D6.1 Public Website
Version 1.0

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Change Log

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v1.0	Initial release to the European Commission

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Executive Summary

Web presence is the central element in the dissemination activities of the ParaDIME Project. This document describes the structure, the content and the update process for the ParaDIME Project Public Website. The actual deliverable is available at: www.paradime-project.eu.

1 Design and Implementation

The ParaDIME Project Public Website (www.paradime-project.eu) was implemented by the BSC web designer and webmaster. The appearance of the website reflects the corporate image of the project through a clean and functional design and a simple logo.

The website is based on a Drupal Content Management System. Drupal is a free content management system which allows maximum flexibility for content updates and allows extensions to the structure both regarding the number of topics as well as the depth of the information.

2 Structure and Content

The structure of the website is presently divided into the following main headings.

2.1 Home

This main page frames the larger ParaDIME Project problem and describes the high level project objectives. In a future release, it will have a presentation or improved text to bring the meaning of the project closer to the general society at large. It informs the reader that the project is funded by the European Commission's 7th framework programme and contains the appropriate FP7 and FET links and logos.

2.2 About

This secondary page provides additional technical detail about the project which will be further targeted toward scientists, engineers and other potential collaborators in a future release.

2.3 Partners

The "Partners" page presents the complete list of Partners and links to their institutional websites as well as introduces the key individual contributors to the project via short biographical sketches.

2.4 Industrial Advisors

The "Industrial Advisors" page introduces the members (by organization) of the Industrial Advisory Board. It also provides a short description of the purpose of the board.

2.5   Publications

The "Publications" page lists all scientific publications related to the project beginning with the most recent publication. It has a searchable database backend that allows the viewer to search by Author and Title in addition to Date. A link to the complete paper will be provided when possible (based on copyright permissions).

2.6   Press

The "Press" page offers quick access to project Press Releases as well as articles that have been published about the project. This page also includes downloads for the project logos.

2.7   Deliverables

The "Deliverables" page provides immediate access to all public deliverables when they become available. For all Deliverables that are not public, it will include a description and provide a point of contact for obtaining more information. Moreover, when logged into the Public Website, all project participants will have immediate access to all deliverables.

2.8   Contact

The "Contact" page provides a form for contacting the Coordinator for inquiries regarding the ParaDIME Project or the Public Website.

2.9   Blog

The sidebar is a blog of project-related news, including the latest technical achievements and other dissemination of the project; it will be updated on a regular basis. It is visible on all of the project pages.

3 Content Updates and Maintenance

The Project Manager (from the Coordinator), is responsible for driving website updates on a regular basis as a part of the Dissemination Work Package (WP6). The Project Manager strives to update news on a monthly basis as well as maintain that Press Releases, publications and deliverables are posted in a timely manner. Each General Assembly Member is responsible for and has the administrative rights to make modifications to the descriptions of his or her respective institution as well as the descriptions of each team member.   The website backend (web server) is maintained by BSC staff.

4 Preview

The following is a preview of the ParaDIME Public Website at the time of writing this document.   However, it should be noted that the General Assembly is currently working to simplify the content of "Home" and will potentially expand the content of the "About" page. In addition, the General Assembly is also considering how to better incorporate collaborations with other FET Projects. Thus, the actual structure and content of the website may vary from the screen capture below.

Figure 1 - ParaDIME Public Website

5 Technical Implementation

The following technical requirements and implementation were defined by the ParaDIME Webmaster in conjunction with the Project Manager and the BSC Operations Team.

5.1 Domain

The domain used for the ParaDIME Public Website is www.paradime-project.eu (and alternative www.paradime.eu). This domain has been registered by the Project Coordinator under the name of Barcelona Supercomputing Center via the registration company Nominalia Internet S.L. (www.nominalia.com) and is valid from September 2012 through August 2015. It must be renewed on a yearly basis.

5.2 Server

The server is on a dedicated machine for supporting BSC Coordinated European Projects that is physically located in the server room of the BSC Data Processing Center. Due to security reasons the access to this server is limited to SSH protocol, and it is only open to the internal BSC network (no external access). The web

requests to the ParaDIME Public Website are forwarded from an external machine with apache server installed and configured with specific apache proxy directives.

The server is a BSC desktop with the following hardware configuration: 2+ GB RAM, 160+ GB HDD, dual core. Since all machine administration is performed remotely, it does not have a monitor, keyboard or mouse.

The server has the following software configuration:
- Operating System: Linux SLES 10 SP 2
- Web server: Apache 2.2.3
- MySQL server version: 5.x - MySQL 5.0.26
- PHP 5.x - PHP 5.2.5

5.3   Software

For the Public Website the following software has been used:
- Drupal version 6.16

5.4   Security

The following security guidelines have been followed:
- SSL (HTTPS) is a Secure Software Layer used to provide encryption-enhanced data access protection by a working certificate. It has been bought from an official Certification Authority or CA and has been implemented for all important pages of the Public part of the website, e.g. Members login page.
- The Public Website is password protected.

5.5   Back-up

Automated Backups of the Public Website including databases are performed every 3 days by BSC Operations team. Moreover, the server has an external power supply in order to be fault tolerant.

5.6   Disk Usage and Bandwidth

The Public Website is updated regularly, and some potentially large files are uploaded to and downloaded from it. The Public Website content types include text entries, photos and documents. The web server and its implementation have the disk space and Internet bandwidth to handle these types of content and to afford the level of concurrency expected given the number of users in the project.