D7.2 - Project Website

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STORAGE4GRID

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Document History

Version	Date	Author(s)	Description
0.1	2017-01-04	ISMB	First version of the TOC
0.2	2017-01-15	ISMB	Added information about Website Tools and Technologies
0.3	2017-01-25	ISMB	Added first version of website areas
0.4	2017-02-01	ISMB	Included other comments from task participants.
0.5	2017-02-02	ISMB	Further improvements. Version ready for internal review.
0.6	2017-02-17	EDYNA/ALPERIA, UPB	Comments by internal reviewers aggregated and applied.
0.7	2017-02-21	FRAUNHOFER	Comments from FRAUNHOFER are integrated
0.8	2017-02-24	UNINOVA	Comments from UNINOVA are integrated
1.0	2017-02-28	ISMB	Final version, ready for submission to the EC

Internal Review History

Review Date	Reviewer	Summary of Comments
2017-02-13 (v0.5)	Karen Stocker (EDYNA/ALPERIA)	Approved: • General minor correction • Proposed correction regarding future new features
2017-02-20 (v0.6)	Marco Jahn (FRAUNHOFER)	Approved: • General minor correction • Proposed suggestion related to subsection content

Table of Contents

Executive Summary

D7.2 – "Project Website" presents the design principles, structure and technologies adopted of the Storage4Grid website. The document is organized in four sections.

Firstly, an introduction section starts, to identify the main purpose of the Storage4Grid project website, and its correlation/references to other documents. The Storage4Grid project website is the main tool to provide contents and results about the project for the general, scientific, and industrial public.

Secondly, all adopted web technologies are explained in details. From this section, the context and benefits of technologies selected are presented.

Thirdly, the Storage4Grid website is designed with refined principles. To guarantee the readability, competence and reasonability of the content, there are six main areas with subareas if necessary.

Then external tools or technologies, which are not for website development but for monitoring, subscribing news, and updating with social media, are considered as the last part.

1 Introduction

The Storage4Grid project website http://www.storage4grid.eu is the main tool for dissemination of knowledge and results generated by the project to the general, scientific and industrial public, including private citizens, companies and public organizations. To achieve this purpose, the website has been structured to provide both general information about the project and up-to-date news related to project achievements and relevant results. The website is also the main tool used to release contractual deliverables to the public.

The website has been designed with the following principles in mind:

- It serves the public with a friendly interface to seek information about communication, dissemination, exploitation and standardization initiatives promoted by the project.
- It contributes to the promotion of the visual identity of the project.
- It helps joint co-dissemination activities, supporting the project in raising awareness of other initiatives from the European Commission (EC) and related European projects.

1.1 Scope

The Storage4Grid website is a result of WP7 – "Dissemination, Exploitation and Standardization" and specifically of Task 7.1 – "Outreach Strategy". Task T7.1 has included activities to set up the initial version of the project website, which will be further maintained by Task T7.2 – "Dissemination" participants throughout the whole project life, providing up-to-date information about the project and its results to the public.

1.2 Related documents

ID	Title	Reference	Version	Date
[D1.1]	Project Quality & Risk Management Plan	D1.1	1.0	2016-12-23
[D7.1]	Communication and Dissemination Strategy	D7.1	1.0	2017-02-23

2   Adopted Tools and Technologies

The project has been built using widely adopted open-source technologies and hosting systems. More specifically, the website adopts the well-known Jekyll website generator[i], including a template built-upon the popular front-end framework Bootstrap[ii]. The website is hosted by the free GitHub Pages service[iii].

2.1 Jekyll

Jekyll is a popular static site generator designed for blogging and software documentation. Jekyll simplifies the creation and self-generation of site-wide headers and footers removing the need to copy them and keep the manually synchronized across multiple pages. It also offers advanced template features, the option to quickly create a new Jekyll site with the Jekyll Theme Chooser, and Jekyll theme support.

The main advantages of Jekyll are:
- It allows publishing contents using the simple Markdown format instead of HTML.
- It allows quick customization of themes without copying CSS files.
- It allows the use of common templates, such as headers and footers or other site-wide snippets that are shared across multiple pages.
- It features a simplified and free build process to build and publish the website through GitHub Pages.

2.2 GitHub Pages

GitHub Pages is designed to host personal, organization, or project pages directly from a GitHub repository. It is easy to create and publish GitHub Pages by using a static website generator, such as Jekyll, which is the default static generator power by GitHub Pages.

GitHub Pages sites are subject to the following usage limits:
- GitHub Pages source repositories have a recommended limit of 1GB.
- Published GitHub Pages sites may be no larger than 1 GB.
- GitHub Pages sites have a soft bandwidth limit of 100GB per month.
- GitHub Pages sites have a soft limit of 10 builds per hour.

In case the website will exceed usage quotas, a third-party content distribution network can be set-up to serve pages of the website to users. Additionally, it is possible to customize the domain name for sites hosted by GitHub Pages.
The www.storage4grid.eu name is adopted as the chosen domain name. To attract more traffic, the domain http://www.storage4grid.com has also been set-up, and automatically re-directs to http://www.storage4grid.eu.

2.3 Bootstrap

Bootstrap is a popular HTML, CSS, and JS framework for developing responsive web-sites. Bootstrap provides support to automatically scales the website contents to multiple screen sizes, with a single code base. Supported devices include normal PC screens, phones, tablets.

3   Website Areas

3.1 Home

Home area as shown in Figure 1, provides an overview of the aims, vision and results of Storage4Grid project, and lists the essential three scenarios and partners. This area is a starting page from which visitors can get a basic idea of what the Storage4Grid project means and stands for, with the ability to freely navigate to sections that might spark ones' interest.

Figure 1 - Home Area

3.2 Storage4Grid

This area provides three sub-areas such as concept, technical objectives and strategic objectives.
- Concept
  From this sub area, information of decision support concept and operation concept of the project can be obtained.
- Technical Objectives
  Technical objectives focus on technological aspects of the project. In total, there are 6 technological objectives listed here.
- Strategic Objectives
  Strategic objectives focus on sustainable business models, standardization to support interoperability and take up security and privacy aspects, engagement with professionals and residential end-users.

3.3 Scenarios

This area contains three scenarios.
- Advanced Cooperative Storage System
- Cooperative EV charging
- Storage Coordination

3.4 International Partnership

This area contains three subsections as listed below. As the name indicates, project partners and ESG members are collected in this area.
- Partners

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- External Stakeholder Group
- Call for ESG Members

3.5 Results

This area aims at providing all deliverables uploaded and corresponding information for each deliverable. There are two parts for this area.

- Deliverables
  This part collects all deliverables which are at CO or PU level. For deliverables with CO type, the download links are not provided.
- Publications
  This part, inactive in the early phases of the project, will report highlights about results published by the consortium e.g. in international conferences and journals.

3.6 News

All events and activities are listed here. Visitors can follow real time polling news via social links in this section. As shown in Figure 2, the project provides three ways to follow the news related to this project. Visitors can subscribe via RSS to receive notifications about news or follow Storage4Grid twitter account to make use of direct updates regarding the project. In addition, there is still also the option of just checking the project website for news as there are posts synchronized via twitter plugin integration.
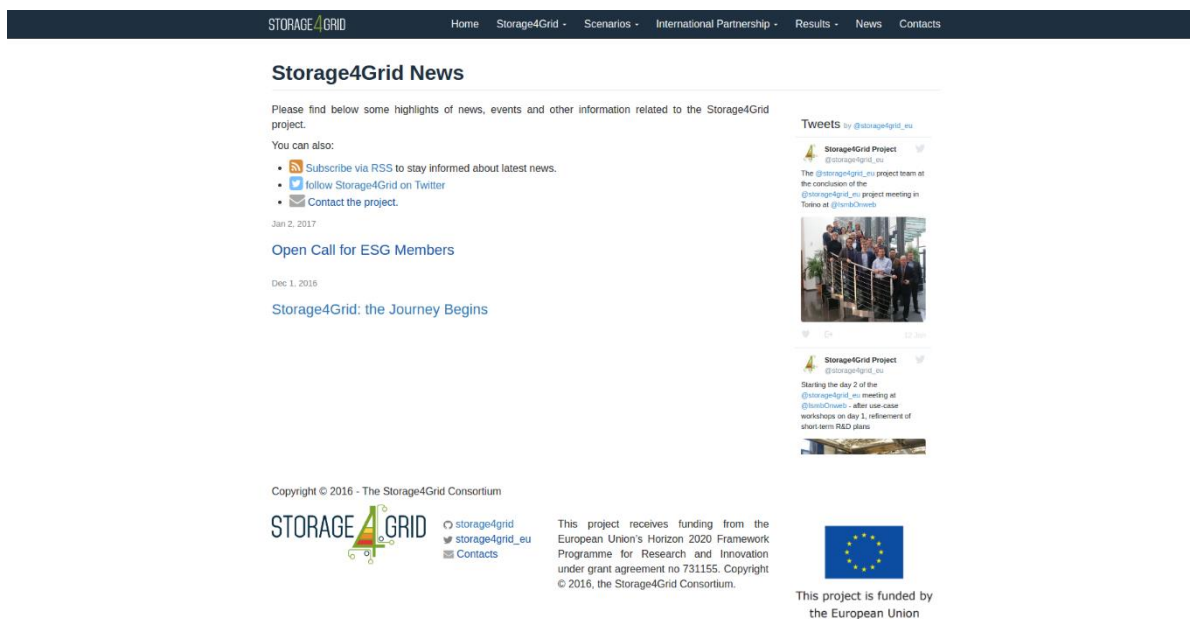

Figure 2 - News Area

3.7 Contacts

Project contact details are summarized in this area. People who are interested in the Storage4Grid project, can directly contact the project by following instructions in this section (see Figure **3**).
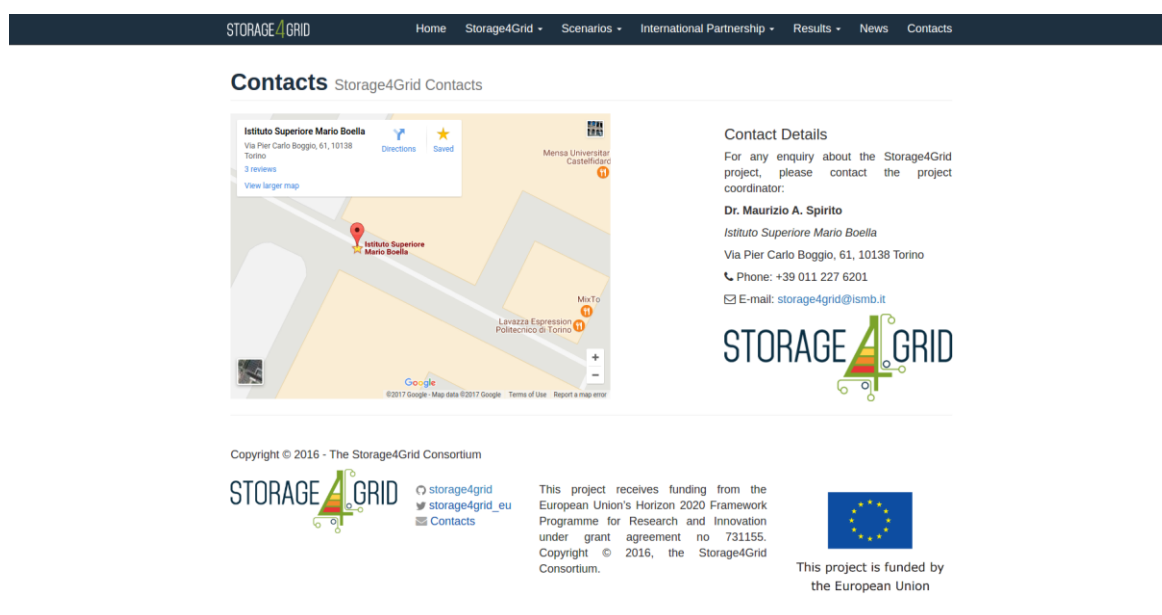
Figure 3 - Contacts Area

The Storage4Grid website is open to accept dynamic changes. Throughout the project, new features could be added to optimize dissemination of project results. Work Package leaders will define new features jointly, regarding to the results from WP4, WP5 and WP6.

4 External tools

Compatible with the project outreach strategy, external tools are exploited to further enhance the impact of project. For the website, google analytics and twitter have been chosen as complementariness. RSS is also further explained in this section.

- Google Analytics[iv] allows monitoring and tracking of all the website traffic. It will be used to collect and monitor the usage statistics.
- Twitter[v] is an online news and social networking service where users post and read messages. To enlarge the impact of the project, and attract the public, a project account has been created. The account will be used to publish and share real time information about project events, key results and relevant news.

- RSS Feed[vi]: RSS (Rich Site Summary; originally RDF Site Summary; often called Really Simple Syndication) uses a family of standard web feed formats to publish frequently updated information: posts, news, audio and video. Subscribing to RSS a website allows a reader to be informed about new content automatically.

Acronyms

Acronym	Explanation
EC	European Commission
HTML	HyperText Markup Language
CSS	Cascading Style Sheets
JS	Javascript
CO	Confidential
PU	Public
RSS	Rich Site Summary

List of figures

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References

[i] Jekyll website - https://jekyllrb.com/
[ii] Bootstrap website - http://getbootstrap.com/
[iii] GitHub Pages - https://pages.github.com/
[iv] Google Analysis - https://analytics.google.com/
[v] Twitter project account - https://twitter.com/storage4grid_eu
[vi] RSS feed wiki - https://en.wikipedia.org/wiki/RSS