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Research and Innovation actions (RIA)

Project Title:

Multimodal Scanning of Cultural Heritage Assets for their multilayered digitization and preventive conservation via spatiotemporal 4D Reconstruction and 3D Printing



Scan4Reco

Grant Agreement No: 665091

[H2020-REFLECTIVE-7-2014] Advanced 3D modelling for accessing and understanding European cultural assets

Deliverable

D8.1. Scan4Reco Web Site

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Executive Summary

This Deliverable describes the website of the SCAN4RECO project, which is accessible at: <http://www.scan4reco.eu>. In this respect, the deliverable focuses on the goals of the website, the technical infrastructure, its structure, contents and administration, and presents its overall look and feel. The SCAN4RECO website shall provide a main dissemination tool for the project and will be periodically updated, so as to adhere to the overall dissemination strategy of the project.

At a second level, the deliverable provides an overview of the first version of the communication templates (press release, leaflet, poster etc.) that have been established during the first months of the SCAN4RECO project, and have been made accessible to the public through the project's website.

Table of Contents

Executive Summary	4
List of figures	6
1. Introduction	7
1.1 Deliverable structure	7
2. Technical Infrastructure	7
3. Layout of the SCAN4RECO website	7
4. Content organization	9
4.1 Home	10
4.2 Project	11
4.3 Consortium	15
4.4 Results	17
4.5 News & Events	19
4.6 Contact	22
5. Services and Related Web-pages	23
5.1 News Feeds	23
5.2 Social Networks Integration	23
5.3 Analysis of Statistics	24
6. Internal members area	24
7. Administration	25
8. Initial communication templates of the SCAN4RECO project	25
8.1 Presentations template	26
8.2 “Press Kit” Section	27
8.3 First SCAN4RECO leaflet	28
References	29

List of figures

Figure 1: Layout of the SCAN4RECO website home page	8
Figure 2: Layout of a SCAN4RECO website content page	9
Figure 3: The SCAN4RECO website home page.....	11
Figure 4: About SCAN4RECO	11
Figure 5: The SCAN4RECO Concept and Approach	12
Figure 6: The SCAN4RECO Ambition & Objectives	13
Figure 7: This section contains a short description of the Scan4Reco’s envisioned Use Cases	14
Figure 8: Links to projects relevant to SCAN4RECO	15
Figure 9: Overview of the partners of the SCAN4RECO consortium	16
Figure 10: Partner details	17
Figure 11: Overview of SCAN4RECO Publication List. The “Open Access” is linked with the ZENODO repository of the Scan4Reco project, where all relevant Open Access publications are stored.	18
Figure 12: Overview of the ZENODO repository of the Scan4Reco project	19
Figure 13: Overview of SCAN4RECO project news	20
Figure 14: Viewing the details of a SCAN4RECO project news item	20
Figure 15: Summary of related events	21
Figure 16: Calendar of events.....	21
Figure 17: Subscribing to the project’s newsletter	22
Figure 18: The SCAN4RECO contact page	23
Figure 19: SCAN4RECO Internal Members Area.....	25
Figure 20: SCAN4RECO presentations template; title page	26
Figure 21. SCAN4RECO presentations template; content page	26
Figure 22: SCAN4RECO presentations template; conclusions page.....	27
Figure 23: The “Press Kit” section of the website	27
Figure 24: The 1st version of the SCAN4RECO leaflet (external view)	28
Figure 25: The 1st version of the SCAN4RECO leaflet (internal view).....	28

1. Introduction

The website of the SCAN4RECO project is publicly available at the following link: <http://www.scan4reco.eu>, and is held/maintained by CERTH. It was designed since October 2015 (M1) and will be maintained for at least 2 years beyond the end of the project.

The aims of the SCAN4RECO website are:

1. To inform the public and the various interested stakeholders about the progress of the project.
2. To enable the consortium to receive feedback from various stakeholders upon the project's aims, progress, methods, etc.
3. To encourage and facilitate the dissemination of articles, reports and demonstrations of the project results.
4. To provide the public results of the project to everyone who wants to access them.
5. To stimulate interaction with various stakeholders.
6. To propagate dissemination material to all interested parties.
7. To facilitate collaboration between the project partners (for collecting content for deliverables, exchanging reports, etc.).

1.1 Deliverable structure

In the following, Section 2 first overviews the technical infrastructure that provided the basis for the design and development of the SCAN4RECO website. Sections 3-6 describe the website, in terms of its layout (Section 3), its content organization (Section 4), and services offered to users (Section 5) and its private space (Section 6). Section 7 describes the initial communication templates that have been developed during the first stage of the project, such as the 1st press release, 1st project poster and leaflet, which are accessible through the project's website.

2. Technical Infrastructure

The website has been developed on the basis of the Drupal CMS [1]. It has been deployed on an Apache web server powered by PHP using a MySQL Database.

Drupal is an open source content management platform maintained and developed by a community of 630,000+ users and developers and it's distributed under the terms of the GNU GPL. It has been selected as the base technology for the implementation of the SCAN4RECO website mainly due to its flexibility, its provision of a high level of personalization and its rich plugin architecture that allows extending its functionality beyond the features of the base installation. Such qualities make it an ideal facilitator of a versatile CMS.

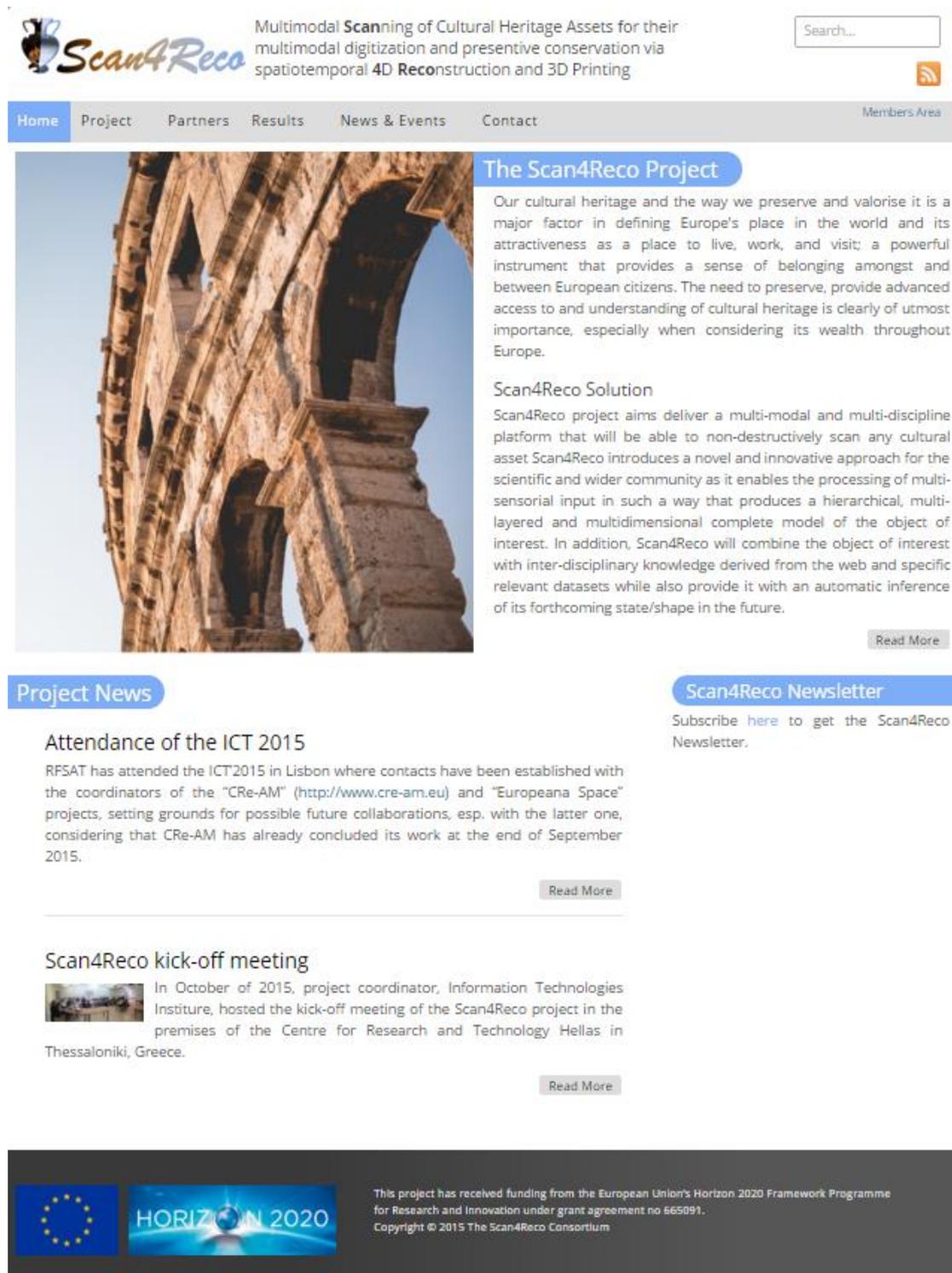
Moreover, it should be noted that the website has been designed so that it is responsive to different screen sizes; its content adapts so as to be also viewed in tablets or smartphones.

3. Layout of the SCAN4RECO website

The basic layout of the website, as shown in Figure 1 (website home page), and Figure 2 (content page layout), consists of:

1. A header section, which contains the project logo, its full name, a global search field and icons with links to the project's news RSS, while links to Twitter, Facebook LinkedIn and potentially Instagram account will be added in due time.
2. The main navigation menu of the website
3. The main content area

4. The sidebar, containing links for the project’s newsletter subscription, the project’s latest news and upcoming project events. On the home page sidebar, there will also be a twitter feed of the SCAN4RECO’s latest tweets and the ones of the EU Commission's DG Research & Innovation as well as DG Education & Culture.
5. The footer, which contains the sitemap, the European Union logo along with a reference to the project’s funding scheme (Horizon 2020 programme) and copyright information.



The screenshot shows the Scan4Reco website home page. At the top left is the Scan4Reco logo, followed by the project description: "Multimodal Scanning of Cultural Heritage Assets for their multimodal digitization and preservative conservation via spatiotemporal 4D Reconstruction and 3D Printing". A search bar and a social media icon are on the top right. A navigation menu includes Home, Project, Partners, Results, News & Events, Contact, and Members Area. The main content area features a large image of a stone archway and a section titled "The Scan4Reco Project" with a detailed description of the project's goals and a "Scan4Reco Solution" section. Below this is a "Project News" section with two articles: "Attendance of the ICT 2015" and "Scan4Reco kick-off meeting". To the right of the main content is a "Scan4Reco Newsletter" subscription link. The footer contains the European Union logo, the Horizon 2020 logo, and project funding information: "This project has received funding from the European Union's Horizon 2020 Framework Programme for Research and Innovation under grant agreement no 665091. Copyright © 2015 The Scan4Reco Consortium".

Figure 1: Layout of the SCAN4RECO website home page

The screenshot shows the Scan4Reco website. At the top left is the logo and the project title: "Multimodal Scanning of Cultural Heritage Assets for their multimodal digitization and preservative conservation via spatiotemporal 4D Reconstruction and 3D Printing". A search bar and RSS icon are on the top right. A navigation menu includes Home, Project, Partners, Results, News & Events, Contact, and Members Area. The main content area is titled "The Scan4Reco Concept in a nutshell" and contains sections for "What is Scan4Reco", "How", and "By Whom". A "Project News" sidebar on the right features articles like "Attendance of the ICT 2015" and "Scan4Reco kick-off meeting". A "Scan4Reco Newsletter" section is also present. At the bottom, there is a funding acknowledgment from the European Union's Horizon 2020 Framework Programme.

Home Project Partners Results News & Events Contact Members Area

Home » Project » The Scan4Reco Concept in a nutshell

The Scan4Reco Concept in a nutshell

What is Scan4Reco

With the aim to deliver a multi-modal and multi-discipline platform that will be able to non-destructively scan a big variety of object of cultural heritage ranging from paintings to bronze sculptures and reliefs, silver alloy jewellery, wax sculptures, glasses, etc., Scan4Reco will introduce a novel and innovative approach for the scientific and wider community that will enable the processing of multi-sensorial input in such a way that will produce a hierarchical, multi-layered and multidimensional complete model of the object of interest. Scan4Reco will also combine the object of interest with inter-disciplinary knowledge derived from the web and specific relevant datasets while at the same time provide it with an automatic inference of its forthcoming state/shape in the future.

How

The major conceptual blocks of the Scan4Reco vision are listed below:

- Multispectral scanning of the cultural objects via the utilization of multi-modal sensing devices
- Multimodal fusion of the signals derived by the multi-sensorial scanning platform for material and stratigraphy identification
- Creation of a multi-material and multi-color paintings pallet for the investigation of their physiochemical properties (via measurements of the multi-sensorial platform) before and after controlled and artificial ageing
- Rendering and 3D reconstruction and VR model generation
- Environmental context-aware, 4D (i.e. spatiotemporal) simulation
- Decision support and visualization tools for the prevention of the cultural objects degradation concerning both the restored state of them (i.e. backwards in time) and the deterioration that takes place due to the environmental conditions
- Spatiotemporally parameterized visual representation/3D printing of the reconstructed object for the direct and holistic assessment or demonstration of the current conservation or educational method, respectively. Continuous adaptations based on the monitoring input and the results of the decision support tools
- A virtual museum for raising public awareness

By Whom

Scan4Reco consortium is a European Consortium formed in order to facilitate the socially significant, scientifically challenging and interdisciplinary issue of documentation, conservation, preservation and restoration of objects of cultural heritage. To fulfil those challenges, Scan4Reco consortium has been shaped in order to ensure a wide participation of European key players in the topics addressed by the project, such as Research Institutes, Universities, SMEs and recognized end users organizations such as museums, restoration institutes, etc., which provide high competence and expertise objectives in scientific, technological and conservation-related areas. In particular, it consists of 9 partners from 6 European countries and represents in a good balance all key actors in the trustworthy domain and the key topics addressed by the project (i.e. multi-sensorial scanning, physiochemical ageing models extraction, VR simulation, reconstruction, 3D printing, visualization, conservation oriented DSS, etc.).

When

The project started on the 1st of October 2015 and will last 3 years.

Project News

Attendance of the ICT 2015

RFSAT has attended the ICT2015 in Lisbon where contacts have been established with the coordinators of the "Cite-AM" (<http://www.cite-am.eu>) and "Europeana Space" projects, setting grounds for possible future collaborations, esp. with the latter one, considering that Cite-AM has already concluded its work at the end of September 2015.

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Scan4Reco kick-off meeting

In October of 2015, project coordinator, Information Technologies Institute, hosted the kick-off meeting of the Scan4Reco project in the premises of the Centre for Research and Technology Hellas in Thessaloniki, Greece.

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Scan4Reco Newsletter

Subscribe [here](#) to get the Scan4Reco Newsletter.

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Figure 2: Layout of a SCAN4RECO website content page

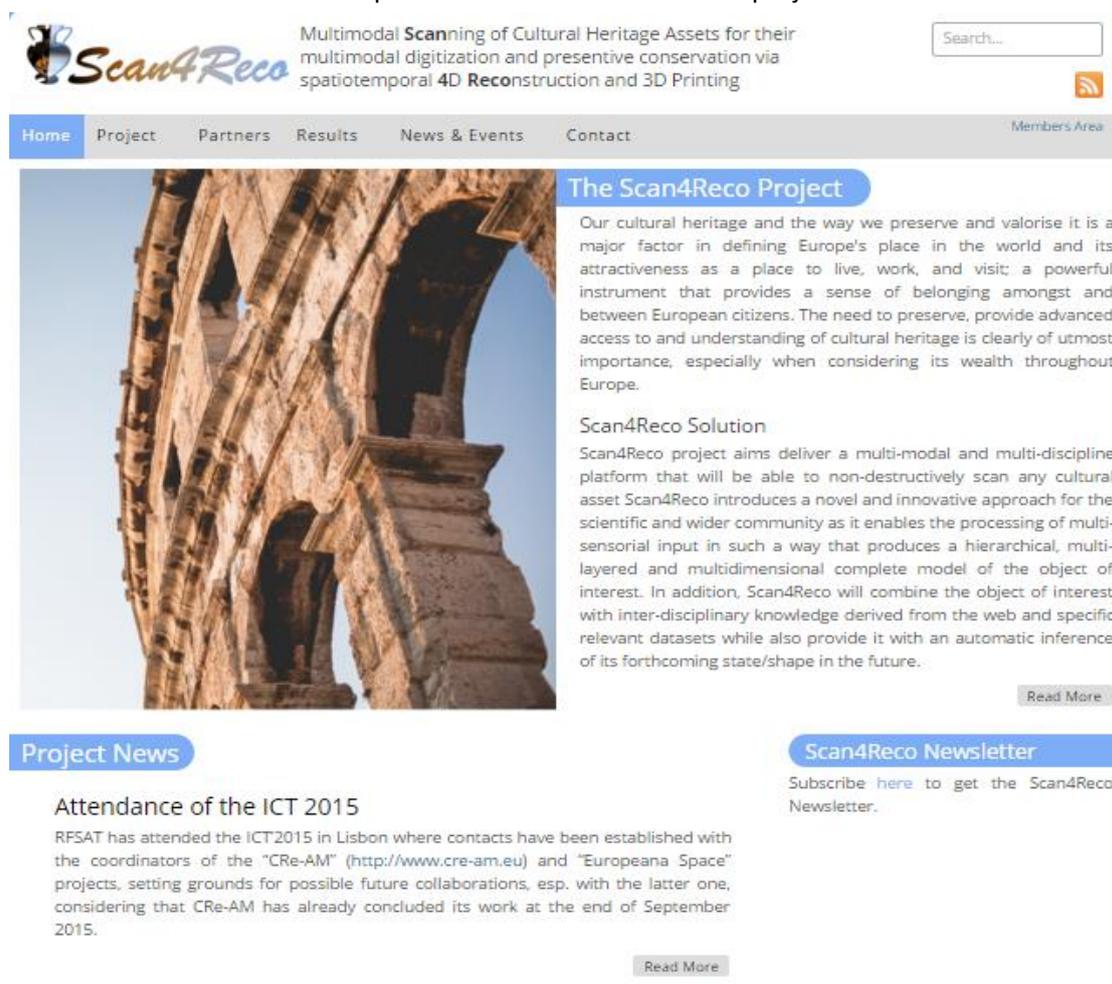
4. Content organization

The content of the SCAN4RECO website is organized under the structure overviewed below (also reflected in the website's sitemap - see for e.g. Figure 2 above), and further analysed in the following subsections:

- Home
- Project
 - Summary - What is SCAN4RECO?
 - Concept and Approach
 - Ambition and Objectives
 - Envisioned Use Cases
 - Relevant Projects
- Consortium
- Results
 - Public deliverables
 - Publications
 - Presentations
 - Demos and Software
 - Press kit
- News & Events
 - News
 - Events
 - Newsletter
- Contact

4.1 Home

The home page (Figure 3) introduces the project by providing some basic information about it and its aims. Furthermore it presents the latest news of the project.



Multimodal **Scan**ning of Cultural Heritage Assets for their multimodal digitization and preservative conservation via spatiotemporal **4D Reconstruction** and 3D Printing

Search...

Home Project Partners Results News & Events Contact Members Area

The Scan4Reco Project

Our cultural heritage and the way we preserve and valorise it is a major factor in defining Europe's place in the world and its attractiveness as a place to live, work, and visit; a powerful instrument that provides a sense of belonging amongst and between European citizens. The need to preserve, provide advanced access to and understanding of cultural heritage is clearly of utmost importance, especially when considering its wealth throughout Europe.

Scan4Reco Solution

Scan4Reco project aims deliver a multi-modal and multi-discipline platform that will be able to non-destructively scan any cultural asset Scan4Reco introduces a novel and innovative approach for the scientific and wider community as it enables the processing of multi-sensorial input in such a way that produces a hierarchical, multi-layered and multidimensional complete model of the object of interest. In addition, Scan4Reco will combine the object of interest with inter-disciplinary knowledge derived from the web and specific relevant datasets while also provide it with an automatic inference of its forthcoming state/shape in the future.

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Project News

Attendance of the ICT 2015

RFSAT has attended the ICT2015 in Lisbon where contacts have been established with the coordinators of the "CRe-AM" (<http://www.cre-am.eu>) and "Europeana Space" projects, setting grounds for possible future collaborations, esp. with the latter one, considering that CRe-AM has already concluded its work at the end of September 2015.

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Subscribe [here](#) to get the Scan4Reco Newsletter.

Figure 3: The SCAN4RECO website home page

4.2 Project

This section contains information about the project:

- **What is SCAN4RECO:** provides general information about the project and a brief overview of its aims (Figure 4).
- **Concept and Approach:** provides a brief overview of the project's concept and implementation approach (Figure 5).
- **Ambition and Objectives:** describes the Ambition (Figure 6) and the objectives of the project
- **Envisioned Use Cases:** gives a notion of the use cases, which the Scan4Reco final system will be mainly targeting at and evaluated on (Figure 7).
- **Relevant Projects:** provides links to projects that are relevant to SCAN4RECO (Figure 8).

Multimodal **Scanning** of Cultural Heritage Assets for their multimodal digitization and preservative conservation via spatiotemporal **4D Reconstruction** and 3D Printing

Home Project Partners Results News & Events Contact Members Area

Home » Project » What is the Scan4Reco project?

What is the Scan4Reco project?

Scan4Reco is an EU funded project under Horizon 2020 (grant agreement No. 665091). The project started on the 1st of October 2015 and will last 3 years.

Scan4Reco aims to develop a novel, portable, integrated and modular solution for customized and thus cost-effective, automatic digitization and analysis of cultural heritage objects (CHOs). One of the main goals of the project is to create highly accurate digital surrogates of CHOs, providing also detailed insight over their surface and also the volumetric structure, material composition and structure of underlying materials, enabling rendering either via visualization techniques or via multi-material 3D printing.

Material analyses will be applied, to understand the heterogeneous nature and complex structures of CHOs, to identify the broad and varied classes of materials and to understand their degradation mechanisms over time, deriving context-dependant ageing models per material. Uni-material models will be spatiotemporally simulated, based on environmental phenomena modeling, so as to collectively render imminent degradation effects on the multi-material CHOs, enabling prediction and recreation of their future appearance, as well as automatic restoration, reaching even back to their original shape.

Scan4Reco will further facilitate conservation, by indicating spots/segments of cultural objects that are in eminent conservation need and require special care, while suggestions will be provided by a dedicated Decision Support System (DSS), over conservation methods that should be followed.

The Scan4Reco framework will be validated on real case scenarios involving heterogeneous objects of various sizes and materials, in 2 pilot real-world use cases. To enhance the accessibility of the digitized cultural objects to the scientific community, field experts and the general public, a virtual model of a museum will be launched.

The impact of Scan4Reco is expected to set the basis for the widespread adoption of sensor-based systems across the spectrum of cultural heritage objects and their conservation.

Project News

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Scan4Reco Newsletter

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Figure 4: About SCAN4RECO



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How

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...

Figure 5: The SCAN4RECO Concept and Approach



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Home Project Consortium Results News & Events Contact
Members Area

[Home](#) » [Project](#) » [Ambition and Objectives](#)

Ambition and Objectives

Ambition

Scan4Reco ambition is to pave the way for a new era in cultural heritage digitization, by developing a portable, modular and customizable (thus, cost-effective) solution for the seamless digitization of a plethora of cultural objects, even at their demonstration sites. As such, the project is anticipated to boost the capacity of wide range of cultural heritage institutions and organizations to develop accurate and detailed 3D models of their cultural content, further enhanced with rich semantic spatiotemporal representations, concerning both the object and its context, taking into account how these have evolved through time.

Scan4Reco aims to bring revolutionary innovations in the following domains

- Multi-sensorial scanning, addressing a wide range of multi-spectral technologies like
 - xRF, Infrared scanning
 - Surface optical scanning microprofilometry, semantic feature extraction & reconstruction
 - RTI acquisition, semantic feature extraction & reconstruction
- Multi-sensorial Data Fusion
- Rendering Material features and parameters towards spatiotemporal Simulation
- Multi-scale and multimodal 3D Reconstruction
- Decision Support System
- Degradation Identification and automatic spatiotemporal Annotation
- Visualization
- 3D printing

Objectives

The Scan4Reco project can be summarized through eight cornerstone objectives that will define not only the outcomes of the project but will also shape its workplan and the scheduling of tasks:

- **Objective 1:**
To provide an integrated, portable solution based on a modular architecture, for accurate (i.e. via a dedicated motorized mechanical arm) multi-sensorial 3D scanning and efficient automatic digitization of a big variety of cultural/heritage assets even in situ, supporting among others material identification and both surface and volumetric diagnosis.
- **Objective 2:**
To apply a hierarchical approach for 3D reconstruction of the object via the successive collection and utilization of the multi-sensorial data in an order of increasing resolution and infiltration factor, making thus, possible, to render the object in a multi-layered way, so as to facilitate its deployment in analysis and 3D printing procedures.
- **Objective 3:**
To create high precision and realistic digital surrogates of the cultural assets by also providing detailed insight regarding both the surface but also the volumetric structure,

Project News

Attendance of the ICT 2015

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Scan4Reco kick-off meeting



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Figure 6: The SCAN4RECO Ambition & Objectives



Multimodal **Scanning** of Cultural Heritage Assets for their multimodal digitization and presentive conservation via spatiotemporal **4D Reconstruction** and 3D Printing

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Home » Project » Use Cases

Use Cases

- 1. Paintings related Use Case:** To test mainly the infiltration capabilities of the proposed system and the volumetric rendering, reconstruction and simulation capabilities of the integrated system, targeting to reveal over-/under- painted drawings, their degradation in time, the 3D representation and printing of the underneath layers, as well as the validity of the conservation-related guiding.
- 2. Metallic objects related Use Case:** mainly aimed to test the surface exploration and reconstruction of the cultural object, including the infiltration/insight of the system to the first underlying layer, if possible. Certainly, surface rendering and reconstruction capabilities of the integrated system, a corresponding degradation in time via simulation, 3D representation and printing, as well as the validity of the conservation-related guiding, will be tested and evaluated as well.

Project News

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Figure 7: This section contains a short description of the Scan4Reco's envisioned Use Cases

The screenshot shows the Scan4Reco website. At the top, there is a logo for Scan4Reco and a navigation menu with links: Home, Project, Partners, Results, News & Events, Contact, and Members Area. A search bar is located in the top right corner. Below the navigation, there is a section for 'Related Projects' with a sub-section for '3D - COFORM'. This section includes a logo for 3D-COFORM and a detailed description of the project, which focuses on advancing 3D digitization and documentation in the cultural heritage sector. A website link is provided: <http://www.3d-coform.eu/>. Another project, 'Digital Mont'e Prama', is also listed, featuring a logo and a description of its innovative acquisition techniques for fragmented statues. A website link is provided: <http://www.crs4.it/news-view/digital-monte-prama-4k-presented-by-crs4-at-expo-2015-milan-september-11-17/>. On the right side of the page, there is a 'Project News' section with a sub-section for 'Attendance of the ICT 2015', which mentions that RISAT attended the ICT 2015 in Lisbon and established contacts with coordinators of 'CRE-AM' and 'Europeana Space' projects. A 'Read More' button is present. Below this, there is a section for 'Scan4Reco kick-off meeting' with a small image and text describing a meeting in October 2015. Another 'Read More' button is present. At the bottom right, there is a 'Scan4Reco Newsletter' section with a 'Subscribe here' link.

Figure 8: Links to projects relevant to SCAN4RECO

4.3 Consortium

This section contains the list of all the partners of the SCAN4RECO consortium (Figure 8). For each partner, the logo and website address are given. By clicking on a partner's name or logo, the user is navigated to another page where further information about the specific partner is given (Figure 9).



Multimodal **Scanning** of Cultural Heritage Assets for their multimodal digitization and presentive conservation via spatiotemporal **4D Reconstruction** and 3D Printing



Home
Project
Consortium
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Contact
Members Area

Home » Consortium

Consortium

The Scan4Reco Consortium consists of 9 complementary partners who are combining knowledge to achieve project aims.

Centre for Research & Technology Hellas/Information Technologies Institute (CERTH/ITI)



CERTH
CENTRE FOR RESEARCH & TECHNOLOGY-HELLAS

Website: <http://www.iti.gr>

"ORMYLIA" FOUNDATION, ART DIAGNOSTIC CENTRE (OF-ADC)



Website: <http://www.ormyliafoundation.gr>

Project News

Attendance of the ICT 2015

RFSAT has attended the ICT2015 in Lisbon where contacts have been established with the coordinators of the "CRE-AM" (<http://www.cre-am.eu>) and "Europeana Space" projects, setting grounds for possible future collaborations, esp. with the latter one, considering that CRE-AM has already concluded its work at the end of September 2015.

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Fraunhofer Institute for Computer Graphics Research (FHG-IGD)



Website: <http://www.igd.fraunhofer.de>

Scan4Reco Newsletter

Subscribe [here](#) to get the Scan4Reco Newsletter.



Website: <http://www.univr.it>



Website: <http://www.opificiodellepietredure.it>

Figure 9: Overview of the partners of the SCAN4RECO consortium



The screenshot shows the Scan4Reco website with the following content:

Scan4Reco Multimodal **Scanning** of Cultural Heritage Assets for their multimodal digitization and preservative conservation via spatiotemporal **4D Reconstruction** and **3D Printing**

Home Project Partners Results News & Events Contact Members Area

Home » Centre for Research & Technology Hellas/Information Technologies Institute (CERTH/ITI)

Centre for Research & Technology Hellas/Information Technologies Institute (CERTH/ITI)



The Information Technologies Institute (ITI) was founded in 1998 as a non-profit organisation under the auspices of the General Secretariat for Research and Technology of Greece, with its head office located in Thessaloniki, Greece. Since 10.3.2000 it is a founding member of the Centre for Research and Technology Hellas (CERTH) also supervised by the General Secretariat for Research and Technology (GSRT). In 2008, CERTH was among the first Greek research organisations to undersign and accept the principles of the Charter and Code for researchers while at the same time CERTH representatives were members of the Greek delegation at the Steering Group for Human Resources and Mobility (SG HRM). Its latest achievement in the field of human resources is the "HR EXCELLENCE IN RESEARCH" logo awarded by the EC in April 2012 as a proof that CERTH is committed to offer the best possible working conditions, regardless the socio-economic environment, and at the same time work towards the realisation of the European Research Area (Innovation Union, Commitment #4).

Actually CERTH/ITI is one of the leading Institutions of Greece in the fields of Informatics, Telematics and Telecommunications, with long experience in numerous European and national R&D projects. Since its creation, ITI has always been heavily involved in the transfer and dissemination of high-quality research knowledge and advanced solution development trends and leading-edge technologies, by taking into consideration the needs of industry and society. Following its strategic research directions, and according to the experience of its members, ITI has developed spheres of excellence and critical mass in research and technology in several strategically important fields in domains such as Image and Signal Processing, Computer & Cognitive Vision, Human Computer Interaction, Virtual and Augmented Reality, Multimedia, Database and Information Systems and Social Media Analysis.

Since its establishment, CERTH/ITI has participated in more than 155 research projects funded by the European Commission (IST FP5-FP6-FP7) and more than 160 research projects funded by Greek National Research Programmes and Consulting Subcontracts with the Private Sector (I&T Industry). ITI currently has 216 employees including Scientific Personnel (Researchers, Collaborating faculty members, Postdoctoral Research Fellows, Postgraduate Research Fellows, and Research Assistants), Administrative and Technical Staff. In the last 8 years, the publication record of ITI includes 220 scientific publications in international journals, 577 publications in conferences and 84 books and book chapters. These works have been cited in more than 3000 times.

Project News

Attendance of the ICT 2015
RFSAT has attended the ICT2015 in Lisbon where contacts have been established with the coordinators of the "CRE-AM" (<http://www.cre-am.eu>) and "Europeana Space" projects, setting grounds for possible future collaborations, esp. with the latter one, considering that CRE-AM has already concluded its work at the end of September 2015.

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In October of 2015, project coordinator, Information Technologies Institute, hosted the kick-off meeting of the Scan4Reco project in the premises of the Centre for Research and Technology Hellas in Thessaloniki, Greece.

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Figure 10: Partner details

4.4 Results

This section is designated to contain the following project outputs:

1. **Publications:** list of the publications that will result from the project
2. **Public deliverables:** list of the public deliverables of the project, available for download.
3. **Presentations:** presentations of the SCAN4RECO project that serve dissemination purposes
4. **Demos and Software:** open source code and/or shareware developed within Scan4Reco as well as stand-alone applications exhibiting the results of the project
5. **Press kit:** other public dissemination material such as press releases, leaflets, posters etc.

Multimodal **Scanning** of Cultural Heritage Assets for their multimodal digitization and presentive conservation via spatiotemporal **4D Reconstruction** and 3D Printing

Search...

Home Project Consortium Results News & Events Contact Members Area

Home » Results » Publications

Publications

All publications Open access

No publications yet.

Project News

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Figure 11: Overview of SCAN4RECO Publication List. The "Open Access" is linked with the ZENODO repository of the Scan4Reco project, where all relevant Open Access publications are stored.

The screenshot shows the Zenodo website interface. At the top, the Zenodo logo is on the left, and the tagline "Research. Shared." is on the right. Below the logo are navigation links: "Search", "Communities", "Browse", "Upload", and "Get started". On the right side of the header, there are "Sign In" and "Sign Up" buttons. A search bar is located below the navigation links. The main content area displays the title "Horizon'2020 Project - Scan4Reco" and a message: "This collection is currently empty." To the right, there is a "Community collection" card for "Horizon'2020 Project - Scan4Reco". The card features a thumbnail image of a vase with a 3D coordinate system overlaid. Below the image, the card provides the following information: "This repository contains ALL public dissemination materials and project results made available by the consortium partners of the Scan4Reco project funded by the Horizon'2020 Research Framework Program." It also includes a "Read more" link, "Title: Horizon'2020 Project - Scan4Reco", "Curated by: krukowa", "Curation policy: Only publications published by Scan4Reco consortium partners and reporting exclusively on the work performed in the named project, subject to copyrights agreements with original (e.g. conference) publishers compliant with Open Access policies will be accepted for upload to this community.", "Created: 2015-10-05", and "Harvesting APT: OAI-PMH Interface". At the bottom of the card, there is a call to action: "Want your upload to appear in this community?" with an "Upload" button and a note: "Click the button to upload straight to this".

Figure 12: Overview of the ZENODO repository of the Scan4Reco project

4.5 News & Events

This section contains the news and events of the project.

News: a list of the project news articles (Figure 13). Each article of the list has a title, a summary and maybe an image. Clicking on an article of the list takes the user to a page where the full article contents are presented (Figure 14).

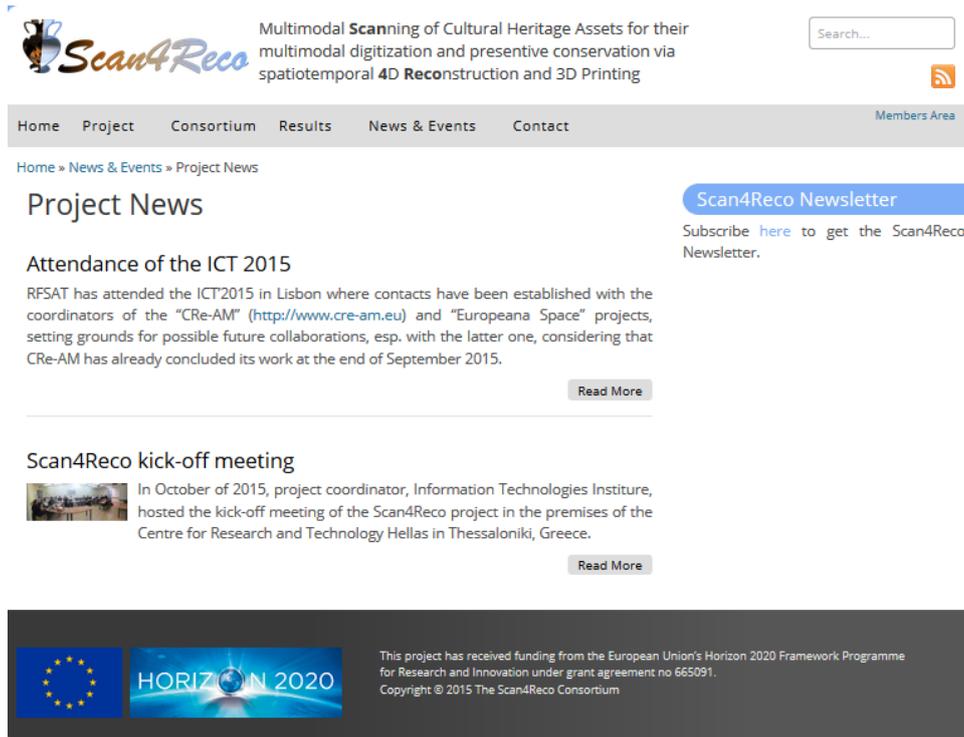


Figure 13: Overview of SCAN4RECO project news



Figure 14: Viewing the details of a SCAN4RECO project news item

Events: this page provides a list of the project events and events related to the SCAN4RECO project (Figure 15). Each event of the list has a title, date, location, a summary and maybe a preferable image. Clicking on an event of the list will take the user to a page with the full event overview. A calendar view of the events will also appear through the website by the time the 1st event will be published

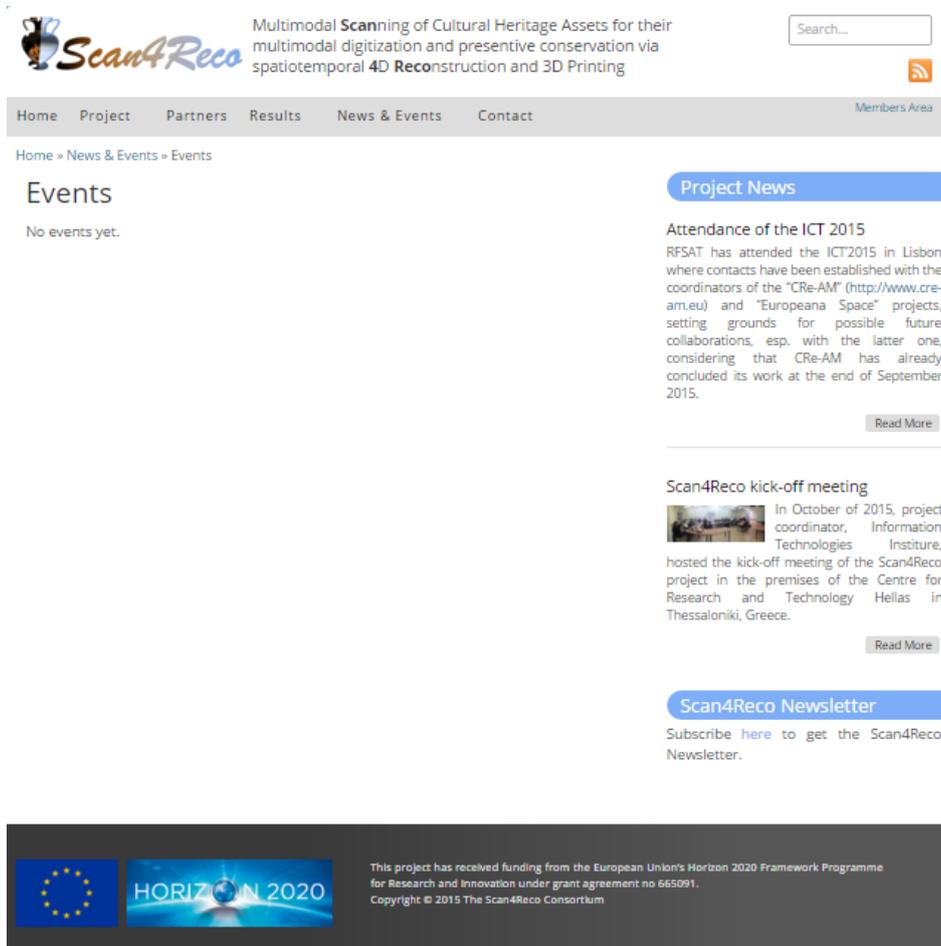


Figure 15: Summary of related events

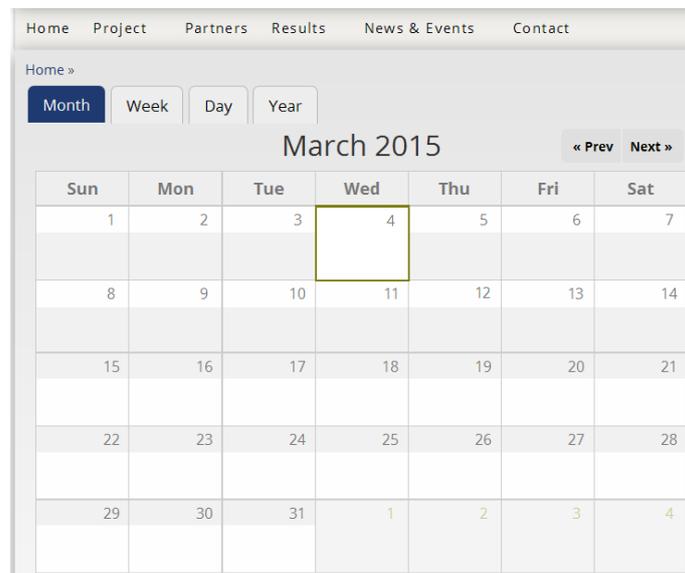


Figure 16: Calendar of events

Newsletter: a list of the project newsletters. Each newsletter of the list has a title, the date posted and a summary. By clicking on a newsletter of the list, the user is navigated to a page with the full newsletter contents. Users can subscribe to the Newsletter (Figure 17) and receive emails as soon as newsletters come out.

The screenshot shows the Scan4Reco website's 'Newsletter Subscription' page. At the top, there is a navigation menu with links for Home, Project, Partners, Results, News & Events, and Contact. A search bar is located in the top right corner. The main content area is titled 'Newsletter Subscription' and includes a section for 'Manage your newsletter subscriptions'. This section contains a form where users can select the newsletter(s) they want to subscribe to or unsubscribe from. There is a checkbox for 'Scan4Reco newsletter' and a text input field for 'E-mail'. Below the form are 'Subscribe' and 'Unsubscribe' buttons. To the right of the subscription form, there is a 'Project News' section with a blue header. The first news item is 'Attendance of the ICT 2015', which mentions RFSAT's attendance at the ICT2015 in Lisbon and its involvement in the 'CRE-AM' and 'Europeana Space' projects. A 'Read More' button is provided for this article. The second news item is 'Scan4Reco kick-off meeting', which describes a meeting held in Thessaloniki, Greece, in October 2015. A 'Read More' button is also present for this article. Below the news section, there is a 'Scan4Reco Newsletter' section with a blue header, containing the text 'Subscribe here to get the Scan4Reco Newsletter.' At the bottom of the page, there is a footer with the European Union flag, the 'HORIZON 2020' logo, and text stating: 'This project has received funding from the European Union's Horizon 2020 Framework Programme for Research and Innovation under grant agreement no 665091. Copyright © 2015 The Scan4Reco Consortium'.

Figure 17: Subscribing to the project's newsletter

4.6 Contact

This page (Figure 18) provides the contact details of the project coordinator and also a contact form, which can be used from the website user to send a message directly to them.

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Search...

Home Project Partners Results News & Events **Contact** Members Area

Home - Contact

Contact

Your name *

Your e-mail address *

Subject *

Message *

CAPTCHA

This question is for testing whether or not you are a human visitor and to prevent automated spam submissions.

Math question *

5 + 14 =

Solve this simple math problem and enter the result. E.g. for 1+3, enter 4.

[Send message](#)

Contact Info

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Figure 18: The SCAN4RECO contact page

5. Services and Related Web-pages

5.1 News Feeds

RSS Feed is implemented to automatically keep a subscriber updated on the Project results and dissemination materials. Thus, it will provide information to interested stakeholders about updates in the News and events sections of the website.

5.2 Social Networks Integration

SCAN4RECO Web 2.0 channels like Twitter have been implemented so as to engage a wider public that is made up of both professionals and non-professionals.

The updating of these pages can be done manually by the authorised managers of the Web site who can manually post information about events or other relevant information (e.g. selected videos) related to the project results.

5.3 Analysis of Statistics

Statistical operations are implemented with Google Analytics [2], a highly popular, well-established web analytics solution that gives rich insights into one's website traffic and marketing effectiveness. It allows for Advanced Segmentation, Custom Reports, Advanced Analysis Tools, Analytics Intelligence, Custom Variables, and Data exports.

Google Analytics can track visitors from all referrers, including search engines, display advertising, pay-per-click networks, e-mail marketing and digital collateral such as links within PDF documents.

Among others, the service offers the following specific statistical insights:

- number of visits and number of unique visitors
- visit duration and last visits
- authenticated users and last authenticated visits
- days of week and rush hours (pages, hits, KiloBytes for each hour and day of week)
- domains/countries of visitors
- host list, last visits and unresolved IP addresses list, most viewed, entry and exit pages
- browsers used
- robot visits
- search engines, key phrases and keywords used to arrive at site
- number of times site is "added to favourites bookmarks"

Statistics are managed by the webmaster and they are analyzed in order to verify trends and variations.

6. Internal members area

Private exchange of information for the SCAN4RECO project can be facilitated by the Internal Members Area of the project website (Figure 19). The use of the online Internal Members Area is restricted only to the team members of each project partner, who can login to the initial page using the credentials provided to them by the website administrator.

Multimodal **Scan4Reco** Scanning of Cultural Heritage Assets for their multimodal digitization and preservative conservation via spatiotemporal **4D Reconstruction** and 3D Printing

Home Project Partners Results News & Events Contact Members Area

Home » User account

Log in Request new password

User account

Username *

Enter your Scan4Reco username.

Password *

Enter the password that accompanies your username.

Log in

Project News

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Figure 19: SCAN4RECO Internal Members Area

7. Administration

The SCAN4RECO website has an administration backend mechanism for assisting the website administrator to manage the whole website functionalities and the published content. The main actions the administrator can perform relate to content management, navigation menus editing (the user may change/rearrange the links, their parents, as well as to edit/modify/add them) and users management (creating new user accounts and editing them). In respect to content management, the administrator can add new content, as well as edit or delete existing one. Currently, the content categories that are supported by the SCAN4RECO website refer to: (a) Articles – project news, (b) events, (c) project partners, (d) basic pages and (e) newsletters.

8. Initial communication templates of the SCAN4RECO project

Although the a full version of the communication items for the Scan4Reco project will be presented in detail in Deliverable D8.2 (M6) [3], a short description of some draft communication templates is presented herein, so as to facilitate the project in raising public awareness about it, already from the first project steps.

8.1 Presentations template

The template for the SCAN4RECO (Powerpoint) presentations was established by M1 of the project, so as to provide a coherent and constant presentation context, for both internal communication among project partners and external communication to the wider public. Figure 20, Figure 21 and Figure 22 below illustrate the title page, the content page and the conclusion page of the SCAN4RECO presentations template, respectively.

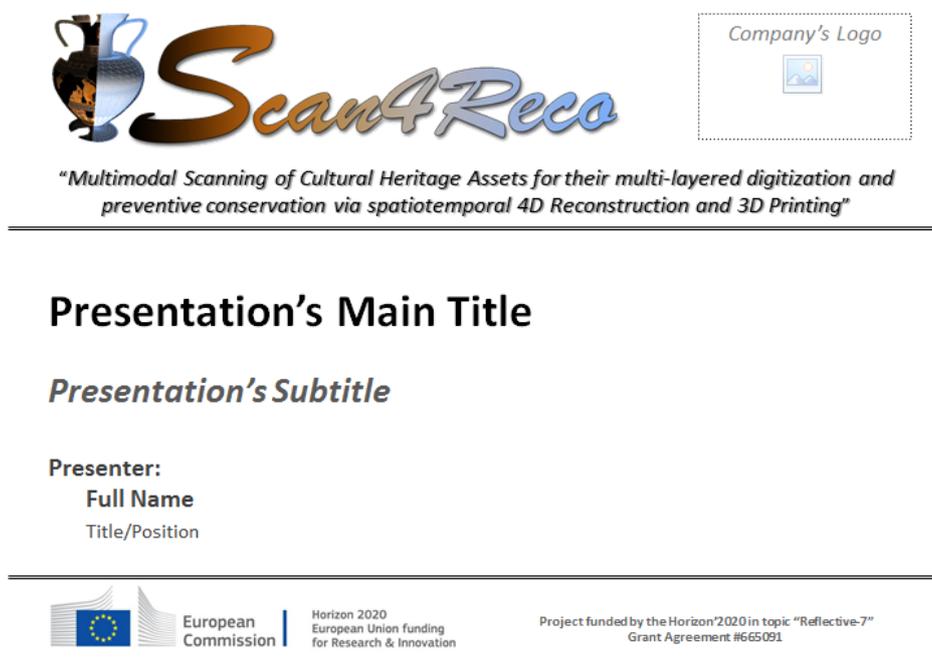


Figure 20: SCAN4RECO presentations template; title page

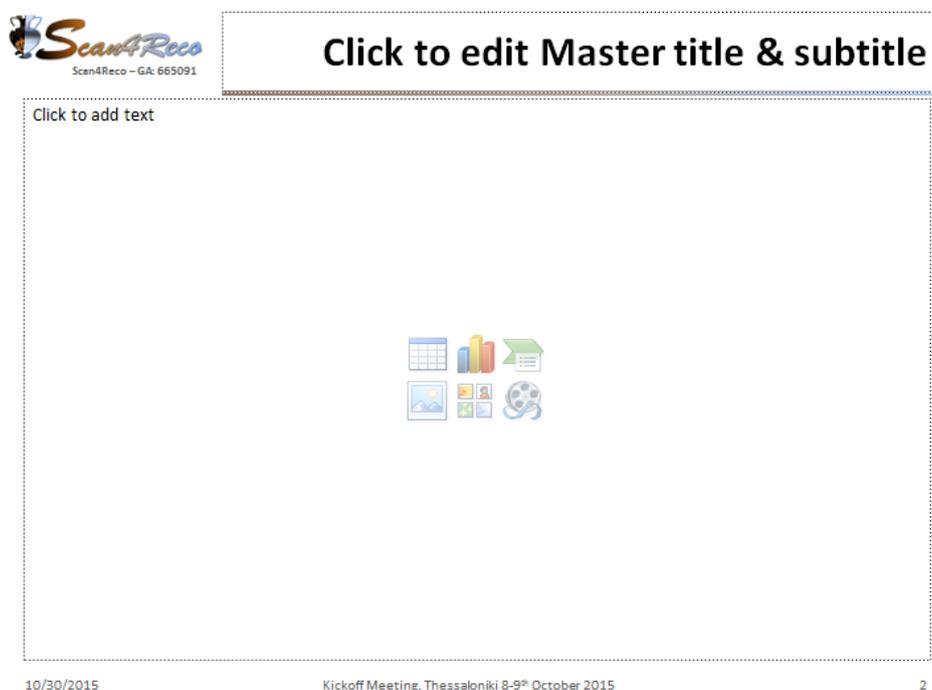


Figure 21. SCAN4RECO presentations template; content page



Questions & Answers



Company's Logo



Contact Details: *Name*
name@domain.xxx

Organization Full Name
 • Department's Full Name

Figure 22: SCAN4RECO presentations template; conclusions page

8.2 “Press Kit” Section

In the section “Results→Press Kit” (Figure 23), the website visitor will be able to download all relevant files and press material relevant to the dissemination activities of the Scan4Reco project, e.g. posters presented at conferences, videos, demonstration leaflets, etc.

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Home Project Partners Results News & Events Contact Members Area

Home » Results » Press Kit

Press Kit

No content yet.

Project News

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Figure 23: The “Press Kit” section of the website

8.3 First SCAN4RECO leaflet

The first version of the SCAN4RECO leaflet has been established, providing an initial overview of the project’s aims, objectives and key facts, serving as a reference template for the future project leaflets. This first version of the project leaflet, illustrated in Figure 24 and Figure 25 below, will also be publicly available for downloading through the project’s website (at the “Press Kit” section, Figure 23).

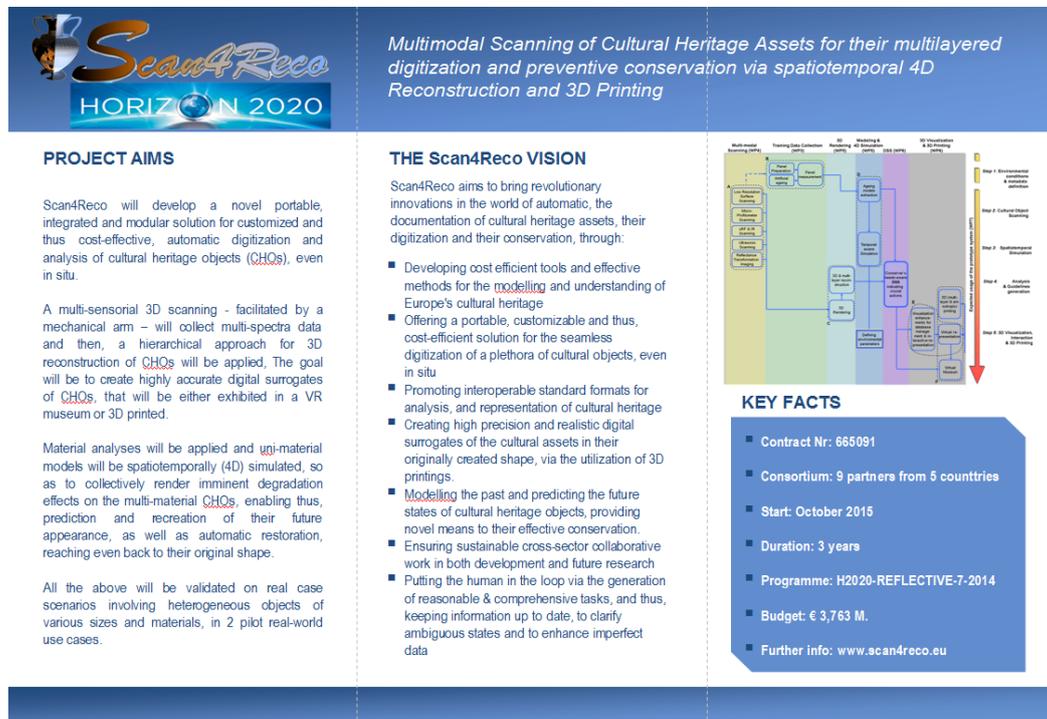


Figure 24: The 1st version of the SCAN4RECO leaflet (external view)



Figure 25: The 1st version of the SCAN4RECO leaflet (internal view)

References

- [1] Scan4Reco Grant Agreement Annex I – “Description of Action” (DoA)
- [2] Google Analytics, <http://www.google.com/analytics/>
- [3] D8.2. “Communication plan”, to appear/be submitted in M6 (i.e. March 2016)