events

This section will cover news and events related to the project and will be updated often with new information in order to keep the audience aware of this project progress as well as about potential events or news that could be interesting due to its relation with project topic.

Concerning the news, meetings execution, important milestones achieved as for proper project execution and any other relevant information about project ongoing will be included here. Furthermore, press Releases as well as articles that have been published about the project will be also gathered under this section. Finally, events related to the project such as meetings, workshops or conferences will be scheduled and described in order to contribute to proper project dissemination.

2.3. WP structure

The project work plan is described, providing a brief summary for each WP to be conducted during project execution. In order to clarify main ideas under the WP structure, the Pert diagram has been included so the user can understand easily how the technical work has been organised and how the aforementioned WP are interconnected.

2.4. Overview

Firstly, information about Grant Agreement number as well as project duration is included.

Secondly, the solution proposed in the project as for sludge valorisation is described and a figure is provided in order to clarify the process to be developed. Main innovations to be brought are summarised as well so the user can have a clear idea about project results and how they will be achieved.

2.5. Partners

Under this section a brief description about project partners is provided. In addition and in order to make more info available to the user, a logo from each participant has been included. By clicking this logo the user will be redirected to partner's website. This way, and specially as for the participating SME, the project website could act as a launching platform, increasing SME's visibility across the R&D sector in Europe and in the innovation market as well.

2.6. Download

This section will gather all the dissemination material available to the user. In order to have the information categorised so the user can find and download the material easily, several subsections have been included. A brief description of them is provided next.

2.6.1. Dissemination material

Material considered to be helpful to the project results to be generated dissemination will be available here. Particularly, brochures, logo and all the documents aimed to construct the corporative image of the project will be gathered under this subsection.

2.6.2. Public deliverables

According to the Grant Agreement and the Annex I – Description of work, several deliverables to be produced will be public, thus increasing the dissemination impact of the results to be generated. In order to make it available to the user, they will be published under this section and the download option will be set up.

2.6.3. Publications

Under this subsection all the publications related to the project will be gathered. Due to the wide audience expected to be reached not only links to articles in popular press are expected, but also scientific publications in scientific journals, conferences or congresses. When available, full paper and /or abstract download possibility will be set up as well.

2.6.4. Links

Links that could be interesting such as the ones for CORDIS, Participant portal, REA website and Horizon2020 website are included so the user can explore all the possibilities related to the project and the R&D across Europe.

2.6.5. Videos

In order to provide a quick view about project results a video will be produced at the end of the project summarising the generated knowledge (according to what has been detailed in EC-GA Annex I, WP6 description). In the meantime, in case any potentially interesting video may be found, a link here will be included.

2.6.6. Installations

As for the DEMO actions envisaged in this project, all the information related to project pilot plant deployment will be published under this section. Specifically, info about demonstration actions progress including photos will be added during project ongoing.

2.7. Sidebar

Project website sidebar is composed by "Links" and "Latest news" sections. These sections allow the user to have a quick access to the following items:

- Partner private area: this link redirects the user to the Alfresco share tool, i.e. internal website of the consortium. After authenticating herself/himself as project partner, the user will have access to all the project information uploaded to the tool.
- Contact: these options provide the user the chance to write an email to the direction <u>admin@mfc4sludge.eu</u> in order to establish contact with project partners.
- Mail list subscription: by clicking here, the user would be able to subscribe to the mailing list of MFC4Sludge project website.
- Latest news: recent news are published here so the user can easily be updated about project issues.

3. Private area

This website area is restricted to project partners. By entering this area, the partners will be redirected to Alfresco share tool, a tool that will allow them to exchange electronic documents related to the project, thus enhancing cooperation and collaboration within the project.

Alfresco is a free enterprise content management system for Microsoft Windows and Unix-like operating systems. The system includes a content repository, an out-of-the-box web portal framework for managing and using standard portal content, a CIFS interface that provides file system compatibility on Microsoft Windows and Unixlike operating systems. Nowadays, Alfresco is usually used for enterprise content management for documents, web, records, images, and collaborative content development.

The following info will be also made available to all the partners so everybody in the consortium can have access to project official documents:

- Project Grant Agreement
- Deliverables

- Meetings
- Project info
- Others

4. Content updates and maintenance

ACONTROL involved staff will be responsible for driving website updates on a regular basis, collaborating closely with the head of the WP6 devoted to dissemination activities (GURAK). Specifically, news will be updated monthly and press releases, publications and deliverables will be posted in a timely manner as well. Additionally, the website backend (web server) is maintained by ACONTROL staff.

Regarding partners' information included in the website, each MFC4Sludge member is responsible for and has the administrative rights to make modifications to the descriptions of its respective institution.

5. Technical implementation

5.1 Domain

As for the project public address, the domain name "mfc4sludge.eu" has been registered. This transaction has been done via OVH (www.ovh.es) name registration procedure. The registration was performed 2013-10-02 and the domain is valid until 2014-10-02. The domain reservation will be renewed on a yearly basis.

5.2 Servers

The two modules of the website have been deployed into different servers. The public module is running on a HTML hosting service provided by OVH. As for the private area, the Alfresco implementation has been deployed on a private server also provided by OVH, some of the characteristics of such a server can be found below:

Hardware:

- Server Model: 2013 SP 32G
- Processor: Intel Xeon E3 1245v2 8 Mb Cache 3.4Ghz
- Memory: 32 GB DDR3
- Hard Disk: 2x2TB SATA3 SOFT RAID
- Network Connection: GigaEthernet

Server software:

- Operating System: Ubuntu Server 12.04.01 LTS
- Linux Kernel: 3.2.13
- Web Server: Apache 2.2.22
- Java Application Server: Tomcat 7.0.26 with JVM 1.7.0_09-b30
- PHP 5.3.10-1
- PostgreSQL 9.1.7

5.3 Database

The Alfresco implementation has a dedicated Database located in the dedicate server. FP7-SME-2013/605893

5.4 Data Back-up

An automatic backup is performed at 00:00 CET on a daily basis by the dedicated server. In addition a weekly backup is performed by personal.

6. Website overview

A screen capture of project website is provided next, particularly, of the "Home" section. Indications about different sections have been added to the screen caption.

