



FUDIPO: Future Directions of Production Planning and Optimized Energy and Process Industries

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Start date of project: 01/10/2016 Duration: 48 months

D6.1. PROJECT WEBSITE WITH CONTENT FOR PUBLIC CONSUMPTION

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GLOSSARY

Abbreviation	Definition
EC	European Commision

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EXECUTIVE SUMMARY

The project website is one of the main tools for project dissemination and exploitation activities. It allows the public to know about the project aims and general characteristics and the activities being developed within the project, being also able to download public project content and keep up-to-date about project progress.

Issues covered by the website are summarised in the present deliverable, describing in detail the content of each section. To maximise as much as possible, the benefit from all the possibilities that the website provides several areas have been created, and a contact form has been included to allow the user send inquiries to the project coordinator.

The website is currently up and running and will be continuously updated with news and material to download. The web site is hosted at: <http://www.fudipo.eu>

1. INTRODUCTION

This deliverable provides information about project website content and main technical details concerning project website deployment. Sections are described and a caption of the website home page is provided. Project website is part of the different dissemination tools to be used within the frame of the project, being the main contact point between public and the project information and outputs.

2. PLANNED CRITERIA

According to the ANNEX 1 of the Project Grant Agreement, the following planned criteria are stated:

- Deliverable Content: The functionality that should be implemented in the project web-site is presented in this deliverable. The project website is complemented continuously.
- Schedule: due date – month 3
- Partners involved: IDENER

3. DESIGN, STRUCTURE AND IMPLEMENTATION

As part of initial dissemination activities IDENER has implemented this Project website www.fudipo.eu. The website has been designed to reflect the project concept and to increase the impact of project results. Project logo has been included as well as basic information divided in sections to provide a clean and functional website design.

Concerning the structure, there is a public area and a private area. The public area provides a project overview, consortium information, and a download area with the project public outputs. In addition, case studies description and a contact area are included. The private area has been created for the maintenance of the website, so it is only accessible for webpage coordinator.

In addition, the EU logo and the sentence “FUDIPO is a project funded by the European Commission: This project has received funding from the European Union’s Horizon 2020 research and innovation program under grant agreement n° 723523” have been included in the home page with the aim of providing evidence of EU funding.

Finally, concerning the implementation the public webpage has been coded in HTML and PHP using a WordPress template.

4. PUBLIC AREA

The information within the public area have been structured in several sections which will be described next.



Figure 1 Webpage Index view identifying public and private area

4.1. HOME

In this section, the project concept and main impacts are shown with different images related to them, which allow the user have a first idea of FUDIPO approach at a glance. Also, although the project news have their own section, the latest news are included in the home page to allow the user a quick view and access to them. Finally, it is stated the fact that the project funding comes from EU H2020 program.

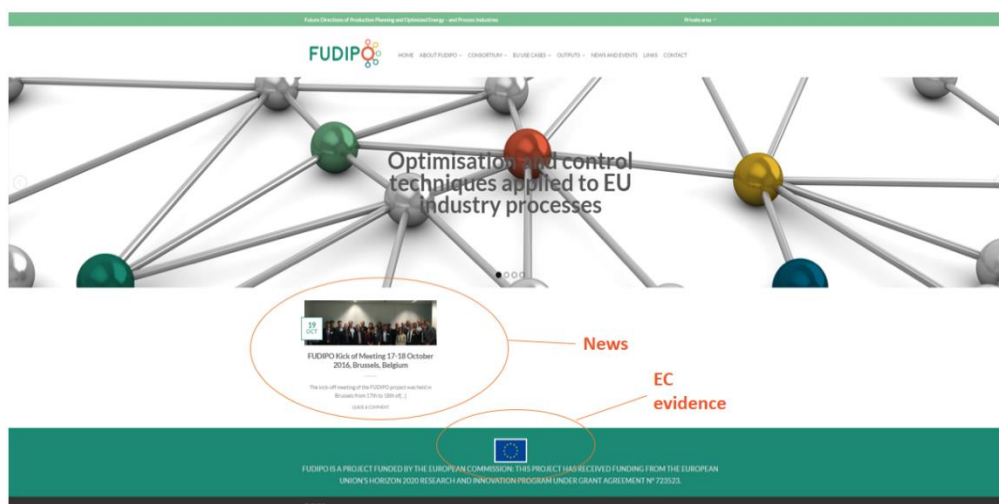


Figure 2 Home Page

4.2. ABOUT FUDIPO

This section shows the general information about the project. Four subsections have been created to present the information in an easy and user-friendly way. First the project concept is included (what's FUDIPO?), followed by the main objectives (what FUDIPO plans to get?), work packages (what FUDIPO is going to do for reaching its objectives?) and impact (what is expected to change in EU by achieving the goals?).

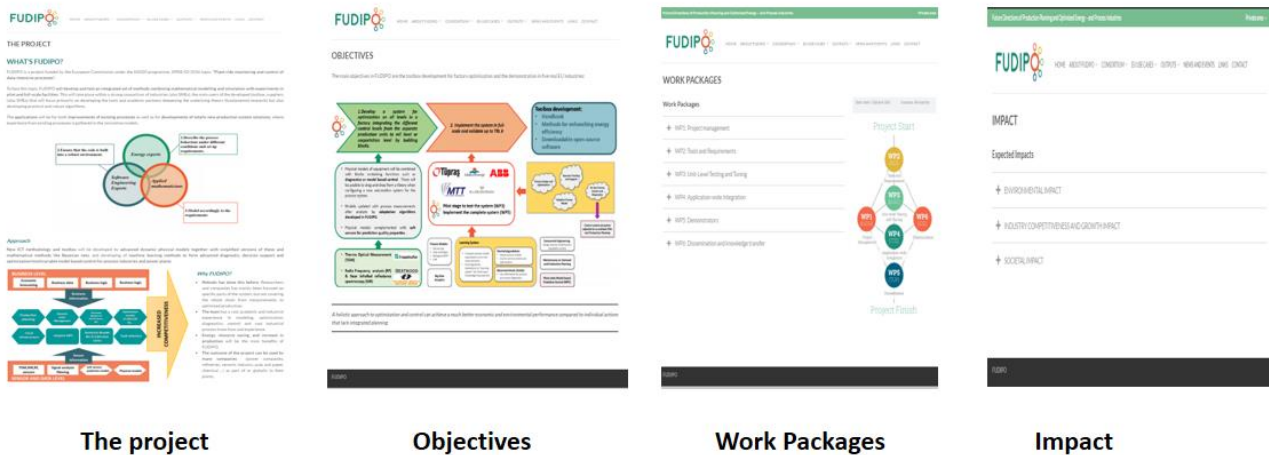


Figure 3. “ABOUT FUDIPO” subsections overview

4.2.1. THE PROJECT

This subsection introduces the user in the general approach of FUDIPO and specify the topic in which FUDIPO is included: SPIRE-02-2016: “Plant-ride monitoring and control of data-intensive processes”.

In this way, the user has the specific information about the origin of FUDIPO, what challenge is going to face, how is going to do it and what are the key characteristics of FUDIPO to reach it.

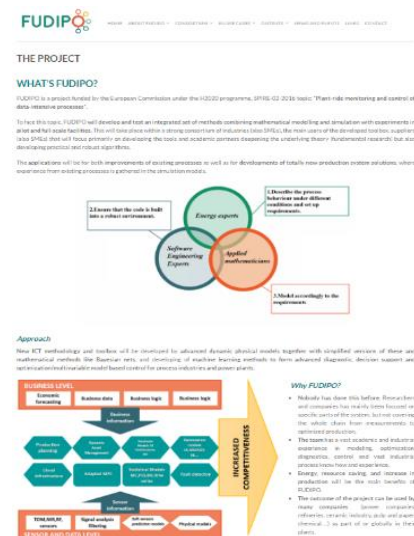


Figure 4. Subsection “The Project” view

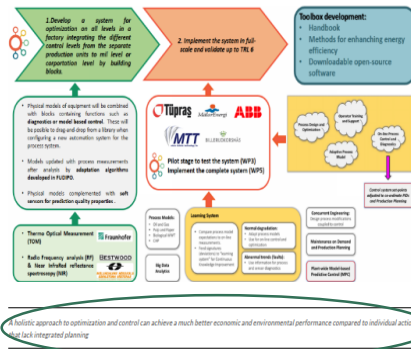
4.2.2. OBJECTIVES



HOME ABOUT FUDIP CONSORTIUM FUDIP CASES OUTPUTS NEWS AND EVENTS LINKS CONTACT

OBJECTIVES

The main objectives in FUDIP are the toolbox development for factory optimization and the demonstration in five real EU industries:



In this subsection, the specific objectives and strategy of FUDIP are shown in an integrated figure to allow the user deepen in the FUDIP concept in an easy and intuitive way.

Also, the key message of FUDIP has been included to maximize the understanding of the project approach.

FUDIP key message

Figure 5. Fudipo OBJECTIVES view

4.2.3. WORK PACKAGES

In this subsection, the different project work packages are described. For each of them, the work package leader, the main work package objective and the different subtasks have been briefly described. In this way, the user can see at a glance how the work is distributed and organized within the project, and which the main roles of each partner are.

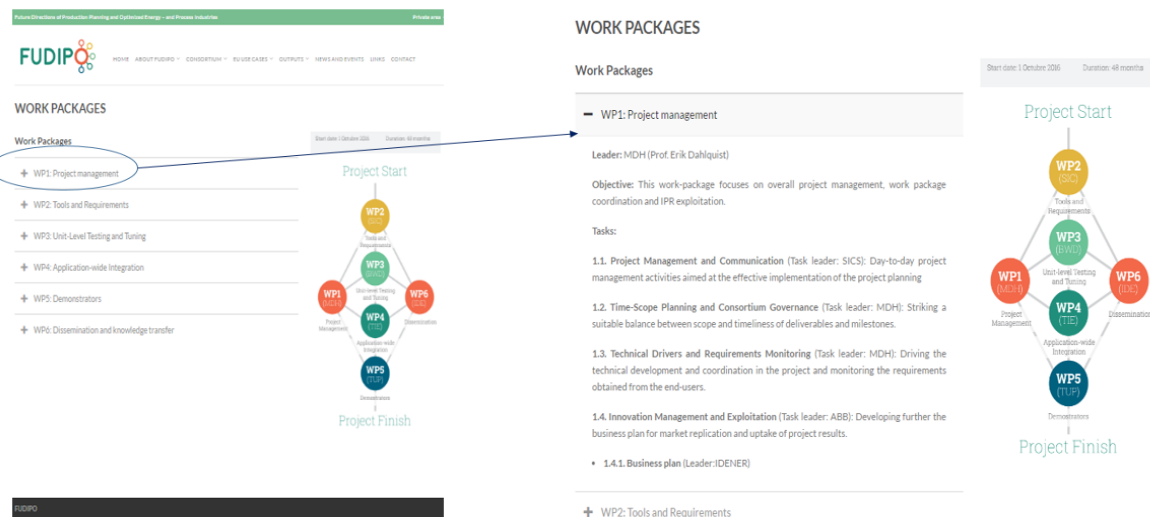


Figure 6. Work packages general index (left) and package description (right)

4.2.4. IMPACT

In this section the expected impact of FUDIPO are described, allowing the user understand the benefits of the project. They have been divided in three subsections for clearer and easier understanding: Environmental Impacts, Industry Competitiveness and Growth Impact and Societal Impacts.

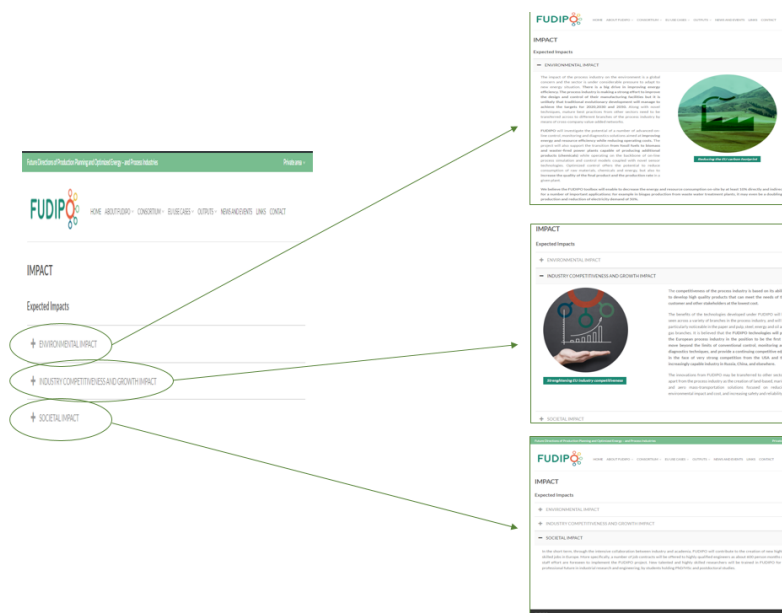


Figure 7. "IMPACT" index and specific views

4.3. CONSORTIUM

This section gives information about the project coordinator, the project management and partners involved in the consortium.

4.3.1. PROJECT COORDINATOR

In this subsection, a description of the project manager curriculum vitae has been included, providing evidence of his knowledge for the management of FUDIPO. Also a link has been included to give the user access to the project manager profile within his institution webpage, where the user can find its contact data and some information about his position.

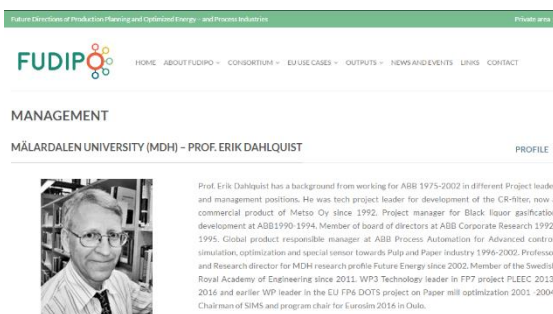


Figure 8. "Management" view

4.3.2. MANAGEMENT

In this subsection the different management roles have been described with the aim of giving the user information about the management structure and organization of the project. Thus, the Project Coordinator, Chief Project Engineer, Chief Engineer, General Assembly, Management Support Team, Project Executive Board and Work Package Group main functions have been described.

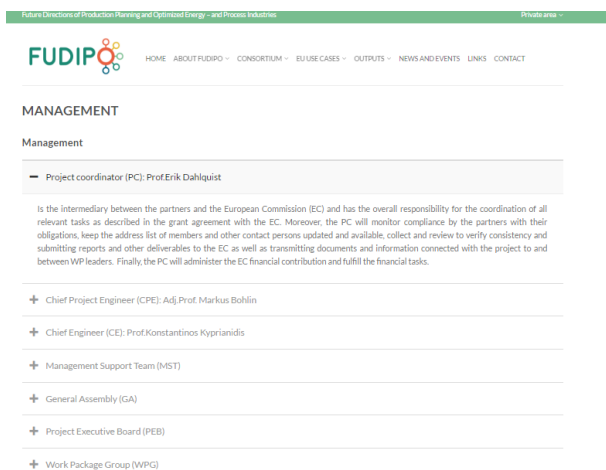


Figure 9 Management Area View

4.3.3. PARTNERS

Under this section a list of project partners is provided. A logo from each participant has been included. By clicking this logo, the description of the institution and main tasks in FUDIP appear and the user can also access the partner webpage by clicking the corresponding link. In this way, the project website could act as a launching platform, increasing partners' visibility across the R&D sector in Europe and in the innovation market as well. Moreover, a direct access to partners' profile is included in each partner profile under the information to allow a direct and easy access.

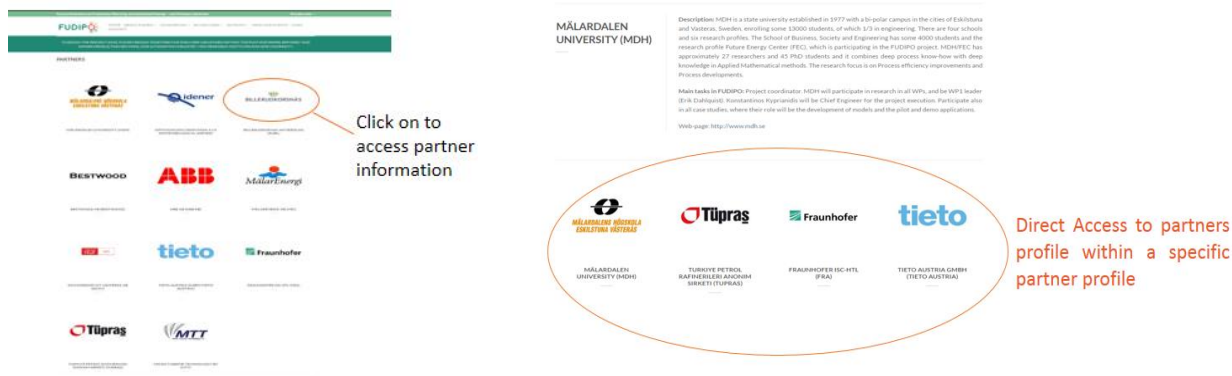


Figure 10. Partner main view (left) and specific profile view (right)

4.6. EU USE CASES

One of the key points of FUDIPO project is its application in **five** case studies in different leading EU industries. Therefore, it has been considered very important to highlight this fact and create this section to inform the public about the advantages of the FUDIPO outputs in real situations, and that it is going to be implemented and validated within the project. In this way, four subsections have been created, describing each case study: Oil refining plant, Pulp and Paper, Heat and Power Plant and Biological waste-water treatment plants. For each of them two points have been discussed: 1) The approach to the study (stating problem and plan) and 2) Improvement potential (what is expected).

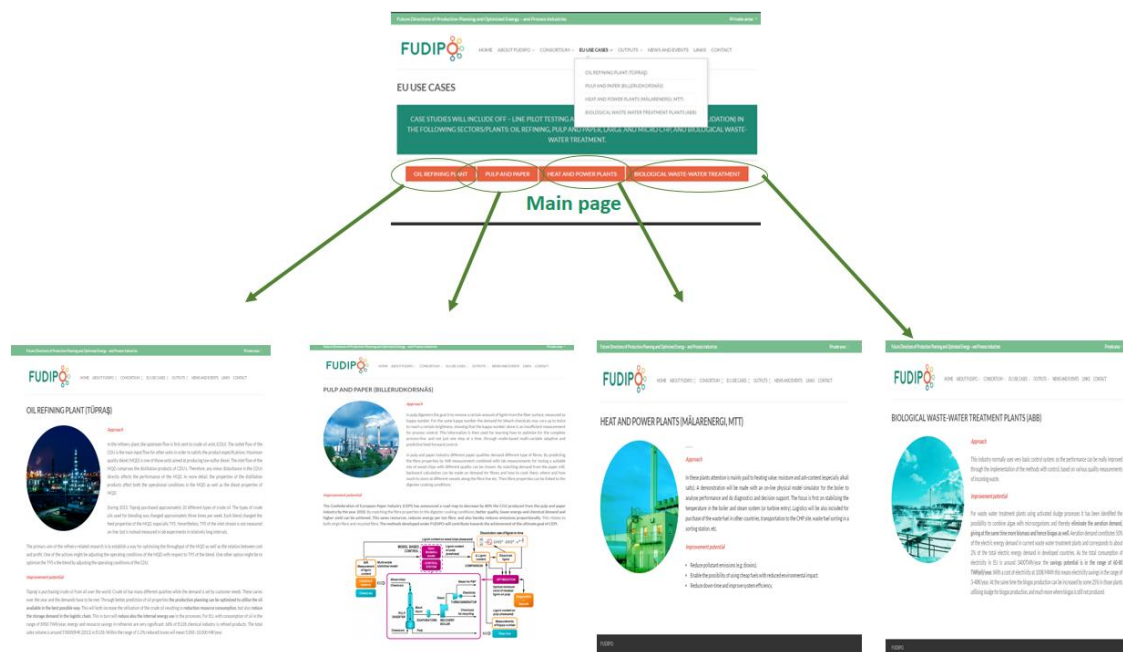


Figure 11. EU USE CASES main page and subpages

4.4. OUTPUTS

This section is the download area of the website and allow the user to download the public deliverables of the project, the different publications made from the project outputs and the dissemination material (leaflet, newsletter...). This section will be updated continuously. It has been divided in three subsections depending on the kind of material to be downloaded to allow the user an easy access.

4.4.1. DELIVERABLES

Public deliverables will be included here allowing the user to download them, thus increasing the dissemination impact of the results to be generated.

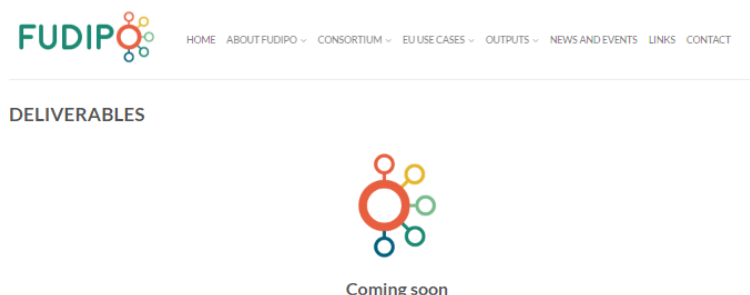


Figure 12. "Deliverables" view

4.4.2. PUBLICATIONS

All publications related to the project will be gathered here, not only links to articles in popular press 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.

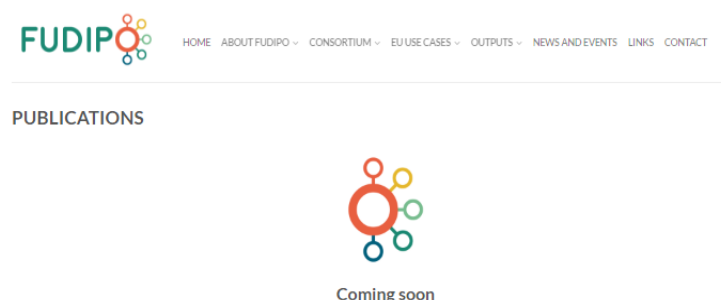


Figure 13. "Publications" view

4.4.3. DISSEMINATION MATERIAL

In this subsection, the dissemination material will be included: brochures, logo and all the documents aimed to construct the corporate image of the project.

DISSEMINATION MATERIAL



Coming soon

Figure 14. “Dissemination material” view

4.5. NEWS AND EVENTS

This section will cover news and events related to the project and therefore it will be updated continuously. In this way, the public is kept aware of the project progress, news and events related to the project: meetings, milestones achieved, project execution, workshops, conference and any other relevant information. A search tool has been included to facilitate the finding of specific information. Moreover, the posts are saved in folders by month and year, thus making even easier the finding of the information.

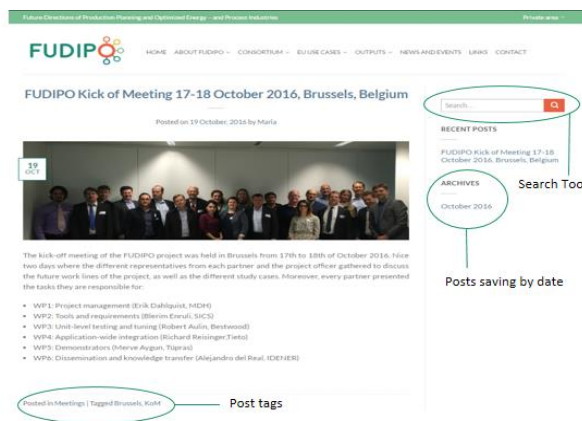


Figure 15. News and events section view

4.7. LINKS

This section gives information about current related EU projects and allows the user to click on the name of the related projects to be redirected to their webpages. The projects under SPIRE topics directly related to FUDIPO “Plant wide monitoring” and “Process control” have been included. Also, a link to SPIRE association is included.

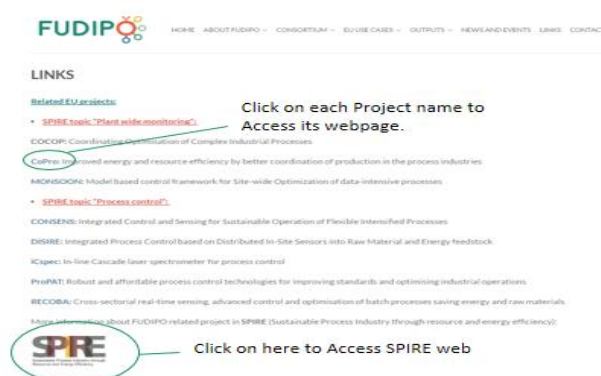


Figure 16. Links section view

4.8. CONTACT

Finally, this section provides a form which website users can fill to establish contact with the project coordinator. The mail address to where the e-mails will be sent is: erik.dahlquist@mdh.se.



Figure 17 "Contact" view

5. PRIVATE AREA

This area has been created for the maintenance of the webpage, so the access is restricted to the website coordinator (IDENER).

6. CONTENT UPDATES AND MAINTENANCE

IDENER involved staff will be responsible for driving website updates on a regular basis. 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 IDENER staff.

7. TECHNICAL IMPLEMENTATION

7.1. DOMAIN AND SERVER

For the access to the project web page, the consortium has purchased two domains: www.fudipo.eu and www.fudipo-project.eu. The first one was acquired by the project coordinator and the second one by IDENER. Both domains have been set up to point to the same web. The public web page has been deployed in a server within the IDENER's cloud infrastructure provided by OVH, one of the main internet providers in Europe.

7.2. IMPLEMENTATION

The FUDIPO public web has been developed using Wordpress, the most popular CMS (Content Management System) in the world. The most recent stats are showing that since March 2016, WordPress is powering 26.4% of the Web, and it's on the rise. It is still by far the most used CMS, with 59.4% market share. The implementation has been done using available plugins for the Wordpress CMS to fit the project needs and the customization of one of the most mature themes, Flatsome. For the selection of plugins and themes for the system, it has been considered the security of each of them, selecting only those that are regularly updated to overcome any potential security issue.

7.3. DATABASE

To store the information included in the website as well as the user information, a database has been set up using Mysql v5.6. To secure the web platform content, an automatic backup system has been developed which creates daily snapshots of the platform.

7.4. OTHER ELEMENTS

In addition to the core elements of the webpage, the developers have included security and monitoring solutions to improve the overall site. Accordingly, *Piwik Referrer Spam Blacklist* has been installed to keep track of the comments and references that are done to the page, with the purpose that the system automatically blocks unwanted messages in the web. Regarding the web monitoring, in addition to the regular solutions available in IDENER's cloud provided by OVH, a statistic system that enables to monitor the number and location of visits to each section of the webpage has been included. Specifically, the *WP Statistics* plugin has been used for this task.

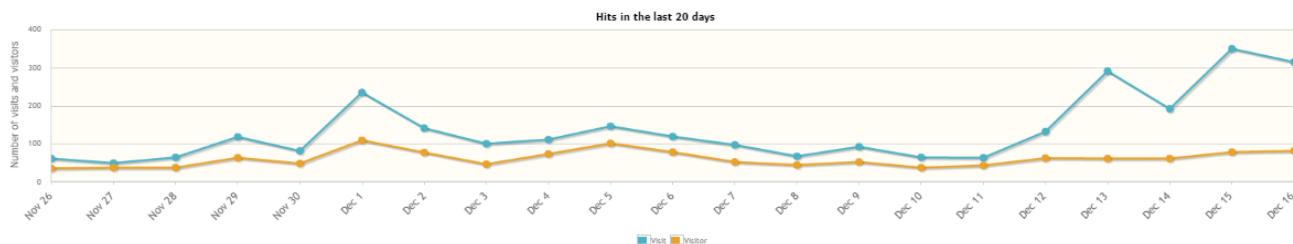


Figure 18: Visits monitoring system

Top Referring Sites	
References	Address
258	fudipo-project.eu
39	www.mdh.se
13	tri-slona.org
13	j-times.ru
12	goo.gl
12	downloadkakaotalk.com
11	oxford-book.com.ua
11	manuscript.su
11	landreferat.ru
11	isoveti.ru

Figure 19. Referrers monitoring system

8. CONCLUSION

This deliverable describes in detail the functions of the webpage. The webpage has been designed and structured with the aim of allowing the public to use it in an easy and clear way and giving the essential and general information about the project and partners, with the possibility of direct download of all project public outputs. The visual identity has been tried to be kept along the webpage in titles and figures. A contact form is available for any inquiries that users may have.