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Context

WP 3	Dissemination
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Task 3.1	International Conference
Task 3.2	Workshops
Task 3,3	Guidelines, standards and best practice
Task 3.4	Concertation
Task 3.5	Project website
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1 Executive summary

This deliverable is the Final dissemination report. It provides full details and documentation of the dissemination activities carried out along the whole project period.

To avoid repetitions, this deliverable makes reference to the relevant deliverables for the proceedings of workshops and of the international conferences. Similarly, some information reported in D2.2 Final collection of working papers produced by the working groups, are not repeated here, because, even if connected with dissemination, these data were more relevant in the document reporting on the network of common interest.

In the introduction of this deliverable we describe the target groups involves and how the dissemination strategy has been put into practice.

Chapter 3 illustrates the dissemination tools created and used: the website and the promotional material. Chapter 4 lists the publication produces. All events are listed in Chapter 5, giving an overview of the dissemination activities and events carried out since the beginning of the project. Chapter 6 includes a list of papers and articles on the project outputs.

Chapter 7 includes the statistics of the website from the beginning to the end of the project.

The conclusions shows that the indicators were fully respected and that the successful accomplishment of the dissemination plan lays down the basis for future activities of disseminating the results of the project.

Finally, the INDICATE Booklet is provided in Annex 1.

2 Introduction

The purpose of this document is to report on INDICATE project's dissemination activities.

INDICATE is an FP7-Infrastructures project which coordinates policy and best practices regarding the use of e-Infrastructures for digital cultural heritage in countries all around the Mediterranean.

The main of objective of **WP3 – Dissemination** was “to maximise the impact of the project's work through a programme of public events, publications and engagement with key target audiences”.

The consortium agreed in the initial phase of the project on a clear dissemination strategy targeted mainly to the following stakeholders:

- **Cultural heritage organisations**, including Ministries of Culture and memory institutions (museums, libraries, archives, etc.) who are involved in (or planning) digital culture initiatives, including institutional competence centers in DCH. This audience includes members in both more-experienced and less experienced countries.
- **E-Infrastructures providers** (usually National Research and Education Networks or NRENs and grid platform providers), who are responsible for the computing and networking facilities at the core of e-Infrastructures. In most of the participant countries this target group already had

some relationship with the cultural heritage community and as a consequence it helped in some countries to get them rapidly involved in the dissemination process using these pre-existing links (especially thanks to the DC-NET project which saw the participation of several partners of INDICATE).

- **Ministries and state agencies** who are **responsible for e-Infrastructures** (typically Ministries of Science and/or Education).
- **Policy bodies** which map out the future of e-Infrastructures on behalf of the Commission, of national government and of others (like e-IRG, ESFRI etc.).
- **Research organisations and universities** who provide technical and expertise advice to cultural stakeholders, combining recent advances in web technologies with digital cultural content to offer new services and user experiences.
- **Other projects** in the digital culture, e-Infrastructures and policy frameworks, who can benefit from the awareness of the project and from whose work INDICATE can also benefit.

The INDICATE project partners were able to disseminate the project activities towards a huge number of stakeholders from key areas of digital cultural heritage and e-Infrastructures.

The main objective of the dissemination activity was to make all stakeholders aware of the project outputs and tools through:

- web-based communication regularly updated
- brochures and other printed dissemination material
- multimedia material
- organisation of project conferences
- participation in concertation events organised by EC
- meetings and other events organised by other institutions
- articles, papers and videos illustrating the project and its results

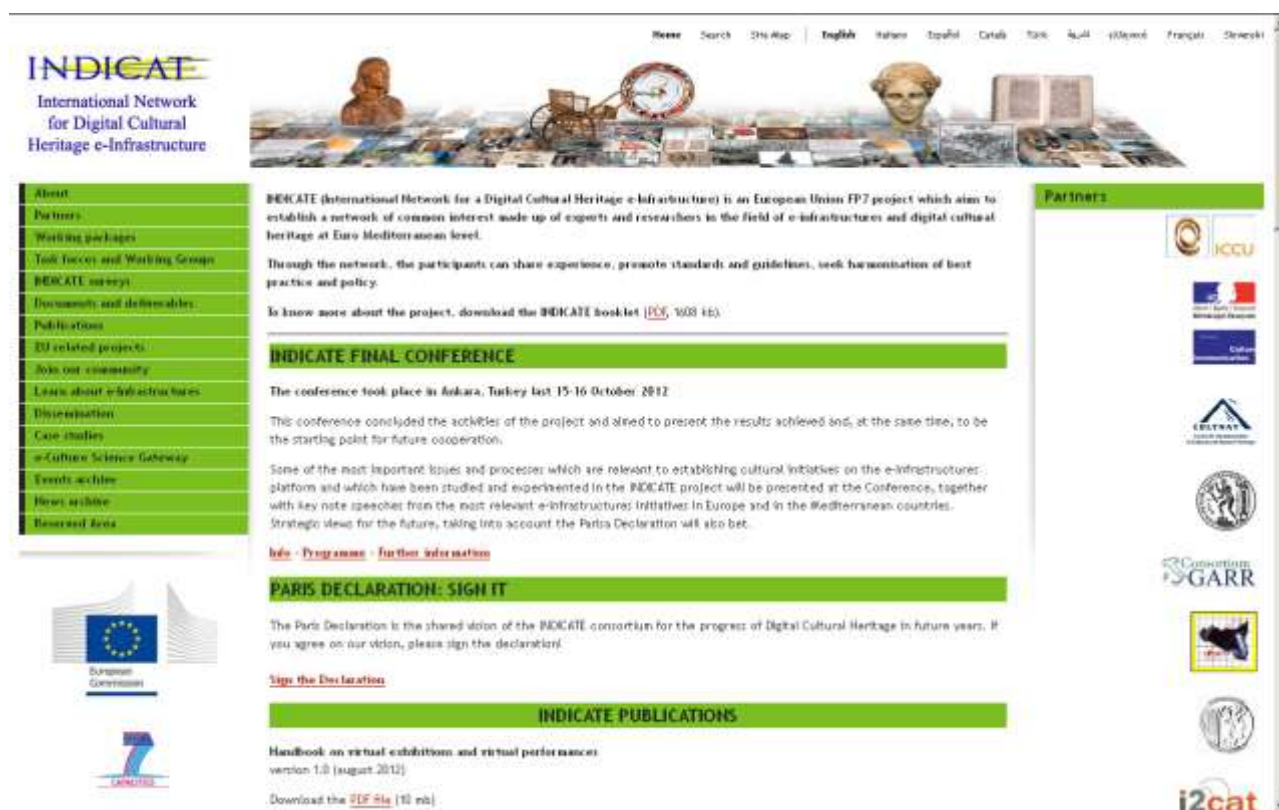
3 Dissemination tools created and used

This section includes a list of the dissemination tools created and used.

3.1 The website

The website was realised in the first months of the project. D.3.2 described the aims it intended to reach, the users for which it is targeted, the software used, the structure of the public and the reserved areas, the implementation work, the editorial board, the tools for monitoring the website.

The website was conceived as the main working tool for the INDICATE partners and contributors, and for all external users interested in DC-NET activities and relationship between digital cultural heritage and e-infrastructures. The website presents information about all INDICATE activities, documents and deliverables, presentations, publications, dissemination material. The following image shows the final structure of the public website, constantly updated during the whole project.



During the project, partners elaborated several multilingual pages, in order to describe the main features of the projects. These pages were realised in Arab, Catalan, Greek, French, Italian, Slovenian, Spanish, Turkish.

During the whole duration of the project, SEO (Search Engine Optimisation) activities were carried out.

The website will be preserved and maintained by the project coordinator after the end of the project.

For statistics, see Chapter 7.

3.2 Promotional material

In this chapter, we show the promotional material created and used during the project.

Promotional material was produced by the project coordinator in cooperation with all WPs and sent in proportional copies to all partners who distributed it at national level among their network of common interest and during dissemination and events.

Some material was made available immediately after the start of the project like the logo and the INDICATE factsheet. Other was created at a later stage to make publicity in the framework of meetings and conferences. The publications were finalised in the last phase of the project and presented at the INDICATE Final Conference in Ankara. The coordinator and all partners agreed that they will continue to distribute them also after the end of the project among interested researches and experts.

3.2.1 Logo

The logo was produced at the beginning of the project. It was designed by partner GARR.



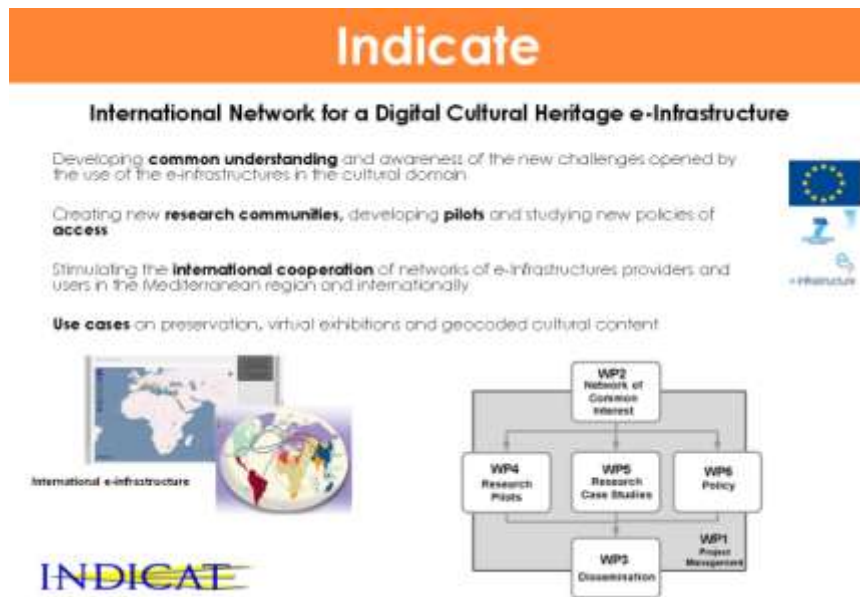
3.2.2 Factsheet

The 2 page factsheet was produced at the beginning of the project. It describes the project objectives, the partners and the work packages.



3.2.3 Poster

A first poster was realised at the beginning of the project, before the finalisation of the corporate image, for initial dissemination.



A second poster was realised later, respecting the corporate image. It was printed in 250 copies.



3.2.4 Leaflet

The 4 pages leaflet illustrates the project objectives and activities and list all the project partners. It was printed in 2000 copies.





3.2.5 Postcard

The postcards includes the project details and list all the partners of the project. It was printed in 1000 copies.



3.2.6 Folder

Printed in 1000 copies.



3.2.7 Booklet

The 20 pages booklet "Cultural Heritage and Research without limits" illustrated the project more in detail with chapters dedicated to explain the objectives and the impact of the project, short partner

profiles, instruction on how to join the community, the pilots, the case studies, the e-culture Science Gateway and the general strategy. It was printed in 2000 copies.

The booklet is also available online

<http://www.indicate-project.eu/getFile.php?id=271>

See also Annex 1

4 Publications

The results of the case studies were elaborated, synthesised and made available in two publications.

Thanks to a memorandum of understanding with the European project Linked Heritage¹ the main results of the case study on GIS (see D5.3) will be printed in the series of Linked Heritage booklets at the end of 2012.

4.1 Best practice for applying research pilots and use case studies to digital cultural heritage



This 44 pages publication printed in October 2012 in 500 copies is targeted to programme managers and policy makers. It intends to contribute with the lessons learnt in INDICATE to a wider initiative which aims to move towards the implementation of a federated e-Infrastructure dedicated to the research community on Digital Cultural Heritage. The focus of the contribution of INDICATE is to offer with this Handbook an integrated presentation of the best practices encountered along the case studies and pilots carried out by the project.

The PDF version is available online:

<http://www.indicate-project.org/getFile.php?id=418>

4.2 Handbook on virtual exhibitions and virtual performances

¹ <http://www.linkedheritage.eu>.



This 158 pages handbook printed in October 2012 in 500 copies is targeted to cultural heritage professionals (curators, archaeologists, art historians, archivists, librarians, designers and web designers, information scientists, communication managers, etc.) working in the valorisation and dissemination of knowledge also through exhibitions and performances made available online. It intends to provide a useful conceptual tool for the digital transition process regarding cultural heritage, which must be tackled with the right infrastructure and adequate conceptual, theoretical, organizational, and management tools, along with an awareness of the deep changes in prospects arising out of the chance to separate the governance of culture preservation from the strategies to promote cultural heritage, which strategies are often aimed at local tourism marketing and the exploration of new forms of cultural tourism.

The PDF version is available online:

<http://www.indicate-project.org/getFile.php?id=412>

4.3 Paris Declaration

This document is a shared vision of the INDICATE network of interest for the progress of Digital Cultural Heritage in future years. It was conceived during the “Strategy and future plans workshop” which took place in Paris the 7th June 2012, and amended during the final INDICATE Conference which took place in Ankara the 15th-16th October 2012.

The Declaration was printed for distribution in 500 copies.

The PDF version and the full text are available online

<http://www.indicate-project.org/index.php/en/187/paris-declaration>)

5 Events

This chapter reports on the International and national workshops and conferences organised by the INDICATE partners and on the events where INDICATE partners participated in order to disseminate the project results.

As described in the relevant deliverables, all national and international INDICATE events saw the participation of a wide community of experts and researchers who could learn and discuss about the great opportunities offered by e-infrastructures services to memory institutions.

The effectiveness of the dissemination activities was constantly evaluated during the project. All partners were constantly requested to give updates on their dissemination activities (mainly participation in meeting and events and distribution of dissemination materials).

It is important to point out that during these events the INDICATE partners could strengthen the cooperation with relevant projects and initiatives, mainly:

- the **DC-NET project** (<http://www.dc-net.org>), an ERA-NET (European Research Area Network) project, financed by the European Commission under the e-Infrastructure - Capacities Programme of the FP7, started in December 2009 and ended in March 2012, the main aim of which was to develop and to strengthen the co-ordination of the public research programmes among the European countries, in the sector of the digital cultural heritage. This scope was pursued by the participating Ministries of Culture by endorsing a Joint Plan of Activities, to be initiated already during the project time-frame, through a wide and intensive programme of seminars, workshops, meetings and Presidential conferences dedicated to the encounter of the digital cultural heritage sector with the technological research and the e-Infrastructure providers in Europe.
- the **CHAIN project** (Coordination and Harmonisation of advanced e-Infrastructures) - (<http://www.chain-project.eu/>), the aim of which is to coordinate and leverage recent efforts and results with a vision of a harmonised and optimised interaction model for e-Infrastructure and specifically Grid interfaces between Europe and the rest of the world. The project is elaborating a strategy and defining the instruments in order to ensure coordination and interoperation of the European Grid Infrastructures with other external e-Infrastructures.
- the **EGI community** (<http://www.egi.eu>). EGI.eu is a not-for-profit foundation established under Dutch law, which coordinates and manages the European Grid Infrastructure (EGI) federation on behalf of its participants: National Grid Initiatives (NGIs) and European International Research Organisations (EIROs).
- the **reflection group e-IRG** (<http://www.e-irg.eu>), whose main objective is to support the creation of a political, technological and administrative framework for an easy and cost-effective shared use of distributed electronic resources across Europe, with particular attention directed towards grid computing, storage, and networking. The e-Infrastructure Reflection Group was founded to define and recommend best practices for the pan-European electronic infrastructure efforts. It consists of official government delegates from all the EU countries. It produces white papers, roadmaps and recommendations, and analyses the future foundations of the European Knowledge Society.
- **ASREN** (<http://www.asrenorg.net>), the association of the Arab region National Research and Education Networks (NRENs) and strategic partners, that aim to implement, manage and extend sustainable Pan-Arab e-Infrastructures dedicated for the Research and Education communities and to boost scientific research and cooperation in member countries through the provision of world-class e-Infrastructures and E-services.
- **SEERA-ei** (<http://www.seera-ei.eu>), The South-East European eInfrastructure initiatives aiming to ensure equal participation of the region in European networking and Grid computing trends.

- **TELDAP** (<http://collab.teldap.tw/index.php/archives/62>), the International Collaboration and Promotion of Taiwan e-Learning & Digital Archives Program, the main objective of which is to promote the internationalization and enhance global awareness of TELDAP and establish an international cooperation network.

During all dissemination events the different communities could mutually benefit of projects and initiatives outputs and knowledge.

5.1 INDICATE International workshops and conferences

14 June 2011, Barcelona

INDICATE Workshop "Digital Cultural Heritage e-Infrastructure"

Organised by the i2CAT Foundation and the Departament de Cultura (Generalitat de Catalunya). The e-Infrastructures offer many opportunities for the Cultural Heritage sector. The grid computing and the national research and education networks have been traditionally used by scientists and information technologists. The application of these e-Infrastructures on the GLAM sector will be an opportunity to face future challenges. The aim is to bring together professionals from European institutions, research centers and companies linked to the Cultural Heritage sector to build the Network for Cultural Heritage Digital e-Infrastructure.

Programme, presentations and videos:

<http://www.indicate-project.org/index.php?en/22/events-archive/54/barcelona-workshop-digital-cultural-heritage-e-infrastructure>

The event was well advertised and reported in local press, websites and e-bulletins.

7-8 July 2011, Ankara

INDICATE Long Term Preservation Workshop

This workshop was the follow up of a survey conducted in the countries participating to the project, based on a questionnaire that has been answered by important institutions from Italy, France, Spain, Greece, Slovenia, Austria, Hungary, Egypt and Turkey. The scope of the workshop was to present best practice examples of digital preservation; to discuss how e-Infrastructures can be used to solve digital preservation problems; to analyse the resources which e-Infrastructures offer, and how they can be deployed to deal with digital preservation.

Programme and presentations:

<http://www.indicate-project.org/index.php?en/22/events-archive/53/ankara-long-term-preservation-workshop>

This workshop was fully described in D3.3, available online:

<http://www.indicate-project.eu/getFile.php?id=364>

11 December 2011, Amman

INDICATE Virtual Exhibition Workshop

The scope of this workshop was to present best practice examples of virtual exhibitions; to discuss how e-Infrastructures can be used to enhance virtual exhibitions applications, to analyse the resources which e-Infrastructures offer, and how they can be deployed to deal with virtual exhibitions implementations.

Programme and presentations:

<http://www.indicate-project.org/index.php?en/22/events-archive/66/amman-virtual-exhibitions->

[workshop](#)

This workshop was fully described in D3.2, available online:
<http://www.indicate-project.eu/getFile.php?id=371>

7 February 2012, Ljubljana

INDICATE Workshop on Geo-coded cultural heritage content

The theme of the geographic information systems applied to the cultural heritage is one of the case studies of the INDICATE project and for this reason a specific workshop has been planned. This workshop was the follow up of a geo-parsing experiment conducted by the Slovenian partner. The scope of the workshop was: to present best practice examples of the use of GIS technology for access to digital cultural content; to discuss how e-Infrastructures can be used to enhance GIS cultural applications; to analyse the resources which e-Infrastructures offer, and how they can be deployed to deal with GIS cultural implementations.

Programme and presentations:

<http://www.indicate-project.org/index.php?en/22/events-archive/68/ljubljana-indicate-workshop-on-geo-coded-cultural-heritage-content>

Described in deliverable D3.4 available online

<http://www.indicate-project.org/getFile.php?id=432>

20 April 2012, Catania

INDICATE Technical Conference

This Conference took place after 20 months of project activities, to present the intermediate project results to an international audience. The aim of the conference was to trigger a discussion about the sustainability of these results, in the frame of a longer vision where INDICATE aims to contribute to the creation of an open science infrastructure dedicated to the digital cultural heritage sector.

Programme and presentations:

<http://www.indicate-project.org/index.php?en/22/events-archive/72/catania-indicate-technical-conference>

7 June 2012, Paris

INDICATE Strategy and future plan workshops

The aim of the workshop was to contribute to the harmonization of policies, both across the EU and in other partner countries, especially from the Mediterranean area, for the access of DCH community to e-infrastructures. Particular attention has to be paid to the need to create a permanent exchange mechanism between the DCH community and the e-infrastructure community, to best practice examples, and to international cooperation.

Programme and presentations:

<http://www.indicate-project.org/index.php?en/22/events-archive/76/paris-strategy-and-future-plans-workshop>

15-16 October 2012, Ankara

Ankara: INDICATE Final Conference

This conference concluded the activities of the project and aimed to present the results achieved and, at the same time, to be the starting point for future cooperation. Some of the most important

issues and processes which are relevant to establishing cultural initiatives on the e-Infrastructures platform and which have been studied and experimented in the INDICATE project were presented at the Conference, together with key note speeches from the most relevant e-infrastructures initiatives in Europe and in the Mediterranean countries. Strategic views for the future, taking into account the Paris Declaration were also discussed.

Programme and presentations:

<http://www.indicate-project.org/index.php?en/22/events-archive/79/ankara-indicate-final-conference>

Described in deliverable D3.5

5.2 INDICATE national workshops

9-11 May 2012, Bodrum

INDICATE National Workshop

At local level the INDICATE national referees for long-term preservation organized this workshop named "Public Libraries in New World". One of the related topic was: Digitization in Public Libraries. This event saw the attendance of 200 people including public library personnel, academics, experts from universities and private sectors.

Programme and presentations:

<http://www.indicate-project.org/index.php?en/22/events-archive/81/bodrum-indicate-national-workshop>

7 June 2012, Paris

INDICATE Atelier national: institutions culturelles et e-infrastructures de recherche

The aim of this workshop was to contribute to the harmonization of policies, both across the EU and in other partner countries, especially from the Mediterranean area, for the access of DCH community to e-infrastructures. Particular attention was paid to the need to create a permanent exchange mechanism between the DCH community and the e-infrastructure community, to best practice examples, and to international cooperation.

Programme and presentations:

<http://www.indicate-project.org/index.php?en/22/events-archive/77/paris-indicate-atelier-national-institutions-culturelles-et-e-infrastructures-de-recherche>

5.3 Other events where INDICATE was disseminated

This section lists the events, organised by other institutions, which saw the participation of INDICATE partners representatives who presented INDICATE outputs and results and disseminated printed materials in 17 countries (Belgium, Bulgaria, Czech Republic, Denmark, Estonia, France, Germany, Hungary, Italy, Jordan, Latvia, Poland, Switzerland, Taiwan, The Netherlands, Sweden, Turkey).

Roma, 14 December 2010, CHAIN Kick-off meeting

INDICATE: International Network for a Digital Cultural Heritage e-Infrastructure - DC-NET: a European Network for Digital Cultural Heritage Research (presentation by Antonella Fresa, ICCU, <http://www.indicate-project.eu/getFile.php?id=165>)

Bruxelles, 29 September 2010, ICT Conference

Event in cooperation with DC-NET project
(presentation by Antonella Fresa, ICCU, <http://www.dc-net.org/getFile.php?id=160>)

Roma, 30 September 2010, Conference on e-infrastructures

Event in cooperation with DC-NET project
(presentation by Rossella Caffo, ICCU, <http://www.dc-net.org/getFile.php?id=155>)

Bologna, 5 November 2011, GARR Conference 2011, Session "Progetti Europei che usano la rete": Progetti europei nel DCH (presentation by Rossella Caffo, ICCU, <http://www.garr.it/a/conf11-programma-completo>)

Tallinn, 13 January 2011, DC-NET e-infrastructure concertation meeting

The COMETA Grid infrastructure and its services for Digital Cultural Heritage applications
(presentation by Roberto Barbera, Cometa, <http://www.indicate-project.eu/getFile.php?id=173>)

Pisa, 7th Italian Research Conference, 21 January 2011

Distribution of dissemination material

Rome, 24 January 2011, DC-NET Italian Working Group meeting

The INDICATE Project (presentation by Roberto Barbera, Cometa, <http://www.indicate-project.eu/getFile.php?id=172>)

Rome, 21 February 2011, ATHENA/EuropeanaLocal Workshop - Il contributo europeo al patrimonio culturale "in digitale" sul web

INDICATE: l'uso delle e-Infrastructures per il patrimonio culturale digitale nei paesi mediterranei
(presentation by Maria Teresa Natale, ICCU, <http://www.indicate-project.eu/getFile.php?id=180>)
Linee guida per la realizzazione di mostre virtuali sul web: il contributo dell'Italia al progetto INDICATE (presentation by Maria Teresa Natale, ICCU, <http://www.indicate-project.eu/getFile.php?id=189>).

Taipei, 16-19 March 2011, TELDAP 2011

DC-NET and INDICATE project (presentation by Roberto Barbera, Cometa, <http://www.indicate-project.eu/getFile.php?id=262>)

Taipei, 19-25 March 2011, International Symposium on Grids and Clouds

On the use of e-Infrastructures for Arts and Cultural Heritage (presentation by Roberto Barbera, Cometa, <http://www.indicate-project.eu/getFile.php?id=262>)

Budapest, Open e-IRG Workshop, 3 April 2011

presentation by Antonella Fresa, ICCU, <http://www.dc-net.org/getFile.php?id=292>

Vilnius, 11-14 April 2011, EGI User Forum

Event in cooperation with DC-NET project:
presentation by Antonella Fresa, ICCU, <http://www.dc-net.org/getFile.php?id=299>

Génève, 4-5 May 2011, e-infrastructure meeting

Meetings organised by the European Commission among the project representatives
Distribution of information material

Florence, 5 May 2011, EVA Florence, Workshop "Ten years of networking for digital cultural heritage"

INDICATE - International Network for a Digital Cultural Heritage e-Infrastructure (presentation by Gabriella Paolini/ Sabrina Tomassini, GARR consortium, <http://www.indicate-project.eu/getFile.php?id=204>)

Praga, BoF Event, 17 May 2011

Event in cooperation with DC-NET project

<http://www.dc-net.org/index.php?en/22/events-archive/58/prague-eculture-workshop>

Lyon, 21 September 2011, EGI Technical Forum

Virtual Research Communities Digital Cultural Heritage (presentation by Antonella Fresa, ICCU, <http://www.indicate-project.eu/getFile.php?id=256>)

Poznan, 13 October 2011, e-IRG workshop

A data infrastructure for digital cultural heritage: characteristics, requirements and priority services (presentation by Antonella Fresa, ICCU, <http://www.indicate-project.eu/getFile.php?id=263>)

Noordwijk, 27-28 October 2011, e-Infranet open workshop

Event in cooperation with DC-NET

<http://www.dc-net.org/index.php?en/22/events-archive/79/noordwijk-aan-zee-e-infranet-open-workshop>

Sofia, 21 November 2011, NALIS annual conference

A data infrastructure for digital cultural heritage: characteristics, requirements and priority services, (presentation by Antonella Fresa, ICCU, <http://www.indicate-project.eu/getFile.php?id=305>)

Barcelona, 22 Novembre 2011, Workshop "Europeana, aggregation of cultural and Linked Data for Cultural Heritage"

Event organized in the framework of the European project Linked Heritage.

<http://www.i2cat.net/en/news/noticies/201111/europeana-aggregation-content-and-linked-data-cultural-heritage>

Amman, 13 December 2011, ASREN Conference

Towards a Digital Cultural Heritage e-Infrastructure (presentation by Antonella Fresa, ICCU, <http://www.indicate-project.eu/getFile.php?id=313>)

Taipei, 21-24 February 2012, Telpad

A data infrastructure for digital cultural heritage: characteristics, requirements and priority services

<http://www.indicate-project.org/getFile.php?id=428>

Copenhagen, 21-23 March 2012, ICRI

Participation in the poster session

Distribution of information material

Munich, 29 March 2012, EGI Community Forum 2012

CHAIN Workshop at EGI Community Forum 2012 (presentation by Antonella Fresa, ICCU, <http://www.indicate-project.eu/getFile.php?id=361>)

Firenze, 12 May 2012, EVA Florence

Online virtual exhibitions: Guidelines for realisation (presentation by Maria Teresa Natale, ICCU, <http://www.indicate-project.eu/getFile.php?id=426>)

Istanbul, 14 May 2012, SEERA-EI

e-infrastructures for the Digital Cultural Heritage

<http://www.indicate-project.org/getFile.php?id=429>

Stockholm, 23 May 2012, Michael Culture Workshop

Virtual exhibitions: MiBAC experience and the INDICATE case study (presentation by Maria Teresa Natale, ICCU, <http://www.indicate-project.eu/getFile.php?id=425>)

Copenhagen, 12 June 2012, eIRG workshop

e-Infrastructure needs for the Arts, Culture, Humanities (presentation by Antonella Fresa, ICCU, <http://www.indicate-project.eu/getFile.php?id=392>)

Leuven, 13-15 June 2012, Europeana Plenary

<http://pro.europeana.eu/web/leuven-2012/home>

Cultural Ring: Connecting Culture, Future Internet and people (presentation by Artur Serra, i2CAT, <http://www.slideshare.net/arturserra/cultural-ring-future-internet-culture-and-people>)

Distribution of dissemination material

Bruxelles, 13 September 2012, Connected Smart Cities Network Workshop

<http://cordis.europa.eu/fp7/ict/fire/connected-smart-cities/presentations/per-blixt-connected-smart-cities-13sept2012.pdf>

Dissemination of the project

6 Papers, short articles, videos

In this chapter we give a list of papers, short articles and videos illustrating various aspects of the project.

Papers and short articles

Antonella Fresa, *Verso un'infrastruttura digitale per i beni culturali: DC NET e il progetto INDICATE*, Digitalia, n. 2, 2011, p. 106-110

ISGTW. *The gateway to the grid*, October 12, 2011

<http://www.isgtw.org/visualization/gateway-grid>

Digital meets culture, *INDICATE project : a milestone during its life*

<http://www.digitalmeetsculture.net/article/indicate-project-a-milestone-during-its-life/>

Digital meets culture, *INDICATE project: best practice handbook now online*

<http://www.digitalmeetsculture.net/article/indicate-project-best-practice-handbook-now-online/>

Digital meets culture, *INDICATE – International Network for a Digital Cultural Heritage e-Infrastructure*,

<http://www.digitalmeetsculture.net/article/indicate-international-network-for-a-digital-cultural-heritage-e-infrastructure/>

Fundació i2CAT, *Final Conference of the European Project INDICATE*

<http://www.i2cat.net/en/news/noticies/201210/final-conference-european-project-indicate>

Fundació i2CAT, *International Network for a Digital Cultural Heritage e-Infrastructure*

<http://www.i2cat.net/en/projecte/indicate>

Fundació i2CAT, *Europeana Plenary*

<http://www.i2cat.net/en/news/noticies/201206/i2cat-participates-europeana-plenary-2012>

Musei digitali, *Mostre virtuali: il manuale per realizzarle*,

<http://museidigitali.wordpress.com/2012/10/30/mostre-virtuali-il-manuale-per-realizzarle/>

Videos

The INDICATE e-Culture Science Gateway

<http://www.youtube.com/watch?v=97DcfC6ZYA8>

The Social Networks' Bridge Identity Provider

<http://www.youtube.com/watch?v=w6wfuGUwVVU>

GARR TV

Embedding of the video on the Science Gateway

<http://www.garr.tv/home/viewvideo/217/ricerca/indicate-e-culture-science-gateway>

7 Website statistics

The website is constantly monitored and statistics analysed in order to follow up on user interest in website contents.

A synthesis of the statistics referring to the entire duration of the projects is reported here, with the following indicators:

- *Unique visitors*: number of single users that have visited the site, net of duplications.
- *Visits or sessions*: number of visits to a site made by users.
- *Time spent*: time spent in minutes and seconds while navigating or viewing the pages of a site or using a digital application.
- *Pages*: number of pages visited by the users
- *Bandwidth used*
- *Visits duration*: average time spent by the user per visit.

Monthly history 2010						
Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth	Visits duration
Sep 2010	21	25	125	541	2.13 MB	60 s
Oct 2010	53	63	415	1427	5.63 MB	228 s
Nov 2010	78	103	473	1644	5.95 MB	203 s
Dec 2010	80	116	925	3356	19.62 MB	409 s
Total	232	307	1938	6968	33.34 MB	225 s

Monthly history 2011						
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Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth	Visits duration
Jan 2011	188	374	1962	6160	32.53 MB	459 s
Feb 2011	244	471	3419	13965	135.32 MB	400 s
Mar 2011	339	566	3153	12388	215.91 MB	301 s
Apr 2011	281	512	3190	11297	225.79 MB	396 s
May 2011	359	731	3507	13944	170.65 MB	251 s
Jun 2011	524	989	4786	22090	236.57 MB	278 s
Jul 2011	394	902	3653	12729	379.23 MB	399 s
Aug 2011	480	837	2647	8852	279.60 MB	326 s
Sep 2011	633	1159	3341	10272	476.67 MB	260 s
Oct 2011	717	1213	4161	12860	520.63 MB	272 s
Nov 2011	656	1066	4606	15165	725.93 MB	242 s
Dec 2011	835	1432	4466	12815	539.36 MB	330 s
Total	5650	10252	42891	152537	3.85 GB	311 s

Monthly history						
Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth	Visits duration
Jan 2012	850	1434	4152	12808	518.81MB	301 s
Feb 2012	612	1121	3787	11705	449.79MB	315 s
Mar 2012	694	1262	3793	13358	486.33MB	239 s
Apr 2012	788	1496	6362	30182	758.37MB	325 s
May 2012	770	1507	4197	14792	578.80MB	257 s
Jun 2012	766	1507	5254	16385	1.20 GB	281 s
Jul 2012	641	1388	4394	10227	728.91MB	249 s
Aug 2012	822	1650	4235	12897	984.22MB	272 s
Sep 2012	917	2031	5968	21690	1.09 GB	278 s
Oct 2012	1300	2874	12513	37324	2.47 GB	308 s

Total	8160	16270	54655	181368	9.17 GB	284 s
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TOTALS					
Year	Unique visitors	Number of visits	Pages	Hits	Visits duration
2010-2011-2012	14042	26829	99484	340873	273 s

We also list the 10 top downloaded documents where we can see that documentation linked to all case studies was downloaded by final users many users.

D5.1 - Case study report - Long Term Preservation	1210
INDICATE Booklet	932
D5.2 - Case study report - Virtual Exhibitions	677
INDICATE GIS Workshop in Ljubljana: Matteo Lorenzini presentation	645
INDICATE Virtual Exhibition Workshop in Amman: Maria Teresa Natale presentation	541
D3.2 - Proceedings virtual exhibitions	466
D3.3 - Workshop proceedings – digital preservation	454
INDICATE Cooperation agreement	427
INDICATE GIS Workshop in Ljubljana: Annette Kelly presentation	350
Preservation Form	349

Moreover, we point out the fact that all INDICATE publications were highly downloaded even if they were made available online at the beginning of October 2012.

Virtual exhibitions	194
Best practice for applying	110
Paris Declaration	90

8 Conclusions

The dissemination activities of INDICATE have attained the objectives stated in the DoW, namely to make the information gathered by the project available to the widest possible audience, to encourage cultural heritage actors, to engage with e-Infrastructures and examine the delivery of new and exciting services for researchers, to support these objectives by creating and delivering dissemination materials, such as project website, brochures, and other dissemination material, to organise several conferences and workshops at EuroMediterranean level in order to raise the highest attention on the project outputs, to contribute to the concertation and dissemination actions related to e-Infrastructures.

Moreover, these activities contributed to raise cooperation between e-Infrastructures and the cultural heritage community.

The activities of WP3 have brought the knowledge generated by INDICATE to the targeted audiences by contributing, attending or organising events at national or international level.

The necessary dissemination materials, including the website, have been made available shortly after the start of the project and have been updated regularly to provide the latest version of the project status and achievements.

We think to have successfully communicated the project messages, as initially foreseen in the DoW:

- to give inputs to programmes and policy regarding e-Infrastructures and their relationship with arts, humanities and culture, aimed at national governments and e-Infrastructures organisations (NRENs) in partner countries, in other EU countries, and beyond,
- to provide to cultural institutions best practice guidelines and standards for establishing digital culture initiatives on the e-Infrastructures platform, and for the migration of existing digital cultural heritage projects to this platform,
- to establish a closer link between e-infrastructure providers and cultural institutions, that now are more aware of the value that e-Infrastructures can bring to digital culture.
- to expose countries with less experience in the use of e-Infrastructure in the cultural domain (Turkey, Egypt, Jordan, Slovenia) to the e-Infrastructure-enabled culture work carried out in more experienced countries (France, Italy, Spain, Greece), these last providing possible models and demonstrators.
- to contribute to create a stable network of multidisciplinary experts belonging to the three sectors concerned: the cultural sector, the e-infrastructure providers, the research.
- to working with other projects who are active in the same area.

9 Annex 1: INDICATE booklet



The Project

INDICATE is a consortium action supported by the European Commission in the frame of the Capacities Programme (FP7).

The project is coordinated by ICCU, the Central Institute for the History of Culture, College of the Holy Family of Culture, with the participation of partners from 8 countries: Italy, Greece, UK, Slovenia, Spain in the EU and Egypt, Jordan and Turkey in the Mediterranean region.

INDICATE has a cooperation agreement with the ICT-NET (ICT-NET project).




Objectives

The main objectives of INDICATE are, from one side, the coordination of cultural heritage research operations operating in different countries in order to overcome the fragmentation and, from the other side, the development of consistent policies and best practices governing such initiatives.

INDICATE project aims to establish and nurture a network of common interest made up of projects and initiatives in all the relevant fields, whose sustainability will be assessed on a long term beyond the project duration. The network aims to: experience, promote standards and guidelines, create harmonization of best practices and policy and act as a catalyst for knowledge exchange from countries with major experience of a infrastructure enabled in culture to those with an experience to be developed in the area.

INDICATE is focused on the development of new research communities, new policies and new initiatives that will allow to create a infrastructure:

- Encouraging common approaches to the support of Arts, Heritage and Social Services through activities by infrastructures.
- Stimulating the international cooperation of researchers of a infrastructure provided and activities such as ARS and digital culture domains.

The project is based on the reality of research policies and can evolve when an extension and development of the work and for projects which are relevant to existing cultural infrastructure in the infrastructure based industry.

Impact

The major impact of INDICATE will be an international cooperation, harmonized policies, facilitated research collaboration both in institutions in countries of interest for the Mediterranean region and, from the other side, the development of consistent policies and best practices governing such initiatives.

INDICATE will have an impact across three policy areas:

- Among digital cultural heritage researchers, to raise awareness of the potential for new research culture, infrastructures and leading to new policies which stimulate international cultural collaboration on top of international infrastructures.
- Between cultural heritage researchers and administration, providing leading to new policies which govern the relationship between cultural heritage and cultural heritage between countries in the EU and beyond (especially in the Mediterranean countries, but also in Latin America and the Far East) regarding harmonized infrastructures for digital cultural heritage, both internally and across national and EU boundaries.

INDICATE will lead to the formation of harmonized policies for a infrastructure-enabled culture projects, to allow European states means that the policies are not specific for an EU context but are instead focused on sharing the benefits of what EU research can do with a wider audience, that fostering a culture of cooperation between EU institutions and those in other countries.

The Partners



ICCU www.iccu.it

The Central Institute for the Great Catalogue (ICCU), within the Ministry for Cultural Heritage and Activities (MiBAC), is the national centre which promotes and coordinates cataloguing and documentation activities of the Italian heritage. It is responsible for getting, producing, updating and disseminating the standard rules for cataloguing and digitization of the Italian heritage. ICCU coordinates any national cross-domain aggregation initiative such as Cultur@nia. The Italian culture portal ICCU is the Coordinator of the INDICATE project.

COPERIS www.coperis.it

COPERIS is a not-for-profit Organization that aims and operates the Italian Grid, consisting of about 3000 CPU cores and 230 TB of storage, engaged in I2G, the Italian National Grid Initiative. The COPERIS Grid is distributed over 7 sites located in Catania, Firenze and Palermo where High Performance Computing clusters are connected to the GARR network and the grid real-Internet.

HCC www.hcc.gubk.it

The Ministry de la Culture de la de la Communication (HCC) is the Ministry in charge of Culture and Photo policies in the French Government, in HCC's Department, Cabinet, the department for research, technology and higher education (Département de la Recherche, de l'Enseignement supérieur et de la Technologie - CREST) is a mission, for the co-operation of the activities of scientific and technical research in the field of Culture, as well as the national digitalisation plan for cultural heritage.

GARR www.garr.it

GARR is the Italian Academic and Research tele-communication network. Its main goal is to provide high-bandwidth connectivity and advanced services to the national scientific and academic community. The GARR network infrastructure spans the whole national territory and is fully integrated into the worldwide Internet. Its user-oriented, multi-tiered access fully supports new online applications.

DA www.dajp.gov.jo

The Department of Antiquities of Jordan (DA) is the official institutional authority mandated by law to be responsible for the protection, conservation and presentation of antiquities.



NTUA www.ntua.gr

The Image, Video and Multimedia Systems Lab (IMVS), an interdisciplinary group of the School of Cultural and Textile Engineering of National Technical University of Athens (NTUA) has been a main partner in the digital heritage initiative 2008, collaborating in many EU activities and projects with more than 100 related to multimedia, analysis, knowledge representation and reasoning and HCI.

ICAT www.icat.es

The ICAT Foundation, Internet and Digital Heritage in Catalonia (Spain), whose mission is to promote research and innovation in advanced digital technology at a regional, national and international level.

GSB www.gsb.gov.gr

The Greek Development Department works in the Greek Ministry of Culture and Sports. The department's main mission is to manage, create, spread, update and evaluate the national, international, historical, cultural and tourism assets. This capability is strengthened, related only and exclusively to development.

CULTNAT www.cultnat.org

The Center for Documentation of Cultural and Natural Heritage (CULTNAT) is a public non-profit body in Egypt created in 2006 and supported by the Ministry of Communications and Information Technology (MCIT). The mandate of CULTNAT is to document and disseminate Egyptian heritage, using visual, audio and textual means to reflect Egyptian cultural and natural heritage. These technologies include Geographic Information System (GIS), 3D models.

AAS www.aas.it

Archeologia Agency of Slovenia is a consultation and representation institution that offers besides copyright consulting, also interdisciplinary studies concerning the information support on several areas dealing with the development of information systems, mainly to cultural institutions and national administrations, among which the design and development of the GIS of cultural heritage system in the national level.



Towards the Virtual Research Community of Digital Cultural Heritage

Join the INDICATE community

INDICATE is bringing cultural institutions and experts together. Establishing the network of common values, the INDICATE community will support the development of the project.

Are you a cultural institution, research centre, university or SME? Do you participate to other projects in the domain of the digital cultural heritage? Are you an e-infrastructure willing to cooperate with the cultural community? Are you interested in INDICATE activities?

Contact us at info@indicate-project.org for more information or download the cooperation agreement form from the INDICATE website (www.indicate-project.eu) and send it to the project's coordinator.

For a stronger cooperation among institutions, it's also possible to sign a Memorandum of Understanding, an official document which describes relationships and roles of cultural heritage actors and e-Infrastructures providers within INDICATE.

Which are the benefits?

- Being part of a new interdisciplinary cross-domain community, which will be at the core of the Digital Cultural Heritage Virtual Research Community;
- Being kept informed on the progress made by digital cultural heritage research and policies internationally;
- Participating in dissemination and training activities;
- Being able to use project materials and outcome within academic, educational and professional contexts.

The INDICATE Network of Common Interest

Join the INDICATE Community

One of the major challenges of INDICATE is to establish a factor linking existing administrative practices and cultural heritage institutions. These actors will need to work together to identify and know each other state of the art, to face, and as an example, there are many issues related to technical and guidelines for metadata in the cultural sector that are not known in the world of e-infrastructure, while defining knowledge of the guidelines standards is a job requirement for further development. INDICATE is a perfect framework to progress in this direction.

The INDICATE network will be naturally interrelated with the DC-NET network of common interest. The two projects share substantial partners and their common interests.

Within the network, INDICATE will:

- Create working groups dedicated to specific aspects of e-infrastructure-enabled cultural heritage which are relevant across national and regional boundaries;
- Host conferences, workshops and seminars on the convergence of e-infrastructure and Arts, Humanities and Social Sciences (AHSS) with a special focus on digital cultural heritage (DCH);
- Establish online tools and resources for the working groups, such as pilots and mailing lists.

The community aims to be a long-term collaborative group. Experience in similar projects indicates that the network will continue to add value for its members and to further beyond the lifetime of the project.

The INDICATE Pilots

INDICATE pilots aim to build capacity and experience the impact of key enabling e-Cultural applications in the e-Infrastructure platform. The results of the pilots are accessible through the INDICATE e-Cultural Services Gateway (http://indicate-project.eu/cultural-services-gateway/). Further information is available for interested groups which is required before each project can start. The activities selected may vary and the appropriate solutions, as well as their applicability across national and EU boundaries.

The experience gathered within the pilots is particularly important as it is key input to the key pilot work.

Semantic Search pilot

The INDICATE e-Infrastructure enables semantic search pilot, described as NLP (Natural Language Processing) which aims to enhance cultural metadata based on semantic analysis also benefiting from the characteristics of an e-Infrastructure set-up. In this pilot cultural data are transformed to a semantic model (DCH) data model. These specific fields of the data are enriched using domain specific vocabularies (the Ontologies and Classifiers). The transformed data are submitted to a semantic repository (SPARQL) that has been appropriately selected so that it can be set up on a test platform. In this way, the user can query the data, not only based on the initial fields of the metadata (e.g. location) but also on fields that provide additional information (e.g. location) and of historical procedures having been defined through the enrichment process. The set up on a test structure is the basis for semantic search with data availability and usability. The data of the INDICATE project and other projects such as JRC-IPRA and EUCROSS can be used as test basis for the pilot.



Ge-coded Digital Cultural Content

Aim of this case study is to define the data elements and to investigate how geo-location services could be applied to discover cultural content for education, long life learning, and children mobility. On the one hand the research follows the current approaches and new TICs applications processing of cultural content in digital domains: cultural tourism, cultural heritage, e-learning, e-art and other cultural areas, highlighting the possibilities and benefits of using the infrastructures. On the other hand it provides a listing of geo-coding and geotagging a services in digital culture, proposing the recommendations for the system providers. The focus will be primarily on geotagging and geo-coding and data infrastructures when dealing with geocoded digital cultural content.



The INDICATE Workplan

The INDICATE project consists of six work packages, each one covers a 20% of the total project contribution to the overall project. Below the work packages are listed in one another as described below and shown in the following figure.



- In order to achieve its objectives, INDICATE applies a process model which includes:
 - an international network of experts associated through working groups which focus on specific aspects of the project;
 - example driven collaborative research "pilot projects";
 - definition of international best practices;
 - dissemination and promotion of the project results, which is considered a key activity of projects actions.



Strategy and future plans

A specific work package is dedicated to the discussion about strategic and future plans. In fact, the INDICATE project is just one step on a long way to go. The workshop on strategies and future plans is organized by INDICATE. The workshop intends to bring together experts from each country and from background research in culture, infrastructures and the research. The aim is to explore opportunities, obstacles and plans which exist in each country and to seek the opportunities for harmonization. The results are submitted to policy groups in EC, ECRD, and disseminated through the network. The area of work is closely linked with the work on the development of the joint Activities Plan of INDICATE.

Dissemination

The key outcomes generated by INDICATE at over the European Union and around the Mediterranean are:

- an international network of experts;
- an international policy system;
- EU-wide policy groups (both at a EC and ECRD);
- action in Culture, infrastructure and research projects.

Coordination and cooperation extend beyond the end of the project, is an important objective of INDICATE. There is a particular emphasis within the project on reaching audiences not only in the EU but also around the Mediterranean and beyond (particularly in the Far East and in Latin America). This reflects the general mission of the project to spread expertise and experiences across the entire network of common values. One important conference is planned in Egypt in 2011.

