Grant Agreement Number: 645496

Call: ICT-01-2014: Smart Cyber-Physical Systems



# **H2020 FRAMEWORK PROGRAMME** ICT-01-2014: Smart Cyber-Physical Systems

PROJECT NUMBER: 645496



# Agile, eXtensible, fast I/O Module for the cyber-physical era

# D1.1 - Project Web Site

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### Lead contractor for the deliverable: UNISI

**Revision**: See file name in document footer.

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PP	Restricted to other program 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)				

### **Change Control**

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		Roberto Giorgi		
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		Roberto Giorgi		
1.2	17.04.2015	Jem Macy	UNISI	Third draft
1.3	24.04.2015	Jem Macy	UNISI	Fourth draft
				Final version

# **Release Approval**

Name	Role	Date
Jem Macy	Originator	17.04.2015
Jem Macy	WP Leader	24.04.2015
Roberto Giorgi	Project Coordinator for formal deliverable	30.04.2015

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Deliverable name: Project Web Site

File name: AXIOM-D1.1 Project Web Site-v4.docx

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The following list of authors will be updated to reflect the list of contributors to the document.

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### **GLOSSARY**

 $\pmb{CMS}-Content\ Management\ System$ 

**LAMP** – Linux Apache MySQL PHP software bundle

**SVN** – Software versioning system

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# **Executive summary**

This report describes the AXIOM project web site (<a href="http://www.axiom-project.eu">http://www.axiom-project.eu</a>), including the public space (front end), the restricted-access intranet site or wiki for project participants, the web tools provided therein and the backend used to administer all of the above, namely:

Web Site Backend: http://www.axiom-project.eu/wp-admin/

Wiki (intranet): http://wiki.axiom-project.eu

Git: https://git.axiom-project.eu

SVN: https://svn.axiom-project.eu

Upload site: <a href="https://upload.axiom-project.eu">https://upload.axiom-project.eu</a>

Note: Although the D1.1 deliverable was not due in document form (only the website itself is), we preferred to write a short description for our own records and to better document the work.

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### Introduction

#### 1.1 Document structure

This is a very short document for our own records and to document the work.

#### 1.2 Relation to other deliverables

The public and restricted-access sections of the web site are essential communication and collaboration tools for the project participants in the achievement of all deliverables from the beginning of the project onward. See also the dissemination plan, document D2.1

### 1.3 Tasks involved in this deliverable

- Develop the public project website to promote the project, provide information about it, share publicly-available project and project-related documentation, funnel inquiries from the public about the project and provide a forum for discussion among project participants and nonparticipants.
- Develop a restricted-access area to be used only by project that contains all project documentation with restricted dissemination levels, serves as a platform for collaborating on both deliverables and reports and provide tools that facilitate efficient teamwork across geographically distinct sites and among multiple contributors.
- Create the relevant project mailing lists.
- Outline a plan for ongoing administration and maintenance of the above.<sup>1</sup>

# 2 The axiom-project.eu web site

The first version of the project web site was developed in advance of the start of the project and presented at the kick-off meeting. The new, definitive version, released on 16 April 2015, reflects changes and improvements made on the basis of the project participants' initial experiences with the initial web site.

#### 2.1 Contributors

The project web site specifications were developed by Prof. Roberto Giorgi in collaboration with Maurizio Caporali. The development of the site itself, including the public and restricted-access areas, was carried out in large part by Maurizio Caporali.

#### 2.2 Hardware

The web site server is based at the Department of Information Engineering at the University of Siena.

#### 2.3 Software

The web site uses an OpenSource Linux server, running different web programs to manage the internet and intranet areas of the site. The software platforms are:

- A CMS framework based on Wordpress.org, a free, open-source content management system.
- A wiki system based on MediaWiki, a free, open-source collaborative web tool.
- Git, a free, open-source version control system used to trace software development.
- SVN, an alternative free, open-source version control system used to trace software development.
- An internally developed upload site for big files (e.g., several GBytes).

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# 2.4 Component specifics

### 2.4.1 Front end – the public web site

The Wordpress content management system was chosen for its power, simplicity and flexibility with respect to the creation and updating of elements in both the public and restricted-access areas. The Avada theme was chosen for both its power (in terms of what can be built into the site) and the clear navigation logic that it provides. The site's vertical layout allows for a rich variety of widget-based components. It is expected that the site will change over time as the content expands and develops.

# **2.4.1.1** Homepage

Elements of the homepage (Figure 1), from top to bottom, include:

- The project logo, EU logo, main menu and social network menu,
- An animated header,
- A summary of characteristics of project objectives,
- An infographical schematic of the main concepts of Smart Cyber-Physical Systems,
- A section with links to three most recent posts on the project blog (http://www.axiom-project.eu/blog/),
- A section with links to all project partners' web sites and to further project information,
- A footer menu with links to recent tweets from the project Twitter account (@axiom\_project) and project contact details.

#### **2.4.1.2** Main Menu

From the homepage, access is provided to other areas of the site including Project, Press Coverage, Blog, Publications and Private area menu.

- The Project section contains a list of all AXIOM project deliverables, all AXIOM partners and a group of related links.
- The Press Coverage section contains a list of links to all press coverage of the AXIOM project.
- The Blog item in the menu is a link to the AXIOM project blog.
- The Publications section will contain a list of all project-related publications, conference papers etc. For sake of simplicity, we prefer to avoid to sophisticated means to manage the publication insertion, which will be handled through the CMS interface.
- The Private Area section contains includes the areas listed below: Back End, Wiki, Git, SVN and Upload site.

#### 2.4.2 Back end

The Wordpress administration tool (Figure 2) or back end provides quick and easy editing as well as the management of all users of both the public and restricted-access areas of the project web site and wiki. The site administrator assigns access permissions for all site areas from one central page.

Statistics are managed via Google Analytics

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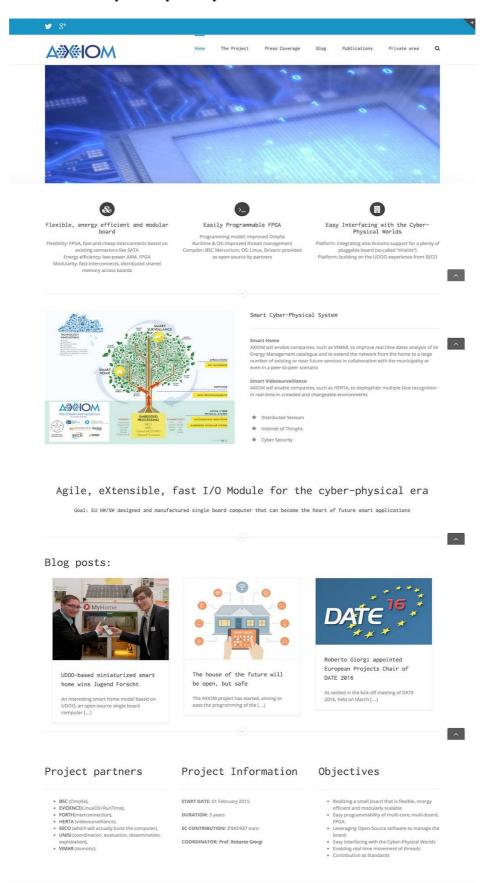


Figure 1 - Homepage

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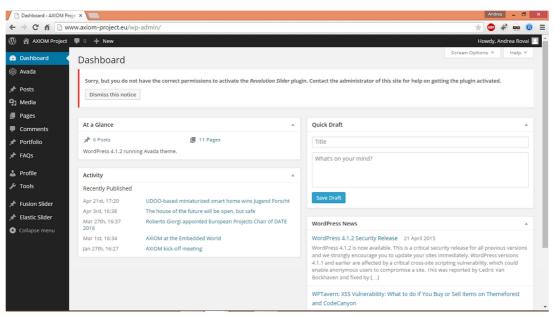


Figure 2 – Administration page

#### 2.4.3 Wiki

This wiki area (Figure 3) of the web site is restricted to use by the project participants and exists to facilitate collaboration on reports and deliverables, to allow rapid publication of updated results and developments and to share non-public information and documentation. The Wiki is divided into sections for each Work Package (1-7), as reflected in its main menu.

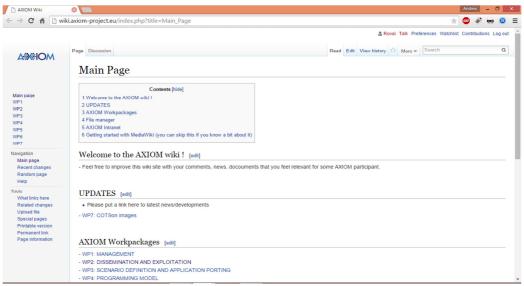


Figure 3 - Wiki

#### 2.4.4 Git and SVN

Git and SVN (Figure 4 and Figure 5) are free, open-source version and revision control systems used to trace software development. Their use is restricted to project participants involved in developing software components. There is also a public section to check out those codes that we can release to the public. Both are high-performance, easy-to-learn tools that facilitate collaboration. Two tools are provided with the aims of including our source code in development and in order to respond to the working preferences of different developers.

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Figure 5 - SVN

# 2.4.5 Upload

The upload site was developed internally to expedite the sharing of the very large files needed in board development—for example, binaries, images and sources--among project participants.

#### **AXIOM upload site**

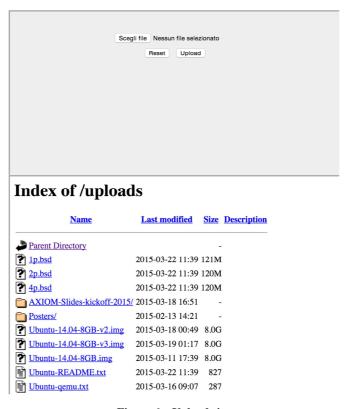


Figure 6 – Upload site

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# 3 Mailing lists and their web sites

The following mailing lists have been created and are in use by project participants:

<u>AXIOM Executive Board mailing list:</u> This mailing list should be used by the Executive Board members and the Project Manager to discuss topics related to the Executive Board.

axiom-eb@mailsrv.dii.unisi.it

<u>AXIOM Work Package mailing lists:</u> These mailing lists should be used by Work Package participants to communicate information about the specific Work Packages.

axiom-wp1@mailsrv.dii.unisi.it or the alias axiom-adm@mailsrv.dii.unisi.it

axiom-wp2@mailsrv.dii.unisi.it

axiom-wp3@mailsrv.dii.unisi.it

axiom-wp4@mailsrv.dii.unisi.it

axiom-wp5@mailsrv.dii.unisi.it

axiom-wp6@mailsrv.dii.unisi.it

axiom-wp7@mailsrv.dii.unisi.it

Other mailing lists will be created as needed based on requests from the consortium. For each mailing list, a web site is available for administering it, for managing user options and to browse archives of all messages sent using these mailing lists.

# 4 Conclusion

This report describes the project web site architecture and contents. Other relevant information is contained in the report on the dissemination plan, D2.1.

# References

Wordpress http://www.wordpress.org
Avada http://theme-fusion.com/avada/
MediaWiki http://www.mediawiki.org
Git http://www.git-scm.com

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