



# CHARISMA

**Cultural Heritage Advanced  
Research Infrastructures: Synergy  
for a Multidisciplinary Approach to  
conservation/restoration**

## CHARISMA PUBLIC WEB CONTENT DESIGNED AND IMPLEMENTED

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For more information on CHARISMA, its partners and contributors please see <http://www.charismaproject.eu/>

CHARISMA (Cultural Heritage Advanced Research Infrastructures: Synergy for a Multidisciplinary Approach to conservation/restoration) is a project co-funded by the European Commission in its 7th Framework Programme under the Grant Agreement n° 228330 began in October 2009 and will run for 4 years.

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## 1. EXECUTIVE SUMMARY

This report outlines the scope, the structure and the implementation process of the official public website of the EU CHARISMA project (*Cultural Heritage Advanced Research Infrastructure: Synergy for a Multicultural Approach to conservation/Restoration*) along with the plans for its future development following periodical evaluations.

A strong key objective of the project's Coordination activities is to disseminate information about CHARISMA, its objectives, approaches and results assuring efficient and effective internal and external communication [WP4]. The open website will be one of the main channels for wider dissemination of public information to foster a culture of cooperation between the CHARISMA consortium and the scientific communities benefiting from the research infrastructures involved.

The website aims at providing project overviews and highlights up-to-date information on intermediate and final project outputs, as well providing specific support actions to assist potential users who wish to participate in the access programmes (ARCHLAB, MOLAB and FIXLAB), including the application form download area.

## 2. INTRODUCTION

To create an initial web presence several topics needed to be addressed, including domain name, hosting infrastructure, and initial content. The CHARISMA website has its own web domain and can be found at [www.charismaproject.eu](http://www.charismaproject.eu). It was registered and maintained by APRE, the responsible partner, at the beginning of October 2009 and an interim website went live by the middle of November 2009, quite a few weeks before the project officially started.

The logical view of the body of the document was designed following the three-part structure of the project, based on the main activities that will be carried out – Research, Coordination and Transnational Access – providing a unified view of the project.

The deliverable was developed after a requirement analysis, to ensure it would meet the project's needs, provided by the Editor-Working Group (Editor-WG) composed of UNIPG and APRE, and through consultation with WP leaders and project partners. The programming was carried out by an IT professional in the scope of a subcontract. To help create a strong CHARISMA community identity and brand, the website was designed to be consistent with the previously adopted CHARISMA logo, created for the project by UNIPG and APRE.

An initial version of the CHARISMA website architecture - compliant with the FP7 Guidelines for Communication on Projects - has been provisioned and deployed. Ad hoc templates have been circulated among the Consortium to collect their contribution to the website content.

The first presentation, at the Steering Committee, of the system design and components opened a profitable discussion towards choosing the most appropriate content and tools to support the future needs of the website whatever they may be. The open version developed in response to the feedback received was available within the first two weeks of January



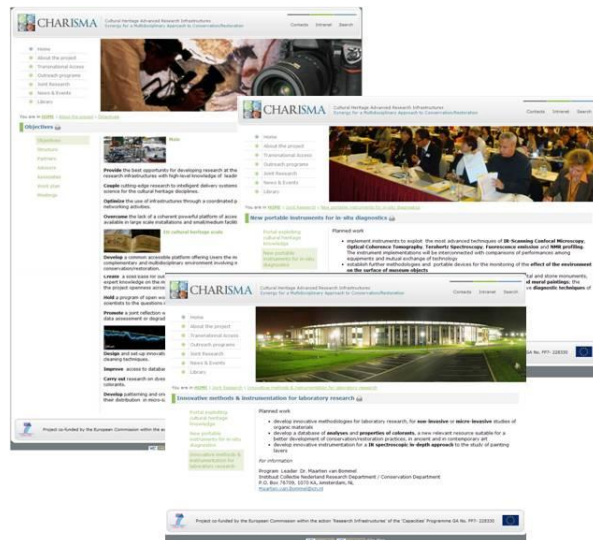
2010, with the full initial content in place following the kickoff meeting. The website has been online since January 20 2010, for the publication of the first calls for the Transnational Access Activities, planned at M4.

The requirements for each work package extensions can be considered at different levels, with special attention on the WP5, WP6 and WP7 support activities and applications from potential users.

The management of the entire website is developed through the open source (accessible free of charge) software *Umbraco* (<http://umbraco.org/>). "*Umbraco*" is a Content Management System (CMS) platform for publishing content on the World Wide Web and intranets. It is written in C Sharp (programming language)|C# and deployed on Microsoft based infrastructure. Additionally every change is stored - allowing you to rollback to any version of your content at any time. Used HTML version : DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN". English language of element content is the *Lang* attribute (en).

The CHARISMA website is validated with Standard Accessibility Standards W3C: xml 1.0 and CSS 2.0. This validation makes the CHARISMA website riskless in terms of usability; indeed, using standards makes it easier for search engines to access and index it, easier to convert to it to other formats, and easier to access it with program code.

It is envisaged that the site will evolve throughout the project's lifetime and beyond, and the dedicated server provisioning solution that has been adopted delivers -flexibility.



This report will give an overview of the two phases of the website implementation. The first phase (D4.1-1), now completed, will be described in the following chapters. A summary of the planned second phase (new applications and internal pages, a so called Intranet Zone, -restricted to the CHARISMA members), which will be reported at the end of the first year (D4.1-5), -is given in the 'Future Plan' chapter.

### 3. OVERALL DESIGN

The CHARISMA website appears as a web portal allowing the representation of many different contents. In order to maximize the efficacy of the communication flow, it has been given a flexible, mixed structure, combining a hierarchical and a network structure.

The networked structure adopts frames that offer the capability of dividing a web page into regions. In this way some parts of a page can change, while other regions of the page remain static. Frames are perfect for navigation bars that will not change from page to page, while other content can be set to change independently. A navigation menu guides the Web navigator and allows quick surfing among the principal topics of the site content; additionally a *Site map* is at the foot of the home page. This appropriate *Site map* document was also



created in the root directory of the website to help optimise the indexing of the website by search engines.

The website includes an additional *search* application tool in the upper part of the pages, allowing users to quickly obtain the information on the web content.

In each page a navigation bar hosts all the strategic links and helps the navigator to find his/her position in the website space.

The theme of the website is recognizable at the top of the page, by the dynamic “*Big Photos*” displaying a moment in the activities of the project partners (which change on every click). All partners were invited to supply their own images so as to personalize the website content.

#### 4. THE PUBLIC WEBSITE HOME PAGE

The following sections describe in detail the content of the website main page with a small summary highlighted in italics.

The home page provides an intuitive and aesthetically appealing welcome to the project (a snapshot is shown in Fig. 1). A central part of the page allows interested visitors to view the main goals of the project (*About*) and highlights the *open calls for transnational access* and the consortium partnership (*Partners*). The part on the left hosts “*random*”, which includes the more dynamic links such as presentation of conferences, courses, publications and job announcements, resources (see *Section News & events*) suggested by project Partners or others visitors.

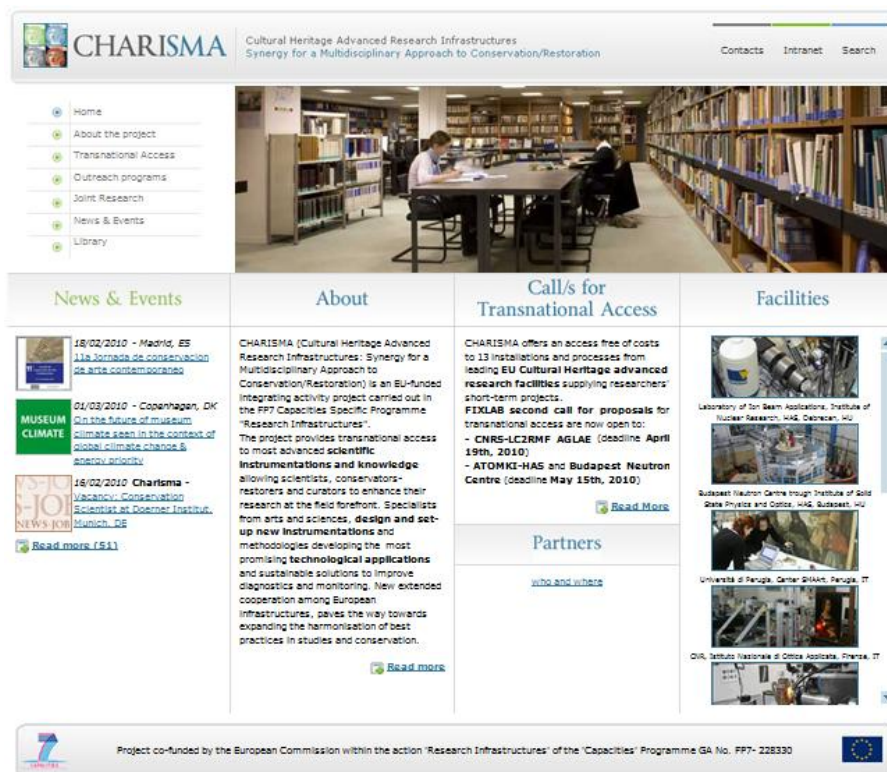


Fig. 1- CHARISMA Home page



The part announced on the right contains images and the names of CHARISMA access infrastructures (*Facilities*); by clicking on each image it is possible to get a detailed description of the facility concerned.

From the menu list on the left, the navigator can easily access the major topics of the site content. A further link to an interactive form for collecting feedback from general users (*Get involved*) will be added in the second phase of the website implementation.

On the footer the FP7 Capacities and the European Commission Logos give the project some context by referring to the funding programme.

Finally, there are the Standard Accessibility Standards W3C logos and the link to the *site map*.

The header includes the CHARISMA logo and a first *navigation bar* right menu that links to:

- **Contacts:** allows visitors to immediately find the contact details of the Coordinator, Work Package leaders and EC Scientific Officer (photos, e-mail address, phone, etc.).
- **Intranet:** to access the CHARISMA internal pages (restricted login), only accessible to project partners for internal communication, enabling orientation on activities (II Phase).
- **Search:** help the users to find, through a keyword, the specific content that they are looking for in the different pages of the web-site.

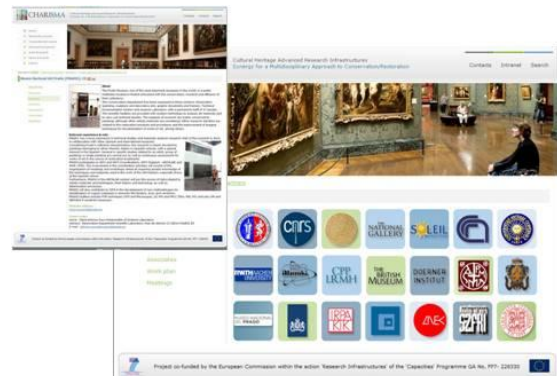
## 5. NAVIGATOR MENU

On the left of the page there is a vertical *navigator menu* with 7 links that lead to other sub menus (except the home page button).

### 5.1 About the project

The section gives an overview of CHARISMA, providing key facts about the project, highlighting the main organisation, scope, coordination, transnational access, technical approach of the research and expected results.

- **Objectives** (4 sections: the main challenges, the EU cultural heritage scale; the Scientific and Technological integrated targets)
- **Structure** (provides information on the project management structure)
- **Partners** (logos of the Consortium members, linked to each partner's individual sheet with description and web





sites), cf. two snapshots (Partner's overview and the Prado sheet) on the left.

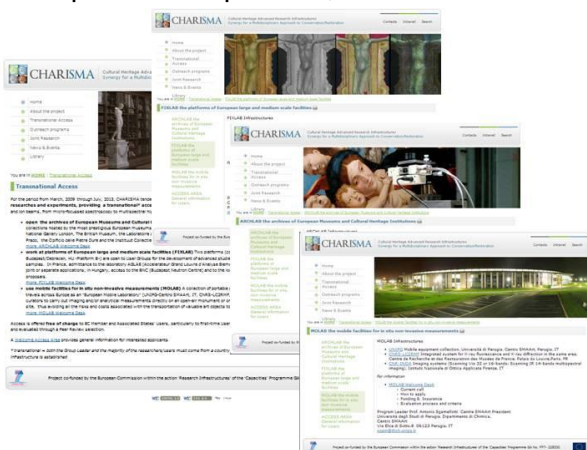
- **Advisers** (gives information about the external advisers involved in the project activities)
- **Associates** (outlines some details relating to specific laboratories and organisations linked to the project by a formal agreement)
- **Work plan** (includes the objectives of each of the ten work packages and a description of the tasks)
- **Meetings**

As mentioned, each page displays a navigation bar in the upper part of the page to aid the user.

## 5.2 Transnational Access

This section emphasises the effort of the three Transnational Access programs (WP5, WP6 and WP7) towards even greater coordination and standardisation of all CHARISMA participating access providers.

As part of this process, one *ACCESS AREA General information* for user groups has been



created, pooling the information on each type of transnational access, to ensure that EU and CHARISMA general rules are met, as well as criteria for formal eligibility, project-wide competition and uniform review, showing information cutting across each programme.

Three *Welcome Desks* have been set up (ARCHLAB, MOLAB and FIXLAB), directly managed by the CHARISMA infrastructures. The proposer can download *on line* the application form for the chosen TNA, and the web interface will be used to capture new users, utilising the user expectations and requirements to guide the WP objectives.

Proposals to FIXLAB-SOLEIL cannot be made via the CHARISMA unified scheme, but Synchrotron SOLEIL encourages applications via its normal, consolidated and well-known submission process. All details for this procedure are showed on the pages dedicated to FIXLAB.

The following subsections illustrate the three transnational access programmes within in CHARISMA,

- **ARCHLAB** page description of activity, may contain links to,
  - a. Pages on each of the 6 European Museums and Cultural Heritage Institutions participating in ARCHLAB, including the access provider contact details, address, responsible person, website address etc., and the description of each facility and



- explanation of available databases, archives and scientific records, as well the accessible sample & reference collections;*
- b. The ARCHLAB Welcome Desk page specifying help services, local requirements, eligible costs, FAQs and guidelines, upcoming dates of publication and deadlines, evaluation processes and criteria, including the online downloadable application form;*
  - c. the WP Leader contact details (address, e-mail, phone, etc.);*
  - d. links to the public WP5 Report and Deliverables;*
- **MOLAB** page description of activity, may contain links to,
- a. the pages of the 3 participating providers of the mobile facilities for in situ non-invasive measurements, including the access provider contact details, address, responsible person, website address etc., the description of each facility and explanations of the available collection of mobile equipment and techniques;*
  - b. the MOLAB Welcome Desk page specifying help services, local requirements, eligible costs, FAQs and guidelines, upcoming dates of publication and deadlines, funding & insurance, evaluation processes and criteria, including the online downloadable application form;*
  - c. the WP Leader contact details (address, e-mail, phone, etc.);*
  - d. links to the public WP6 Report and Deliverables;*
- **FIXLAB** page description of activity, contains links to the two platforms (A-France and B-Hungary) of European large and medium facilities open to User Groups in both joint (both platforms) or separate applications,
- a. Platform A the laboratory AGLAE (Accélérateur Grand Louvre d'Analyse Elementaire) and to IPANEMA at Synchrotron SOLEIL;*
  - b. Platform b in Hungary, access to the BNC (Budapest Neutron Centre) and to the ion-beam facility ATOMKI of Debrecen.*
- For both platforms 4 provider pages, including the description of each facility (access provider contact details, address, responsible person, website address etc.) and the explanation of available methods and techniques*
- c. the FIXLAB Welcome Desk page specifying help services, local requirements,*
  - d. eligible costs, FAQs and guidelines, upcoming dates of publication and deadlines, evaluation processes and criteria, including the online downloadable application form for AGLAE, BNC and ATOMIKI;*



- e. the WP Leader contact details (address, e-mail, phone, etc.);
- f. links to the public WP7 Report and Deliverables;

→ **ACCESS AREA General information for Users** (Fig. 2) includes the general principles and requirements that specify the roles, responsibilities and entitlements of

user groups, as well as of providers and/or funders of the research. The aim of the chapter is to ensure that the nature of the relationship between users and access providers or funders is conducive to successful performance in generating, transferring, sharing and disseminating knowledge and technological development, and to career development. The key points are dedicated to,

- a. Available access,
- b. Welcome Desks support,
- c. EU and CHARISMA Eligibility rules (link to eligible countries and to GA Annex III),
- d. Application procedure and evaluation of the User groups,
- e. Open and planned deadlines,
- f. Duties of the selected users regarding reporting and follow up (link to User Group Questionnaire),
- g. Glossary from the Grant Agreement helping the User Groups.

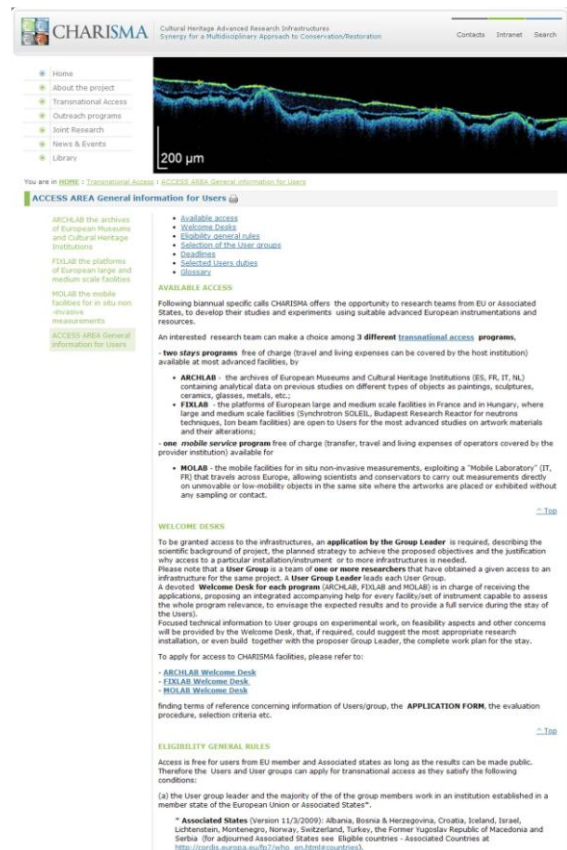


Fig. 2 – ACCESS AREA General information

### 5.3 Outreach programs

The section gives an overview of the 3 CHARISMA coordinating activities –and focuses on the approach of the project towards the general public. Indeed, it aims at distributing knowledge of achievements and sharing CHARISMA findings, best practices and results, through interaction with the target users. The sub-chapters refer to the scope of WP2, WP3 and WP4 planning and activities.

→ **Towards European common standards page**



- a. describes the work planned and the objectives of this work package, aimed at defining and sharing best practice in certain specific areas (sampling, conservation of buildings, conservation documentation) with potential end-users of CHARISMA outputs (scientists working in the field of cultural heritage, conservator/restorers, curators, art historians, archaeologists, SMEs working in this field, etc.)
- b. shows the planned or performed specific project training events within the work package aimed at disseminating skills and informing the community about relevant subjects or new developments that would improve performance and quality of work in the field. Links to agenda events, presentations, documents and publications;
- c. the WP Leader contact details (address, e-mail, phone, etc.);
- d. links to the public WP2 Report and Deliverables.



→ **Workshops, training and expert meetings to scientific excellence page,**

- a. shows the planned or performed specific project training tools, in favour of CHARISMA scientists / technicians / professionals end-users to obtain the relevant skills improving the performance and competitiveness of their work. Links to agenda events, presentations, documents and tutorial publication;
- b. the WP Leader contact (address, e-mail, phone, etc.);
- c. links to the public WP3 Report and Deliverables.

→ **Coordination of dissemination and communication effort page**

- a. summarises the best project benefits, and outcomes toward a targeted and critical public by bringing together scientists conservator-restorers and curators working in museums or institutions, EU associations, regional and local institutions or agencies from different countries, developing research and applications in conservation and enhancement of cultural heritage;
- b. the WP Leader contact details (address, e-mail, phone, etc.);
- c. links to the public WP4 Report and Deliverables

→ **Other EU funded projects/initiatives page,**

- a. reports on recent and current projects from across Europe and aims to establish relations with other projects with similar strategic objectives which may have



*specific requirements to address and increasing the project and adding new, profitable collaboration-interaction mechanisms;*

*b. this is initiated by linking the web pages of such projects.*

#### **5.4 Joint Research**

The chapter is based on three pillars (WP8, WP9 and WP10) with the common goal of improving the performance of the project's infrastructures, developing innovative instrumentations and methodologies tailored to the user's needs:

- **Portal exploiting cultural heritage knowledge** page with
  - a. an overview of the planned activity;*
  - b. the WP Leader contact details (address, e-mail, phone, etc.);*
  - c. links to the public WP8 Report and Deliverables*
- **New portable instruments for in-situ diagnostics** page with
  - a. an overview of the planned activity*
  - b. the WP Leader contact details (address, e-mail, phone, etc.);*
  - c. links to the public WP8 Report and Deliverables*
- **Innovative methods & instrumentation for laboratory research** page with
  - a. an overview of the planned activity;*
  - b. the WP Leader contact details (address, e-mail, phone, etc.);*
  - c. links to the public WP8 Report and Deliverables*

#### **5.5 News and events**

The section provides information on current news, events, job announcements, training opportunities coming from both CHARISMA activities and from external sources. This section is regularly updated. All past news and events are available through an archive. Providing access to related websites or linking practical additional information (programme, application form, etc.) the chapter displays a list of all events and news broken down by categories:

- **CHARISMA events/news**
- **Others events/news**
- **CHARISMA jobs and others**
- **Archive**

#### **5.6 Library**

This section includes the publishing of planned deliverables (public) and documents produced by the Consortium. Most of these publications are available online (in HTML and pdf forms) and in print formats.



- **Project flyers** such as CHARISMA brochures, poster and leaflets;
- **Publication and reports**
  - a. *Publication with the project literature coming from scientific consortium results (journal articles, book chapters, posters and other published materials);*
  - b. *All Public CHARISMA deliverables*
  - c. *Users' Reports*
- **EU related documents** some interesting reports or documents concerning the CHARISMA objectives.

## 6. SITE MAP

- [News & Events](#)
- [About the project](#)
  - [Objectives](#)
  - [Structure](#)
  - [Partners](#)
    - [Università degli Studi di Perugia \(UNIPG\), IT, coordinator](#)
    - [Centre National de la Recherche Scientifique \(CNRS-LC2RMF/LOA\), FR](#)
    - [Foundation for Research and Technology - Hellas \(FORTH\), GR](#)
    - [The National Gallery London, UK](#)
    - [Société Civile Synchrotron Soleil \(SOLEIL\), FR](#)
    - [Consiglio Nazionale delle Ricerche \(CNR- ICVBC/ IFAC/INO\), IT](#)
    - [Uniwersytet Mikolaja Kopernika w Toruniu \(NCU\), PL](#)
    - [Rheinisch-Westphälische Technische Hochschule Aachen \(RWTH\), DE](#)
    - [Magyar Tudományos Akadémia Atommagkutató Intézet \(ATOMKI-HAS\), HU](#)
    - [Cercle des Partenaires du Patrimoine - Laboratoire de Recherche des Monuments Historiques \(CPP-LRMH\), FR](#)
    - [The British Museum \(BM\), UK](#)
    - [Doerner Institut - Bayerische Staatsgemäldesammlungen \(DI-BS\), DE](#)
    - [Idryma Ormylia - Art Diagnosis Centre \(Of-ADC\), GR](#)
    - [Opificio delle Pietre Dure \(OPD\), IT](#)
    - [Museo Nacional del Prado \(PRADO\), ES](#)
    - [Instituut Collectie Nederland \(ICN\), NL](#)
    - [Koninklijk Instituut voor het Kunstpatrimonium \(KIK-IRPA\), BE](#)
    - [Agenzia per la Promozione della Ricerca Europea \(APRE\), IT](#)
    - [Laboratorio Nacional de Engenharia Civil \(LNEC\), PT](#)
    - [Szilárdtestfizikai és Optikai Kutatóintézet - Magyar Tudományos Akadémia \(RISSPO-HAS\), HU](#)
    - [Alma Mater Studiorum, Università di Bologna \(UNIBO\), IT](#)
  - [Advisors](#)
  - [Associates](#)
  - [Work plan](#)
  - [Meetings](#)
- [Call/s for Transnational Access](#)
- [Facilities](#)
  - [Centre de Recherche et de Restauration des Musées de France, Palais du Louvre, Paris, FR](#)
  - [The National Gallery London, UK](#)
  - [The British Museum, London, UK](#)
  - [Opificio delle Pietre Dure, Firenze, IT](#)



- [Instituut Collectie Nederland, Amsterdam, NL](#)
- [Museo Nacional del Prado, Madrid, ES](#)
- [Synchrotron SOLEIL IPANEMA, Gif-sur-Yvette, FR](#)
- [Laboratory of Ion Beam Applications, Institute of Nuclear Research, HAS, Debrecen, HU](#)
- [Budapest Neutron Centre through Institute of Solid State Physics and Optics, HAS, Budapest, HU](#)
- [Università di Perugia, Center SMAArt, Perugia, IT](#)
- [CNR, Istituto Nazionale di Ottica, Firenze, IT](#)
- [Transnational Access](#)
  - [ARCHLAB the archives of European Museums and Cultural Heritage Institutions](#)
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    - [Open Infrastructures](#)
    - [FIXLAB Welcome Desk](#)
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    - [Open Infrastructures](#)
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## 7. FURTHER WORK (II PHASE)

The future plans, agreed with the approval of the partners, are mainly addressed towards new dynamic applications on the Home page (Get involved, Partners etc.) and towards the implementation Wiki pages in a Consortium area (restricted login) for internal communication enabling interaction between CHARISMA members on the activities of the project. Usefully, documents will be stored as well (Template, EC guidelines, etc.). An ad hoc access will be provided by using usernames and passwords.

The sections are expected to be available starting from month 13.