



UNIVERSITÀ DEGLI STUDI DI GENOVA

ENDURANCE Project
FCH-JU Grant Agreement: 621207



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Genoa, 05/12/2014

TO: Joao SERRANO GOMES

FCH-JU

Brussels

Subj.: Deliverable 8.4 - Website

Please find here attached the report for D8.4.

The whole document corresponds to the fulfillment of D8.4

With best regards

Paolo Piccardo



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Deliverable D8.4:

Website

WP8

Person in charge: Daria Vladikova

Expected delivery time: 01/07/2014

Delivery time: 01/08/2014



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Table of Contents

Table of Contents	3
List of Figures.....	5
1. Website Overview.....	6
1.1. Purpose	6
1.2. Set-Up and Design.....	7
1.2.1. Domain and Hosting	7
1.2.2. Database and FTP Transfers	7
1.2.3. Internal Access.....	7
1.2.4. Content Management.....	7
1.2.5. Responsive Layout	7
1.3. Structure	8
2. External site	9
2.1. Features.....	9
2.1.1. Home.....	9
2.1.2. Project.....	9
2.1.3. Partners.....	10
2.1.4. Info Center	10
2.1.5. Contact.....	11
2.1.6. Login.....	12
2.2. Social Media Integration	12
3. Internal site.....	14
3.1. Database Access.....	14
3.2. Calendar of Events	15



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3.3.	Meeting Documents.....	16
3.4.	Presentations	17
3.5.	Publication Intent.....	17
3.6.	FTP File Exchange for Reports & Deliverables and Report Preparation	17



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List of Figures

Figure 1: www.durablepower.eu - responsible website design.....	6
Figure 2: ENDURANCE resources available to the public (orange) and consortium members (grey).....	7
Figure 3: External site structure	8
Figure 4: Internal site structure.....	8
Figure 5: Home Page.....	9
Figure 6: Project Details.....	10
Figure 7: Partners	10
Figure 8: Info Center.....	11
Figure 9: Contact	11
Figure 10: Login	12
Figure 11: Social media links	12
Figure 12: Google+ Page.....	12
Figure 13: Facebook Page.....	13
Figure 14: Logged in user navigation.....	14
Figure 15: Database access (BoS, HoE, Knowledge Pool).....	15
Figure 16: Events Calendar.....	16
Figure 17: Meeting Documents	16
Figure 18: Publication intent form	17



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1. Website Overview

1.1. Purpose

The ENDURANCE project website constitutes an integral tool in the project's online communication strategy. The responsive website is designed to feature an engaging external section and a restricted access internal section – a virtual “hub” for project information and pooling of partner resources, ensuring wide dissemination and solid management of the knowledge, expertise, and experience acquired during the project. It will be continuously updated during the duration of the project.

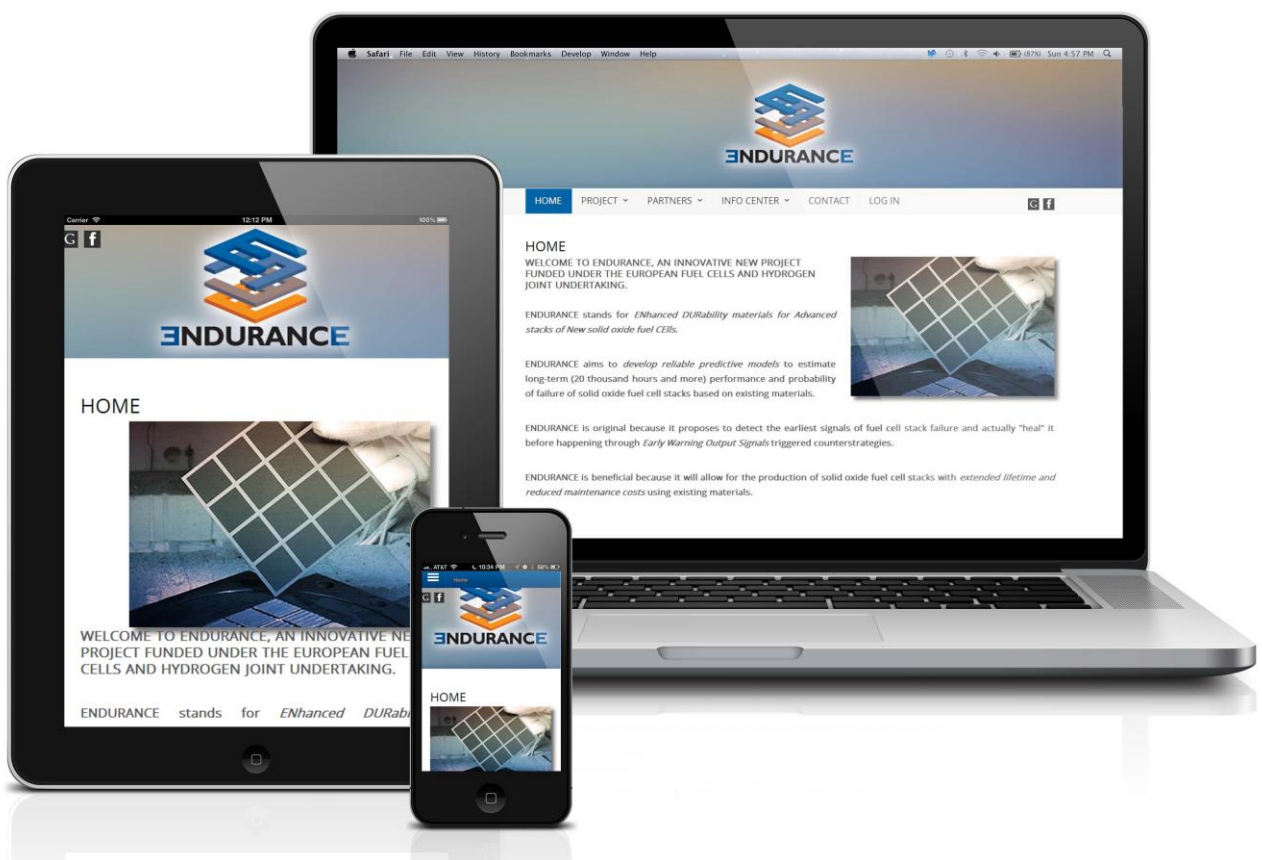


Figure 1: www.durablepower.eu - responsible website design

Once the project progresses into its more definitive stages, in addition to project objectives, challenges, progress, and achievements, the external site will feature background articles and interactive and educational content regarding ENDURANCE in the context of improvement of fuel cell performance through early warning signals, fuel cells as an up-and-coming technology as well as a broader view of the potential and reality of the Hydrogen Economy. Separate information sections are directed towards the main project target groups - scientific, industrial and public.

The platform of the external site also serves the needs of the internal site, which is restricted to consortium members. The internal site serves as a hub connecting the different technologies and means of access (web pages, database access, ftp transfer) of consortium communication, knowledge, and results.



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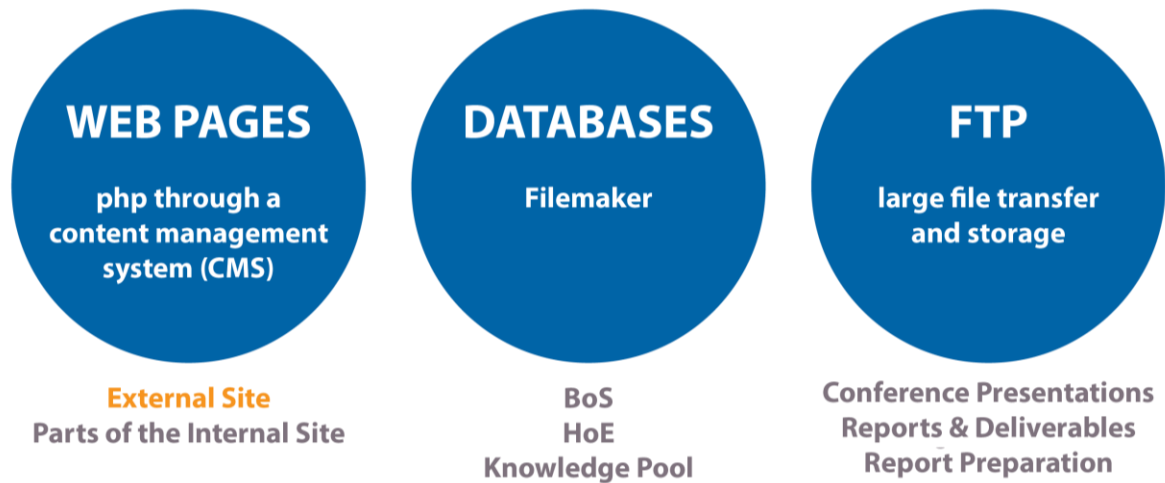


Figure 2: ENDURANCE resources available to the public (orange) and consortium members (grey)

1.2. Set-Up and Design

1.2.1. Domain and Hosting

www.durablepower.eu was selected as ENDURANCE's domain name. The project's slogan "Durable Power" was chosen over the title not only because of the unavailability of endurance.eu, .net, .org, etc., but also because of the non-scientific widespread connotation of the word "endurance", which would not send an un-ambivalent, concise, and powerful message to the project's target groups as "durable power" does. www.durablepower.eu is hosted on a secure server with regular backups, SSH access, and unlimited traffic.

1.2.2. Database and FTP Transfers

Part of the internal site features consist in remote access databases (BoS, HoE, Knowledge Pool - described in detail in Milestone 2) and FTP file transfer for ENDURANCE-related matters. Those features require additional functionality and therefore are hosted on a separate server supported by Partner 8.

1.2.3. Internal Access

Access to the internal ENDURANCE products (internal site, FTP file transfer, HoE, BoS, and Knowledge Pool databases) requires username and password verification. The team leader for each partner was sent a unique username and password, which he/she was then responsible for distributing among the team.

1.2.4. Content Management

A content management system (CMS) was used to create, deploy, manage and site content. Once in place, the platform is used to create, deploy, update, organize, control and store external and internal website content, (including but not limited to text and embedded graphics, photos, video, audio, form submissions, etc.), assemble content at runtime, and deliver user-specific content. Through the CMS, all partners can not only read and access, but also easily add and update information, making the website an effective dissemination tool (live internal training on website issues will be carried out during the ENDURANCE meeting in Bordeaux in January, 2015).

1.2.5. Responsive Layout

The ENDURANCE website was developed by Partner 8 to provide an optimal user experience - easy reading and navigation with a minimum of resizing, panning, and scrolling—across a wide range of devices (from desktop computer monitors to mobile phones. The layout is adapted to the viewing environment by using fluid, proportion-based grids, flexible images, and CSS3 media queries, so the



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user experience is based on characteristics of the device the site is being displayed on. Thus, the project can achieve more widespread dissemination and successfully reach a greater number of end users.

1.3. Structure

The external site features relevant publicly available information about ENDURANCE and the project's progress and achievements. In addition, it is designed to feature an information center with popular and interactive content geared toward different age and target groups.



Figure 3: External site structure

The internal site gives access to all external features and in addition serves as a starting point for all project-related information and restricted-access products and technologies.

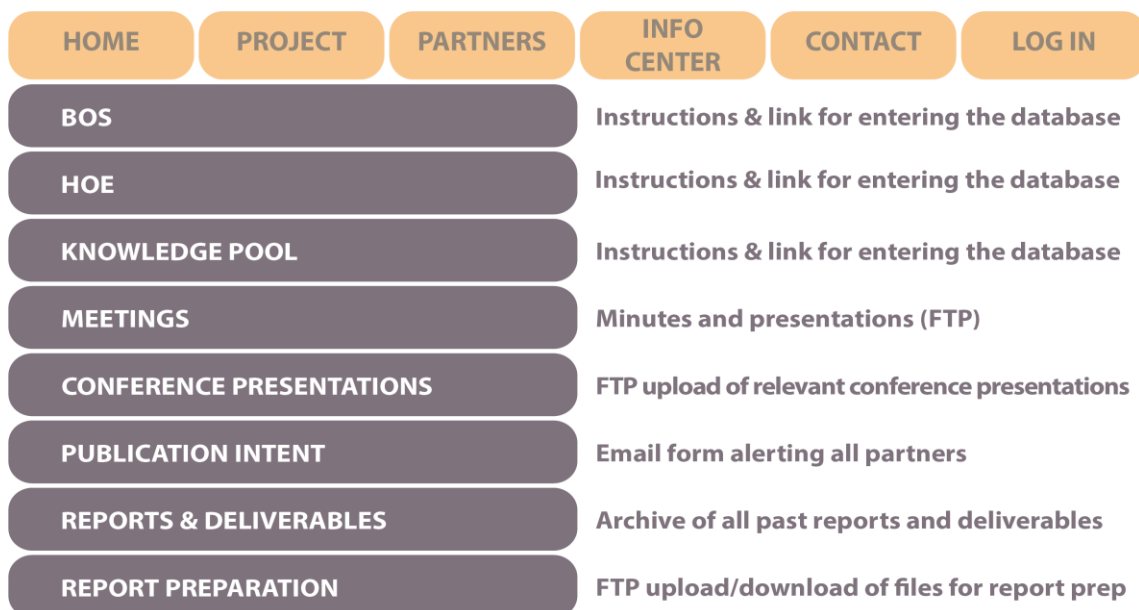


Figure 4: Internal site structure



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2. External site

2.1. Features

The external site is navigated through a top menu, always available in the upper part of the user's screen. Separate sections focus on distinct target groups: the scientific community, potential future industrial partners, and the general public.

2.1.1. Home

The home page provides a brief and catchy "nutshell" of the ENDURANCE idea, aims, challenges, advantages and innovative nature geared towards a general audience.

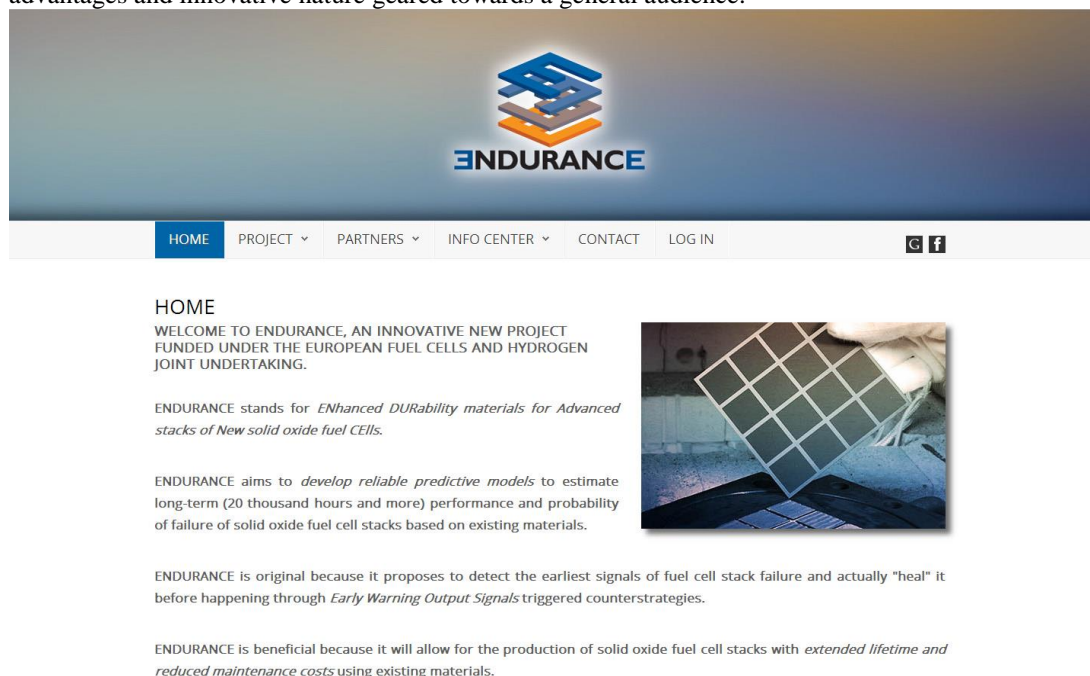


Figure 5: Home Page

2.1.2. Project

The project section features an overview, challenges, progress reports, and will feature the publicly available deliverables, once completed. This section presents ENDURANCE in a more science-specific language and is geared towards the scientific and industrial communities.



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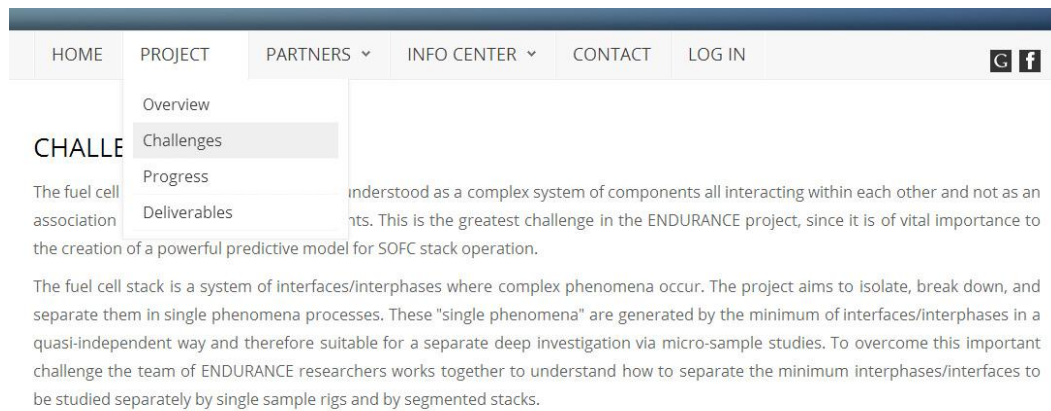


Figure 6: Project Details

2.1.3. Partners

The partner section demonstrates the specific partner roles, strengths, and synergy of the ENDURANCE team in relation to the project objectives. It also gives an overview of each consortium member in terms of experience, relevance, and project involvement. The section is geared both towards the industrial community and general public.

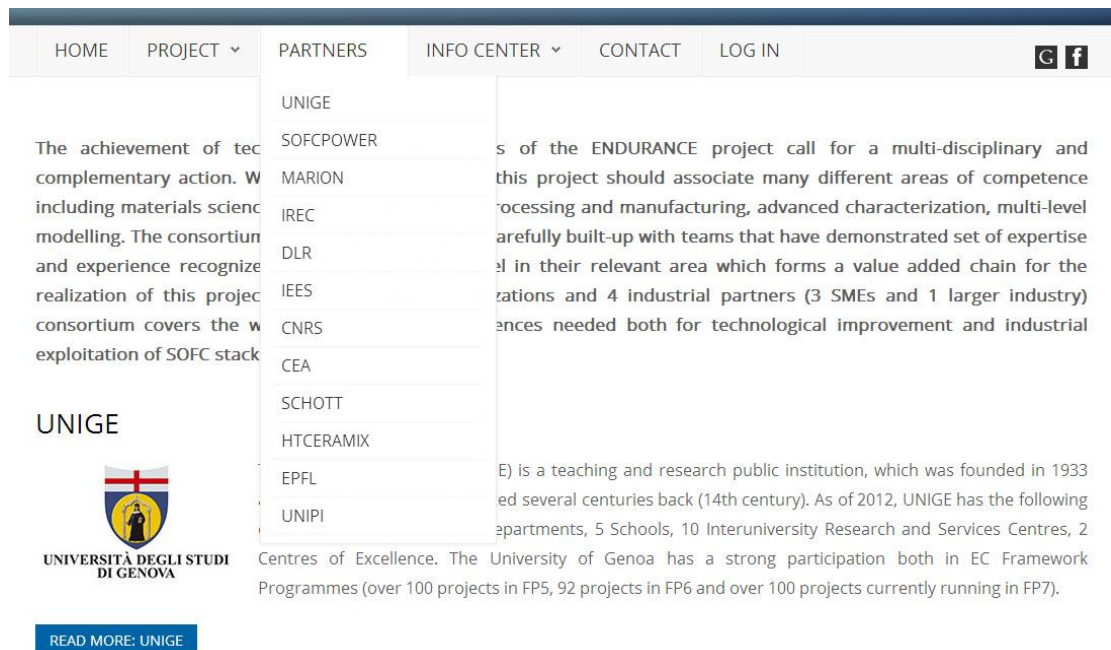


Figure 7: Partners

2.1.4. Info Center

The information center is the core dissemination feature of the public website. It is designed to feature project news & resources, downloads, publications, conference participation, and calendar of events sections, which target the scientific and industrial community as well as the general public. "Project News" disseminates ENDURANCE achievements to a wider audience, familiarizing with the project achievements and futures. "Downloads" aims to raise public awareness of the hydrogen economy benefits and the place of fuel cells and hydrogen in this economy by presenting educational and interactive content; it will include presentations, video-clips, and an interactive game related to the project philosophy and general achievements (Deliverable 8.3). "Publications" and "Conference



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Participation" informs the scientific and industrial community of ENDURANCE-related participation and publishing activities in scientific symposia. The "Calendar of Events" is fed and updated by project members from the internal site and popularizes narrower scientific events, industrial- and innovation-g geared exhibitions and trade shows, as well as popular events related to the EU activities in fuel cells and hydrogen energy.

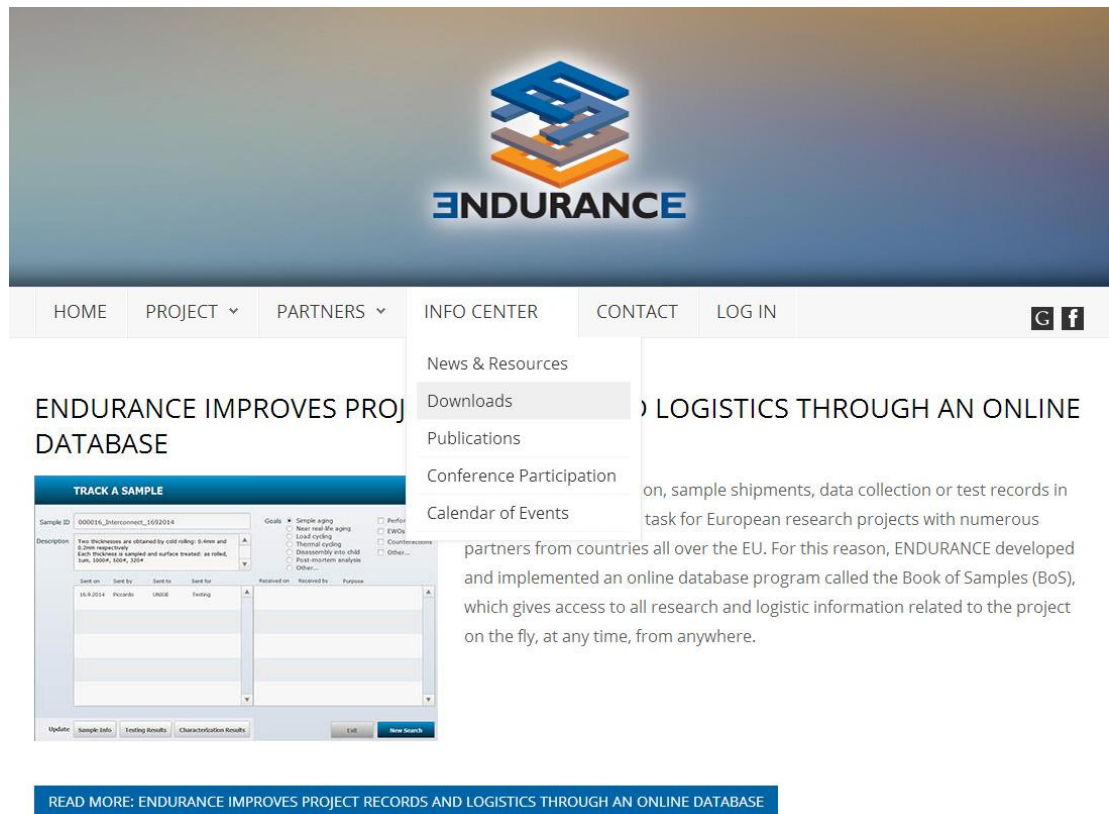


Figure 8: Info Center

2.1.5. Contact

The contact section presents a business card of and quick contact form emailing the project coordinator (who is the contact point for ENDURANCE-related questions and enquiries).

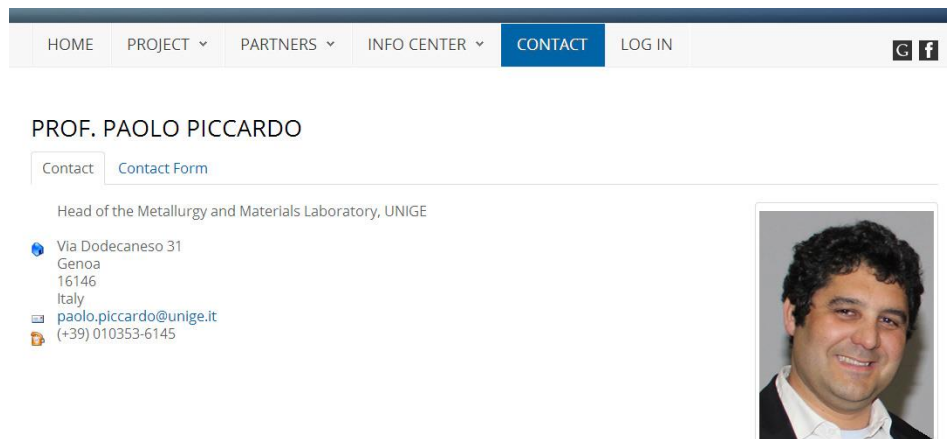


Figure 9: Contact



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2.1.6. Login

ENDURANCE members use the login form to access the internal restricted usage portion of the website. Each partner institution has unique login information (for accountability) and registration is not open to public visitors.

HOME PROJECT PARTNERS INFO CENTER CONTACT LOG IN

USERNAME *
PASSWORD *
REMEMBER ME
LOG IN

Forgot your password?
Forgot your username?

Figure 10: Login

2.2. Social Media Integration

The ENDURANCE website is linked to Facebook and Google+ pages. More integrated social media linking is planned through social plugins for sharing user-generated social content, a social-based commenting system and sharing buttons.



Figure 11: Social media links

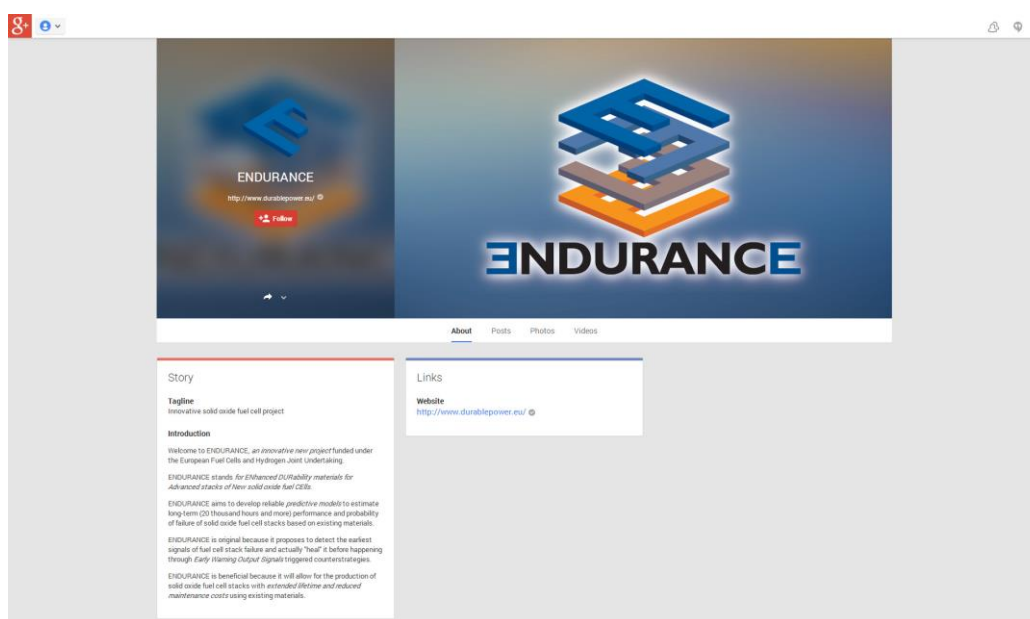


Figure 12: Google+ Page



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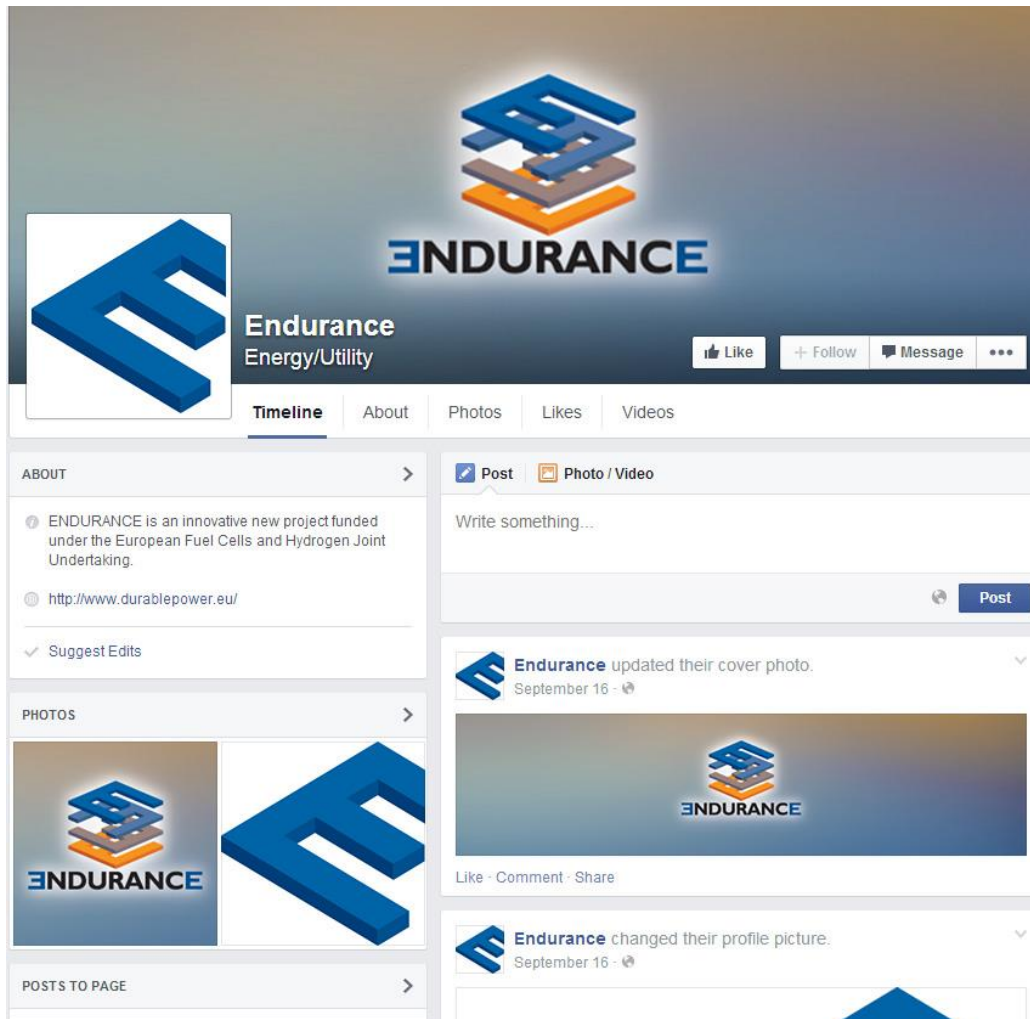
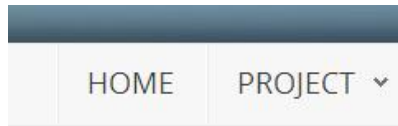


Figure 13: Facebook Page



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3. Internal site



ENDURANCE MEMBERS

Welcome

BoS

HoE

Knowledge Pool

Event Calendar

Meeting Documents

Presentations

Publication Intent

Reports&Deliverables

Report Preparation

The internal site is accessed through a login form on www.durablepower.eu. It is limited to the members of the project consortium and serves as a starting point or "hub" for internal scientific communication, accumulation and dissemination of results, information and knowledge inside the project through a content management system, databases, and ftp transfers. It serves to facilitate communication and information exchange, catering to the needs the ENDURANCE members for project implementation. The features of the external site remain visible to logged in users; however, a new side menu for internal site navigation becomes available after login.

Figure 14: Logged in user navigation

3.1. Database Access

Databases with access to the consortium members collect existing data in a virtual project "resource pool" as well as keep track of project-relevant information in an easy, detailed, and up-to-date manner. The FileMaker family of software products was used by Partner 8 (IEES) to create databases for the:

- Book of Samples (BoS), which records each sample creation, testing and characterization analyses performed, results from all analyses, shipment, receipt, past and current locations.
- Handbook of Experiments (HoE), which stores testing procedures and protocols relevant to the project.
- Knowledge Pool (KP), which stores publications and materials relevant to the project methods, and goals.

All databases are both "fed" and used by project participants, ensuring constant easy access to up-to-date information, rapid identification and communication of logistical and testing problems and their quick solution.

The internal site provides access, information, and tutorials on Filemaker installation, database capabilities, features, usage, and FAQs.



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ENDURANCE MEMBERS

- Welcome
- BoS
- HoE
- Knowledge Pool
- Event Calendar
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BOOK OF SAMPLES

The Book of Samples (BoS) records the creation, shipment, receipt, testing, and characterization of all samples within the ENDURANCE project.

To access and use the BoS, please [How to Install Filemaker to Use the ENDURANCE Databases \(BoS, HoE, KP\)](#).

Once you have installed the program:

1. Open FileMaker and on the Menu Bar click "File" -> "Open Remote".
2. Add the ENDURANCE database server (ENDURANCE-DB, 213.191.193.5) to your favorite hosts. In the Open Remote File dialog box, click the downward arrow next to View: "Local Hosts", then "Favorite Hosts" and finally click the "Add" button below.

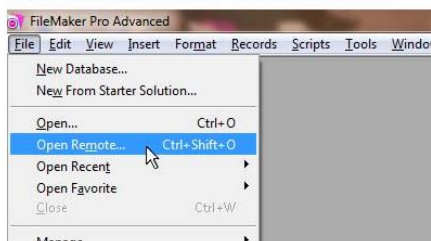


Figure 15: Database access (BoS, HoE, Knowledge Pool)

3.2. Calendar of Events

The "Calendar of Events" is displayed on both the external and internal project sites, but is fed and updated by project members with restricted access. It popularizes narrower scientific events, industrial- and innovation-gearred exhibitions and trade shows, as well as popular events related to the EU activities in fuel cells and hydrogen energy, but also serves for conference participation planning within the consortium members.



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ENDURANCE MEMBERS

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- HoE
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EVENTS CALENDAR

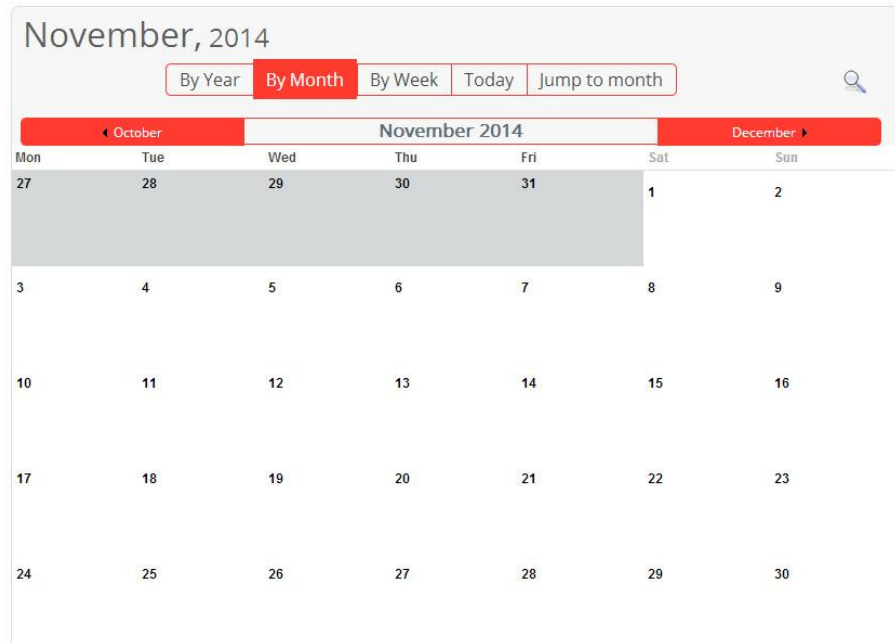


Figure 16: Events Calendar

3.3. Meeting Documents

Minutes, presentations and other related documents from all ENDURANCE meetings (web and physical) are uploaded to the internal site and stored for accountability, reporting, and future reference.

ENDURANCE MEMBERS

- Welcome
- BoS
- HoE
- Knowledge Pool
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- Presentations
- Publication Intent
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WP5 VIRTUAL MEETING | MAY 16, 2014

[WP 5 Presentation, ICMCB](#)



WP3 VIRTUAL MEETING | MAY 15, 2014

[Meeting Minutes](#)

[WP3: Experiments Design and Results Synthesis, Alex Morata](#)



KICK-OFF MEETING | GENOVA | APRIL 15-16, 2014

PRESENTATIONS

[‘The Rules of the Game’ FCH JU GA - Contractual Issues, Nikolaos Lymperopoulos, FCH JU Project Manager](#)

[The Endurance Concept, Paolo Piccardo](#)

[FCH-JU Project „SOCTESQA“ \(Solid Oxide Cell and Stack Testing, Safety and Quality Assurance\), Michael Lang](#)



Work Package Overviews

[Work Package 1](#)

Figure 17: Meeting Documents



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3.4. Presentations

Presentations relevant to the project research areas, activities, methods, and goals are uploaded to the "Presentations" section of the internal site.

3.5. Publication Intent

According to the ENDURANCE Grant Agreement, all partners must be notified of any intent of publication of project results within a reasonable time frame. If none of the partners objects, publication can be carried through. Partners can state their intent for publication by filling out a form, which automatically notifies all ENDURANCE team leaders by email as well as stores all publication intents for future reference. Partners then have 15 days to request additional information and object to the publication of project-sensitive information.

ENDURANCE MEMBERS

- Welcome
- BoS
- HoE
- Knowledge Pool
- Event Calendar
- Meeting Documents
- Presentations
- Publication Intent**
- Reports&Deliverables
- Report Preparation

NOTIFY PARTNERS OF PUBLICATION INTENT

According to the ENDURANCE Grant Agreement, all partners must be notified of any intent of publication of project results within a reasonable time frame. If none of the partners objects, publication can be carried through. In most cases, this is a formality; however, it is mandatory.

If you intend to publish any results related to ENDURANCE, please fill out the following form. All team leaders will be automatically notified and have the right to object to publication in a 15-day period by email.

NAME *

EMAIL *

AUTHORS *

TITLE *

JOURNAL TITLE OR CONFERENCE PROCEEDINGS *

ABSTRACT OR SHORT SUMMARY *

Figure 18: Publication intent form

3.6. FTP File Exchange for Reports & Deliverables and Report Preparation

During project communication and document exchange, the need often arises to send files that exceed the size limit imposed in email communication. For this purpose, password-secured large file transfer through ftp was set up through the ENDURANCE server by Partner 8. Browser integration, which mimics the look and feel of a desktop file explorer, including drag and drop functions, will be implemented in January 2015.