

ENHANCED PERFORMANCE AND COST-EFFECTIVE MATERIALS FOR LONG-TERM OPERATION OF PEM WATER ELECTROLYSERS COUPLED TO RENEWABLE POWER SOURCES

Collaborative Project - FCH JU GRANT AGREEMENT N° 300081

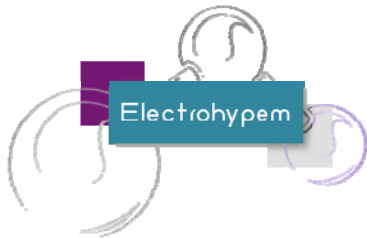
SP1-JTI-FCH.2011.2.7: Innovative Materials and Components for PEM electrolyzers

Start date: 01.07.2012 – **Duration:** 36 months

Project Coordinator: Antonino Salvatore Aricò – CNR-ITAE

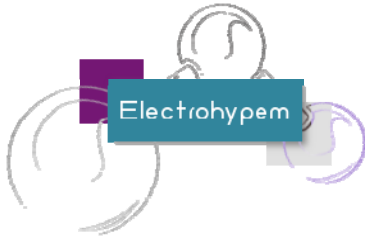
DELIVERABLE REPORT

D7.1: PROJECT WEBSITE AND IMPLEMENTATION OF PROJECT SHARED WORKSPACE		
Due Date	01-01-2013	
Author (s)	N. Cros, D. Jones, M. Dupont, A.S. Aricò	
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DISSEMINATION LEVEL		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	
NATURE OF THE DELIVERABLE		
R	Report	
P	Prototype	
D	Demonstrator	
O	Other	X



SUMMARY	
Keywords	<i>Project website & Project Shared Workspace</i>
Abstract	<p>Project website</p> <p><i>The ELECTROHYPEM project website is designed to fulfill project communication and dissemination needs in the direction of the whole scientific community and the public through relevant information including:</i></p> <ul style="list-style-type: none"> - <i>project overall objectives, partner & work packages information</i> - <i>project activities: meetings, dissemination</i> - <i>project resources: links, related events ...</i> - <i>project contact & information request form</i> <p><i>All the partners will collectively participate in the dissemination objective of the website by providing up-to-date information</i></p> <p>Project Shared Workspace</p> <p><i>To fulfill two fundamental internal project communication requirements: i) efficient exchange between partners of information about ELECTROHYPEM project, ii) decentralised and secured archiving of the documents generated , one independent and secured web-based communication tool: Project Shared Workplace – PSW has been implemented with a restricted access for project partners only.</i></p> <p><i>Among all the functionalities installed on this PSW, for now partners have a total access to the following tools:</i></p> <ul style="list-style-type: none"> • <i>document sharing and archiving</i> • <i>meeting organization</i> • <i>general project communication</i> • <i>online working document</i> • <i>individual project management</i> <p><i>The PSW maintenance is therefore an ongoing activity that will go along with the project lifetime.</i></p>

REVISIONS			
Version	Date	Changed by	Comments
0.1	15-10-2012	Nathalie Cros	First version
0.2	12 -11-2012	A.S. Aricò	Revised
0.3	12-11-2012	D. J. Jones	Revised



IMPLEMENTATION OF A PROJECT WEBSITE AND PROJECT SHARED WORKSPACE

This deliverable report concerns the implementation of a Project Website and Project Shared Workspace (PSW) for the ELECTROHYPEM partners.

A - PROJECT WEBSITE

The website organisation is available at the following address: <http://www.electrohypeM.eu>

I. GOAL

The public website will promote the ELECTROHYPEM project through relevant information including project objectives, partner backgrounds, public project deliverables, news... in direction to the broader scientific community and beyond.

II. HOSTING

The ELECTROHYPEM website is online and fully operational since 20th October 2012. This website is hosted on a dedicated server. The server is an Optiplex GX620 Dell machine (2.8 GHz, 800 MHz bus) with two SATA hard-drives of 80 GB (the second one being **dedicated to daily backup**) and 2 GB 533 MHz DDR memory.

III. MAIN FEATURES

The ELECTROHYPEM website provides public project information organized in several sections detailed below:

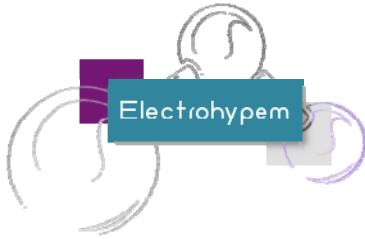
1) GENERAL INFORMATION ON ELECTROHYPEM PROJECT

▶ Permanent information:

- **Home:** General information on the project
- **About Us:** Project, partners & work packages presentation and description
- **Contact:** coordinator information, project address book and online form for information request

▶ Living information:

- **Activities:** news, meetings, publications
- **Resources:** recent updates, related events



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○ **Links**

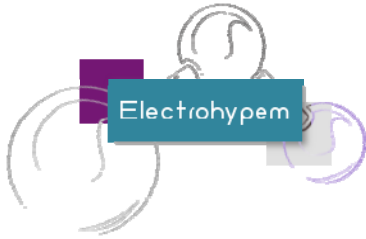
2) LOGIN BUTTON TO ACCESS THE PROJECT SHARED WORKSPACE (PSW)

Using this button, partners are redirected to the PSW login page and asked for their login and password to enter the PSW

The figure 1 below provides a screenshot of the ELECTROHYPEM website.



Fig1: ELECTROHYPEM website Home page screenshot



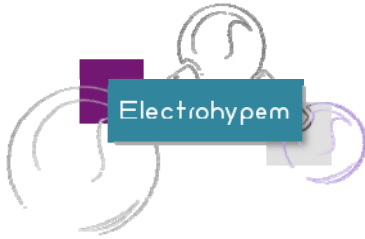
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IV. CONCLUDING REMARKS AND FUTURE WORK

The ELECTROHYPEM website was designed to fulfill project communication and dissemination needs in the direction of the whole scientific community and the public.

All the partners will collectively participate in the dissemination objective of the website by providing up-to-date information, project highlights, job opportunities, related events announcements, list of publications resulting from ELECTROHYPEM activities etc.



B - PROJECT SHARED WORKSPACE

This PSW is available at the following address: <https://pretexo.com/electrohypem2/egroupware>

I. GOAL

The role of the PSW is to promote efficient exchange between partners of information about ELECTROHYPEM project and to ensure a decentralised and secured archiving of the documents generated.

The PSW is accessible via a secured intranet connection through a web-based collaborative software named “eGroupWare”. This professional groupware is used worldwide for the management of numerous collaborative projects and very flexible depending on partner needs.

II. HOSTING

The PSW is online and fully operational since January 10th, 2012. This PSW is hosted on a dedicated server. The server, is an Optiplex GX620 Dell machine (2.8 GHz, 800 MHz bus) with two SATA hard-drives of 80 GB (the second one being dedicated to daily backup) and 2 GB 533 MHz DDR memory.

The PSW confidential information exchanged is secured through a SSL Certificate Encryption & Authentication (Thawte®).

III. MAIN FEATURES

A screenshot of the login page of the PSW is provided in figure 1.

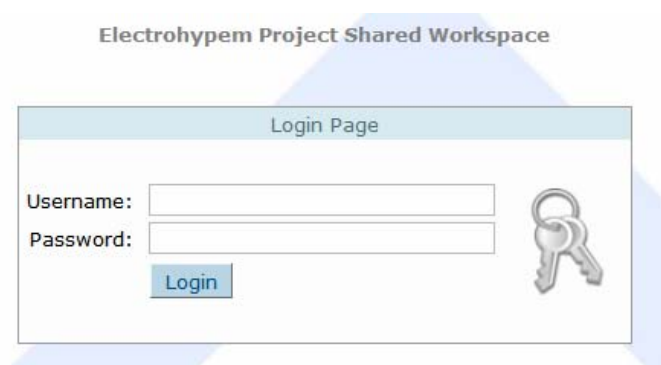


Figure 1: Screenshot of the Project Shared Workplace login Page – Username & Password are unique for each partner

This PSW as a collaborative tool offers various modules listed below and accessible from top menu icons (fig. 2):

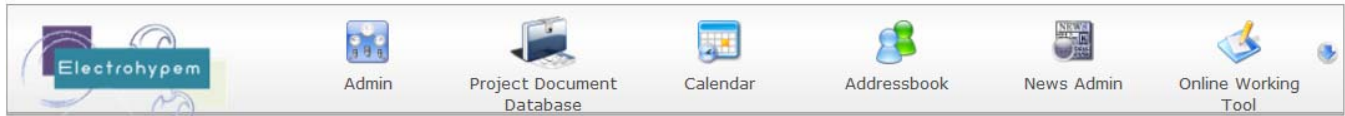


Figure 2: Screenshot of the Project Shared Workplace top menu icons

1) DOCUMENT SHARING & ARCHIVING TOOLS

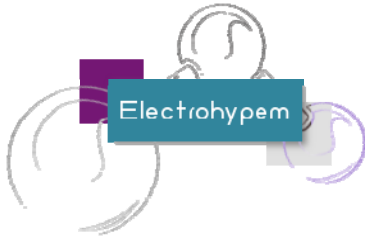
- **Project document database:** Virtual project library including data and files of interest for all the ELECTROHYPEM partners classified in general categories (Progress Meetings, Dissemination, Deliverables ...).
- **File manager:** Fully equipped web based file manager for sharing information and managing documents: Team folder for supporting optimal data exchange, Individual home data area for each user, Upload multiple files at once...
Shared file storage avoids the need to email presentation material etc., between partners.

2) MEETING ORGANISATION TOOL

- **Calendar:** Manage own and shared appointments, link appointments to other parameters like contacts, tasks or attach files, Receive Email notifications about any changes to own calendar, Print function to create a receipt of an appointment with complete information about date, time, subject, notes, participants, attachments ...

3) ONLINE WORKING DOCUMENT TOOL

- **Online working tool:** Enables to read and modify a document directly online, so no more need to exchange files by emails. Recent changes are automatically listed. A search field allows to look for a specific page by entering a search term (e.g. from the title).



4) GENERAL COMMUNICATION TOOLS

- **Home:** Gateway to the intranet with information of interest: *News & Documents in the Database, Communication from the coordinator, Meetings* (figure 3)

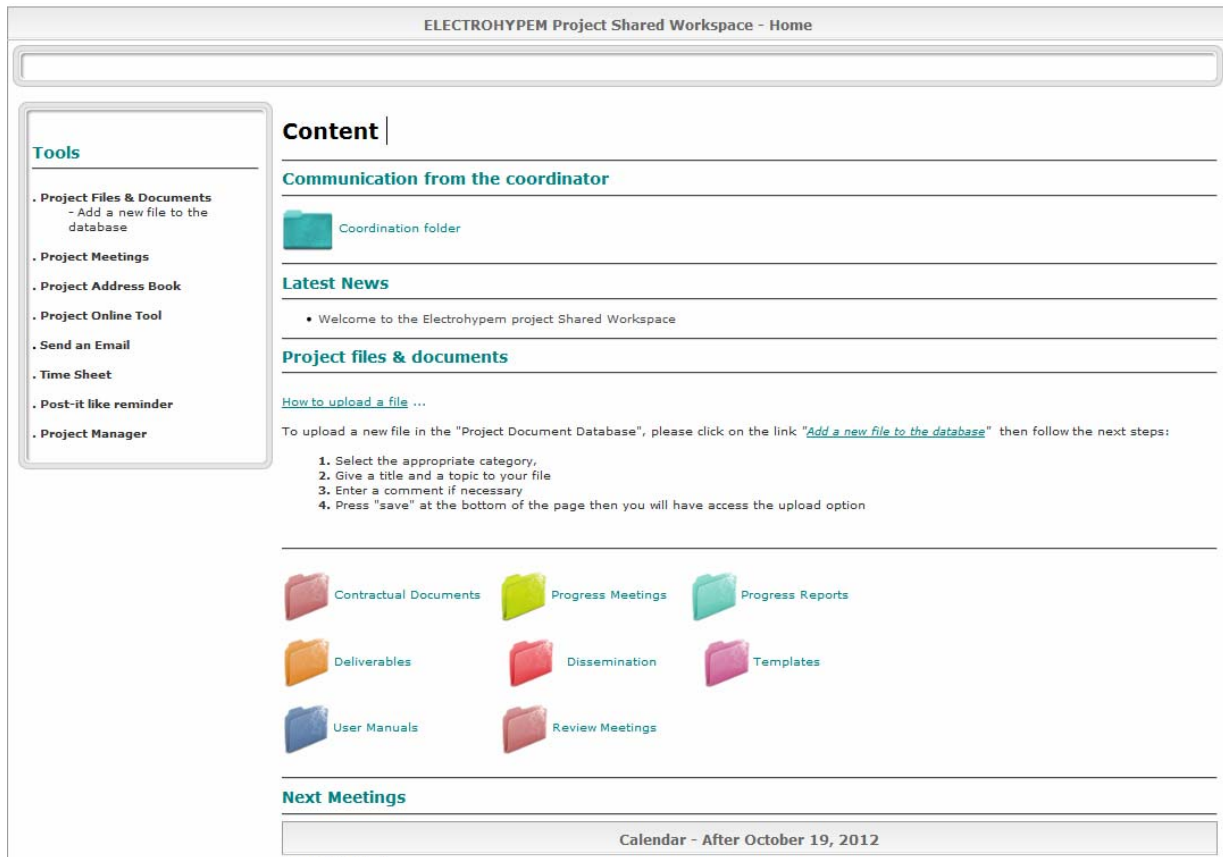
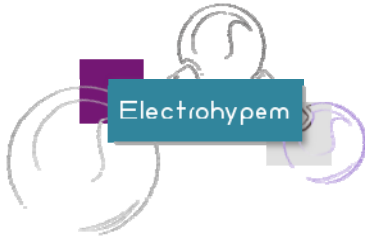


Figure 3: Screenshot of the Project Shared Workplace home page

- **Address book:** Includes partners' coordinates (distribution lists have been created to organise the address database by WP).
- **News admin:** Intranet information system to quickly pass information on to selected readers.
- **Email:** This module has been set **to send emails** from the intranet (inform partners about meetings for example), but **not to receive emails** on this platform (the inbox function has been disabled).



5) PROJECT MANAGEMENT TOOLS

- **Post-it:** “Post-it”-like reminder to create tasks and eventually delegate to team members or group.
- **Timesheet:** Record time spent on the project, link time sheets to tasks, projects, contacts or any other kinds of information in the ELECTROHYPEM Collaborative Platform and classifies them by categories and status.
- **Project Manager:** Create and manage project, staff and budgets, Set milestones, Capture working hours and costs, visualise project status and time line by Gantt chart ...

6) PERSONALISATION – USER MANUALS

- **Preferences:** Change the preferences for all of the applications (according to partner access rights) and also **change password**.
- **Manual/help:** A *Quick Start* and an *Overview* are available in the Knowledge base. In addition, for each application a full on-line manual is available.

IV. CONCLUDING REMARKS AND FUTURE WORK

The structure and content of the PSW can be subjected to changes and improvements during the project lifetime, to fulfil possible new needs and emerging requirements. The PSW maintenance is therefore an on-going activity that will be updated as project development proceeds.