



Sustaining Heritage Access through Multivalent ArchiviNg

Large Scale Integrating Project

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D16.1 – Functional SHAMAN Web Site

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1. INTRODUCTION AND WEBSITE OBJECTIVES

This deliverable comprises the functionalities and description for the SHAMAN website, which is conceived as a fast and light public communication channel for SHAMAN project. The site is foreseen to be the main showcase that provides a consistent project image for raising awareness. It will be supported by a database-driven content-management and dynamic web publishing backend.

No identification will be in place for visiting the web site, so profiling is not envisaged. It will comprise the market driven and scientific/research informational areas. Navigation will be menu based, and hierarchical navigation will be controlled by the hyperlinks to manage the different target readers' perception of the overall structure.

SHAMAN website also will provide the main access to SHAMAN private or reserved area, which is the collaborative workplace area for the SHAMAN project team. In addition, it will offer other services supported by e-mail alerts, such as eNewsletters.

The SHAMAN Website objectives are:

- To become an important source for content aggregation for the project, identifying and promoting the project dissemination actions.
- To provide real-time access and updated information at public level (to general visitors)
- To facilitate updated online news, public dissemination, publications, PR material and analysis of emerging public results from the project
- To raise awareness supporting the consistent public image and branding of the project
- To use the web as one of the main dissemination vehicles.
- To present a consistent image for raising awareness supporting the strategic look and feel of the project
- To offer a market-driven perspective of public SHAMAN related research findings.
- To host and link the SHAMAN collaborative workplace for the consortium

The SHAMAN website will target the scientific/Academic communities and standardization bodies as well as Digital Preservation potential market stakeholder, through the following services, mainly supported by e-mail alerts:

- eNewsletters (with an online archive)
- Calendar of main stakeholders gathering events
- Registration facilities for those events organised by the Project
- An archive of results from Use Case Scenarios and Market & Competitors Watch

1.1. Web Site Outline

The outline for the content units of SHAMAN web site is foreseen to be the following:

- Home
- What is SHAMAN
- Partners and Participants
- SHAMAN and The Scientific Community

- SHAMAN and the Industry
- Calendar
- Publications
- Other Meetings
- Demos & Downloadables
- News
- Links
- Search
- Contact us

1.1.1. Explanation of the SHAMAN web site

As the homepage or webserver directory index for the SHAMAN project website it will provide highly content with simple navigation, with menus giving access to the site and private areas. The URL for SHAMAN website is www.shaman-ip.eu and will comprise the following content units:

- What is SHAMAN: Background information on the scope of the Project including an overview, objectives and areas of activities.
- Partners and Participants: It will present the consortium members and participants
- SHAMAN and the Scientific Community: It will present informational content related to RTD trends and information on selected themes, such as Digital Libraries & Archiving, Semantic Web, Other EC related projects and related scientific initiatives.
- SHAMAN and the ICT Market: It will present industry-driven content, using enterprise featured language, that will communicate messages such as:
 - Potential market initiatives related to SHAMAN project
 - Study Cases and white papers that communicate experiences about the adoption of related technology and experiences
 - Potential and trends related to Digital libraries / archiving
- Publications: it will comprise the following categories:
 - Scientific papers and publications from consortium members, including conference papers and journal articles.
 - Other related publications and white papers
 - Seminars, dissemination and exploitation activities, including conferences and other events organised or co-organised, sponsored or participated by the consortium members.
 - SHAMAN public deliverables
- Calendar: Upcoming related events and meetings
- Demos & Downloadables: Showcase section for the project results that will host multimedia presentations, tools, newsletters, dissemination and SHAMAN PR material, including posters, brochures, leaflets and general presentations. Additionally, dissemination material and results will be used at workshops and other events.
- News: the news publication section will be an online archive of information about related current events, developments, legal issues/policies and practices.
- Links: to the European Commission, to the FP7 information, to various professional organisations, to related sources of information, to relevant Websites, etc.
- Search features.

- o Contact us: contact information and channel to the web administrator, and established contact person, to manage visitors' requirements and feedback.

The site will be supported by a publishing backend, designed as a flexible infrastructure support for project's publications, documents and Multimedia presentations for registered and authorized users.

1.2. Content Management and Administration

A content management back office solution will maintain the technical needed service to support key project personnel in managing the content for the website. The website presentation and the management structure will be separated, allowing authorised content editors with secure access, easy data and information entry and moderate or delete existing content.

The editorial plan will be implemented by web designers, responsible for the day-to-day management, operational support (maintaining technical and content integrity, relevance of content, gathering new content, constant watch of needs, etc) and online community services of the website content.

All content to be published on the website will be produced within the project and associated communities. Academic experts and industry leaders identified during the "innovation take up process" will be invited to contribute with articles or links.

For administration purposes, the following management categories will be included: User Management, Upload Management, Menu and Content categories management, back up management and websites statistics.

2. TECHNICAL ASPECTS

2.1. Standards and Infrastructure

The interface and overall technical operation of the website will be based on a content management system solution. The website development will be launched with the necessary capacity and technical infrastructure. h_da – University of Applied Sciences Darmstadt / igdv – Center of Advanced Learning, Media and Simulation are foreseen to provide the infrastructure and applications needed to support website creation, management and evolution.

The web server, including HTTP, database, application and email will be used for the project. The databases will support the relational database management where the project will be stored. The application server will store the Content Management Application.

The **h_da** solution has been selected to provide all the functionalities that needed for the SHAMAN Content Management System as well as controlled procedures for collaborative Web publication and community building facilities. The technical characteristics include:

- Windows Server Operating System
- Apache, PHP, MySQL

Language: Primary Language English, Userinterface/Menus in additional languages on request.

The hardware consists of a state of the art server connected to the German internet backbone via a gigabit connector. It will provide a disk capacity to the SHAMAN project webserver of 500 GB for the beginning and may be extended during the project time if needed.

2.2. Monitoring and Control

SHAMAN website will be continuously monitored for content updating, problem resolving related with the software lifecycle and requirements to enhance the features and maintenance of the website system. All new pages and services will be pretested in a non-public area of the webserver.

Updates and changes will be evaluated based on feedback, in order to generate more traffic and best visiting experience to the target groups and the consortium, scientific, EC and industry community.

2.3. Security and back up

User accessibility: Access security will be based on username/password system for content administration and management. Thus, no identification will be in place for visiting the web site, and visitors profiling is not envisaged.

System intrusion protection will be provided according to state of the art and backups of the systems installation and content will be done regularly, once a week, by the computing centre. Restore of the system in case of a fatal system crash or hardware defect can be provides with one day.