

DELIVERABLE

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Deliverable 2.3.2 Report on dissemination activities

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1 EXECUTIVE SUMMARY

Deliverable 2.3.2 “Report on dissemination activities”, as presented in the DoW, is intended “to present the result of the dissemination activities carried out during the whole project period with a reflection on the actual efficacy of the dissemination activities. An interim version of the report will be produced at the end of the first year taking into account the work done during the first 12 months. The interim dissemination report will be included in the First Management Report and not submitted as a separate deliverable. Only the final dissemination report will be produced as a separate deliverable. This deliverable will include also the description of the results of the final conference held in Task 2.4.”.¹

The final version of D2.3.2 has been edited at month 24.

In D2.3.1, “Dissemination plan and promotional material” delivered at month 6, an overview of dissemination activities carried out during the first six months of the project was given. The present deliverable provides an updating of dissemination activities, already outlined in D2.3.1, and describes those that were carried out during all the project: promotional material produced, dissemination on the web, social networks, newsletters, publications and participation in events.

This document gathers the dissemination actions performed by the consortium partners focusing on the additional value and reflecting on the actual efficacy of the dissemination activities. It describes dissemination channels that have been applied to inform and transmit the project messages, and the results of the activities to the wider cultural heritage and e-infrastructure communities, to enable them to benefit from the research of the consortium and from the work of the project.

The document comprises 9 sections and 9 Annexes:

- **Section 2** gives an introduction and a description of the general approach;
- **Section 3** Intend an overview of the value and efficacy of dissemination activities;
- **Section 4** provides an outline of web dissemination channels and tools (website, showcase on Digital Meets Culture and other partners’ websites, newsletter, mailing lists, collaborative tools), analysing their evolution since the start of the project, including usage statistics;
- **Section 5** presents the pages created on social media services (Facebook, Twitter, Google+, LinkedIn), analysing their results from the beginning of the project;
- **Section 6** describes the promotional materials (factsheets, templates, brochures, posters, booklets, handbook) produced and delivered to all the partners, to be distributed during dissemination events;
- **Section 7** gives a short description of events planned by the DCH-RP project and of the participation in the events organized by third parties;
- **Section 8** describes the Advocacy plan for implementation of advocacy papers;
- **Section 9** explains the findings of the Final Conference of the DCH-RP project, held in Rome on September 22, 2014;
- **Section 10** draws conclusions about the goals of the DCH-RP during the whole project;

¹ DCH-RP Description of Work, Workplan tables, page 10 of 28.

- **Annex A** schematises the methods employed to disseminate DCH-RP activities and outcomes;
- **Annex B** presents the form for a dissemination audit to collect information about dissemination channels and contacts from the partners;
- **Annex C** lists all the meetings, workshops and events that took place during the project;
- **Annex D** contains all the events and news published on the DCH-RP project website, on the Digital Meets Culture showcase and on external sources.
- **Annexes E, F, G, H, I** contain all the Advocacy Papers produced during the project.

Some of the topics illustrated in this final document have been already described in the following deliverables:

- D2.1 – Project website and internal communication tools
- D2.2.1 – Terms of Reference for community building and stakeholder consultation
- D2.3.1 – Dissemination plan and promotional material

2 INTRODUCTION

The mission of the DCH-RP project is to progress the dialogue among Digital Cultural Heritage (DCH) institutions, e-Infrastructures, research and private organizations, in order to develop a commonly agreed vision of distributed digital preservation architecture relying on e-Infrastructures.

The overall goals of DCH-RP are to:

- Design a sound Roadmap for the implementation of an e-Infrastructure for preservation of DCH content. This task has been supported by practical experiments (Proofs of Concept) in the project partners' countries;
- Harmonize data storage and preservation policies in the DCH sector at European and international levels;
- Identify more suitable models for the governance, maintenance and sustainability of infrastructure devoted to preservation of digital content;
- Develop a Registry of Tools and Services.

The aim of WP2 was to develop the consortium's strategy for an effective dissemination of the project's results in the DCH community, as well as to private archives and publishers, e-Infrastructure providers and R&D institutions, contributing to a vibrant community that shares a widespread framework to implement a common e-infrastructure for preservation that will bring reduced costs and interoperability enhanced by shared common procedures, workflows, new skills and competences.

For this reason, the aim of the dissemination strategy was to raise awareness about the DCH-RP project and its main outcome (the Roadmap for the implementation of an e-Infrastructure for preservation of DCH) among:

- Commercial publishers;
- Organizations or initiatives already engaged in digital preservation activities;
- Cultural heritage institutions, organizations, agencies;
- Researchers and students in Cultural Heritage disciplines and the wider scientific community;
- International networks and research infrastructures in the DCH field;
- e-Infrastructure providers and experts, as well as those involved in R&D activities connected with digital preservation;
- Policy makers and policy bodies, and funding agencies including the European Commission.

The WP2 outlined its own objectives as to:

- Define the community of stakeholders, identify its interests and the appropriate main channels for communication and networking activities;
- Extend the stakeholder community by clustering with other projects, participating in events and exploiting the partners' networks of contacts;

- Inform the stakeholder community about news, events and activities by developing a project newsletter, exploiting social networking channels as well as traditional media;
- Present the project at relevant national and international events.

For the dissemination plan, we identified 5 main objectives together with the corresponding activities:

Objective	Description	Activity
Objective 1	Establishing the project website	Designing and building the project website and social media accounts to welcome and inform end-users and stakeholders about the research infrastructure. Complementary to the project website a dedicated showcase has been opened and curated on digitalmeetsculture.net, providing updated news and links to the main outcomes produced by the DCH-RP.
Objective 2	Network of interest	Cooperating with existing communities that are operating in preservation and e-Infrastructure (e.g. APARSEN, SCAPE, EUDAT and others) to develop agreement for shared experiments and dissemination activities.
Objective 3	Informing the stakeholder community about news, events and activities	Establishing a project presence in the social networks; Designing the Project Newsletter and producing 4 issues; Use of Mailing lists and Social Networks to disseminate news and drive traffic to the project website; Press Notices – project launch.
Objective 4	Providing a set of dissemination materials	Project brochure; Introductory PPT presentation; Project poster; Handbook on the Roadmap.
Objective 5	Presenting the project at relevant international and national events	Project presentations at international events; DCH-RP Workshops.

This document will thus base its findings and analysis on the objectives as reported in this introductory section, and will aim to illustrate the results achieved after the closure of the project.

3 VALUE AND EFFICACY OF DISSEMINATION ACTIVITIES

The main tasks of WP2 have been directed to disseminate activities and to spread information from the project to the stakeholders and users and the consultation activities, which were intended to gather information from the stakeholders and users in order to promote trust building and enlarge the network of common interest.

First of all an evocative logo has been created in order to identify the project: *“The logo is an important element for the construction of the project brand. It was designed by Sanja Halling (Riksarkivet) and revised by Maria Teresa Milani (ICCU) [...] It looks back to the ancient architectural elements of the DC-NET logo, as symbols of the cultural heritage sector and the network connections of digital infrastructure, to underline the connections linking the two projects.”*²



Picture 1 – Logo of the project

Dissemination activities carried out during the project had the main purpose of informing the stakeholder community about news, events, project activities and results.

In carrying out these activities, the different channels used (presentations, newsletter, mailing lists, social networks, press notices, articles) have been documented below as, have the project events, workshops and other activities.

The DCH-RP project used a variety of dissemination methods during the timeframe of the project. In the initial phases, dissemination activities focused on encouraging awareness of the project, and afterwards the activities focused on ‘selling’ the major achievements and promoting trust building.

Our strategy was to initially approach the target audience by transmitting them the project messages through social media, professional/personal/local contacts from the project partners’ network, etc.

Contacts were made through the use of appropriate messages to transmit relevant information, according to the specific target. For example, to reach the research community we pointed out specific publications on the project website, news about forthcoming conferences or innovation in preservation services available on e-Infrastructures.

The purpose of these activities was to define the specific information each community requires and the best format for addressing each one.

² D2.1 – Project website and internal communication tools (page 7 of 25, section 5 “Logo”).

Indeed different knowledge and awareness within the theme of digital preservation and the use of e-Infrastructures for DCH highlighted the gap between technological developments and institutional practice in cultural institutions and focused us more closely on the most effective way to reach each audience.

DCH-RP project has addressed its communication strategy mainly to specific communities: Cultural Institutions, research communities and e-infrastructure providers. For further information, see the deliverable devoted to the community D2.2.1 – "*Terms of Reference for community building and stakeholder's consultation*".

To disseminate our results,³ we focused on mailing lists (used to promote surveys and organize meetings), as well as specific events and workshops⁴ in order to reach a public that would be very interested in the activities of DCH-RP and in topics concerning digital preservation and the use of e-infrastructures.

Moreover, to enrich and enlarge the community and disseminate the activities further, forms of communication aimed at a wider public have been studied, e.g. Social networks like Facebook and Twitter.

³ For a complete list of dissemination methods, see Annex A.

⁴ For a complete list of events and workshops, see Annex C.

4 WEB DISSEMINATION CHANNELS AND TOOLS

4.1 DCH-RP WEBSITE

The project website, already described in deliverable D2.1, appears as in the picture below:



Picture 2 – Project website homepage (as of September 2014)

The website was one of the most important instruments supporting the project objectives, both internally and beyond the consortium, with the goals of promoting and disseminating all project activities and results and meeting the needs of all of the partners. For this reason the website has been developed in two sections: a public area, with open content, and a reserved area, with content accessible only to registered users.

From the home page, constantly updated throughout the whole project, both open and closed information is accessible.

The homepage layout has been slightly changed during the project and has been implemented with new buttons. At the time of writing, the formal structure is composed of three columns and they show respectively:

- **Left column:** the website menu, the buttons to reach the social networks pages on Twitter, Facebook, Google+, LinkedIn and the showcase of DCH-RP project on Digital Meets Culture.
- **Right column:** the buttons to reach the questionnaires created during the project:

- Questionnaire on the intermediate version of Roadmap;
- Survey on the first Proofs of Concepts;
- Questionnaire on authentication and authorisation in the cultural heritage community.

Moreover through the right column it is possible arrive at the DCH-RP e-Culture Science Gateway (eCSG) standard-based web 2.0 platform, and to the app realized for Android (available on Google Play)⁵. Finally, a button to subscribe the newsletter has been implemented.

- **Central column:** short description of the project and its principal aims, also showing news and events of interest. It has been periodically updated.

4.1.1 Public area

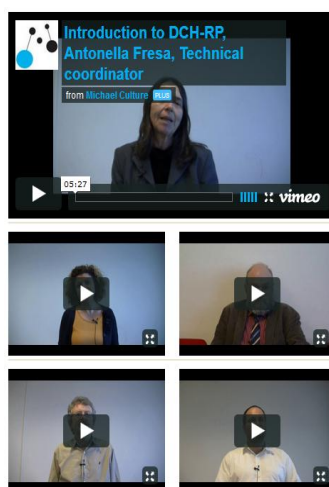
The site-map (PUBLIC AREA) is as follows, with a short description of the content of each section:

- **About:** a short description of the topic, the duration, the funding, the partners involved and the aims of the DCH-RP project.
- **Work packages:** description of the activities and the main outcomes expected by each WP.
- **Partners and contributors:** a list of all partners and contributors involved in DCH-RP project. It is possible, clicking on the logos, to reach the subsection with the description of each partner and to link to their official web pages.
- **Working groups:** a list of groups running in the framework of the DCH-RP network.
- **Roadmap for Preservation:** an overview of the main outcomes of the project (described in D3.5). Through the dedicated subsections, it is possible to analyse in-depth the different issues addressed during the two Proofs of Concept that were carried out during the project. It is also available the “Questionnaire on the intermediate version of Roadmap,” carried out to contribute further results to the design of the final Roadmap.
- **Registry of Services & Tools:** the Registry (already described in D3.3) has been developed by the project⁶ in order to list and illustrate the tools and the services utilized in the context of digital preservation of cultural heritage. A subsection allows the user to complete the Survey on Registry of Services & Tools, where it is possible assign “one or more stars” to the most relevant and widely utilized tools.
- **Deliverables and documents:** public deliverables produced by the project and other relevant documentation.
- **EU related projects:** a list of projects of interest with a short description of each.

⁵ The app has been downloaded about thirty fold (September 2014).

⁶ 1st version is available at: <http://www.dch-rp.eu/index.php?en/129/version-1>; 2nd version is available at: <http://www.dch-rp.eu/index.php?en/138/version-2>; 3rd version is available at: <http://www.dch-rp.eu/index.php?en/142/version-3>

- **e-Culture Science Gateway:** access to the e-Culture Science Gateway and to the Mobile Applications (subsection).
- **Join our community:** this section provides information about the Cooperation Agreement and the Memorandum of Understanding (the forms are available online). Also available is a list of the Cooperation Agreements and the Memoranda of Understanding that have already been signed.
- **Dissemination:** a rich section of the website, which contains different subsections:
 - **Promotional material:** all the dissemination materials produced during the project.
 - **E-infrastructure Concertation Workshop:** abstract of the conference and presentations delivered during the Concertation Workshop.
 - **Presentations:** presentations delivered in different conferences, meetings and events throughout the project.
 - **Poster sessions:** list of events where the DCH-RP poster has been displayed.
 - **DCH-RP on Digital Meets Culture:** a showcase devoted to the DCH-RP project on the online magazine Digital Meets Culture (see also paragraph 4.3).
 - **Video:** videos embedded from VIMEO and produced by MCA, a partner in the DCH-RP project, and available for download both from the project website and from the DCH-RP showcase on Digital Meets Culture. Five interviews have been realized with some WP leaders and Task leaders to present the main results of the project to target users and stakeholders:
 - Introduction to DCH-RP, by Antonella Fresa, Technical coordinator;
 - DCH-RP Dissemination and sustainability, by Sara Di Giorgio, WP2 leader;
 - DCH-RP Case studies and best practices, by Jean Moulin & Rosette Vandenbroucke, WP4 leaders;
 - DCH-RP Engagement with commercial publishers, by Tim Devenport Task 4.1 leader;
 - DCH-RP Proofs of concept, Michel Drescher, WP5 leader.



Picture 3 – Videos realised by MCA

- **Events archive:** a list of events organized by the project or by other projects or institutions. It is possible to browse them by Title, Year, Place, Category.
- **News archive:** news of interest in preservation in digital cultural heritage. It is possible to browse them by Title, Year, Place, Category.
- **Newsletter:** all the issues produced during the project are available on this section (see paragraph 4.2).

4.1.2 Reserved area

The Reserved Area is dedicated to the project's partners and can only be accessed after each has have received a password. The password can be received by writing to the project e-mail address (info@dch-rp.eu).

Access to the Reserved Area is granted to the EC Project Officer as well, to allow a more in depth monitoring of the project's development:

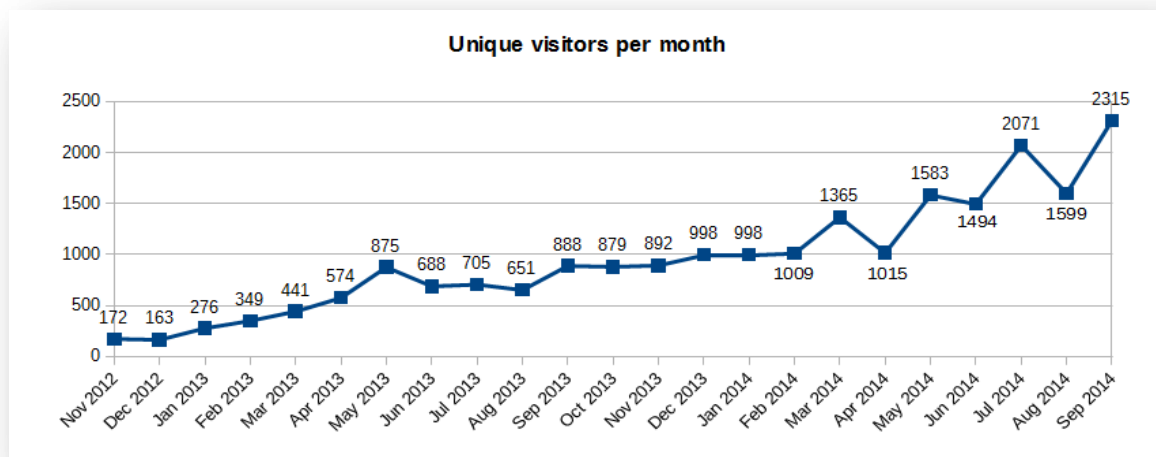
- **Project management:** reserved documentation about the project.
- **Templates:** templates for the reporting of activities regarding the DCH-RP project.
- **Deliverables:** all the deliverables (public and restricted) produced by the project are available in this section with details about the authors, the partners contributing, and the peer reviewers.
- **Reviews:** agendas, materials, documentation and presentations about the review borne by the project and organised by the European Commission.
- **Work packages:** documentation about the activities carried out by each work packages.
- **Plenary meetings:** agendas, presentations and minutes concerning all the plenary meetings of DCH-RP project.
- **Event reports:** reports about project activities written up by the partners.
- **Collaborative tools:** the list of collaborative tools, provided by EGI.eu and utilized during the project in order to cooperate and share the activities carried out.
- **Address book:** addresses and contacts of all the partners involved in the project.

4.1.3 DCH-RP website statistics

Statistical analysis of the project website has been used from the partners as guidance for further activities. In particular, the main indicators of interest are:

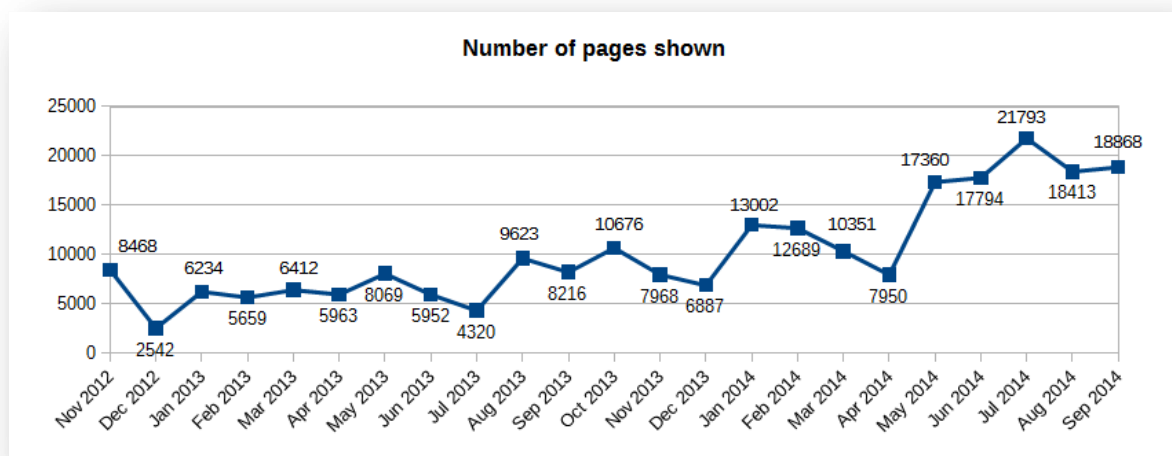
- Unique visitors: number of single users that have visited the site, net of duplications
- Page views: number of web pages requested and viewed by the user
- Hits: total number of requests for downloading various files that users have made to the server.
- Visit duration: time spent in seconds while navigating or viewing the pages of the site or using a digital application.

- Unique visitors have risen quite constantly since the beginning of the project. As of September 30th, 2014, a total of 22,000 visitors accessed the website (8,551 between 2012 and 2013, and 13,449 during the first nine months of 2014). The average of unique visitors per month rose from 685 in 2013 to 1,494 in 2014 (+118.10%).



Picture 4 – Number of unique visitors

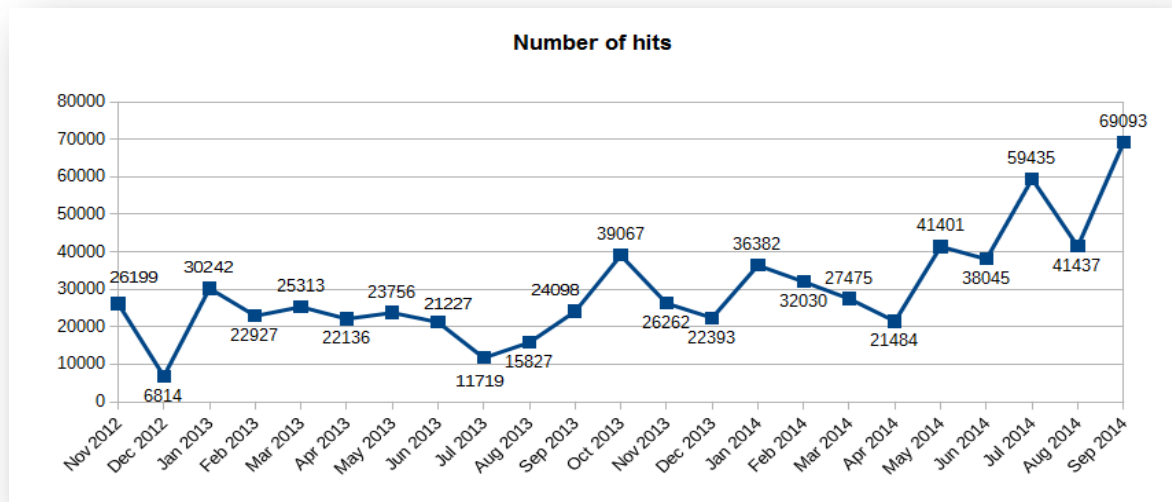
The data about pages shown are a bit more erratic than all other statistics, but nonetheless show a rising trend, as do all the other indicators. As of September 30th, 2014, a total of 235,209 website pages was shown (96,989 between 2012 and 2013, and 138,220 during the first nine months of 2014). The average of pages shown per month rose from 7,165 in 2013 to 15,358 in 2014 (+114.35%).



Picture 5 – Number of pages shown

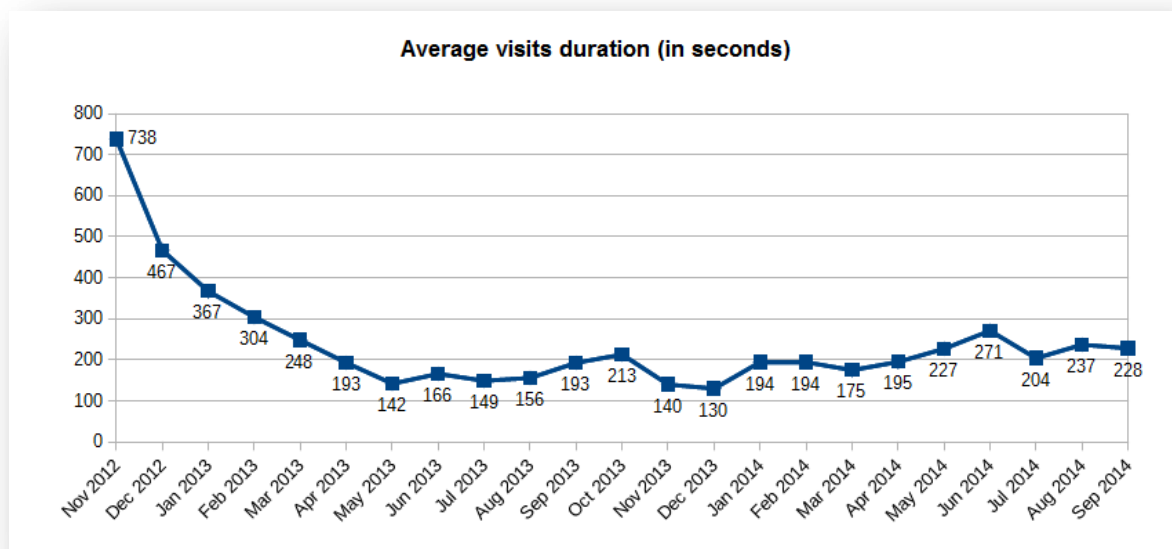
Website hits also grew during the project. As of September 30th, 2014, a total of 648,872 hits had been requested by individual and/or search engines (317,980 between 2012 and 2013,

and 366,782 during the first nine months of 2014). The average hits per month rose from 23,747 in 2013 to 40,754 in 2014 (+71.62%).



Picture 6 – Number of hits

The duration of each visit on the website also showed a positive trend, even if only slightly compared to the other indicators. The average duration per month rose from 3 minutes and 20 seconds in 2013 to 3 minutes and 30 seconds in 2014 (+5.00%).



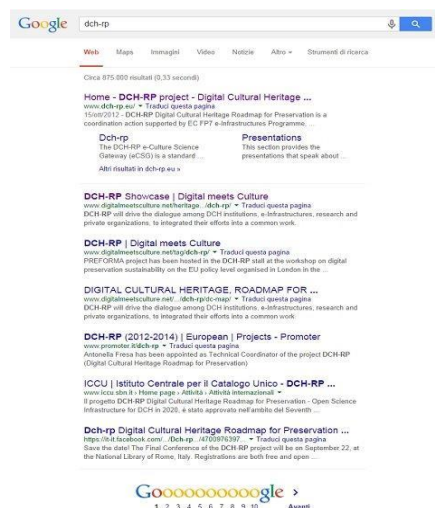
Picture 7 – Average duration of each visit on the website (in seconds)

Lastly, we report the numbers of public and private deliverables and promotional material downloaded from the website:

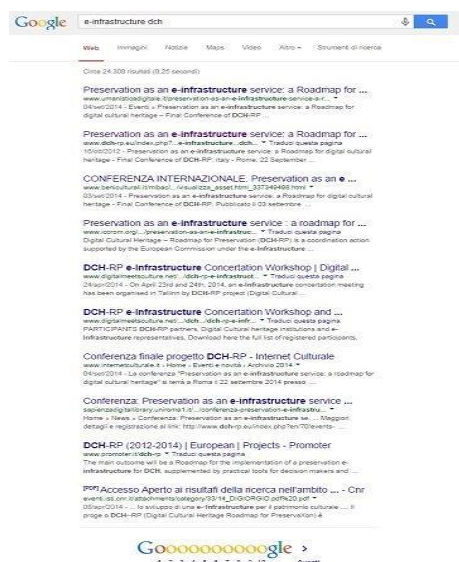
D2.1 – Project website and internal communication tools	6,767
D3.3 – Registry of services	2,220
D5.1 – Technical Plan v1.1	1,473
D3.1 – Study on a Roadmap for Preservation	1,398
D2.2.1 – Terms of Reference for community building and stakeholder's consultation	1,225
D3.4 – Intermediate version of the Roadmap	1,140
D3.2 – Standards and interoperability best practice report	965
D2.3.1 – Dissemination plan and promotional material	779
D5.2 – Upgraded eCulture Science Gateway	717
DCH-RP Cooperation Agreement	716
D5.3 – Report on first Proof of Concept	590
D4.2 – Engagement with commercial publishers	352
DCH-RP Memorandum of Understanding (MoU)	339
DCH-RP Brochure (English)	313
DCH-RP Questionnaire	311
DCH-RP Brochure (French)	210
DCH-RP Brochure (Italian)	194
DCH-RP Brochure (Hungarian)	145

4.1.4 Search Engine Optimization

Search Engine Optimization (SEO) activity was carried out periodically by the ICCU Webmaster. Two screenshots of Google searches (20/10/2013) are included to illustrate this on-going monitoring. Both searching for “DCH-RP” and for “e-Infrastructure DCH”, all the first page occurrences refer to the DCH-RP project.



Picture 8 – Search “DCH-RP” (September 2014)



Picture 9 – Search “e-infrastructure DCH” (September 2014)

4.2 NEWSLETTER

The editorial strategy for the project newsletter was based on creating articles talking about DCH-RP related topics including:

- Project achievements
- Events attended by the project Consortium
- News from projects active in the same area as DCH-RP.

The Newsletters were distributed to email lists and the full newsletter can be also be found on the project website.⁷ Notices about the newsletter were posted on social networks (Facebook

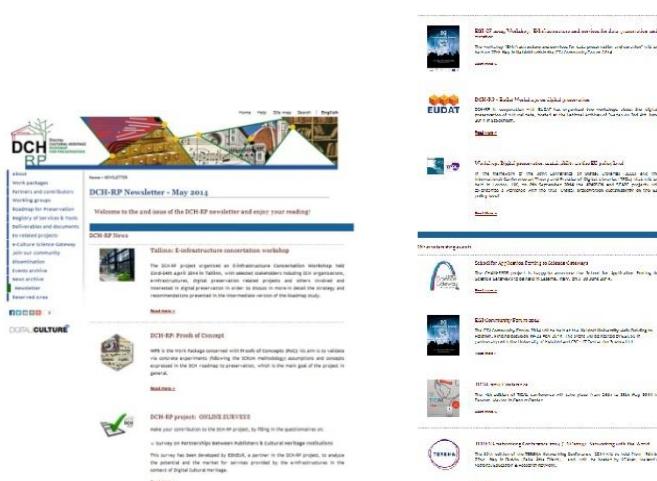
⁷ Links to the newsletters follow:

and Twitter). The motivation behind publishing a summary version of the newsletter with links to the full articles has been to drive traffic to the project website.

Four editions of the DCH-RP newsletter have been prepared and delivered to the community with the contribution of all the partners (February, May, July and August 2014), featuring a series of news items highlighting the main results achieved in the last months and the most important and relevant upcoming events.

The graphic layout of the DCH-RP newsletter is subdivided into two distinct parts, in order to differentiate the type of news:

- the first, named “DCH-RP news”, contains news strictly related to the project and its activities;
- the second, named “Other interesting events”, offers an overview of events that will be held soon and that may be of interest to the subscribers.



Picture 10 – Screenshot of the 2nd DCH-RP Newsletter (May 2014)

- 1st newsletter (February 2014): <http://www.dch-rp.eu/index.php?en/109/newsletter/3/dch-rp-newsletter-february-2014>

- 2nd newsletter (May 2014): <http://www.dch-rp.eu/index.php?en/109/newsletter/6/dch-rp-newsletter-may-2014>

- Special issue (3rd newsletter, July 2014): <http://www.dch-rp.eu/index.php?en/109/newsletter/11/dch-rp-special-newsletter-july-2014>

- 4th newsletter (August 2014): <http://www.dch-rp.eu/index.php?en/109/newsletter/12/dch-rp-newsletter-august-2014>



Picture 11 – Screenshot of the Special DCH-RP Newsletter (July 2014)

4.2.1 Subscriber statistics

At the beginning the newsletter was sent to all the partners signed up to the project's list (partners@dch-rp.eu). From February 2014 to August 2014, also thanks to the dissemination activities carried through social networks and websites, subscriber numbers have increased from 60 to 85 (+29.4%).

4.3 DCH-RP ON DIGITAL MEETS CULTURE

Digital Meets Culture (<http://www.digitalmeetsculture.net>) is the official media partner of the DCH-RP project. Digitalmeetsculture.net acts both as an online magazine active in the European digital cultural heritage sector and as a collaborative space open to cooperation and interaction among practitioners, cultural managers, students, researchers and amateurs on themes connected with the intersection between digital technologies and the cultural heritage and the arts. It counts thousands of readers and a large and constantly increasing number of registered users, from all over the world.

Since the beginning of the Project, DCH-RP has been showcased on Digital meets Culture with a button permanently featured on the homepage and in the “digital heritage” section of the portal, providing easy access to a dedicated page containing a presentation of the project, latest news, upcoming events, ongoing activities, main results, etc. The information page also gives access to a series of articles related to project activities and partners, and includes interviews, chronicles of project’s meetings and events and so on.

The link to the DCH-RP showcase is conceived to empower the web presence of the project, exploiting the popularity of Digital Meets Culture. The objective of this showcase is to widen the project’s dissemination to a larger group of people, including both professionals and the general public (i.e. the readers of www.digitalmeetsculture.net magazine) and to re-direct traffic to the official project website.

The DCH-RP showcase on Digital Meets Culture (<http://www.digitalmeetsculture.net/heritage-showcases/dch-rp/>) has been constantly updated throughout the duration of the project in terms of content, structure and graphic design. This includes prompt publication of project intermediate results, news, articles, presentations, and main ongoing activities.



Picture 12 – DCH-RP showcase on www.digitalmeetsculture.net

4.3.1 Digital Meets Culture newsletter

DCH-RP featured in two editions of the Digital Meets Culture Newsletter, which has been distributed to over 5,000 readers.

The first one (December 2012) included an article presenting the project and its achievements. The second one (September 2013) was entirely devoted to the theme of the e-infrastructures applied to the cultural heritage sector, presenting the cooperation between DCH-RP and the other projects and initiatives working world-wide around these topics and inviting readers to attend the next events organised by DCH-RP: a workshop during the 2nd EUDAT Conference and a networking session at ICT 2013.

The database of email addresses reached by the newsletter includes lists of contacts from the DCH-RP partners, the whole group of Digital Meets Culture.net registered users plus a target selection of email addresses belonging to specific people working in the sector of digital cultural heritage.

An article presenting DCH-RP featured in the December edition of the SCAPE Newsletter.⁸

4.4 DCH-RP ON THE WEBSITES OF PROJECT PARTNERS

As reported in "Dissemination methods" (see Annex A), the WP2 encourages all the partners in the project to publish a page concerning the DCH-RP project on their websites.

⁸ The newsletter is available online at <http://us4.campaignarchive2.com/?u=20cef0f757e3840df2769745b&id=745209b0a3&e=bea3718179> More information is available at <http://www.digitalmeetsculture.net/article/dch-rp-features-in-scape-newsletter/>

Here we provide a short collection of screenshots that shows the pages of partners' websites devoted to the DCH-RP project. Through these pages it is also possible to reach the official project website, thus enhancing web traffic.

Istituto Centrale per il Catalogo Unico (ICCU)

http://www.iccu.sbn.it/opencms/opencms/it/main/attivita/internaz/pagina_0008.html



Collections Trust (CT)

<http://www.collectionstrust.org.uk/our-work/our-work>

Collections Trust

HOME ABOUT US NEWS EVENTS COLLECTIONS LINK SHOP BLOG CONTACT US

You are here: Home / Our Work

Our Work

Through our standards, our services and our professional know-how, we help thousands of cultural institutions around the world face the future with confidence. Our work ensures that millions of people worldwide can continue to discover, enjoy and learn from their history and the knowledge and stories which bring it to life.

Through our partnerships and online communities Collections Trust reaches out to a network of more than 23,000 organisations to share best practice and new thinking. We have an exciting range of programmes designed to help our community secure their collections, reduce their environmental impact, manage their costs and embrace the digital opportunity. We are also working with Governments, NGOs and Agencies around the world to define and develop professional practice.

Our current projects include:

Athena Plus

Aim: To open up and share standards and best practice in running digital projects associated with Europeans.

- Researching how to get collections information to users rather than the other way round.
- Allowing greater access to and use of cultural heritage information.

Digital Cultural Heritage Roadmap for Preservation (DCH-RP)

Aim: To harmonize data storage and preservation policies in the digital cultural heritage sector.

- Progress a dialogue and integration among institutions, e-infrastructures, research and private organisations.
- Identify models for the governance, maintenance and sustainability of the integrated infrastructure for digital preservation of cultural content.

About Us

- About Us
- The Board
- The CT Team
- Our Work
- History
- Sponsors
- Vacancies

EDiTEUR

<http://www.editeur.org/155/DCH-RP/>

HOME ABOUT COLLABORATIONS + COLLECTIONS + MONITORING + EVENTS CONTACT

EDiTEUR

COLLABORATIONS

ICCSIS

AIR

BIC Web Services

Hande user

DCH-RP

Archiving in the digital age

EDiTEUR

EDiTEUR in the future

Partners

Collaborations

EDiTEUR is a collaborative project, involving more than 200 organisations across Europe and beyond. The project is designed to develop a roadmap that will help organisations in the digital cultural heritage sector to plan and implement their digital strategies.

DCH-RP

DCH-RP is a collaborative project, involving more than 200 organisations across Europe and beyond. The project is designed to develop a roadmap that will help organisations in the digital cultural heritage sector to plan and implement their digital strategies.

EDiTEUR's role

EDiTEUR is a collaborative project, involving more than 200 organisations across Europe and beyond. The project is designed to develop a roadmap that will help organisations in the digital cultural heritage sector to plan and implement their digital strategies.

Project participants

EDiTEUR is a collaborative project, involving more than 200 organisations across Europe and beyond. The project is designed to develop a roadmap that will help organisations in the digital cultural heritage sector to plan and implement their digital strategies.

Poznańskie Centrum Superkomputerowo Sieciowe (PCSS)

<http://dl.psnc.pl/activities/projekty/lang-pref/pl/>



PSNC Digital Libraries Team
Network Services Department - Polish Supercomputing and Networking Center

Introduction The team Activities Publications Blog Press/Events Contact

Projects

January 1, 2009 – September 30, 2009

The Epic of Gilgamesh

W ramach projektu The Epic of Gilgamesh opracowano cyfrową publikację przedstawiającą teksty o Gilgameszu. Multimediale wydanie zostało stworzone przy pomocy narzędzi do digitalizacji i archiwizacji, które umożliwiają użytkownikom przeglądanie i wyszukiwanie w tekście. Więcej informacji: <http://dl.psnc.pl/dl/dl-projects/gilgamesh/>

Recent Posts

- Success summary for the digitization Tuesday, 29 Jun 2010
- Summary of the national PSNC meeting Tuesday, 22 Jun 2010
- Success in Digitization Conference Friday, 1 Jul 2010

Related posts

- Success Tuesday, 29 Jun 2010
- Summary of the national PSNC meeting Tuesday, 22 Jun 2010
- Success in Digitization Conference Friday, 1 Jul 2010

Archives

Select month

Tags

ACCESS IT link to knowledge

European Grid Initiative (EGI.eu)

<http://www.egi.eu/community/projects/DCH-RP.html>



egi European Grid Infrastructure

COMMUNITY • INFRASTRUCTURE • SERVICES • SOLUTIONS • HOW TO? • CASE STUDIES • NEWS & MEDIA • ABOUT

Digital Cultural Heritage - Roadmap for Preservation

Aims

DCH-RP is a world-nation action expected to start in October 2012 and lasting 2 years, which will be adding more concrete results in the specific area of the digital preservation of cultural heritage.

Aims and benefits

The main objectives of DCH-RP are:

- to harmonise data storage and preservation policies in the DCH sector at European and international level
- to progress with the dialogue among DCH institutions, infrastructures, research and private organizations
- to establish the conditions for these sectors to integrate their efforts into a common work
- to identify the most suitable modes for the governance, maintenance and sustainability of such integrated infrastructure for digital preservation of cultural content

The main outcome will be a Roadmap for the implementation of a preservation infrastructure for DCH, supplemented by practical tools for decision makers and validated through a range of proof of concepts, where cultural institutions and infrastructure providers will work together on concrete experiments.

PROBLEMS/ISSUES

Connection: B212274
Start date: 1 October 2012
End date: 30 September 2014

MOTIVATION

Available on the [DCH-RP fact sheet](#)

<http://www.michael-culture.eu/dch-rp>



<http://www.promoter.it/dch-rp>

DCH-RP Deliverable D2.3.2

Riksarkivet (RA)

<http://www.digisam.se/index.php/pagaende-arbete/eu-projekt-och-oevrig-samverkan/dch-rp>

The screenshot shows the Digisam website with a navigation bar at the top. The main content area is titled "DCH-RP - Digital Cultural Heritage Roadmap for Preservation". It features a logo for "Digital Cultural Heritage Roadmap for Preservation" and a section titled "Februari 2014, Udgearningsrapport". The text describes the project's progress, mentioning a meeting in Stockholm on 18-19 February 2014. It also lists several participating institutions under the heading "Uppdragsorganisationer".

DCH-RP - Digital Cultural Heritage Roadmap for Preservation

Februari 2014, Udgearningsrapport

Projektet har nu avvecklat sitt första avsnitt i två projektets plan. Detta innebär att de första rapporterna har kommit in från de olika deltagarna. De första rapporterna har kommit in från de olika deltagarna. De första rapporterna har kommit in från de olika deltagarna.

Uppdragsorganisationer:

- Riksarkivet (RA)
- Arkivcentralen
- Tekniska museet
- Nationalbiblioteket
- Statens maritima museum
- Statens historiska arkiv

Consortium GARR

<http://www.garr.net/a/progetti/europei/progetti-in-corso>

The screenshot shows the Consortium GARR website. The main content area is titled "Progetti Europei in corso". It features a table with the following columns: num., Progetto, Inizio, Fine, Mesi, and Finanziato in. The table lists several projects, including "GARR-CHAPLUS", "GARR-REDS", "DCH-RP", "ELCURA", "EUROCONNECT", "ORIENTPlus", and "AFRICA CONNECT".

Progetti Europei in corso

num.	Progetto	Inizio	Fine	Mesi	Finanziato in
005503	GARR-CHAPLUS	01/01/2011	12/31/2015	22	FP7
007810	GARR-REDS	01/01/2011	12/31/2014	10	FP7
012256	DCH-RP	01/01/2011	12/31/2014	24	FP7
013100	ELCURA	01/01/2011	12/31/2014	24	FP7
013100	EUROCONNECT	01/01/2011	12/31/2014	36	FP7
013100	ORIENTPlus	01/01/2011	12/31/2014	12	FP7
013100	AFRICA CONNECT	01/01/2011	12/31/2015	60	FP7

4.5 MAILING LISTS

The members of the project team are registered on various mailing lists for professional reasons. These lists cover different aspects of research on digital cultural heritage and/or e-Infrastructure services including specialist subject areas, uses of particular technologies, digital preservation, general topics in cultural heritage and digital libraries and business domains. To avoid multiple postings, team members were asked to take responsibility for circulating project news to specified mailing lists.

Three mailing lists were activated:

- info@dch-rp.eu (devoted to all stakeholders interested in DCH-RP project);
- partners@dch-rp.eu (devoted only to partners).
- ecsgadmin@dch-rp.eu (reserved to the administrators of the e-Culture Science Gateway created in the context of WP5).

The access to the mailing list archive was protected by password, available on request from the DCH-RP webmaster, by writing to otebac@beniculturali.it. The mailing lists were managed by POP3ML, a free PHP script class without a local SMTP server, licensed under GNU GPL.

During the project, on the partners@dch-rp.eu mailing list (activated at the end of October 2012) over 1,900 emails were exchanged (as of September 2014), with an average exchange of over 80 e-mails per month. This fact demonstrates that the tool has been very useful for the cooperation and communication among the partners of the project and has been, indeed, widely used.

4.6 COLLABORATIVE TOOLS

Collaborative tools and workspaces, already available on e-Infrastructures, have been used by partner for supporting work in progress on documents, sharing information (e.g. databases, repositories, archives, wiki, discussion forum, dedicated mailing lists, reserved areas on the project website) and these made possible different and additional forms of communication and dissemination activities.

Collaborative tools were used in order to develop effective amplification strategies by targeting and building communication channels with existing networks, projects and community bodies.

A set of collaborative tools that EGI.eu, as a DCH-RP partner, contributed to the project were:

- EGI – Wiki: http://wiki.egi.eu/wiki/DCH-RP:Main_Page
- INDICO Integrated Digital Conference:
<http://indico.egi.eu/indico/categoryDisplay.py?categId=87>
- EGI – Document server: <http://documents.egi.eu/secure/ListBy?topicid=45>
- EGI discussion forum:
<http://forum.egi.eu/viewforum.php?f=27&sid=fe56ac135d5854823f9becc4bf>

They served to facilitate collaboration between partners for the duration of the project and were assessed as collaborative tools for inclusion in the DCH Roadmap, but also for further dissemination activities within professional communities.

4.6.1 EGI Wiki

The EGI Wiki has been mainly used by DCH-RP Work Packages 4 and 5. Work Package 4 established the DCH-RP Glossary.⁹ Work Package 5 used the wiki to document the entire life-cycle and details of the Proofs of Concept conducted within this Work Package. This includes not only the technical details of the PoCs themselves, but also the proceedings of the regular conference calls coordinating the advancement of the experiments.

⁹ The Glossary is available at <https://wiki.egi.eu/wiki/DCH-RP:Glossary>.

4.6.2 Indico

Even though open to all partners in the project, only those participating in WP5 used of Indico to organise and manage regular coordination conference calls. WP5 only minimally used the available capabilities of Indico, and mainly exploited the capability to document time and used material for a phone conference – however not much more than that was necessary.

4.6.3 EGI Document server

Only WP5 has used the EGI Document server for managing documents that are collaboratively written or are intended for shared use (e.g. to communicate findings to WP3).

4.6.4 EGI discussion forum

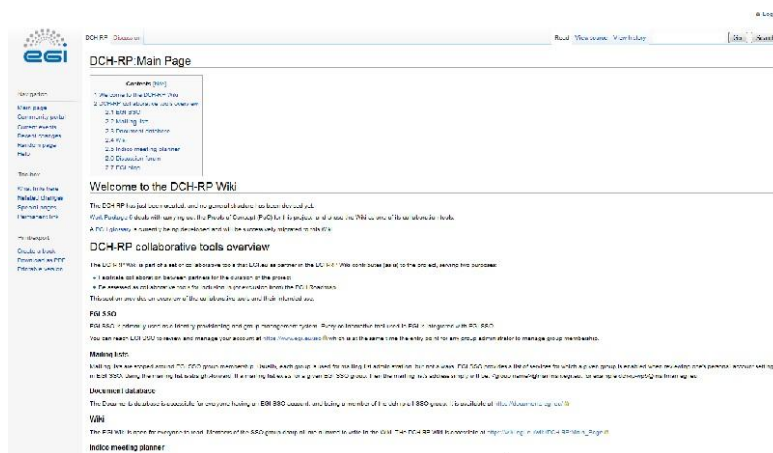
Seen as an opportunity to engage in discussions with its stakeholders, WP4 has set up a discussion board and several topics for engagement across Europe. However, uptake of this form of interaction and communication has been very low, and discussions died out very soon.

4.6.5 Audio conferencing system

EGI.eu has procured an audio conferencing system, mostly for its direct use in the EGI-InSPIRE project, but with EGI.eu increasingly participating in other projects, EGI.eu saw potential in decreasing overall project cost by sharing its conference services with other partners. However, only WP5 has made use of the system for its regular coordination calls for the experiments and PoCs taking place over the course of the project.

4.6.6 Conclusions

Utilisation of the various tools offered generally turned out to be low, with the sole exception of WP that did show collaborative impact, mostly due to the extensive knowledge of the tool that the WP leader had. Nevertheless, such turnout was somewhat expected, since the penetration of social web tools (such as online discussion forums) takes usually longer in the CH community, in comparison to other communities. Moreover, it has to be taken into account that the evolution of the project and of the related discussions led to a "natural selection" of the most appropriate tools to work with.



DCH-RP

Picture 13 – Tools provided by EGI

5 SOCIAL NETWORK INTEGRATION & ACTIVITY

Given the recognised importance of the social media, which increase the possibility to reach different audiences, it was decided to set up different channels to broaden the DCH-RP community. Four social media were selected in order to reach this goal: Facebook, Twitter, Google+, and LinkedIn.

Facebook, the most used social network in the world, is addressing a generic audience. In this social network a dedicated public page shows the main updates of the website and the most significant project activities. The same considerations apply, except for the reduced scale of numeric audience, also to Google+.

Twitter, the popular micro-blogging service, brings in real time all the news of the website to the followers of the profile and allows a very quick sharing of the news through the web. This was the most used channel for communicating our activities, and the one where reactions were most notable. Special mention also needs to be made of LinkedIn, which is more focused on a more professional target audience.

5.1 FACEBOOK

The DCH-RP Facebook page¹⁰ was launched on December 19th, 2013. The posts on the Facebook page were created either manually or automatically: the latter were implemented through an online software tool called Twitterfeed,¹¹ that guaranteed that all news and events published on the project website were immediately visible on several social networks (including Facebook). A limit of up to three posts per week was considered to be sufficient, because the strategy was to keep alive the attention of the “page friends”, without spamming their profiles.

¹⁰ <https://www.facebook.com/pages/Dch-rp-Digital-Cultural-Heritage-Roadmap-for-Preservation/470097639778035>

¹¹ <http://twitterfeed.com/>



Picture 14 – Screenshot of the DCH-RP Facebook page

The current Facebook page has achieved a good number of followers. As of September 19th, 165 people from 15 countries liked the page: the largest group comes from Italy (141), but many European countries are represented together with United States, Brazil, and Taiwan. The page statistics show that the core group is made up of young men and women aged 25-34 (respectively 20% and 17%).

User demographics by gender and age

	Total	18-	18-24	25-34	35-44	45-54	55-64	65+
Women	52%	1%	7%	17%	14%	10%	2%	1%
Men	47%	0%	4%	20%	7%	9%	3%	2%

User demographics by country

Nationality	Fans	%
Italy	141	85.45%
Sweden	4	2.42%
United Kingdom	3	1.82%
United States	3	1.82%
Brazil	2	1.21%
Portugal	2	1.21%
Spain	2	1.21%
Albania	1	0.61%
Belgium	1	0.61%
France	1	0.61%
Germany	1	0.61%
Ireland	1	0.61%
Japan	1	0.61%
Netherlands	1	0.61%
Taiwan	1	0.61%

On average, every message posted on Facebook was read by more than 50 people. The Facebook reports about the posts show that both news related to the project and to digitization in a broader sense were equally of interest for the community.

Reach: Organic/Paid

Post Clicks

Likes, Comments & Shares

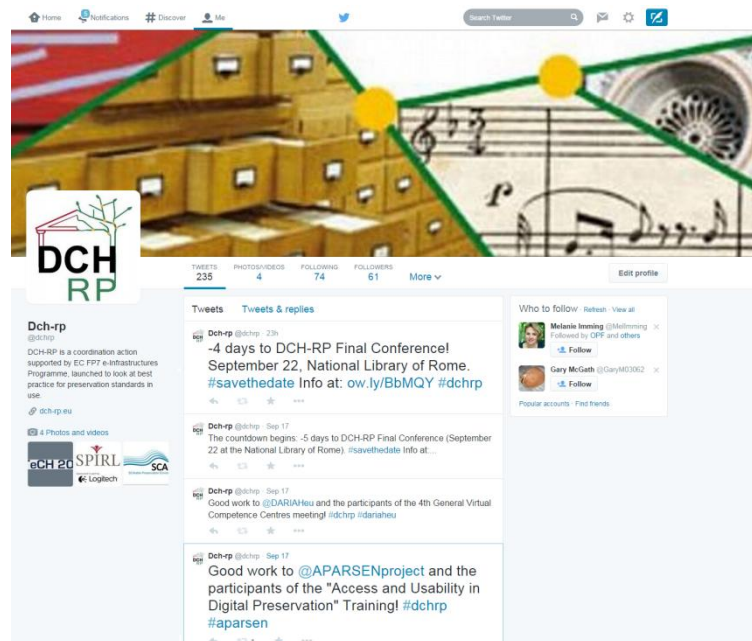
Published	Post	Type	Targeting	Reach	Engagement	Promote
04/09/2014 15:46	<div>Save the datel The Final Conference of the DCH-RP project will be on September 22, at the</div>			216	<div>2</div> <div>2</div>	<div>Boost Post</div>
08/07/2014 13:30	<div> <div>e-infre</div> <div>The survey on the intermediate version of Roadmap for Preservation is now available. Its aim</div> </div>			215	<div>2</div> <div>2</div>	<div>Boost Post</div>
15/09/2014 10:30	<div> <div> </div> <div>Save the datel The Final Conference of the DCH-RP project will be on September 22, at the</div> </div>			126	<div>1</div> <div>4</div>	<div>Boost Post</div>
31/07/2014 10:35	<div> <div> </div> <div>On August 16-22, @ifla is holding its 80th General Conference in Lyon. More info at http://ow.ly/zdByk</div> </div>			39	<div>0</div> <div>0</div>	<div>Boost Post</div>
25/07/2014 10:35	<div> <div> </div> <div>On August 16-22, @ifla is holding its 80th General Conference in Lyon. More info at http://ow.ly/zdByk</div> </div>			30	<div>2</div> <div>1</div>	<div>Boost Post</div>

Picture 15 – Facebook most popular posts by reach

5.2 TWITTER

The Twitter profile was launched on December 11th, 2013. The posts were created either manually or automatically: also in this case, the latter were implemented through Twitterfeed. A limit of up to three posts per day was considered to be sufficient.

As of September 19th, 2014, we have "tweeted" 235 times, reaching 61 followers overall. 28 tweets (11.91%) were "retweeted"¹² a total of 50 times and 27 (11.49%) favorited a total of 29 times. The DCH-RP account was also included in 6 lists.¹³



Picture 16 – Screenshot of the DCH-RP Twitter page

User demographics by country


Nationality	Follower s	%
United Kingdom	14	22.95%
Italy	13	21.31%
Netherlands	8	13.11%
United States	4	6.56%
Belgium	2	3.28%



¹² A "retweet" is a feature that allows Twitter users to directly reblog another Twitter user's content directly on their own tweet-stream.


¹³ A "list" is a feature that allows Twitter users to "categorise" the feeds of the accounts they are following by custom preferences (e.g. by topic).



France	2	3.28%
Ireland	2	3.28%
Sweden	2	3.28%
Albania	1	1.64%
Denmark	1	1.64%
Germany	1	1.64%
New Zealand	1	1.64%
Spain	1	1.64%
Venezuela	1	1.64%
Multinational	8	13.11%


Tweets most retweeted






Dch-rp @dchrp March 26, 2014, 6:52 pm via Hootsuite  4  0
[@ESOF2014](#), Europe's largest general science meeting, will be held in Copenhagen next June 21-26. Don't miss it! Info [ow.ly/uZP1d](#)






Dch-rp @dchrp August 20, 2014, 7:02 pm via Hootsuite  4  0
On Sep 17-18 [@APARSENproject](#) will host in Florence (Italy) a training event on [#DCH](#) access&usability. More info at: [ow.ly/AwRyJ](#)





Dch-rp @dchrp May 9, 2014, 3:05 pm via Hootsuite  4  2
May 21, Vienna: [@APARSENproject](#) and [@SCAPEproject](#) host an event on long term accessibility of digital resources. Info [ow.ly/tWC9no](#)



Dch-rp @dchrp January 20, 2014, 5:15 pm via Twitter Web Client  3  1
Interested in digital preservation of [#CulturalHeritage](#)? Sign up for [#dchrp](#) Newsletter! 1st issue coming soon. [goo.gl/ScTx5t](#)



Dch-rp @dchrp July 2, 2014, 3:15 pm via Hootsuite  3  1
On July 7-11 in Vienna, [@APARSENproject](#) hosts the 2nd Digital Preservation Advanced Practitioner Course. Info at: [ow.ly/yravK](#)

Picture 17 – Tweets most retweeted

★ Tweets most favored

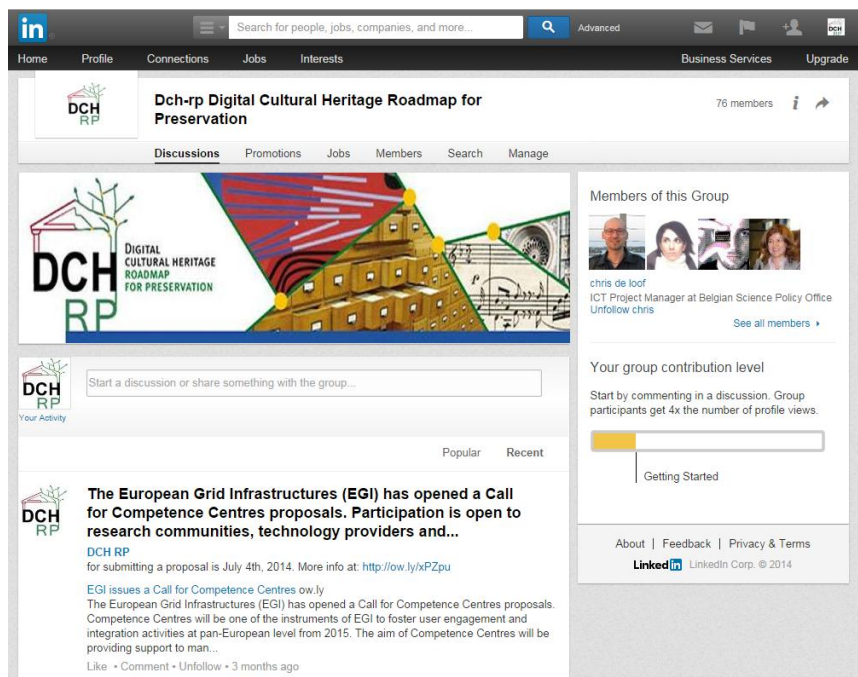


Picture 18 – Tweets most favored

5.3 LINKEDIN

The LinkedIn platform is different from the other social networks. With a well-defined target, it's a powerful tool to establish connections and professional relations.

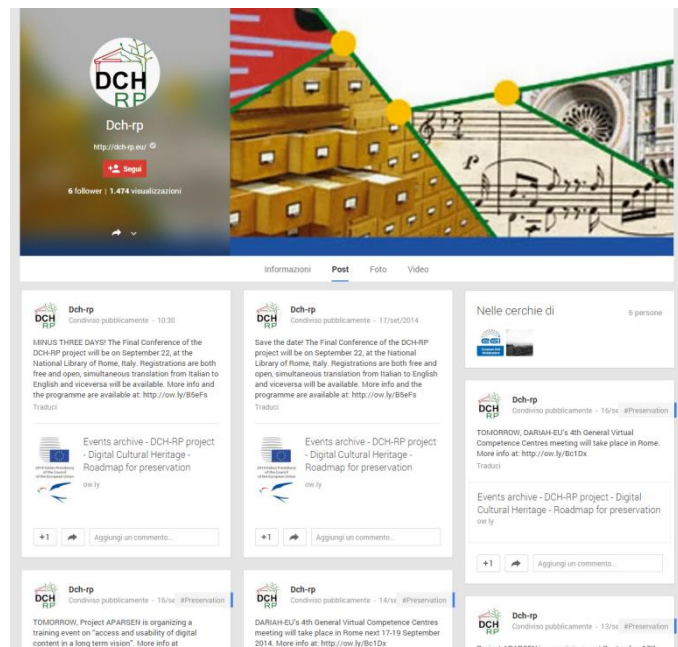
Our strategy was to create a group for all interested professionals to join, and in which we disseminated the contents of the website, at a rate of up to three posts per week. The group was launched alongside other channels and reached 76 members, which also interacted with the other members of the community, sharing their own thoughts and events related to the field.



Picture 19 – Screenshot of the DCH-RP LinkedIn group page

5.4 GOOGLE+

The Google+ page was launched alongside the other social network pages and was regularly updated with up to three posts per week. Unfortunately, the page has only reached 6 followers, despite having 1,474 visualisations of all posts, because of the overall low importance of this social media platform.



Picture 20 – Screenshot of the DCH-RP Google+ page

6 PROMOTIONAL MATERIAL

Promotional material, first mentioned in D2.3.1, is here described in more detail, highlighting how it has been produced, distributed and disseminated. Promotional material (logo, presentations, factsheet, brochure, poster) has been produced in print versions (brochure and poster) and online versions (all material).

6.1 FACTSHEET



Picture 21 – Factsheet of the project

The factsheet is structured in two page: it provide a clear, concise and overall view about the project and its objectives. It is available online at the project website <http://www.dch-rp.eu/index.php?en/66/promotional-material>

6.2 TEMPLATE FOR PRESENTATIONS

The template arranged for PowerPoint presentations of the DCH-RP project shows in its headline the following logos:

- Seventh Framework Programme (FP7)
- e-infrastructure activity
- European commission
- DCH-RP project

In the lower right, it is possible to insert the logo of the institution that has produced the presentation. The template is available online in the reserved area of the project website.



Picture 22 – Template PPT presentation

6.3 BROCHURE

The brochure aims to give a general overview of the main outcomes of the DCH-RP project. It is structured in several sections, which give useful information on the different aspects of the project to stakeholders, experts and the general public.

The brochure has been produced in a 2,000-copy printed version (A5 format, 25x21cm) and in a web version (high and low resolution) on the DCH-RP website. The printed copies have already been disseminated at conferences and workshops and other relevant events.



Picture 23 – DCH-RP Brochure

The brochure comprises 11 full colour pages with images, with content as follows:

- Summary
- The project
- Background
- Related projects
- Objectives
- Outcomes
- Activities
 - Preservation Roadmap WP3

- Case studies and best practices WP4
- Proofs of concept WP5
- DCH-RP website
- A show-case on Digital Meets Culture.net
- Target audience
- Partners

In February 2014, an additional 1,000 copies of this brochure were printed and sent to the partners. On this occasion the pages that contained the screenshots of the website and the showcase (pp. 8-9) were updated in order to show the new content available from the homepages.



Picture 24 – Updated pages

6.3.1 Translation of brochure into other languages

As mentioned in D2.3.1, “Dissemination material is produced in English. Each partner may translate the promotional material in his own native language(s).”¹⁴

Thanks to the cooperation provided by the partners, the brochure has been translated into three languages, in addition to English. The brochure is available in the French, Hungarian and Italian languages. ICCU has edited the graphic layout for all these languages¹⁵.



Picture 25 – French translation

¹⁴ Deliverable D2.3.1, 1.1 Objectives of the deliverable, page 6 of 21.

¹⁵ All the brochures are available at the following address: <http://www.dch-rp.eu/index.php?en/66/promotional-material>



Picture 26 – Hungarian translation



Picture 27 – Italian translation

6.4 POSTER

The poster summarizes the main goal of the project giving a general overview and the outcomes of the project, highlighting the activities carried out by the Work Packages planned in the project.

The poster has been produced in a 200-copy full colour, printed version (60x80cm) and in web versions (high and low resolution) on the DCH-RP website. Posters were submitted, among other events, at the TERENA Networking Conference (TNC) on June 3-6, in Maastricht, the Netherlands (<https://tnc2013.terena.org/core/poster/2>), and at PV2013 in Frascati, Italy.

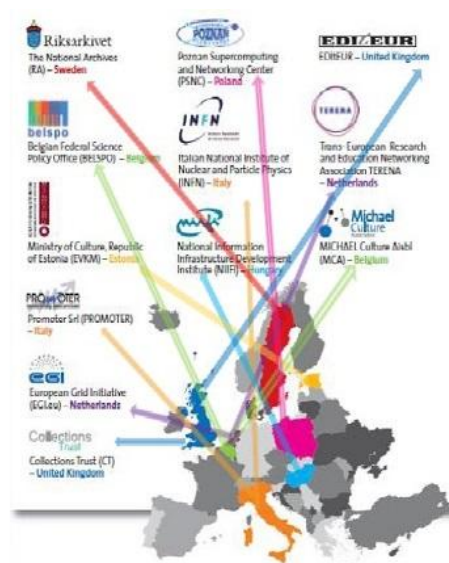
A special section on the poster session has been created in project website (see section 4.1.1).



Picture 28 – DCH-RP Poster

6.5 REPORT ABOUT THE DISTRIBUTION OF DISSEMINATION MATERIALS

A first significant distribution of posters and brochures was carried out in 2013 for a total of 13 shippings between Italy and elsewhere in Europe. A second big distribution took place in 2014 when the brochure was reprinted. Throughout the project, shipping on demand was also carried out on the occasion of specific conferences, meetings and workshops.



Picture 29 – Distribution of dissemination materials¹⁶

¹⁶ Detail from Slide “Patrizia Martini (ICCU), WP2 Dissemination and sustainability Promotional material”, DCH-RP 3rd PLENARY MEETING, Valletta, September 23rd-24th, 2013.

6.6 BOOKLET

Two main publications were produced in the last months of the project: a general purpose booklet which will be the core part of the final report and a handbook/guide focused on the Roadmap for Preservation of digital cultural content.

The aim of the booklet is to present to a wider audience the main outcomes of the project, e.g. the Roadmap for Preservation, the Registry of Services and Tools, the Proof of Concepts, the results of the analysis on trust building and on the engagement with the commercial/publishing sector, etc.

The new booklet (printed in 500 copies) has been created to disseminate the final results of the project to a wide public: it was created by the DCH-RP project in A4 format and a new graphic layout with new colours and new images that evoke the idea of advanced technologies combined with cultural heritage.

Another innovation is the integration of the little graphic boxes named “key points”, in which the themes described in every chapter are summed up in short sentences and brief definitions, to help the reader in focusing on the main concepts. The booklet has been created with the cooperation of the partners who have provide texts, suggestions and proposals.

The booklet has 28 pages and is subdivided into six chapters, as follows:

- The DCH-RP
 - o Impact and Objectives
 - o Target Audience
- An e-Infrastructure for preserving Digital Cultural Heritage
 - o Digital cultural heritage challenges
 - o Benefits of using e-Infrastructure for distributed digital preservation
- DCH-RP Activities
 - o Preservation Roadmap
 - o Registry of Services for digital preservation purposes
 - o Case studies and best practices
 - o Case study on Authentication and Authorization system
 - o Partnership with publishers and journals preservation agencies
 - o Proofs of Concept
 - o E-Culture ScienceGateway
- e-Infrastructure Concertation workshop
- Dissemination of project outcomes
 - o DCH-RP website
 - o A show-case on Digital Meets Culture.net
- Partners

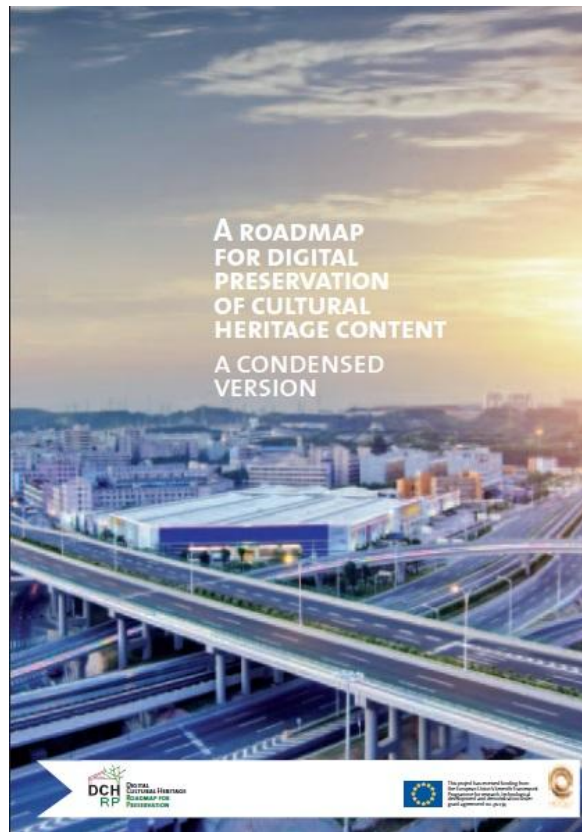


Picture 30 – Booklet cover

6.7 LEAFLETS ON THE ROADMAP AND ON THE REGISTRY OF TOOLS AND SERVICES

For a better exploitation and dissemination of the results achieved, we have produced two information leaflets explaining the two main outcomes of DCH-RP: the Roadmap and the Registry.

The leaflet on the Roadmap provide a graphical guide of the Roadmap in the short, medium and long term. It includes a diagram illustrating, on a step-by-step basis, the action plan for cultural institutions to implement a distributed digital preservation architecture relying on e-Infrastructure.



Picture 31 – Leaflet “A Roadmap for Digital Preservation of Cultural Heritage Content – A Condensed Version”

SHORT TERM / 2014-2015

A short term action plan is proposed by DCH-RP project in order to initiate the development of a preservation services infrastructure.



Picture 32 – Condensed version of the Roadmap in the short term

MID TERM / 2016-2017

Summarize priorities, decisions and considerations made during the short-term stage into a Preservation as a Service (PaaS).

STEP 1

WHERE ARE WE IN 2 YEARS FROM NOW
AND WHICH ARE THE NEXT STEPS

Summarise priorities, decisions and considerations made during the short-term stage into a Preservation as a Service (PaaS) adjusted to conditions and needs of the institution in mind.

STEP 2

TAKE FURTHER ACTIONS
IN IDENTIFIED MAJOR AREAS
OF THE ROADMAP

Harmonise data storage and preservation

- Transform the PaaS into solid technical solutions
- Test these technical solutions in DCH environment with focus on the following parameters:
 - Long-term storage, bit-level preservation
 - Multiple entry points
 - Operational benefits
 - VRE development
 - Support framework
 - Middleware services
 - Authentication and authorisation infrastructure
- Investigate possibilities for sharing technical solutions with other services.

Improve interoperability

- Develop and test tools facilitating interoperability addressing the following aspects:
 - Technical
 - Semantic
- Decide about what to preserve.

Establish conditions for cross-sector integration

- Fill in gaps in cross-sector integrations according to needs identified at the end of the short-term stage.
- Introduce a programme for raising awareness about distributed digital preservation targeting different stakeholders like owners and managers of digital collections and holdings and their staff as well as policymakers

Governance models for infrastructure integration

- Make solid analysis of needs for redesign of existing internal infrastructure in order to get it effectively integrated with solutions for distributed digital preservation services
- Define a set of governance principles for digital preservation in DCH aiming at e-infrastructure integration

STEP 3

PLAN FOR WORK DURING
THE LONG-TERM STAGE

Picture 33 – Condensed version of the Roadmap in the medium term

LONG TERM / 2018 and beyond

TAKE FURTHER ACTIONS IN IDENTIFIED MAJOR AREAS OF THE ROADMAP

HARMONISE DATA STORAGE AND PRESERVATION

Consolidate mature requirements for preservations in the DCH environment

IMPROVE INTEROPERABILITY

Implement tools, developed and tested in earlier stages, in selected e-infrastructures facilitating interoperability aspects in the technical and semantic field.

ESTABLISH CONDITIONS FOR CROSS-SECTOR INTEGRATIONS

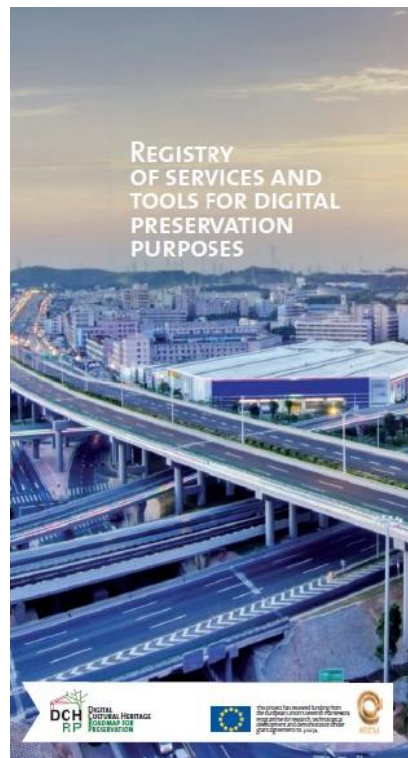
Fill in remaining gaps in cross-sector integration according to needs identified in earlier stages.

GOVERNANCE MODELS FOR INFRASTRUCTURE INTEGRATION

Offer mature business model for preservation services for different types of institutional settings

Picture 34 – Condensed version of the Roadmap in the long term

The leaflet on the Registry is a useful instrument for its sustainability. The users are in fact invited to participate actively to the updating and the ranking of the tools and services.



Picture 35 - Leaflet "Registry of Services and Tools for digital preservation purposes"

DCH-RP tools-registry

DCH-RP tools-registry v.4 standards

Created by [macko](#) on June 4, 2014 and based on the [DCH-RP tools-registry](#) data set.

Inspect | Embed

Category

1 ☒

2 file processing tool ☒

1 search/indexing tool ☐

Content type

1 ☒

2 audio ☒

2 database ☐

1 databases, documents ☐

3 disk images ☐

2 disk images, binary data ☐

15 documents ☐

Usage

1 comparison ☐

1 conversion, metadata extraction, metadata assignment ☐

Status

1 maintained ☐

1 unknown ☐

2 filtered from 139 originally (Reset All Filters)

sorted by: Name, then by... • ☒ grouped as sorted

BWF MetaEdit ([link](#))

NameBWF MetaEdit

Web<http://bwmetaedit.sourceforge.net/>

Categoryfile processing tool

FunctionalityEmbedding, editing, and exporting of metadata in Broadcast WAVE Format (BWF) files. Enforce metadata guidelines developed by the Federal Agencies Audio-Visual Working Group, the European Broadcasting Union (EBU), Microsoft, and IBM.

Content typeaudio

Usageconversion, metadata extraction, metadata assignment

OAIS stageingest

Standards

-metadata

Standards

-text

Standards

-image

Standards

-audio

Standards

-video, TV

OAIS stage: ingest

1 no ☐

2 yes ☒

OAIS stage: data management

2 no ☐

OAIS stage: archival storage

2 no ☐

OAIS stage: access

2 no ☐

Picture 36 – The DCH-RP Registry

6.8 HANDBOOK

The handbook/guide on the roadmap will present its final version in a simple and effective way, easily understood by all the stakeholders of the project, from the memory institutions to the e-infrastructure providers. It represents the most important and durable result of the project and it aims to become a reference document for the years to come. It is aiming to provide an overview

of the problems connected with the digital preservation of cultural heritage data and to illustrate which are the main missing parts to enable the sector to address these issues. The DCH-RP Roadmap will then offer a map to move towards the concept of open science in the arts and humanities.

A dedicated web page has been prepared in the DCH-RP showcase on Digitalmeetsculture (<http://www.digitalmeetsculture.net/heritage-showcases/dch-rp/dch-rp-roadmap-for-preservation/>), where it is possible to download the digital version of the Handbook to send feedback and comments by filling in an on-line form.

7 EVENTS AND CONFERENCES

DCH-RP partners participated during the project in several conferences in European countries and, in some cases, beyond Europe.

A large number of DCH-RP presentations were made and partners took part in many third-party events. In these events, the DCH-RP representatives participated to disseminate information about the project to important target audiences. In some cases, the DCH-RP presentations were included in the program of the event.

Two types of events have characterised the dissemination activities of DCH-RP: the events organised by the project or jointly by DCH-RP and third parties in order to show the goals originally set and later the main outcomes achieved; and conferences organized by third parties to spread news of the activities carried out by the project.

Of the former events, the most important was the E-infrastructure Concertation workshop, held in Tallinn, Estonia on April 23rd-24th, 2014,¹⁷ in which a considerable number of stakeholders were invited to present their own ideas and suggestions on the Roadmap to Preservation (see also D4.3 – Report on e-Infrastructure Concertation). A dedicated section on the DCH-RP website was created for the presentations held during the workshop.¹⁸

Other notable events were: the DCH-RP workshop, organised in the EGI Community Forum 2014 frame, in cooperation with other European projects and with the Open Planets Foundation (May 20th, 2014 in Helsinki, Finland);¹⁹ two workshops in cooperation with EUDAT (June 3rd-4th, 2014 in Stockholm, Sweden);²⁰ and a workshop on Sustainability of Digital Preservation on EU Policy Level, organised in conjunction with the JCDL/TPDL 2014 Conference and in cooperation with SCAPE, APARSEN and many other projects (September 8th, 2014 in London, UK).²¹

Of the latter events, among the most important ones were these: the EGI-APARSEN workshop on managing, computing and preserving big data for research (April 4th-6th, 2014, in Amsterdam, the Netherlands);²² participation in the TICAL 2014 Conference, in cooperation with CHAIN-REDS (May 26th-28th, 2014 in Cancun, Mexico);²³ the CIDOC 2014 Conference (September 6th-11th, 2014, in Dresden, Germany);²⁴ lastly, discussions are ongoing about the possibility of presenting the DCH-RP Roadmap at the e-AGE 2014 Conference in Oman, organized by ASREN, the Arab association of e-Infrastructures.²⁵

¹⁷ <http://www.digitalmeetsculture.net/article/dch-rp-e-infrastructure-concertation-workshop/>

¹⁸ <http://www.dch-rp.eu/index.php?en/133/e-infrastructure-concertation-workshop>

¹⁹ <http://www.digitalmeetsculture.net/article/e-infrastructures-for-data-preservation-and-curation-egi-cf-2014-helsinki/>

²⁰ <http://www.digitalmeetsculture.net/article/joint-dch-rpeudat-workshops-on-digital-preservation/>

²¹ <http://www.digitalmeetsculture.net/article/digital-preservation-sustainability-on-the-eu-policy-level/>

²² <http://www.digitalmeetsculture.net/article/workshop-on-managing-computing-and-preserving-big-data-for-research/>

²³ <http://www.digitalmeetsculture.net/article/tical2014-conference/>

²⁴ <http://www.digitalmeetsculture.net/article/dch-rp-cidoc-2014-conference/>

²⁵ <http://www.digitalmeetsculture.net/article/e-age-2014-intercontinental-connectivity-of-the-pan-arab-network/>

A full list of events organized by and/or related to DCH-RP project is available in Annex C.

8 ADVOCACY PAPERS

The Advocacy Papers (APs) focus on each target group of the DCH-RP project by focusing on key elements of awareness linked to each of them.

The set of APs written during the project is an important element of the communication and dissemination plan but also for the sustainability of the project. Their dissemination is from national to European and international level.

The advocacy programme – strategic plan and implementation – has drawn on the activities of WP2 to ensure that relevant and full use has been made of DCH-RP results. Moreover the community of common interest set up by the project was taken into account in the advocacy programme, using the APs also as instruments to speak to and obtain feedback from the people we enter into contact with (see D2.2.2).

The Advocacy Papers are accessible on-line through the DCH-RP platform, Digitalmeetsculture portal, Michael Culture (MCA) website and partners websites.

The list of complete Advocacy Papers produced during the project is available in Annexes E, F, G, H, I.

1 MESSAGES

In order to reach our goals, it has been very important to identify the key messages for each target audience. To do so, we have planned to use the results of the project and to work closely with each WP leader of the project.

Messages were deemed to be clear and focused on different levels regarding each target: political, economical, professional arguments.

8.1.1. Advocacy materials

The same approach has been implemented for advocacy materials. It was necessary to provide different sets of advocacy material for each target audience regarding their specific concerns. Narratives were focused on each target concern and have also contained a general overview of DCH-RP preservation issues and stakeholders.

The following communication tools could be used for each target group:

- Email lists
- Attendance and participation at events and conferences
- Organization of events by DCH-RP partners
- Video conferencing facilities
- Communication tools:
 - Briefing papers
 - Leaflets
 - Posters and other printed materials
 - Wiki pages
 - Presentations

- Useful links
- Short Interviews of partners in the DCH-RP project

The set of advocacy papers was produced during the second part of the project.

2 AUDIENCES

Main target groups for the dissemination activities of DCH-RP project were key players in the value-chain of the DCH sector:

- Funding bodies (EC, national bodies)
- Content providers and copyright holders
- E-Infrastructure providers

All of these were target audiences for advocacy papers. In order to be more efficient, it proved useful to organize advocacy papers into 3 levels of audiences: primary audience (i.e. decision makers and programme owners), secondary audience (i.e. content providers and end-users, and tertiary audience (i.e. e-Infrastructure and R&D institutions).

8.2.1 First audience: DCH institutions

The **primary** target audiences were the decision makers, regarding policy and implementation, at local, regional, national and European levels. The aim was to convince them to develop politics and programs using e-infrastructures.

The Advocacy Papers produced for ***DCH institutions*** are:

- **1st Proof of Concept**
 - Support material: report of the 1st Proof of Concept D5.3: M15, in order to favor DCH institutions participation.
- **Roadmap, intermediate version**
 - Support material: synthesis of the Roadmap focusing on needs for content providers.
 - Networking and consultation during specific events and conferences, external or organized by the project at national and European levels.
- **Short interviews of WP leaders** of the project explaining the benefits for cultural institutions in using e-infrastructure
 - Interviews during the plenary meeting and dissemination in March 2014.²⁶
- **Roadmap, final version**
 - Presentation focusing on their needs.
 - Opportunities offered by infrastructures focus on infrastructure as a service (IAAS), based on the e-culture science gateway demonstrator.
 - Communication during final conference of the project and then via professional mailing lists and specialized media.

²⁶ See section 4.1.1.

8.2.2 Second audience: decision makers and programme owners

The **secondary** target audiences were those who directly benefited from the project results and could influence decision makers. They included content providers (i.e. national institutions, small institutions, private and public publishers) and end-users (i.e. researchers in humanities), who use digital objects for research and teaching.

The aim was to explain to them how the use of e-infrastructure would be beneficial to them.

The Advocacy Papers produced for ***decision makers and programme owners*** are:

- **Roadmap, final version**
 - Focus on aims for decision makers.
 - Networking and consultation during specific events, during the Final Conference of the project and, after the end of the project, through secondary audiences and partners of the project.

8.2.3 Third audience: e-infrastructure and R&D institutions

The **third** target audiences were e-infrastructure and R&D institutions active in digital preservation. The aim was to reinforce their awareness on the needs of DCH, and also to involve themselves and to participate to raise awareness among politics and institutions.

The Advocacy Papers produced for ***e-infrastructure and R&D institutions*** are:

- **Roadmap, final version**
 - Presentation focusing on their needs showing that it will enable them to open up new market for their services.
 - Networking and consultation during the Final Conference of the project and then via professional mailing lists and specialized media.

9 DCH-RP FINAL CONFERENCE

The final conference of DCH-RP project was held in Rome on September 22nd, 2014.

The event, organised by the Central Institute for Union Catalogue (ICCU) in collaboration with the National Central Library of Rome under the umbrella of the Italian EU Presidency, took place in the National Library.

During the first part of the day the Roadmap for preservation of digital cultural heritage and the main outcomes of the project were presented.

In the second part of the day there was a round table discussion, on the topic “From the Roadmap to its implementation”, it was attended by various experts from cultural institutions, research, e-infrastructure providers and publishers.

The programme of the conference was published on the project website. During the conference, a simultaneous translation service (Italian-English/English-Italian) was provided to assist in understanding for the international audience.

The event has been widely promoted and reported through different channels:

- Sending of individual invitations through emails
- Wide diffusion of a press release
- Articles on on-line newspapers and news agencies (see “La Stampa” and “ADN-KRONOS” in the list below)
- Publication on institutional websites
- Dissemination through social networks
- Dissemination through mailing lists and newsletters (e.g. AIB-CUR mailing list and SAN newsletter)

Over one hundred and sixty people registered to the conference and approximately one hundred and ten actually attended. Participants came from variety of backgrounds including cultural institutions, archives, SMEs, libraries, e-infrastructure providers and universities. A number of dissemination materials created by the project, including leaflets and brochure, were distributed during the conference.

English	DCH-RP	09/2014	Preservation as an e-infrastructure service: a Roadmap for digital cultural heritage – Final Conference of DCH-RP
English	DigitalMeetsCulture	09/2014	Preservation as an e-infrastructure service: a Roadmap for digital cultural heritage
Italian	La Stampa	09/2014	Beni culturali: il 10 per cento è già digitale, ora avanti con Cloud, Grid, banda larga e 3D
Italian	ADNKRONOS	09/2014	Beni culturali: il 10% digitalizzati, ora avanti con cloud e grid
English	DCH-RP Newsletter	08/2014	DCH-RP Newsletter – August 2014
Italian	Newsletter SAN	09/2014	Conferenza conclusiva del progetto i DCH-RP (Digital Cultural Heritage Roadmap for Preservation)

Italian	DATABENC	09/2014	Beni culturali: il 10% è su piattaforme digitali
Italian	GARR	09/2014	Conferenza finale del progetto DHC-RP Digital Cultural Heritage Roadmap for Preservation
Italian	Regione Abruzzo. Cultura	09/2014	Conferenza internazionale La conservazione come servizio offerto dalle infrastrutture digitali: una Roadmap per il patrimonio culturale digitale - Conferenza finale del progetto europeo DCH-RP
Italian	DGBID	09/2014	A ROMA, LA FASE FINALE DEL DIGITAL CULTURAL HERITAGE ROADMAP FOR PRESERVATION – DCH-RP
Italian	MIBACT	09/2014	CONFERENZA INTERNAZIONALE. Preservation as an e-infrastructure service: a Roadmap for digital cultural heritage – Final Conference of DCH-RP
English	ICCROM	09/2014	Preservation as an e-infrastructure service: a roadmap for digital cultural heritage: Final Conference of DCH-RP
Italian	CulturaItalia	09/2014	Una Roadmap per la conservazione del patrimonio culturale digitale
Italia	InternetCulturale	09/2014	CONFERENZA FINALE PROGETTO DCH-RP
Italian	ICCU	09/2014	Final conference of DCH-RP
Italian	BNCR	09/2014	La conservazione come servizio offerto dalle infrastrutture digitali: una Roadmap per il patrimonio culturale digitale – Conferenza finale del progetto europeo DCH-RP
English	Associazione per l'Informatica Umanistica e la Cultura Digitale	09/2014	Preservation as an e-infrastructure service: a Roadmap for digital cultural heritage – Final Conference of DCH-RP
English	PREFORMA – DigitalMeetsCulture	09/2014	PREFORMA presented at DCH-RP Final Conference

10 CONCLUSIONS

The dissemination activities of DCH-RP have attained the objectives stated in Work Package 2 namely to make the information gathered by the project available to the widest possible audience, to encourage cultural heritage actors, including cultural ministries, publishers and agencies, to engage with e-Infrastructures and to examine the delivery of innovative and effective services for storage and long-term preservation through DCH-RP's main outcomes – the Roadmap and the Registry of Services and Tools. To support these objectives we have created and delivered dissemination materials, such as the project website, brochures organized two international conferences also collaborated with other projects, in order to raise attention and contribute to the coordination and dissemination of ideas related to e-Infrastructures.

Our participation in a large number of events for dissemination and networking purposes, together with other encounters and bi-lateral meetings, has stimulated the discussion and innovation concerning the challenge of creating a preservation infrastructure targeted at DCH data.

The project has increased awareness of DCH preservation in the different communities, involving the consortium in active participation in networks and initiatives. Thanks to these activities and the participation in numerous dissemination events, DCH-RP has increased the size of its network of common interest and stakeholder consultation by building links between cultural institutions, academic and research communities, e-infrastructure providers and the private sector, demonstrating the benefits of partnership.

In particular, discussions with public institutions (memory institutions, academic organizations, research centers) has clearly defined their needs and requirements in terms of digital preservation services. Discussion with content providers, e-infrastructures and the private sector (including commercial publishers) has stimulated their interest in the project.

The events organized by the project (e.g. the concertation meeting held in Tallinn and all the others events listed in Annex C) have been very important in order to create, increase and make aware a community interested in the activities carried out by the project, first of all, the Roadmap for preservation of digital cultural heritage.

As reported, the work and outcomes of the project have been disseminated to a wide range of audiences through multiple channels of dissemination, including the project website, the showcase on DigitalMeetsCulture, social networks and the project newsletter.

This document demonstrates that the web communication channels utilised for the project, have progressively improved, the contents provided has grown and the numbers of users have increased.

In addition, work package WP2 also created a range of more conventional materials, including a brochure, posters and a booklet that were distributed at relevant conferences, workshops and other events. Perhaps most importantly for the longer term, the group created the handbook intended to explain and disseminate information on the Roadmap itself and to provide a lasting record of the project's work.

In conclusion the final conference of the project, held on September 22nd, has demonstrated a wide participation from different sectors, including universities, cultural institutions, e-infrastructure providers and researchers (both as invited speakers and as attendees interested in the topic of the meeting).

This demonstrates that our dissemination activity has reached many different communities and also that we have gone some way toward communicating the purposes and of outcomes of the project as originally foreseen. As the project comes to an end, it can be fairly stated that “DCH-RP” has become a well-known name and concept in the world of digital preservation.

11 ANNEX A – DISSEMINATION METHODS

The following table schematises the methods employed by DCH-RP to disseminate its activities and its outcomes. In particular:

- The first column lists the type of methods selected within the project;
- The second column lists for which purpose a certain method is considered appropriate;
- The third columns gives suggestions
- The fourth column lists practical references
- The fifth column includes tasks carried out by partners.

METHOD	PURPOSE	SUGGESTIONS	REFERENCES	Task for partners
Project website	Raise Awareness Inform Engage Promote	The project website is one of the most versatile dissemination tools. It should 'speak' to different audiences in the appropriate language.	http://www.dch-rp.eu/getFile.php?id=60	Partners are advised to send all their relevant information and documentation to enrich the project website and to be shared by all.
Partners' institutional websites		Pages or dedicated pages on these websites are important to disseminate the project's results at national level and to direct traffic towards the project website.		Partners are encouraged to create and improve information on the DCH-RP project on their own websites.

Digital Meets Culture		Online magazine in a sector-specific publication to address European digital cultural heritage sector.	http://www.digitalmeetsculture.net	Promoter creates and disseminates relevant information on DCH-RP and on European digital cultural heritage sector.
Partners and experts blogs, working groups, collaborative tools social networks	Raise Awareness Inform Engage Promote	Collaborative tools (databases, repositories, archives, wiki, discussion forum, dedicated mailing lists), are useful for discussing new developments, problems, and issues at national, European and international level. They are also further instruments of dissemination and are an opportunity to be proactive and reactive, share one's knowledge with the community.	http://wiki.egi.eu/wiki/DCH-RP:Main_Page http://indico.egi.eu/indico/categoryDisplay.py?categId=87 http://documents.egi.eu/secure/ListBy?topicid=45 http://forum.egi.eu/viewforum.php?f=27&sid=fe56ac135d5854823f9becc4bf	Many collaborative tools are already available on e-Infrastructures and are used by partners (i.e. running of WP5 PoCs). Opening up the wiki to partners and experts interested in specific issues.
Promotional material	Raise Awareness	Promotional material gives a general overview, main outcomes of DCH-RP project. Circulation and dissemination of promotional material at meetings and events in printed and on line versions is an important dissemination method.	http://www.dch-rp.eu/index.php?en/66/promotional-material	Dissemination of DCH-RP promotional material has been distributed at target and professional events. All promotional material is available for customisation and will be translated into other languages.
Conference presentations	Inform Engage Promote	National and international conferences, target events, are an excellent opportunity to share the network's achievements with experts	Events archive on: http://www.dch-rp.eu/index.php?en/1/home http://www.digitalmeetsculture.net	Partners' presentations have an impact, and attract the experts they want to speak to.

		in the field and stakeholders.		
Conference posters	Inform	Posters presented in events where delegates attend the session are an excellent way to attract one-to-one feedback.	Poster submission	Poster session at TERENA Networking Conference (TNC) 2013 and PV2013
Workshops	Inform Engage	Workshops are small interactive events held to achieve a specific objective. A workshop could be used to receive feedback from users on a demo or on a particular issue. The emphasis here would be in order to open up discussion to inform future development.	Events archive on: http://www.dch-rp.eu/index.php?en/70/events-archive http://www.digitalmeetsculture.net	
Journal articles	Raise Awareness Inform Promote	Partners are encouraged at every opportunity to author articles on the DCH-RP project. During the project partners may wish to contribute to electronic newsletters, blogs, portals.	http://www.digitalmeetsculture.net	Partners are advised to include references to the DCH-RP results. They are encouraged to send a copy of any article in order to publish on DCH-RP Web site.

12 ANNEX B – DCH-RP DISSEMINATION AUDIT

The aim of this audit was to collect information about partners' dissemination contacts and the news or information channels that the institutions were involved in and/or considered relevant for DCH-RP.

Partner	Contact person	Email
ICCU		
RA		
BELSPO		
EVKM		
CT		
PROMOTER		
EGI.eu		
INFN		
PSNC		
NIIFI		
EDItEUR		
TERENA		
MCA		

Associations or projects relevant to DCH-RP Please give the contact person from DCH-RP as well as the details of contacts at the external project or association.	
Name of the Project or Association	Contact people and their email address(es)

National and International events/seminars relevant to DCH-RP Please give the name, the date, the place and the link to the program – if available-	
Event	Contact people and their email address(es)

Mailing lists Please give the details of any mailing lists that you are a member of and would be willing/able to use to distribute notices from DCH-RP.	
Name of mailing list and URL (if it has one)	DCH-RP member

National and International publication (traditional or electronic) relevant for publishing articles on DCH-RP Please give the name and the link of the publication and eventually the title of an article on DCH-RP project and activities	
Name of publication (title of the article)	Contact people and their email address(es)

Social media channels If you are active in Twitter, LinkedIn, Facebook or academic channels please give the details.	
Twitter	DCH-RP member (give your user name in the media channel, and/or people or groups to follow)
Facebook	

Linked In	
Other channel	

Other media channels, such as newsletters, web sites, portals, press contacts	
Media channel	DCH-RP contact

Other suggestions	
Suggestion	DCH-RP contact

These documents were also available on line in the reserved area of DCH-RP website (section work packages).

DCH-RP National and International Events

File Edit View Insert Format Document Table Contents/Outline Help L'ultima modifica è stata effettuata 27 minuti fa da [nome] Google

National and international events
Please insert details of any conference, workshop or other dissemination event where you presented DCH-RP during 2014. Please include also a note to explain the type of dissemination activity and whether this was a national or international event.

We will use this information to update the calendar of events on the project website and for the project newsletter and for reporting to the Commission. Please, email us also copies of presentations and papers.

Note: Do NOT insert any publication of articles, interviews and press releases in this table. For those, please refer to [this table](#).

Date	Place and Country	Event	Web site	Partner
11/30-31/2014	Pavia, Italy	10th Italian Research Conference on Digital Libraries - IRI2014, 2014	http://iri2014.dcu.unipd.it/home	CCU
03/21/2014	Roma, Italy	L'Università degli Studi di Roma Tor Vergata in Horizon 2020: sfide, strumenti e opportunità per il patrimonio culturale	http://web.unroma2.it/modules.php?name=Content&action=showpage&conn_id=16399&section_id=228	CCU
03/14/2014	Roma, Italy	Seminario "Europa Creativa: il contributo dell'Università alla progettazione della nuova dimensione culturale europea"	http://www.lettere.univroma2.it/veranstaltungen/europa-creativa-il-contributo-dell-universita-alla-progettazione-della-nuova	CCU

Picture 37 – Screenshot of Google document for dissemination activities

13 ANNEX C – MEETINGS AND EVENTS

This annex provide the lists of the events organized by DCH-RP project (**PLENARY MEETINGS AND PUBLIC EVENTS**) and the list of the events organized by third parties where the project has been presented (**DISSEMINATION EVENTS**).

13.1 PLENARY MEETINGS AND PUBLIC EVENTS

The meetings organised by DCH-RP project have been very important in building the community and to consult with cultural institutions, e-infrastructure providers and stakeholders.

This is the list of the project plenary meetings and other public events organised by the project during the project.

PLENARY MEETINGS AND PUBLIC EVENTS				
Meeting	Venue	Date	Participants	Details
2012 (October – December)				
DCH-RP Kick-off meeting	Rome, Italy	08/10/2012	All the partners of the project	http://www.dch-rp.eu/index.php?en/70/events-archive/2/roma-dch-rp-kick-off-meeting
2013 (January – December)				
DCH-RP Second Plenary Meeting	Venice, Italy	14-15/02/2013	All the partners of the project	http://www.dch-rp.eu/index.php?en/70/events-archive/7/venezia-dch-rp-second-plenary-meeting http://www.digitalmeetsculture.net//article/dch-rp-second-plenary-meeting-in-venice/

<p>In the context of EGI Community Forum 2013</p> <p>DCH-RP has organized the workshop "Digital Cultural Heritage: state of the art and future developments"</p>	Manchester, UK	10/04/2013		<p>https://indico.egi.eu/indico/sessionDisplay.py?sessionId=33&confId=1222#20130410</p> <p>http://www.digitalmeetsculture.net//article/egi-community-forum-2013/</p> <p>http://www.dch-rp.eu/?en/70/events-archive/4/manchester-egi-community-forum-2013</p>
<p>Webinar on the DCH-RP e-Culture Science Gateway</p>	Adobe Connect Virtual Room	24/06/2013		<p>http://www.dch-rp.eu/index.php?en/70/events-archive/21/webinar-on-the-dch-rp-e-culture-science-gateway</p> <p>http://www.digitalmeetsculture.net//article/webinar-on-the-dch-rp-e-culture-science-gateway/</p> <p>http://agenda.ct.infn.it/conferenceOtherViews.py?view=standard&confId=936</p>
<p>DCH-RP Plenary meeting</p>	Valletta, Malta	22-23/09/2013		
<p>Workshop "Digital preservation of cultural data" at the 2nd EUDAT Conference</p>	Rome, Italy	30/10/2013	<p>Technical experts, research communities, policy-makers, data scientists</p>	<p>http://www.digitalmeetsculture.net//article/digital-preservation-of-cultural-data/</p> <p>http://www.dch-rp.eu/index.php?en/70/events-archive/14/rome-eudat-2nd-conference</p>

Networking session “A virtual Research Community for the preservation of Digital Cultural Heritage” at ICT 2013 – Create, Connect, Grow	Vilnius, Lithuania	07/11/2013	Policy makers, representatives of companies, universities and research institutes worldwide working in the ICT sector	http://www.digitalmeetsculture.net//article/a-virtual-research-community-for-the-preservation-of-digital-cultural-heritage/ http://www.dch-rp.eu/index.php?en/70/events-archive/15/vilnius-ict-2013-create-connect-grow
2014 (January -September)				
DCH-RP Plenary meeting	Catania, Italy	20-21/01/2014	DCH-RP partners	http://dch-rp.eu/index.php?en/70/events-archive/31/catania-dch-rp-4th-plenary-meeting http://www.digitalmeetsculture.net//article/dch-rp-plenary-meeting-in-catania/
E-infrastructure concertation workshop	Tallinn, Estonia	23-24/04/2014	Memory institutions, e-infrastructure providers	http://www.digitalmeetsculture.net//article/dch-rp-e-infrastructure-concertation-workshop/ http://www.dch-rp.eu/index.php?en/70/events-archive/33/tallinn-a-concertation-meeting-to-discuss-the-dch-rp-roadmap-study http://www.dch-rp.eu/index.php?en/133/e-infrastructure-concertation-workshop
DCH-RP Plenary meeting	Tallinn, Estonia	25/04/2014	DCH-RP partners	
Workshop “e-infrastructures and services for data preservation and curation” at the EGI Community Forum 2014	Helsinki, Finland	20/05/2014	User communities	http://www.digitalmeetsculture.net//article/e-infrastructures-for-data-preservation-and-curation-egi-cf-2014-helsinki/ http://www.dch-rp.eu/index.php?en/70/events-archive/57/egi-cf-2014-workshop-e-infrastructure-and-services-for-data-preservation-and-curation

DCH-RP – EUDAT Workshops on Digital Preservation	Stockholm, Sweden	03-04/06/2014	<p>June 3rd: Cultural heritage institutions, mostly in Sweden</p> <p>June 4th: Institutions participating in DCH-RP proofs of concept and in EUDAT work on trust</p>	<p>http://www.digitalmeetsculture.net//article/joint-dch-rpeudat-workshops-on-digital-preservation/</p> <p>http://www.dch-rp.eu/index.php?en/70/events-archive/49/dch-rp-eudat-workshops-on-digital-preservation</p>
Workshop “Sustainability of Digital Preservation on EU Policy Level” at DL2014 Conference	London, UK	08/09/2014	Researcher, practitioners, librarians, publishers and their suppliers, developers, data managers	<p>http://www.digitalmeetsculture.net//article/digital-preservation-sustainability-on-the-eu-policy-level/</p> <p>http://www.dch-rp.eu/index.php?en/70/events-archive/55/workshop-digital-preservation-sustainability-on-the-eu-policy-level</p>
DCH-RP Final Conference	Rome, Italy	22/09/2014		http://www.dch-rp.eu/index.php?en/70/events-archive/66/preservation-as-an-e-infrastructure-service-a-roadmap-for-digital-cultural-heritage-final-conference-of-dch-rp
DCH-RP Plenary meeting	Rome, Italy	23/09/2014	DCH-RP partners	

13.2 DISSEMINATION EVENTS

The project partners gave a large number of presentations on DCH-RP and participated in many third party events. This is the list of the major events where the project has participated.

In these events, the DCH-RP representatives participated to disseminate information about the project to important target audiences. In some cases, the DCH-RP presentations were included in the program of the event.

DISSEMINATION EVENTS					
Partner	Event	Date	Location	Target Audience	Impact
2012 (October – December)					
EGI, RA	EUROMED 2012	29/10-03/11/2012	Limassol, Cyprus		Presentation of DCH-RP project http://www.dch-rp.eu/index.php?en/70/events-archive/3/limassol-euromed-2012 Conference proceedings http://www.digitalmeetsculture.net//article/euromed-2012-proceedings-and-conclusions-available/
ICCU	GARR-X network presentation	29/11/2012	Rome, Italy		Presentation of DCH-RP project http://www.dch-rp.eu/index.php?en/70/events-archive/10/rome-evento-di-lancio-della-rete-garr-x
2013 (January – December)					
ICCU	IRCDL 2013, 9 th Italian Research Conference on Digital Libraries	31/01-01/02/2013	Padua, Italy		Presentation of DCH-RP project http://www.dch-rp.eu/index.php?en/70/events-archive/32/italian-research-conference-on-digital-libraries-ircdl-2014 http://www.dch-rp.eu/index.php?en/68/presentations

ICCU	ARIADNE Kick off meeting	07/02/2013	Rome, Italy		<p>Presentation of DCH-RP project</p> <p>http://www.dch-rp.eu/index.php?en/70/events-archive/9/rome-ariadne-advanced-research-infrastructure-for-archaeological-dataset-networking-in-europe</p>
PROMOTE R	2013 TELDAP INTERNATIONAL CONFERENCE	14-16/03/2013	Taipei, Taiwan		<p>Presentation of DCH-RP project project</p> <p>http://www.dch-rp.eu/index.php?en/70/events-archive/11/taipei-2013-teldap-international-conference</p> <p>http://www.digitalmeetsculture.net//article/2013-teldap-international-conference/</p>
INFN, PROMOTE R	International Symposium on Grids and Clouds (ISGC) 2013	17-22/03/2013	Taipei, Taiwan		<p>Abstract</p> <p>http://www.dch-rp.eu/index.php?en/70/events-archive/6/taipei-international-symposium-on-grids-and-clouds-isgc-2013</p> <p>http://www.digitalmeetsculture.net//article/grids-and-clouds-symposium-in-taipei-isgc-2013/</p>
GARR	5 th Federated identity management for research communities (FIM4R) Meeting	20-21/03/2013	Villigen, Switzerland		<p>Summary and presentation of DCH-RP project</p> <p>http://www.dch-rp.eu/index.php?en/70/events-archive/13/villigen-5th-fim4r-meeting-psi</p> <p>http://www.digitalmeetsculture.net//article/5th-federated-identity-management-for-research-communities-fim4r-meeting/</p>
CHAIN-REDS, eI4Africa and EGI-InSpire projects	The Catania Science Gateway Framework – EGI/CHAIN-REDS/eI4Africa Webinar	15/05/2013	Adobe Connect Virtual Room		<p>http://agenda.ct.infn.it/internalPage.py?pagelId=0&confId=905</p> <p>http://www.digitalmeetsculture.net/article/the-catania-science-gateway-framework-egichain-redsei4africa-webinar/</p>

ICCU, PSNC	TERENA Networking Conference (TNC) 2013	03- 06/06/2013	Maastricht, The Netherland s		Poster session http://www.dch-rp.eu/index.php?en/70/events-archive/5/maastricht-terena-networking-conference-tnc
ICCU	APEX – Archives Portal Europe network of excellence	26- 28/06/2013	Dublin, Ireland	Field experts, researchers and contributors from various institutes and diverse domains	Presentation of DCH-RP project http://www.dch-rp.eu/index.php?en/70/events-archive/12/dublin-apex-conference-building-infrastructures-for-archives-in-a-digital-world
INFN	Web course on the development of applications for Catania Science Gateways	9- 30/07/2013	Adobe Connect Virtual Room		http://www.dch-rp.eu/index.php?en/70/events-archive/20/web-course-on-the-development-of-applications-for-catania-science-gateways http://agenda.ct.infn.it/internalPage.py?pageld=1&confld=942
BELSPO. PROMOTE R, EGI	Egi Technical Forum 2013	16- 20/09/2013	Madrid, Spain		Presentation of DCH-RP project http://www.dch-rp.eu/index.php?en/70/events-archive/24/egi-technical-forum-2013 http://www.digitalmeetsculture.net//article/egi-technical-forum-2013/
ICCU	International Conference on Theory and Practice of Digital Libraries (TPDL) – TPDL 2013 – Satellite event “Research infrastructures in the Humanities Key Policy Issues”	25/09/2013	Valletta, Malta		

PROMOTE R	e-Infrastructures and Digital Libraries... the Future	26/09/2013			<p>Presentation of DCH-RP project</p> <p>http://www.dch-rp.eu/index.php?en/68/presentations</p> <p>http://www.digitalmeetsculture.net/article/einfrastructures-and-digital-libraries-the-future/</p>
EGI.eu, INFN	VAMP/REFEDS/FIM4 R 2013	29/09-03/10/2013	CSC, Espoo, Finland	Research Communities, Service Providers, Federation managers	<p>Future technical and policy requirements for research communities engaging in FIM</p> <p>http://www.digitalmeetsculture.net/article/vamp2013/</p> <p>Presentation</p> <p>http://www.dch-rp.eu/index.php?en/70/events-archive/25/vamp-2013-vo-architectural-middleware-planning-workshop</p>
ICCU	Il Patrimonio culturale digitale verso Horizon 2020	08/10/2013	Rome, Italy		http://www.iccu.sbn.it/opencms/opencms/it/archivionovita/2013/novita_0035.html
EDITEUR	Frankfurt Book Fair	09-13/10/2013	Frankfurt, Germany		Communicating DCH-RP objectives. Follow-up contacts with ALPSP, STM, FGEE, AIG, FEP, Springer, UK Publishers' Association and others.
EDITEUR	Preservation, Trust and Continuing Access for e-Journals	30/10/2013	London, UK	Collections managers, librarians, curators, archivists, IT managers in memory institutions, records managers in institutions with a need for long-lived data, CIO's	<p>Presenting DCH-RP</p> <p>Follow-up with contacts at EDINA, CLOCKSS, e-Depot of the KB etc.</p> <p>http://www.dpconline.org/events/details/67-eJournals-Oct-2013</p>

				in organisations with commercial intellectual property, students and researchers in information science, research data management and related fields	
PROMOTE R, PSNC, Belpo	e-Infrastructure Reflection Group (e-IRG) Workshop	04-05/11/2013	Vilnius, Lithuania	e-Infrastructure European experts	<p>Presentation of DCH-RP project</p> <p>http://www.digitalmeetsculture.net//article/open-e-irg-workshop-to-discuss-infrastructures-and-e-infrastructures/</p> <p>http://www.dch-rp.eu/index.php?en/70/events-archive/26/vilnius-open-e-irg-workshop</p>
PROMOTE R	Ensuring Long-Term Preservation and Adding Value to Scientific and Technical Data” – PV 2013 ESA-ESRIN	04-06/11/2013	Frascati, Italy	Scientific and research communities	<p>Poster session</p> <p>http://www.digitalmeetsculture.net//article/pv-2013-conference/</p> <p>http://www.dch-rp.eu/index.php?en/70/events-archive/23/pv-2013-ensuring-long-term-preservation-and-adding-value-to-scientific-and-technical-data</p>
EDITEUR	Charleston Conference of librarians and publishers	06-09/11/2013	Historic Downtown Charleston, South Carolina, USA	Information industry players: companies, librarians, publishers, vendors.	<p>Networking and publicizing DCH-RP.</p> <p>Follow-up with potential partners.</p> <p>http://www.katina.info/conference/</p>
ICCU	Convegno AIUCD	12/12/2013	Padua,	Researchers,	Presentation of DCH-RP project, 80 participants

	"Ricerca collaborativa e piattaforme condivise per l'Informatica umanistica"		Italy	digital library experts, cultural institutions	http://aiucd2013.dei.unipd.it/it/programma
2014 (January – September)					
PROMOTE R	Conference "Horizon2020 Research Infrastructure Programme 2014-15 with focus on e-Infrastructure"	13-14/02/2014	Brussels, Belgium	Research infrastructure community	Presentation of the project New contacts established
RA, BELSPO, PROMOTE R	APARSEN-EGI Community Workshop on managing, computing and preserving big data for research	04-06/03/2014	University of Amsterdam, The Netherlands	Members of the APARSEN-EGI community Organisations and projects involved in preservation of big data	Presentation of the project and of the DCH use case Strengthened collaboration with APARSEN New contacts established Knowledge on infrastructure and business models for preserving big and complex data http://www.digitalmeetsculture.net/article/workshop-on-managing-computing-and-preserving-big-data-for-research/
ICCU	Conference "Horizon 2020: challenges, tools, and opportunities for Cultural Heritage"	21/03/2014	Faculty of Engineering, University of Tor Vergata, Rome, Italy	Researchers, experts, students	Presentation of the project
PROMOTE	Chalmers Initiative	25-	Gothenbur	Top-level	Presentation of the project and of the big data in DCH

R	Seminar on Big Data	26/03/2014	g, Sweden	researchers from the Nordic area, global hi-tech industries	http://www.digitalmeetsculture.net//article/chalmers-initiative-seminar-on-big-data/
PROMOTE R	Encounter with Giunti publisher	31/03/2014	Florence, Italy	Representatives of the Italian publishing sector	Presentation of the project and discussion about how Giunti publisher can be involved in DCH-RP
TERENA, EGI	TERENA AAI Workshop	02/04/2014	Brussels, Belgium	Memory institutions, e-infrastructure providers, EC-funded projects	Presentation of the project http://www.digitalmeetsculture.net//article/terena-aai-workshop/
PROMOTE R	ICRI2014 – 2 nd International Conference on Research Infrastructures	02-04/04/2014	Athens, Greece	Research infrastructures community	A presentation of the project have been prepared but the travel was cancelled due to a last-minute strike of the main European airline companies http://www.digitalmeetsculture.net//article/icri2014-2nd-international-conference-on-research-infrastructures/
TERENA, EGI	TERENA networking Conference	19-22/05/2014	Dublin, Ireland	Representatives of global e-Infrastructure community	http://www.digitalmeetsculture.net//article/terena-networking-conference-2014-networking-with-the-world/ http://www.dch-rp.eu/index.php?en/70/events-archive/56/terena-networking-conference-2014-tnc2014-networking-with-the-world
PROMOTE R, RA, BELSPO, PSNC, EGI	EGI Community Forum 2014	19-23/05/2014	Helsinki, Finland	e-Infrastructure experts, User Communities	http://www.digitalmeetsculture.net//article/egi-community-forum-2014/ http://www.dch-rp.eu/index.php?en/70/events-archive/34/egi-community-forum-2014
MCA	Participation to a meeting organized by	26/05/2014	Paris, France		Presentation of DCH RP and agenda

	French ministry of Culture for the ministry and cultural institutions, Dariah and MCA				
INFN	TICAL 2014 Conference	26-28/05/2014	Cancun, Mexico	Community of ICT directors of the Latin American universities, ICT companies.	http://www.digitalmeetsculture.net//article/tical2014-conference/ http://www.dch-rp.eu/index.php?en/70/events-archive/58/tical-2014-conference
MCA	Meeting with European institution •EUNIC (European network of cultural diplomacy) •CAE (Culture Action Europe) •Representation of French regions in Brussels	06/2014	Brussels, Belgium		presentation of DCH RP
CT	Open Culture	25-26/06/2014	London, UK	Cultural Heritage professionals & system providers	Spoke to many attendees of the conference, and in particular the system providers about the project. Interest about the final Roadmap when available
MCA	Conference about Cultural Heritage and European	02/07/2014	Paris, France		Presentation of DCH RP project and agenda

	programmes organized by French ministry of Culture for cultural institutions				
MCA	H2020 French contact points	09/2014	Paris, France		Presentation of DCH RP
CT	CIDOC 2014 Conference	06-11/09/2014	Dresden, Germany	Experts from museums around the world	Presentation of DCH-RP http://www.digitalmeetsculture.net//article/dch-rp-cidoc-2014-conference/ http://www.dch-rp.eu/index.php?en/70/events-archive/67/dch-rp-cidoc-2014
PROMOTE R, RA, EGI, EDITEUR	JCDL/TPDL 2014 Conference	08-12/09/2014	London, UK	Researcher, practitioners, librarians, publishers and their suppliers, developers, data managers	http://www.digitalmeetsculture.net//article/combined-conference-jcdl-tpdl-2014/ http://www.dch-rp.eu/index.php?en/70/events-archive/55/workshop-digital-preservation-sustainability-on-the-eu-policy-level

14 ANNEX D – ARTICLES, NEWS AND EVENTS

This Annex provide a list of articles, news and events published on:

- DCH-RP showcase on Digital Meets Culture
- DCH-RP website (Events and News section)
- External link

14.1 DCH-RP SHOWCASE ON DIGITAL MEETS CULTURE

Language	When	Where	What
ENG	10/2012	Digital Meets Culture	DCH-RP
ENG	10/2012	Digital Meets Culture	A new project for e-infrastructures dedicated to digital cultural heritage in Europe
ENG	10/2012	Digital Meets Culture	TPDL 2013: 17th International Conference on Theory and Practice of Digital Libraries
ENG	10/2012	Digital Meets Culture	How EGI is supporting digital cultural heritage
ENG	11/2012	Digital Meets Culture	The 4th Euro-Mediterranean conference on Digital Cultural Heritage
ENG	11/2012	Digital Meets Culture	India for digital preservation
ENG	01/2013	Digital Meets Culture	5th Federated identity management for research communities (FIM4R) Meeting
ENG	01/2013	Digital Meets Culture	International Symposium on Grids and Clouds (ISGC) 2013
ENG	02/2013	Digital Meets Culture	DCH-RP Second Plenary Meeting in Venice
ENG	03/2013	Digital Meets Culture	2013 Teldap International Conference
ENG	03/2013	Digital Meets Culture	Grids and Clouds symposium in Taipei (ISGC 2013)

ENG	04/2013	Digital Meets Culture	EGI Community Forum 2013 in Manchester
ENG	04/2013	Digital Meets Culture	5th Federated identity management for research communities (FIM4R) Meeting
ENG	05/2013	Digital Meets Culture	PV 2013 Conference
ENG	05/2013	Digital Meets Culture	The Catania Science Gateway Framework – EGI/CHAIN-REDS/el4Africa Webinar
ENG	06/2013	Digital Meets Culture	Webinar on the DCH-RP e-Culture Science Gateway
ENG	06/2013	Digital Meets Culture	The DCH-RP e-Culture Science Gateway joins IDEM and eduGAIN
ENG	06/2013	Digital Meets Culture	VAMP2013
ENG	07/2013	Digital Meets Culture	Web course on the development of applications for Catania Science Gateways
ENG	07/2013	Digital Meets Culture	A Virtual Research Community for the Preservation of Digital Cultural Heritage
ENG	08/2013	Digital Meets Culture	e-IRG's White Paper 2013 published
ENG	08/2013	Digital Meets Culture	Science Gateway Institute Workshop at IEEE Cluster 2013 Conference
ENG	09/2013	Digital Meets Culture	Digital Preservation of cultural data
ENG	09/2013	Digital Meets Culture	eInfrastructures and Digital Libraries... the Future
ENG	09/2013	Digital Meets Culture	EGI Technical Forum 2013
ENG	09/2013	Digital Meets Culture	Authentication and Authorisation Infrastructures for Scientific Data in Europe
ENG	10/2013	Digital Meets Culture	Digital Preservation of cultural data @ EUDAT, Rome
ENG	10/2013	Digital Meets Culture	PV 2013 Conference

ENG	10/2013	Digital Meets Culture	The digital cultural heritage towards Horizon 2020
ENG	10/2013	Digital Meets Culture	Open e-IRG Workshop to discuss Infrastructures and e-Infrastructures
ENG	10/2013	Digital Meets Culture	An African e-Infrastructure for Virtual Research Communities and their Applications
ENG	10/2013	Digital Meets Culture	Parallel Semantic Search Across Multiple Repositories
ENG	11/2013	Digital Meets Culture	A Virtual Research Community for the Preservation of Digital Cultural Heritage @ ICT 2013, Vilnius
ENG	11/2013	Digital Meets Culture	EUDAT 2013 conference in Rome
ENG	11/2013	Digital Meets Culture	The Smithsonian x3D Explorer launched!
ENG	12/2013	Digital Meets Culture	DCH-RP and EUDAT: a joint bet!
ENG	12/2013	Digital Meets Culture	New cooperation agreement between DCH-RP and CHAIN REDS
ENG	12/2013	Digital Meets Culture	DCH-RP features in SCAPE Newsletter
ENG	01/2014	Digital Meets Culture	DCH-RP plenary meeting in Catania
ENG	01/2014	Digital Meets Culture	Enabling Users: Options for Joining eduGAIN
ENG	01/2014	Digital Meets Culture	EUDAT Call for Collaboration Projects
ENG	01/2014	Digital Meets Culture	iPRES 2014 Conference
ENG	01/2014	Digital Meets Culture	MoU between DCH-RP and ARIADNE
ENG	02/2014	Digital Meets Culture	SCAPE Consultation: Digital preservation – what to monitor and how?
ENG	02/2014	Digital Meets Culture	Workshop on Managing, Computing and Preserving Big Data for Research

ENG	02/2014	Digital Meets Culture	E-infrastructures and services for data preservation and curation @ EGI CF 2014, Helsinki
ENG		Digital Meets Culture	DCH-RP e-Infrastructure Concertation Workshop
ENG	03/2014	Digital Meets Culture	TERENA AAI Workshop
ENG	03/2014	Digital Meets Culture	Chalmers Initiative Seminar on Big Data
ENG	03/2014	Digital Meets Culture	APARSEN webinar on Storage Solutions for Digital Preservation
ENG	03/2014	Digital Meets Culture	MoU between DCH-RP and SCAPE
ENG	03/2014	Digital Meets Culture	Joint cooperation between DCH-RP and APARSEN
ENG	03/2014	Digital Meets Culture	ICRI2014 – 2nd International Conference on Research Infrastructures
ENG	03/2014	2013 TELDAP Special Issue of the International Journal of Humanities and Art Computing (IJHAC)	Digital Cultural Heritage Roadmap for Preservation
ENG	04/2014	Digital Meets Culture	MoU between DCH-RP and OPENAIRE
ENG	04/2014	Digital Meets Culture	APARSEN/SCAPE project Satellite Event – Long term accessibility of digital resources in theory and practice
ENG	04/2014	Digital Meets Culture	EUDAT 3rd User Forum – Horizon2020 opportunities and Community collaboration
ENG	04/2014	Digital Meets Culture	Joint DCH-RP/EUDAT workshops on digital preservation
ENG	04/2014	Digital Meets Culture	A new registry of services and tools for digital preservation
ENG	04/2014	Digital Meets Culture	SCAPE Project Demonstration Days

ENG	04/2014	Digital Meets Culture	DCH-RP e-Infrastructure Concertation Workshop
ENG	05/2014	Digital Meets Culture	School for Application Porting to Science Gateways
ENG	05/2014	Digital Meets Culture	Digital preservation sustainability on the EU policy level
ENG	05/2014	Digital Meets Culture	TERENA Networking Conference 2014: Networking with the World
ENG	05/2014	Digital Meets Culture	TICAL2014 Conference
ENG	05/2014	Digital Meets Culture	DCH-RP @ CIDOC 2014 Conference
ENG	05/2014	Digital Meets Culture	SCAPE Project Demo & Information Days Agenda
ENG	06/2014	Digital Meets Culture	CHAIN-REDS bi-annual e-Newsletter
ENG	06/2014	Digital Meets Culture	Succeed survey on content/tools licensing and innovative usages
ENG	06/2014	Digital Meets Culture	Digital Preservation at Cultural Heritage Institutions in Sweden
ENG	06/2014	Digital Meets Culture	Tools for uncovering preservation risks in large repositories
ENG	07/2014	Digital Meets Culture	Investing in Opportunity: Policy Practice and Planning for a Sustainable Digital Future
ENG	07/2014	Digital Meets Culture	Digital Preservation Advanced Practitioner Course 2014
ENG	07/2014	Digital Meets Culture	e-AGE 2014 Intercontinental Connectivity of the Pan Arab Network
ENG	07/2014	Digital Meets Culture	Succeed in digitisation. Spreading excellence
ENG	08/2014	Digital Meets Culture	MoU between DCH-RP and SUCCEED

ENG	09/2014	Digital Meets Culture	EGI Conference on Challenges and Solutions for Big Data Processing on Cloud
ENG	09/2014	Digital Meets Culture	Guidelines for digitization and data preservation
ENG	09/2014	Digital Meets Culture	APA Conference – Launch of the Centre of Excellence
ENG	09/2014	Digital Meets Culture	Safeguarding our Scientific, Educational and Cultural Heritage
ENG	09/2014	Digital Meets Culture	Preservation as an e-infrastructure service: a Roadmap for digital cultural heritage
ENG	09/2014	Digital Meets Culture	Cooperation Agreement bewteen DCH-RP and SCIDIP-ES

14.2 EVENTS AND NEWS PUBLISHED ON DCH-RP WEBSITE

14.2.1 EVENTS

Language	Where	What
ENG	DCH-RP website	Roma: DCH-RP Kick-off meeting
ENG	DCH-RP website	Limassol: EUROMED 2012
ENG	DCH-RP website	Rome: Evento di lancio della Rete GARR-X
ENG	DCH-RP website	Egi Technical Forum 2013
ENG	DCH-RP website	Rome: IRCDL 2013, 9th Italian Research Conference on Digital Libraries
ENG	DCH-RP website	Rome: ARIADNE (Advanced Research Infrastructure for Archaeological Dataset Networking in Europe)
ENG	DCH-RP website	Venezia: DCH-RP Second Plenary Meeting
ENG	DCH-RP website	Taipei: International Symposium on Grids and Clouds (ISGC) 2013
ENG	DCH-RP website	Villigen: 5th FIM4R Meeting PSI
ENG	DCH-RP website	Manchester: EGI Community Forum 2013
ENG	DCH-RP website	Maastricht: TERENA Networking Conference (TNC)
ENG	DCH-RP website	Webinar on the DCH-RP e-Culture Science Gateway

ENG	DCH-RP website	Dublin: APEx Conference "Building infrastructures for archives in a digital world"
ENG	DCH-RP website	Web course on the development of applications for Catania Science Gateways
ENG	DCH-RP website	Valletta: TPD 2013. 17th International Conference on Theory and Practice of Digital Libraries
ENG	DCH-RP website	Valletta: DCH-RP Third Plenary Meeting
ENG	DCH-RP website	VAMP 2013 Vo Architectural Middleware Planning Workshop
ENG	DCH-RP website	Rome: EUDAT 2nd Conference
ENG	DCH-RP website	Vilnius: Open e-IRG Workshop
ENG	DCH-RP website	PV 2013 Ensuring Long-Term Preservation and Adding Value to Scientific and Technical Data
ENG	DCH-RP website	Vilnius: 'ICT 2013 – Create, Connect, Grow'
ENG	DCH-RP website	Italian Research Conference on Digital Libraries – IRCDL 2014
ENG	DCH-RP website	SPIRL 2014 – Call for submissions
ENG	DCH-RP website	Catania: DCH-RP 4th Plenary Meeting
ENG	DCH-RP website	EGI Community Forum 2014
ENG	DCH-RP website	Digital Collection Contexts: Intellectual and Organizational Functions at Scale Full-day workshop at iConference

ENG	DCH-RP website	EUDAT Training on fundamentals of Data Infrastructures
ENG	DCH-RP website	SCAPE training course on "Preserving Your Preservation Tools" (Package Managment)
ENG	DCH-RP website	ICRI 2014
ENG	DCH-RP website	AAI Workshop
ENG	DCH-RP website	The Fourth IDEM Convention
ENG	DCH-RP website	3rd EUDAT User Forum
ENG	DCH-RP website	Tallinn, a concertation meeting to discuss the DCH-RP Roadmap study
ENG	DCH-RP website	The 8th Workshop on Language Technology for Cultural Heritage, Social Sciences, and Humanities (LaTeCH 2014)
ENG	DCH-RP website	Archiving 2014
ENG	DCH-RP website	European Identity & Cloud Conference 2014
ENG	DCH-RP website	22nd EBLINDA – NAPLE Conference
ENG	DCH-RP website	Best practice for the Fruition and Promotion of Cultural Heritage: EAGLE & Wiki Loves Monuments
ENG	DCH-RP website	TERENA Networking Conference 2014 (TNC2014): Networking with the World
ENG	DCH-RP website	EGI CF 2014, Workshop: E-infrastructure and services for data preservation and curation

ENG	DCH-RP website	APARSEN/SCAPEproject Satellite event
ENG	DCH-RP website	IFLA Presindent's Meeting
ENG	DCH-RP website	TICAL 2014 Conference
ENG	DCH-RP website	DCH-RP – EUDAT Workshops on digital preservation
ENG	DCH-RP website	School for Application Porting to Science Gateways
ENG	DCH-RP website	Euroscience Open Forum i2014
ENG	DCH-RP website	APARSEN webinar: interoperability of Persistent Identifier
ENG	DCH-RP website	SCAPE project Demo & Information Days
ENG	DCH-RP website	EGI issues a Call for Competence Centres
ENG	DCH-RP website	APARSEN Digital Preservation Advanced Practitioner Course 2014
ENG	DCH-RP website	DARIAH-EU VCC2 Workshop
ENG	DCH-RP website	Call for Proposals: Digital Preservation 2014
ENG	DCH-RP website	80th IFLA General Conference Call for Papers
ENG	DCH-RP website	International conference on "Investing in Opportunity: Policy and Planning for a Sustainable Digital Future"

ENG	DCH-RP website	GridKa School – Big data, Cloud Computing and Modern Programming
ENG	DCH-RP website	CIDOC 2014 – Dresden Call for Papers
ENG	DCH-RP website	Workshop: Digital preservation sustainability on the EU policy level
ENG	DCH-RP website	DL (JCDL and TPD) 2014: ACM/IEEE Joint International Conference on Digital Libraries CALL FOR PAPER
ENG	DCH-RP website	DCH-RP @ CIDOC 2014
ENG	DCH-RP website	APARSEN "Access and Usability in Digital Preservation" Training
ENG	DCH-RP website	DARIAH 4th General VCC meeting
ENG	DCH-RP website	Call for Papers for VAST2014 Conference
ENG	DCH-RP website	1st International Workshop on Big Data in Digital Cultural Heritage
ENG	DCH-RP website	Preservation as an e-infrastructure service: a Roadmap for digital cultural heritage – Final Conference of DCH-RP

14.2.2 NEWS

Language	When	Where	What
ENG	01/2013	DCH-RP website	The DCH-RP e-Culture Science Gateway joins IDEM and eduGAIN

ENG	01/2013	DCH-RP website	DCH-RP Questionnaire
ENG	10/2013	DCH-RP website	A study on Authentication and Authorisation Platforms for Scientific Resources in Europe – AAA Study
ENG	10/2013	DCH-RP website	Il patrimonio Culturale Digitale verso Horizon 2020
ENG	10/2013	DCH-RP website	Parallel Semantic Search Across Multiple Repositories
ENG	12/2013	DCH-RP website	Knowing SCAPE Project
ENG	12/2013	DCH-RP website	Horizon 2020's first call
ENG	12/2013	DCH-RP website	RDA is looking for Organisational Members
ENG	12/2013	DCH-RP website	Creative Commons 4.0: it's here!
ENG	12/2013	DCH-RP website	e-IRG's White Paper 2013 published: Europe needs a e-Infrastructure Commons
ENG	01/2014	DCH-RP website	Memorandum of Understanding between DCH-RP and ARIADNE project
ENG	02/2014	DCH-RP website	EUDAT and DCH-RP for putting cultural Institutions in the driving seat of e-infrastructure
ENG	04/2014	DCH-RP website	Read the Library of Congress Digital Preservation Newsletter
ENG	05/2014	DCH-RP website	Online-Survey to improve the "Registry of Services & Tools"
ENG	05/2014	DCH-RP website	Survey on Partnerships Between Publishers & Cultural Heritage Institutions
ENG	05/2014	DCH-RP website	DCH-RP project: Proofs of Concept
ENG	08/2014	DCH-RP website	DCH-RP Questionnaire on the intermediate version of Roadmap for Preservation
ENG	09/2014	DCH-RP website	Digisam releases its Guiding Principles in English

14.3 EXTERNAL MENTIONS AND LINKS

Language	Where	When	What
English	Luleå University of Technology	10/2012	DCH-RP Digital Cultural Heritage – Roadmap for Preservation
Svenska	DIGISAM	11/2012	Digital Cultural Heritage Roadmap for Preservation
English	DIGISAM BLOG	11/2012	DCH-RP Digital Cultural Heritage Roadmap for Preservation
Italian	CulturalItalia	02/2013	Con Ariadne l'archeologia entra nel mondo dell'e-science
Svenska	DIGISAM	12/2013	DCH-RP Digital Cultural Heritage Roadmap for Preservation
Svenska	DIGISAM	03/2014	Roadmap' för långsiktigt bevarande tas fram
English	Open Planet Foundation Paul Wheatley's blog	04/2014	News from COPTR and DCH-RP on digital preservation tool registries
English	SCAPE	04/2014	Memorandum of Understanding with DCH-RP
French	Ministère de la Culture et de la Communication	06/2014	Le projet DCH-RP "Digital cultural heritage, roadmap for preservation"
English	SUCCED	08/2014	Succeed establishes cooperation agreements with PREFORMA and DCH-RP
Italian	TAFTER	07/2014	Istituzioni: fino al 4 agosto consultazione sulla conservazione a lungo termine del patrimonio culturale digitale
Italian	AICI	07/2014	Invito alla consultazione pubblica sulla conservazione a lungo termine del patrimonio culturale digitale
English	Conservation DistList Archives	07/2014	Survey on Digital Cultural Heritage Roadmap for Preservation

15 ANNEX E – ADVOCACY PAPER – FIRST PROOF OF CONCEPT

DCH-RP: Digital Cultural Heritage Roadmap for preservation

Advocacy Paper – Engage participation of cultural institutions in the design of an e-infrastructure for digital cultural heritage preservation

DEVELOPING AN E-INFRASTRUCTURE FOR PRESERVATION OF DIGITAL CULTURAL HERITAGE (DCH): STAKES AND GOALS

The DCH sector is producing a large volume of Digital content, which needs to be safely stored, accessed and easily re-used.

The objective of the DCH-RP project is to implement a federated infrastructure dedicated to support the application of an open science in the arts and humanities, exploiting what already exists and creating the parts that are not yet available. To achieve this goal, coordination and harmonisation are necessary at European and international level, between DCH and e-infrastructure stakeholders.

However, one of the main gaps remains the lack of vision on a common and international e-infrastructure suitable to serve the ICT needs of the DCH community in an efficient and accurate manner. This advocacy paper aims at involving the DCH community in the design of this vision, by engaging its participation to the project activities.

1ST CHALLENGE: PRESERVATION

The first step towards the e-infrastructure for DCH is to implement an infrastructure for preservation of DCH, as preservation is one of the most challenging problems.

Cultural institutions are still mostly unaware of the e-infrastructure possibilities, favouring in-house preservation systems, which contributes to the lack of interoperability and fragmentation of resources. There are commonalities among the national preservation strategies which need to be addressed in common and in a coordinated manner among the member states of the UE and internationally, to share solutions and contribute to interoperability and openness, which could be beneficial and cost effective to all.

This is a main challenge also for the e-infrastructure community, which would enable them to provide services to a wide variety of stakeholders, opening up new markets.

Preservation is here approached as the combination of preserving digitised and born-digital content, as well as the information associated to that content, the *infostructure*, or metadata, at

short, medium and long-term. The DCH-RP project will design a roadmap to be executed within future implementation projects.

USING PROOF OF CONCEPT TO VALIDATE THE ROADMAP

In that process, Proof of Concept will be used to validate in concrete experiments assumptions and concepts expressed in the DCH-RP roadmap for preservation. 3 themes were identified: organisational challenges, end user concerns, new services and infrastructure integration.

The Proofs of concept have a particular role to play in the project: indeed, they allow cultural institutions and e-infrastructure providers to work together on concrete experiments, and thus prepare future collaborations.

For each theme, specific scenarios were designed, presented in the Annex. Tools have been tested and recommendations made for their uses. The detailed results are available on the DCH-RP wiki: https://wiki.ehi.eu/wiki/DCH-RP:PoC_Phase_1

RESULTS OF THE FIRST PROOF OF CONCEPT

Besides the concrete technical results detailed in the Annex, this first phase of PoC has highlighted 3 main issues:

- The DCH community is still fragmented into national and local solutions and processes
- The technical success of PoC is not enough, what is important is the applicability and meaningfulness of the results for the roadmap
- There is a need to develop a DCH vision on a common and international e-infrastructure suitable to serve the ICT needs of this community in an efficient and accurate manner, to drive which tools and services need to be tested to support a roadmap aiming at achieving this vision. Thanks to the implementation of the Proof of Concept, DCH institutions and e-infrastructures providers have started to develop a common workflow, which will be reinforced in the second phase of the project.

Indeed, to tackle these issues, it is more than necessary to involve the DCH and e-infrastructures communities over Europe, through the building of a network of common interest and concertation and consultation activities.

This first phase of proof of concepts contributed also to the Registry of tools that has been developed in the Work Package dedicated to the Roadmap (<http://www.dch-rp.eu/index.php?en/114/registry-of-services-tools>), and it identified concrete metrics to be used for tools assessments:

- Easy installation
- Management
- Use of tools

In the framework of the 1st Proof of Concept, a survey has been designed, aiming at cultural institutions managers and system administrators / DCH curators. It will support the development of the DCH vision on e-infrastructure. The aim is to find out who can be the users, what services will be attractive to them, what kind of services they are adopting or are interested in using, and if they would like to join the activities carried out by the working group involved in the Proofs of Concept. The survey is accessible on line: <http://www.dch-rp.eu/index.php?pagelid=106&draft=0&sespre=MW>

A second phase of Proof of concept will be led by the project from January to August 2014, to improve the coverage of the scenarios. Participation and collaboration between DCH institutions and e-infrastructures providers will be key to ensure their success and relevance.

ANNEX: PRESENTATION OF THE ISSUES OF THE SCENARIOS, AND OF THE PROOF OF CONCEPT TESTED

SCENARIOS DESIGNED FOR THE PROOFS OF CONCEPT

1. Theme 1 – “Organisational challenges”

1. Use specialised DP tools on in-house data
2. Integrating a new tool into existing infrastructure
3. Select an existing DP solution at an institute with best effort IT support
4. Preservation from a consortium of collections on the cloud
5. Preserving a 3D visualisation
6. Retrieve archived data

2. Theme 2 – “End user concerns”

1. Researcher discovers a historical database
2. Research and select a tool serving a specific purpose
3. Accessing digitised content from schools
4. Gain access to archived websites

3. Theme 3 – “New services & infrastructure integration”

1. Proof of authenticity in distributed archiving
 - a) Extend 3.1 with repository safeguarding policies
2. Defining new services
3. Integrating new services into existing infrastructure

SCENARIOS TESTED FOR THE 1st PROOF OF CONCEPT

From February to September 2013, 6 PoC were led on the 2 first themes, through 7 identified prior scenario. They covered the following topics:

- Use specialised research tools
- Integrating a new tool into existing infrastructure
- Preservation from a consortium of collections on the cloud
- Select an existing DP solution in the case of an institution with only voluntary support
- Retrieve archived data
- Research and select a tool serving a specific purpose
- Gain access to archived websites

The scenarios and results are briefly presented below. More details can be found on https://wiki.eqi.eu/wiki/DCH-RP:PoC_Phase_1

- **SCENARIO ON ORGANISATIONAL CHALLENGES**

Scenario 1.1: Use specialised research tools – Belgium, KIK-IRPA: Belgium DCH organisations, Italy, ICCU

- **Issues:**

- Using external tools to manage local data
- Using tools that require data on e-infrastructure storage
- Access of data on remote e-infrastructure via the institute website
- Access to the data on remote e-infrastructures via social media

- **Proof of Concept:**

- Use existing tools and document the auditing process, on the local data of KIRK-IRPA and those of Italian partners
- Recommendations: “scoremodel” is a useful tool to test the integrity of a collection. It can be used in the roadmap.

Scenario 1.2: Integrating a new tool into existing infrastructure

- **Issues:**

- Embed a new tool in the existing preservation environment
- Run the tool from a cloud based service

Scenario 1.4: Preservation from a consortium of collections on the cloud

- **Issues:**

- Preservation of different data types
- Upload to the preservation storage from different locations
- Preservation of software tools developed for the preserved data
- Copyright and/or IPR issues at national and international levels
- **Proof of concept:** common to scenario 1.2 and 1.4 (Belgium, Italy)
 - Looking at preserving their data on an external e-infrastructure to find preservation solutions beyond the use of local storage
 - Use grid storage on EGI to store data and e-Culture Science Gateway (eCSG) to copy data from local store to grid store and to access the data afterwards.
 - Recommendations: the usability of the eCSG is limited to manually copy files onto an external storage and to fill the metadata manually.

Scenario 1.3: Select an existing DP solution in the case of an institution with only voluntary support:

- **Issues:**
 - Choosing a cost efficient solution for external preservation
 - Choosing a sustainable preservation solution
- **Proof of concept:** 4 tools for typical data preservation activities in a local institute, assessing these for potential pan-European usage were tested:
 - **ROND** (Riksarkivet Open Data): used to anonymise data sets before publication or further public usage

Recommendations: major limitation: requires a certain metadata model (ADDML), which is currently only used by Sweden and Norway. However, tools of this type could be very useful for publishing huge amounts of archival information as open data

- **Archivist's toolkit:** Open Source archive management system
Conclusion: installation was very complicated and beyond the expertise of a typical museum staff

- **XENA:** file conversion tool that automatically detects the file format of a given file and converting it into digital objects suitable for digital preservation.

Recommendations: very easy to use for batch conversion but the quality of results is not trustworthy

- **DSPACE:** the software for academic, non-profit, and commercial

organizations building open digital repositories DSpace preserves and enables easy and open access to all types of digital content including text, images, moving images, mpegs and data sets.

Recommendations: too complicated. However, there is now also a hosted service, DspaceDirect10, that may be investigated as an alternative.

Scenario 1.6: Retrieve archived data: test of existing tools in Estonia

- **IBM Tivoli Server Manager/Client Server Version 5, Release 5, Level 2.0:** client-server licensed product that provides storage management services in a multiplatform computer environment.

Conclusions: this tool requires advanced IT knowledge and expertise, even if the results are good.

- **SCENARIO ON END USER CONCERNS**

Scenario 2.2: Research and select a tool serving a specific purpose

- **Issue:** translation of formats
- **Proof of Concept:** testing format conversion tools:
 - o **AVS document converter 2.2:** converts files of source formats into files of target formats

Recommendations: should only be used when you want to convert small amounts of files

- o **AVS image converter 3.0:** converts files of source formats into files of target formats

Recommendations: adequate for conversion between JPEG and PNG; no appropriate for conversion into PDF

- o **Universal Document Converter (UDC):**printing service After installation you can choose UDC as the current printer when you want to convert a file

Conclusion: can not be used for large amounts of images or documents, since you have to convert each image individually

- o **A-PDF DjVu to PDF14:** fast, affordable utility to allow you to batch convert DjVu (.djvu, déjà vu) into professional-quality documents in the PDF file format.

Conclusion: tool not running on Windows 7 64 bit. this does not seem to be a good tool for the future, unless they make a 64-bit version, too.

Scenario 2.4: Gain access to archived websites

- **Issue:**

- Persistent identifiers

- **Proof of Concept:** five tools tested to gain access to and manage the content of archived websites.

- **HTTrack16:** free (GPL, libre/free software) and easy-to-use offline browser utility. To download a World Wide Web site from the Internet to a local directory, building recursively all directories, getting HTML, images, and other files from the server to the computer.

Recommendations: both easy to install and use, and good quality of the result. It should be a suitable tool for the downloading of web sites when the most important aim is to give easy access to end users. However, it remains to be investigated how good the downloaded format is for long-term preservation, and also how efficient the program is when many web sites are downloaded as a batch, simultaneously. For preservation, it would be useful to test all the different options that can be set for a download.

- **SWAT17** (Snappy Web Archiving Tool): tool designed for archiving web sites and displaying the archive in a simple way

Conclusions: The fact of having to download, unpack, and install, makes it doubtful if this tool can and/or should be managed by small institutions, that have only one or a few web sites to preserve and present for end-user access

- **WARC Tools:** to facilitate and promote the adoption of the WARC file format for storing web archives by the mainstream web development community by providing an open source software library, a set of command line tools, web server plug-ins and technical documentation for manipulation and management of web archive files, or WARC files.

Conclusion: installation failed

- **Web Curator Tool** (WCT): open-source workflow management application for selective web archiving.

Conclusion: installation failed

- **Heritrix20:** Internet Archive's open-source, extensible, web-scale, archival-quality web crawler project.

Conclusion: It is unclear if the tool can run on other platforms than Linux. According to the FAQ, this has been tried even if it is not supported. A benefit with this tool is that a lot of third-party products don't seem to be required (besides Linux, only Java Runtime Environment is mentioned). However, the installation instructions are not sufficient for an inexperienced user.

16 ANNEX F – ADVOCACY PAPER – ROADMAP, INTERMEDIATE VERSION

Advocacy paper – Intermediate version of the roadmap

Target: content providers and end-users like researchers / CH institutions

Digital preservation is a main stake for DCH institutions: they produce a large volume of data which needs to be safely stored, permanently accessed and easily re-used over time by different end users.

However, even if it has been identified as a key issue for DCH, there is a lack of best practices and common approaches. Member states are developing and implementing national preservation strategies, but there are many commonalities which could be addressed at European level.

Indeed, the DCH-RP project was designed to answer these needs, and to develop a roadmap to implement a federated preservation infrastructure for DCH, dedicated to support the application of open science in the arts and the humanities

Stakes:

- to make digital cultural heritage accessible and usable long term
- to contribute to the research capacities development of the DCH sector

What is digital preservation?

Digital preservation is defined as “a set of activities required to make sure digital objects can be located, rendered, used and understood in the future”²⁷. A more comprehensive term ‘digital curation’ is often used in parallel with digital preservation. It has a wider meaning and involves “maintaining, preserving and adding value to digital data throughout its life-cycle”²⁸

One of the main issues is to preserve usability of digital objects over time to overcome technology obsolescence.

How is digital preservation tackled by cultural institutions?

4 main strategies are currently used (Techno-centric, incremental, analytical, durable digital objects), the migration strategy – converting digital objects to new standardised file formats at the point of technical generation changes – being the dominant one. The use of e-infrastructure

²⁷ <http://www.digitalpreservationeurope.eu/what-is-digital-preservation/>

²⁸ <http://www.dcc.ac.uk/digital-curation/what-digital-curation>

could change this situation, easing digital preservation processes and reducing their costs, contributing to the general interoperability and openness of DCH data.

Why a roadmap for digital preservation?

Roadmaps are useful instruments to present the scope and coverage of an e-infrastructure. They are also frequently used within projects and institutions in the digital preservation domain. There is no roadmap on digital cultural heritage preservation. The DCH-RP project will build a roadmap, which should help policy makers and programme owners to plan ahead and assist managerial teams of cultural institutions in taking decisions related to digital preservation. It will support cultural heritage institutions in defining practical action plan with a realistic time frame for its implementation.

An intermediate version of the roadmap has been produced in January 2014, and will be completed until the end of the project, leading to a final roadmap in September 2014.

Why is it relevant for DCH sector to use e-infrastructures for digital preservation?

- Long-term preservation (i.e., bit-level preservation) and access to digital objects of different kind, also so called “live” content (e.g., streaming audio and video collections);
- Multiple entry-points that suit a variety of user interfaces (e.g. APIs, protocols);
- The DCH-community can focus on its own areas of specialisation by deploying new services for monitoring and management tools that ensure smooth and secure running of distributed operations;
- Forming a community of practice or a Virtual Research Community that transcends discipline and national boundaries while achieving economies of scale by bringing together international communities;
- Benefitting from integration within the research and educational e-Infrastructures support framework;
- Central hosting and monitoring of middleware services;
- Simple authentication and authorisation infrastructures for large (and potentially unbounded) user groups;
- Connections to shared services in other countries and sectors. (e.g., research data centres, commercial businesses, etc.).

How a federated e-infrastructure for DCH can be implemented?

DCH-RP proposes to exploit and integrate already existing e-infrastructures for research and academia (NRENs, NGIs and other data infrastructures), and to create only the parts which are not available. Existing e-infrastructures can be efficient channels also for services aimed at the digital cultural heritage sector for distributed digital preservation. Even if they are national entities, common policies, processes and protocols can be established to allow DCH institutions to access e-infrastructures.

What are the first recommendations of the roadmap?

The roadmap needs to focus on at least 4 areas presented below. For each area, the actions to take in the short-term (through 2014) are presented:

- Harmonisation of data storage and preservation: to integrate in common environments the curation of research data with other digital objects
- Improve interoperability: to integrate preservation requirement at all stages of digitisation and online access
- Cross-sector integration: to maximise successful solutions efficiency, knowledge and know-how transfer
- Governance models: to favour successful institutional participation in larger e-infrastructure initiatives, aggregation and re-use of digital resources.

How can stakeholders contribute to the roadmap?

In order to establish a roadmap answering to the stakeholders' needs, DCH-RP project will involve Cultural heritage institutions and e-infrastructures, through several means: workshops, events and conferences, questionnaires. It will combine bottom-up with top-down approaches, for a user-centric view that should foresee the implementation of the Roadmap to be based on requirements, development, testing and validation, from the digital cultural heritage community. The following consultation meeting will be in Tallinn, on April 23rd-24th, 2014, to discuss the results of the intermediate roadmap.

Want to know more?

- On line:

On the project: Visit the DCH-RP website: www.dch-rp.eu

On the intermediate version of the roadmap: <http://www.dch-rp.eu/getFile.php?id=221>

- Event:

E-infrastructures for data preservation and curation @ EGI CF 2014, Helsinki

Workshop organised by DCH-RP in the frame of the EGI Community Forum in Helsinki, 20th May 2014. Information: <http://www.digitalmeetsculture.net/article/e-infrastructures-for-data-preservation-and-curation-egi-cf-2014-helsinki/>

17 ANNEX G – ADVOCACY PAPER – ROADMAP, FINAL VERSION – DCH INSTITUTIONS

Advocacy paper – Final version of the Roadmap

Based on the Handbook

Target: cultural institutions

Digital preservation is a main stake for DCH institutions: they produce a large volume of data which needs to be safely stored, permanently accessed and easily re-used over time by different end users.

However, even if it has been identified as a key issue for DCH, there is a lack of best practices and common approaches. Member states are developing and implementing national preservation strategies, but there are many commonalities which could be addressed at European level.

Indeed, the DCH-RP project was designed to answer these needs, and to develop a roadmap to implement a federated preservation infrastructure for DCH, dedicated to support the application of open science in the arts and the humanities

Stakes:

- To make digital cultural heritage accessible and usable long term
- To contribute to the research capacities development of the DCH sector

A first European Roadmap for digital preservation

Roadmaps are useful instruments to present the scope and coverage of an e-infrastructure. They are also frequently used within projects and institutions in the digital preservation domain. There is no roadmap on digital cultural heritage preservation.

The DCH-RP project Roadmap aim is to provide a practical instrument to decision makers from all DCH community – policy makers, cultural institutions, e-Infrastructure providers.

It offers:

- An unique European overview of the challenges, the main obstacles, the needs regarding digital preservation
- Examples of existing solutions
- Recommendations for each target group

It provides a Roadmap with short term to long-term perspectives based on major and connected steps.

What are the main components of the Roadmap?

A need of agreement on shared basic consideration

The first step for the development and the sustainability of the Roadmap is the agreement / shared conviction of all stakeholders on 3 basic points:

- A vision of distributed digital preservation architecture
- Challenges to target
- The need of an explorative approach

Four Major areas to concentrate on

In order to provide a useful instrument both to policy makers and cultural institutions, 4 majors areas have been identified as priorities:

- Harmonisation of data storage and preservation
- Improved interoperability
- Establishment of conditions for cross-sector integration
- Governance models for infrastructure integration

Need for innovation of the internal workflow of DCH organisations

- Re-organise roles to embed digital preservation as a mandatory step for building digital resources
- Create new skills and competences: digital preservation has specific characteristics, different from the traditional way to preserve cultural artefacts
- Take decisions on services related to storage and computing resources, taking into account preservation requirements
- Advocate the need of digital preservation

Benefits for DCH sector to use e-infrastructure

- Common procedures and workflows reduce the costs (time and money), and contribute to general interoperability and openness of DCH scientific data
- Using e-infrastructure for preservation enables to deal with the following issues faced by DCH:
 - o Limited practical experience in preserving complex digital objects over time
 - o Access considerations
 - o Rights management
 - o Security
 - o Quality control

Recommendations for DCH institutions

- To build a trust in the e-infrastructures as providers of safe and secure services
- Thus, to renounce to the full control of where the data are stored
- Preservation and access components should be included in DCH institutions digitisation programmes
- Selection criteria are necessary to be agreed to identify priority areas of data that need to be preserved

- Training of the staff involved in digitisation, access and preservation projects is crucial for their success.

The Roadmap perspectives

The Roadmap perspective is based on strategic and operational steps, with a time frame with short-term (2014-2015) to medium and long-term perspectives (2016-2018 +) in order to be adaptable to all institutions

Short term 2014-2015

Step 1: agreement on shared basic consideration by stakeholders: on a vision, challenges to target, on the need of exploration

Step 2: actions on the 4 main areas of the Roadmap

Step 3: choose services to address according to functional areas, services types and objects, type of architecture, level of maturity, license conditions

Mid term (2016-2017)

Step 1: summarize priorities decisions and considerations taken during the short time period into a *Preservation as a Service (Praas)*

Step 2: take further actions in the identified 4 major areas of the Roadmap

Step 3: plan for work during the long-term stage

Long term (2018 and beyond)

Take further actions in the identified 4 major areas of the Roadmap

Want to know more?

- On line:

- DCH-RP website: www.dch-rp.eu
- Showcase on Digitalmeetsculture.net: www.digitalmeetsculture.net/heritage-showcases/dch-rp
- Handbook "A ROADMAP FOR PRESERVATION OF DIGITAL CULTURAL HERITAGE CONTENT": www.digitalmeetsculture.net/heritage-showcases/dch-rp/dch-rp-roadmap-for-preservation

- Events:

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18 ANNEX I – ADVOCACY PAPER – ROADMAP, FINAL VERSION – POLICY MAKERS AND PROGRAMME OWNERS

Advocacy paper – Final version of the Roadmap

Based on the Handbook

Target: policy-makers

Digital preservation is a main stake for DCH institutions: they produce a large volume of data which needs to be safely stored, permanently accessed and easily re-used over time by different end users.

However, even if it has been identified as a key issue for DCH, there is a lack of best practices and common approaches. Member states are developing and implementing national preservation strategies, but there are many commonalities which could be addressed at European level.

Indeed, the DCH-RP project was designed to answer these needs, and to develop a roadmap to implement a federated preservation infrastructure for DCH, dedicated to support the application of open science in the arts and the humanities

Stakes:

- To make digital cultural heritage accessible and usable long term
- To contribute to the research capacities development of the DCH sector

The policy support is of high importance for the successful implementation of a federated infrastructure.

A first European Roadmap for digital preservation

Roadmaps are useful instruments to present the scope and coverage of an e-infrastructure. They are also frequently used within projects and institutions in the digital preservation domain. There is no roadmap on digital cultural heritage preservation.

The DCH-RP project Roadmap aim is to provide a practical instrument to decision makers from all DCH community – policy makers, cultural institutions, e-Infrastructure providers.

It offers:

- A unique European overview of the challenges, the main obstacles, the needs regarding digital preservation
- Examples of existing solutions
- Recommendations for each target group

It provides a Roadmap with short term to long-term perspectives based on major and connected steps.

What are the main components of the Roadmap?

A need of agreement on shared basic consideration

The first step for the development and the sustainability of the Roadmap is the agreement / shared conviction of all stakeholders to 3 basic points:

- A vision of distributed digital preservation architecture
- Challenges to target
- The need of an explorative approach

Four Major areas to concentrate on

In order to provide a useful instrument both to policy makers and cultural institutions, 4 majors areas have been identified as priorities:

- Harmonisation of data storage and preservation
- Improved interoperability
- Establishment of conditions for cross-sector integration
- Governance models for infrastructure integration

Need for policy support

- Fragmentation of programmes between regions and Member States in Europe represents a barrier to be overcome
- To enable liaisons and connect interests between stakeholders
- Acknowledgement of the importance of such infrastructure
- To provide the necessary financial instruments and support joint programming actions

Recommendations for policy makers

- To endorse the roadmap in order to define the programme and financial supports to the federated infrastructure
- Policies should correspond to the actual needs of the sector: policy makers should follow awareness and communication programmes
- Links with the private sector are necessary, and public-private partnerships need to establish clear rules to respect the interests of both parties in a balanced way
- To understand the need for a plan for investments in preservation
- National preservation strategies have to be followed by concrete efforts in terms of human and economical resources

The Roadmap perspectives

The Roadmap perspective is based on strategic and operational steps, with a time frame with short-term (2014-2015) to medium and long-term perspectives (2016-2018 +) in order to be adaptable to all institutions

Short term 2014-2015

Step 1: agreement on shared basic consideration by stakeholders: on a vision, challenges to target, on the need of exploration

Step 2: actions on the 4 main areas of the Roadmap

Step 3: choose services to address according to functional areas, services types and objects, type of architecture, level of maturity, license conditions

Mid term (2016-2017)

Step 1: summarize priorities decisions and considerations taken during the short time period into a *Preservation as a Service (Praas)*

Step 2: take further actions in the identified 4 major areas of the Roadmap

Step 3: plan for work during the long-term stage

Long term (2018 and beyond)

Take further actions in the identified 4 major areas of the Roadmap

Want to know more?

- On line:

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19 ANNEX H – ADVOCACY PAPER – ROADMAP, FINAL VERSION – E-INFRASTRUCTURE AND R&D INSTITUTIONS

Advocacy paper – Final version of the Roadmap

Based on the Handbook

Target: e-infrastructures

Digital preservation is a main stake for DCH institutions: they produce a large volume of data which needs to be safely stored, permanently accessed and easily re-used over time by different end users.

However, even if it has been identified as a key issue for DCH, there is a lack of best practices and common approaches. Member states are developing and implementing national preservation strategies, but there are many commonalities which could be addressed at European level.

Indeed, the DCH-RP project was designed to answer these needs, and to develop a roadmap to implement a federated preservation infrastructure for DCH, dedicated to support the application of open science in the arts and the humanities.

Collaborations between e-infrastructures and “hard science” are demonstrating that high-speed connections, shared computing and storage research resources, sophisticated authentication and authorisation mechanisms can advance the research capabilities. The DCH sector represents a strong area of investment for e-infrastructures, as other scientific domains already are.

Stakes:

- To make digital cultural heritage accessible and usable long term
- To contribute to the research capacities development of the DCH sector

A first European Roadmap for digital preservation

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It offers:

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Four Major areas to concentrate on

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- Harmonisation of data storage and preservation
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- Establishment of conditions for cross-sector integration
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Benefits of using e-infrastructures for preservation

- Existing e-infrastructures for research and academia (NREN, NGI and other data infrastructures) could be efficient channels for the delivery of advanced services to be used by the DCH sector in the field of digital preservation. Therefore, alliances, closer collaborations and synergies should be established or strengthened between DCH and the e-infrastructures.
- Common policies, processes and protocols can be established to allow DCH to access e-infrastructures. However, the services have to be customised, and the market for distributed digital preservation is still in its infancy

Establish a win-win cooperation between DCH and e-infrastructures actors

- By generating larger and larger amount of data, DCH sector is facing similar problems and challenges than “hard sciences”: solutions developed in other areas should be also exploited for DCH.
- By working with the DCH sector, e-infrastructure providers could enlarge their scope of action, serving another large community of users, reinforcing their social relevance and advocating for political and financial support

Services to address

6 main services to be provided by e-infrastructure for DCH preservation have been identified:

- Ingestion
- Storage
- Active digital preservation
- Access
- Organisational issues

- Service architecture

Recommendations for e-infrastructure providers

- Need for a service-oriented approach: the DCH sector has low technical skills and needs to be supported in the understanding of how to use infrastructure facilities
- DCH Sector standards need to be known by e-infrastructure providers
- Access is key: it should be open but also controlled to guarantee the safety and protection of cultural data

The Roadmap perspectives

The Roadmap perspective is based on strategic and operational steps , with a time frame with short-term (2014-2015) to medium and long term perspectives (2016-2018 +) in order to be adaptable to all institutions

Short term 2014-2015

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