



**EUROPEAN OPEN  
SCIENCE CLOUD**

## DELIVERABLE REPORT

Project acronym: CS3MESH4EOSC

Deliverable D5.6: First Public Version of Project Website

Contractual delivery date	29-02-2020
Actual delivery date	08-03-2020
Grant Agreement no.	863353
Work Package	WP5
Nature of Deliverable	W (Website)
URL	<a href="http://cs3mesh4eosc.eu">http://cs3mesh4eosc.eu</a>
Dissemination Level	PU (Public)
Lead Partner	DTU
Document ID	CS3MESH4EOSC-20-002
Authors	Frederik Orellana (DTU)

### Disclaimer:

The document reflects only the authors' view and the European Commission is not responsible for any use that may be made of the information it contains.



*This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 863353*

© Technical University of Denmark on behalf of the CS3MESH4EOSC project



## **Abstract**

The public project website together with a private collaboration site have been built and deployed on one of the technological platforms of the project. The rationale and technical choices behind this are described as well as the content and functionality of the sites themselves.

# Table of Contents

1. Acronyms .....	5
2. Purpose and scope of the deliverable .....	6
2.1. Project background and rationale .....	6
2.2. Target audience .....	6
2.3. Choice of technology .....	7
3. Public site .....	8
3.1. Front page .....	8
3.2. Events, News and blog posts.....	9
3.3. Logo .....	11
4. Internal site .....	12
4.1. Front page and files area.....	12
5. Promoting reuse .....	14
6. Table of figures.....	15

# 1. Acronyms

<b>CMS</b>	Content management system
<b>CS3</b>	Cloud Storage Services for Synchronization and Sharing
<b>DTU</b>	Technical University of Denmark
<b>EOSC</b>	European Open Science Cloud
<b>RSS</b>	Really Simple Syndication

## 2. Purpose and scope of the deliverable

This document is a short explanatory companion to the actual deliverable - the website, which can be visited at [cs3mesh4eosc.eu](http://cs3mesh4eosc.eu)<sup>1</sup>.

The points made here are to some extent a prelude to the more general report, D5.1. Communication & Stakeholder Engagement Plan, which is due 30-04-2020. We include them already now to allow the reader to better follow the reasoning behind design and functionality decisions.

### 2.1. Project background and rationale

The background for the project is a growing interest in building data services for research that: 1) are self-hosted, 2) provide or interact with services providing rich research/data functionality: data-processing, meta-data, data-publishing, data-archiving etc.

This interest has concretely resulted in the growing CS3 community<sup>2</sup> with yearly conferences - from which the project sprang.

The overall aim of the CS3MESH4EOSC project is to create a mesh of interconnected data services for European research under the EOSC umbrella. The concrete expected results fall in two categories: 1) APIs and code, 2) services. Both take the form of contributions to standardization, coding and operational activities under the auspices of formalized communities and organizations that are expected to outlive the project itself.

Thus, the purpose of the project website is both to inform about concrete CS3MESH4EOSC activities and more generally to raise awareness of EOSC and EOSC-related communities and initiatives like CS3, OpenCloudMesh, Reva and eduGAIN.

### 2.2. Target audience

Beside the consortium and project stakeholders, an important target audience is the individual researcher and in particular the research group leader or IT responsible.

Each of these should be able to find useful and to-the-point information that will allow them to start using the infrastructure and tools as they are being built by the project.

We also regard it as important that especially young researchers get an impression of a serious, active and modern community, building viable and contemporary replacements for core data services like those provided by US web giants - and at the same time providing research features addressing the concrete data needs they have in their daily

---

<sup>1</sup> <http://cs3mesh4eosc.eu>

<sup>2</sup> <http://cs3community.org/>

work.

## 2.3. Choice of technology

We've chosen to build our website directly on one of our core data services (the one provided by DTU - sciencedata.dk<sup>3</sup> on a publication platform (an ownCloud app<sup>4</sup>) we're already promoting to researchers for creating documentation for datasets, code, home pages etc.

The issues of data privacy and sovereignty pertinent to the background for the project make this choice all the more natural.

### Notable features:

- The files making up the website live in a folder of the data service, owned by a regular user and shared with a group consisting of the consortium members
- Files can be edited by any consortium member
- Content and style are clearly separated in Markdown files and style/theme files - the editors (i.e. the communication staff) are only expected to edit the Markdown files
- Markdown as *lingua franca*: Instead of hosting static HTML or a typical site with a database backend, we've chose a flat file CMS which can live directly on our core data service

---

<sup>3</sup> <https://sciencedata.dk/>

<sup>4</sup> <https://sciencedata.dk/sites/user/Websites/index>

### 3. Public site

The public site, [cs3mesh4eosc.eu](https://cs3mesh4eosc.eu)<sup>5</sup>, has a conventional structure with a front page, a few static pages ("Objectives", "Technology" and "About") and two dynamic pages with posts that can be typed directly in the web interface ("Events", "News").

All pages have a navigation header featuring the (provisional) project logo.

All static pages have a footer with social media links to project channels. Dynamic pages have a footer with an RSS link. The posts themselves have a footer with social media links allowing sharing the post.

For logged-in consortium members all pages feature an edit button allowing editing the page content directly in the browser.

#### 3.1. Front page

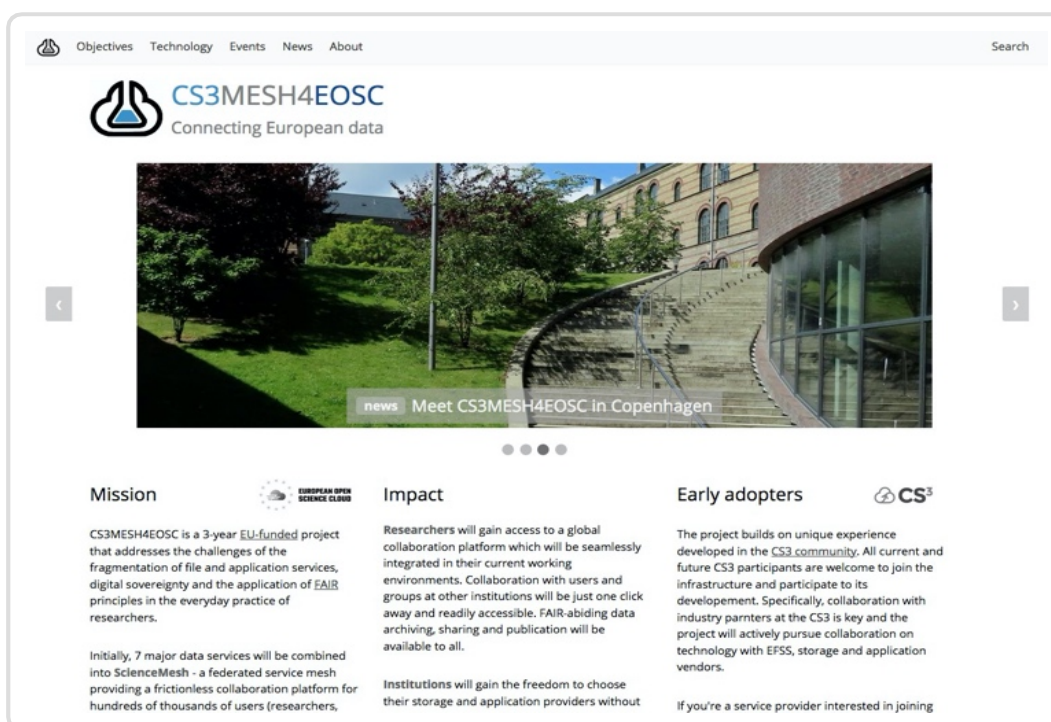


Figure 1: Front page

The front page features a carousel of images taken from the events and news posts - which can be tagged for appearing on the front page by their author.

<sup>5</sup> <https://cs3mesh4eosc.eu>



Moreover, it features a three-column layout, with each of the columns conveying essential information about the project.

### 3.2. Events, News and blog posts

The two menu points "Events" and "News" each point to a dynamic page with a list of posts in the respective categories, organized chronologically.

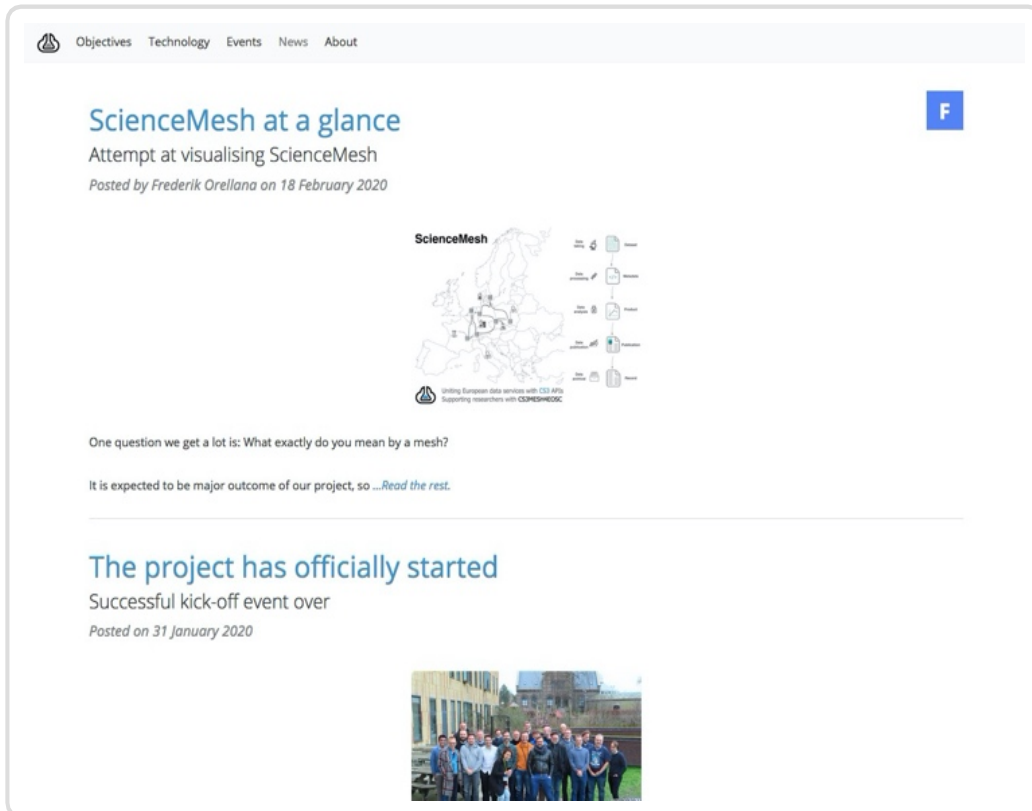


Figure 2: Menu "Events" and "News"

When visiting a post, a logged-in consortium member can simply click a "Show file" button,

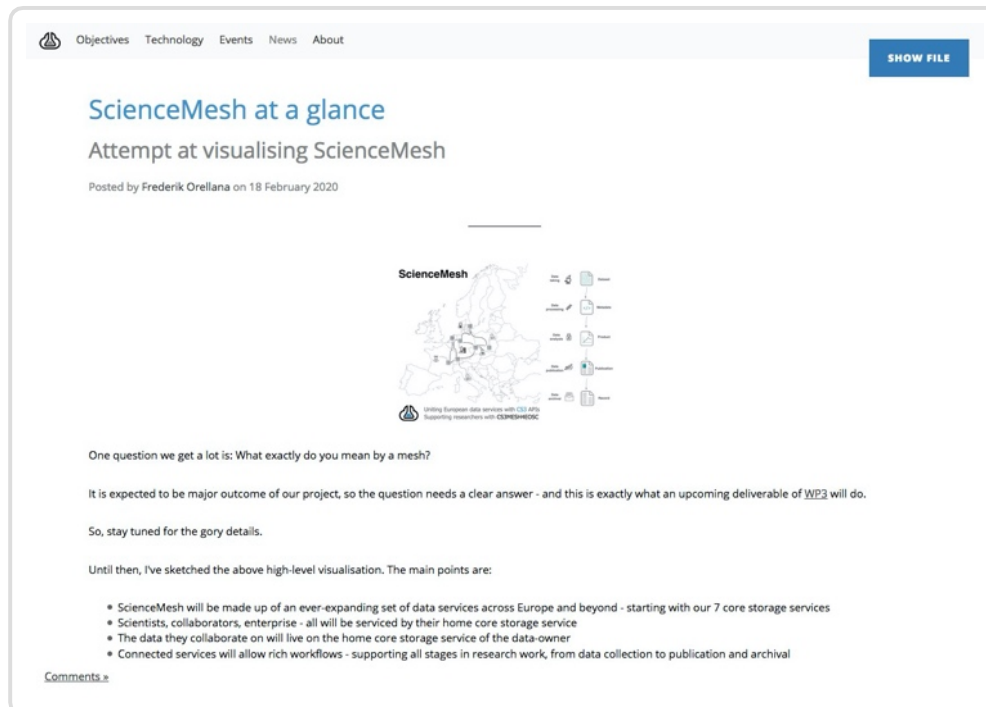


Figure 3: "Show file" button

and write and publish posts directly in the browser.

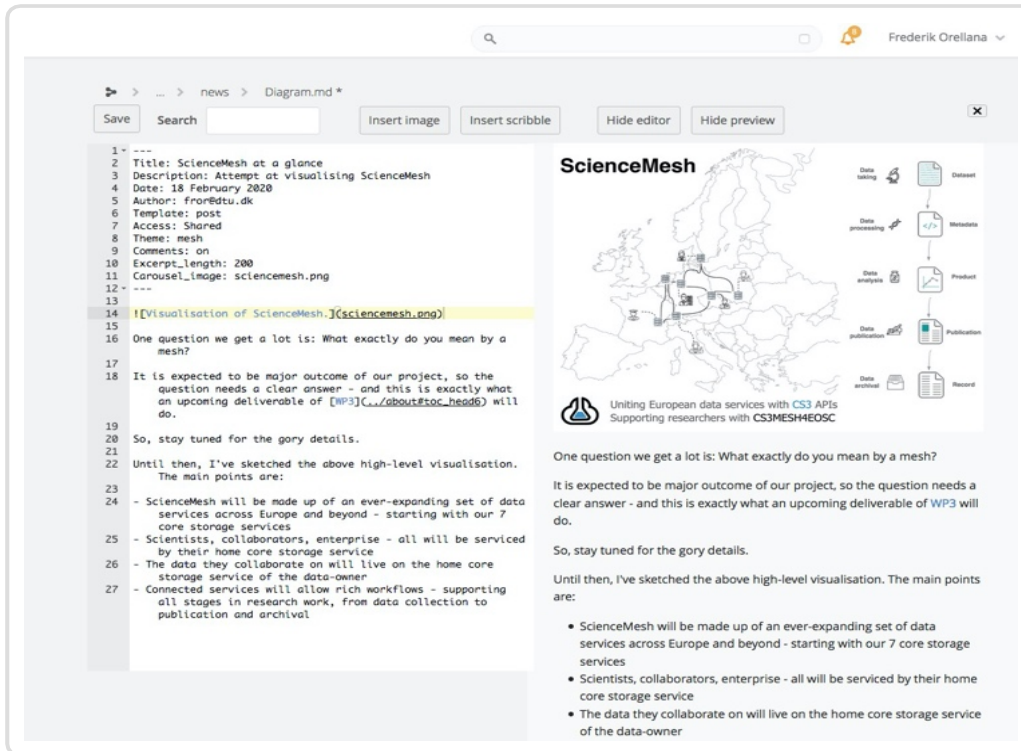


Figure 4: Blog

A third category "Blog" has been reserved for future utterings of project members.

### 3.3. Logo

The logo is a provisional one. IPR issues are under clarification - it has similarities with other logos (notably the CS3 logo and the logo of researchobject.org).

## 4. Internal site

The internal site is built with the same technology as the public one, but with an intentionally smaller feature set: Functionality can easily be added as needs arise. E.g. at this point it is not clear how much information it is necessary to divulge internally via web pages. Creating news, blog sections, RES feeds etc. can be done in a matter of minutes.

### 4.1. Front page and files area

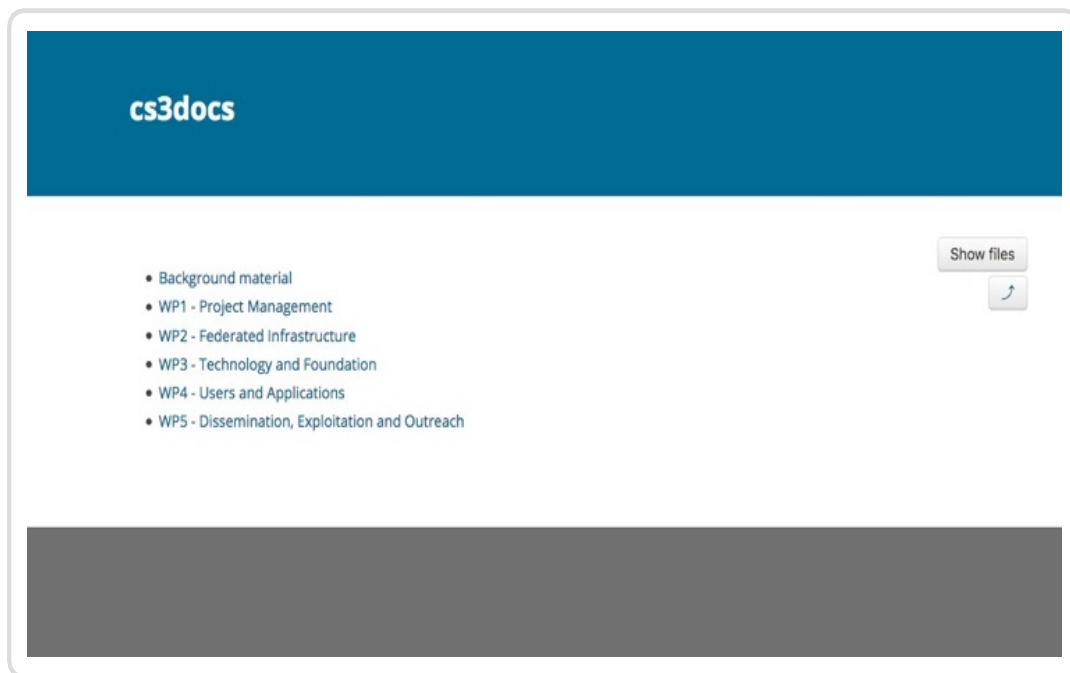


Figure 5: Front page

The front page is simply a directory listing of the underlying file area - which is organized with a directory for each work-package.

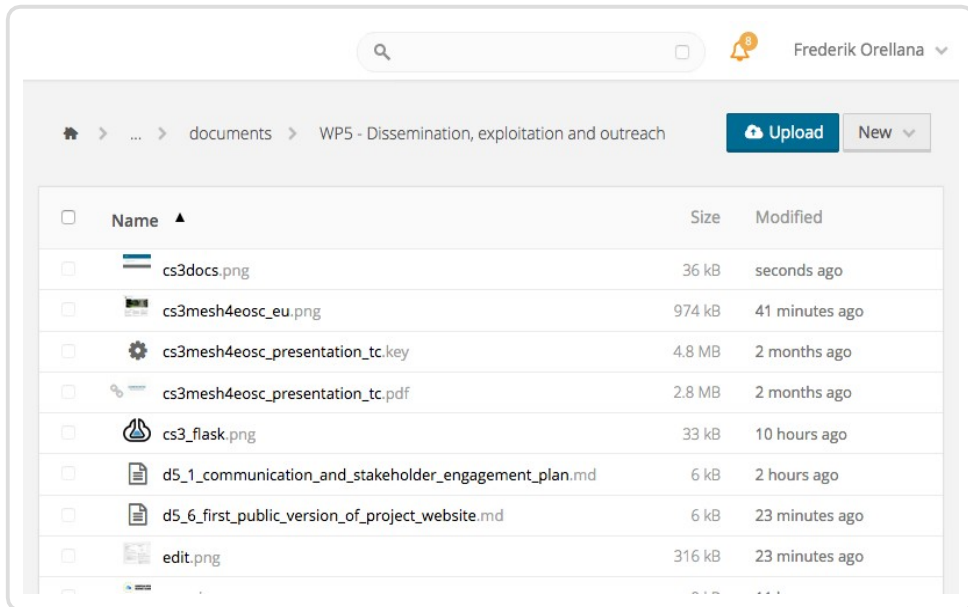


Figure 6: Files area

This area provides a common area for each work package to collaborate on and store documents - like slides, flyers, posters or project deliverable reports - as well as templates and images for these

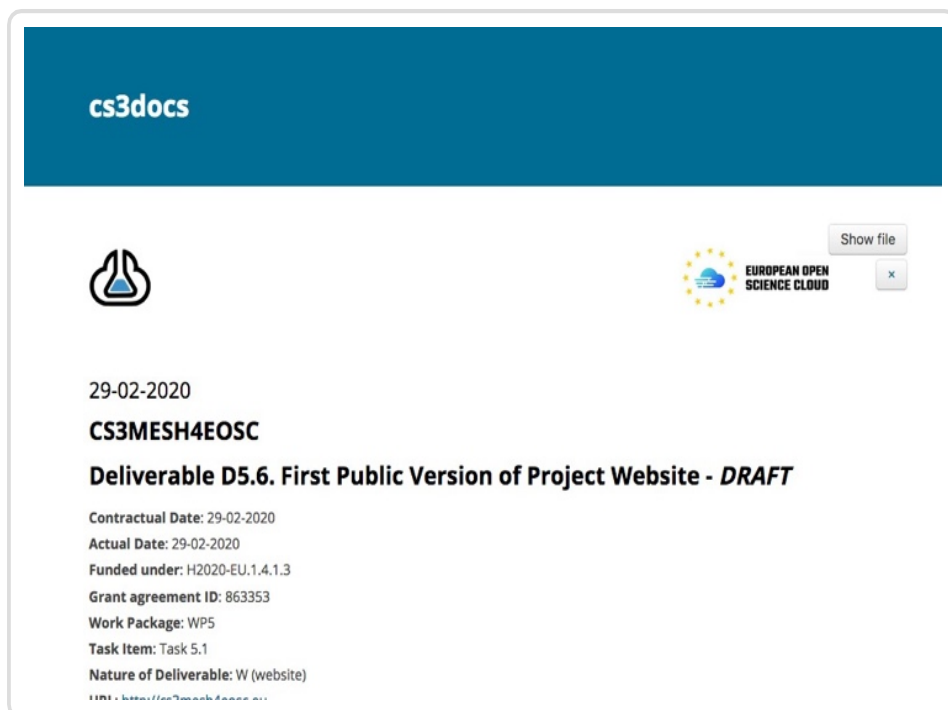


Figure 7: Example document

## 5. Promoting reuse

As already mentioned, one intention behind using our own services for serving the project websites directly off one of our own services is to showcase and harden functionality which we promote to researchers. Another is to encourage reuse of outreach material and consistent layout across the project.

For example, the current report is a simple Markdown text file which, when served via our publication service, is marked up to the present layout/appearance in a web browser.

Another intention is to have a common place for keeping a record of project results - documentation of code and services, tutorial material including examples of e.g. Jupyter notebooks, archival objects and test data samples. Such file areas will be created as the project progresses.

In summary, we believe we're well on the way to fulfilling one aim stated in the project proposal:

*The objective of this task is to ensure an innovative and visible CS3MESH4EOSC digital presence and to offer users and stakeholders smart, easy to use and attractive tools to benefit from. Specifically, Task 5.1 will:*

- *Develop a collaborative, open source, web platform, including community creation, integrated newsletter tool, RSS feed.*
- *Deliver all graphic design activities for the project.*

## 6. Table of figures

Figure 1: Front page.....	8
Figure 2: Menu "Events" and "News" .....	9
Figure 3: "Show file" button.....	10
Figure 4: Blog.....	11
Figure 5: Front page.....	12
Figure 6: Files area .....	13
Figure 7: Example document .....	13

Copyright © CS3MESH4EOSC Internal Wiki 2020