



**DURAARK**

<http://www.duraark.eu/>

FP7 - ICT - Digital Preservation

Grant Agreement No: 600908

### **D.8.8.3 Dissemination Report Year 1**

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## Executive Summary

In this deliverable, we present an overall report of the dissemination activities that were carried out during the first year of the DURAARK project to attain the objective of reaching out to targeted communities within and beyond the consortium. The dissemination report year 1 presents the scheduling of the dissemination activities during the first year and also presents the dissemination materials that were created, such as the project logo, website, poster, flyer, social media, and so forth. Furthermore, the master plan also contains a list of publications, such as conference and workshop papers, journal papers, press releases, blog entries, presentations, and online publications. The present document retrospectively assesses the dissemination activities carried out in the first year and proposes the dissemination plans for the next year with regard to dissemination material, publication strategies, and collaborative activities. Furthermore, the document discusses some criteria for evaluating and measuring the impact of dissemination activities.

# Table of Contents

<b>Executive Summary .....</b>	<b>3</b>
<b>1. Introduction .....</b>	<b>5</b>
<b>2. Joint Activities.....</b>	<b>6</b>
2.1 Project Logo.....	6
2.2 Project Website .....	6
2.3 Presentation Template.....	6
2.4 Project Flyer.....	6
2.5 Project Poster .....	6
2.6 Social Media .....	6
2.7 Events and Publication.....	6
<b>3. Partner Activities .....</b>	<b>7</b>
3.1 LUH (L3S/TIB) .....	7
3.2 UBO .....	9
3.3 FhA .....	10
3.4 TUE.....	11
3.5 CITA .....	12
3.6 LTU.....	14
3.7 CATENDA .....	15
<b>4. Clustering and Associated Partners.....</b>	<b>17</b>
<b>5. Assessment of Dissemination Plan for Year 1 .....</b>	<b>19</b>
<b>6. Overview of Dissemination Plan for Year 2 .....</b>	<b>21</b>
6.1 LUH (L3S/TIB) .....	21
6.2 UBO .....	23
6.3 FhA .....	24
6.4 TUE.....	24
6.5 CITA .....	25
6.6 LTU.....	26
6.7 CATENDA .....	26
<b>7. Conclusion .....</b>	<b>27</b>
<b>ANNEX-I: Snapshots from the DURAARK Website .....</b>	<b>28</b>
<b>ANNEX-II: Snapshots of the DURAARK Flyer Front.....</b>	<b>29</b>
<b>ANNEX-III: Snapshots of the DURAARK Poster.....</b>	<b>30</b>

# 1. Introduction

The purpose of this document is to present all the activities that were taken jointly and individually by the consortium partners during the first year of the project. The document will report the outcome of the dissemination master plan laid out in the deliverable D.8.8.2. The dissemination master plan was directed toward promoting the activities to spread the project results among the project partners and relevant target groups across the European community through publications, presentations, and written materials. Furthermore, the master plan focused on promoting the ideas and results of the DURAARK project and, at the same time, commercializing it. The present document (D.8.8.3) reports the dissemination activities that were realized in the first year. Furthermore, the document reports various promotional materials created and used by the project. Finally, the document presents an assessment of the activities carried out and revises or reinforces the existing dissemination plan for the upcoming year 2.

## 2. Joint Activities

This section describes the promotional activities jointly carried out by the DURAARK project partners in the first year.

### 2.1 Project Logo

The logo has been designed as shown in Figure 1. It is used in every DURAARK transaction. It is designed to represent the DURAARK concepts and vision.



Figure 1. DURAARK logo

### 2.2 Project Website

The DURAARK website ([www.duraark.eu](http://www.duraark.eu)) is online. It will serve as a standard communications tool to disseminate news, events, and achievements to the general audience (see attached snapshot of the DURAARK website in Annex-I). The DURAARK blog is listed on the project website.

### 2.3 Presentation Template

A template for presentations has been produced, which has a design inspired from the web format.

### 2.4 Project Flyer

The DURAARK flyer was created and is distributed at various events to create general awareness and engage interested communities (see attached snapshot of the DURAARK flyer in Annex-II).

### 2.5 Project Poster

The DURAARK project poster was created and circulated to all the project partners. The poster provides a general idea about the overall objective of the project. The poster is an easy and cost-effective way to engage our targeted communities and general public. (See attached snapshot of the DURAARK poster in Annex-III).

### 2.6 Social Media

The DURAARK consortium is participating in social networks such as Facebook and Twitter.

### 2.7 Events and Publication

The DURAARK consortium partners have co-authored several research articles that are listed on the project's website. Furthermore, the partners organized joint events such as an HCDL workshop and distributed the posters and flyers during the event. All the consortium partners are involved actively in exploring collaboration with industrial target groups to implement the DURAARK system.

### 3. Partner Activities

All DURAARK partners have been actively involved in the dissemination activities through their participation in various events and publications in conferences and journals. The project has reached out to the three targeted communities: General, Scientific and Industrial. This section provides the details of the past activities of the individual partners.

#### 3.1 LUH (L3S/TIB)

The specific dissemination activities of LUH (L3S/TIB) and outcomes are listed as follows.

What <sup>1</sup>	How <sup>2</sup>	When <sup>3</sup>	Who <sup>4</sup>	Why <sup>5</sup>	Outcomes <sup>6</sup>
Invited to present a talk at KnowEscape Workshop at Open Knowledge Conference (OKCon),  <a href="http://OKCon.org">http://OKCon.org</a> <a href="http://lanyrd.com/2013/knowescape/">http://lanyrd.com/2013/knowescape/</a>	Talk about Web Data profiling and curation.	Sep., 2013, Geneva	Archivists, Librarians, Open Data Experts	Dissemination of research	Involvement/clustering with KNOWESCAPE COST Action <a href="http://knowescape.org/">http://knowescape.org/</a> , particularly the Data Curation WG, led by DANS NL  Slides at: <a href="http://de.slideshare.net/stefandietze/knowescape-workshop-okcon-2013">http://de.slideshare.net/stefandietze/knowescape-workshop-okcon-2013</a>
The International Conference on Theory and Practice of Digital Libraries (TPDL) 2013,  <a href="http://www.libereurope.eu/event/17th-international-conference-on-theory-and-practice-of-digital-">http://www.libereurope.eu/event/17th-international-conference-on-theory-and-practice-of-digital-</a>	Presentation at 3rd International Workshop on Semantic Digital Archives (SDA) in conjunction with the 17th Int. Conference on Theory and Practice of	Sep., 2013, Valetta, Malta	Librarians, Archivists, Museums, Researchers & Practitioners in Metadata Management and	To create awareness of the DURAARK project	Paper at <a href="http://stefandietze.files.wordpress.com/2009/01/sda-2013-duraark-cam-ready.pdf">http://stefandietze.files.wordpress.com/2009/01/sda-2013-duraark-cam-ready.pdf</a>  Slides at: <a href="http://de.slideshare.net/stefandietze/towards-preservation-of-semantically-">http://de.slideshare.net/stefandietze/towards-preservation-of-semantically-</a>

<sup>1</sup> What events and activities, for example conference, journal, workshop, presentation, or activities, such as poster presentation, video presentation, etc.

<sup>2</sup> How to attend the events or execute activities

<sup>3</sup> When to attend or execute

<sup>4</sup> Who are the targeted communities, for example scientific, industrial, or architects

<sup>5</sup> Why to do the events or activities, for example, how will the action contribute to the DURAARK project in terms of dissemination and exploitation

<sup>6</sup> What are the outcomes of the proposed plan

<a href="#">libraries-valetta-malta-septem</a>	Digital Libraries (TPDL),		Semantic Technologies		<a href="#">enriched-architectural-knowledge</a>
World Wide Web conference 2014	Two papers submissions led by Ujwal Gadiraju and Besnik Fetahu, currently under review. Titles: -"How does a building make you feel? - Towards Tailored Mechanisms for Entity Ranking" "What's all the data about -Creating structured profiles of Linked Data on the Web"	Oct. 2013, Conference in June 2014, South Korea	Web researchers and practitioners of all kind	Dissemination of research	Review-in-progress
Invited talk at DEDICATE (Design's Digital Curation for Architecture) final semiar	Presentation about DURAARK project; member of round table discussion	Oct., 2013, University of Glasgow, Scotland	Librarians, Archivists, Researchers from the digital preservation field, researchers from the architecture field	Dissemination of Research	RCAHMS (Royal Commission on the Ancient and Historical Monuments of Scotland) and CyArk Europe showed high interest in project results; established contact to further discuss preservation needs with those two institutions.  Slides at: <a href="http://de.slideshare.net/lindlar/duraark-dedicate-glasgow">http://de.slideshare.net/lindlar/duraark-dedicate-glasgow</a>



Presentation at Digitale Langzeitarchivierung an Hochschulen“, Ex Libris and Humboldt-University	Presentation of the DURAARK project	Apr., 2013, Berlin, Germany	Librarian, Information Systems	To create awareness of the DURAARK project in the preservation community.	Slides at: <a href="http://www.ub.hu-berlin.de/shared/dokumente/benhmida">www.ub.hu-berlin.de/shared/dokumente/benhmida</a>
Rosetta Format Library Working Group (FLWG)	Brief report about project goals in connection with file format identification, characterization and validation	Aug. 2013, on-going process in future FLWG meetings	Digital Preservation Practitioners from Libraries and Archives, Ex-Libris Rosetta Users	To create awareness of the DURAARK project; to locate other Rosetta customers dealing with 3D objects	Two institutions stated that they will be ingesting IFC and/or E57 data within the next 3 years and have a high need for tool availability; bilateral contact has been established.

Table 2. Dissemination activities done by LUH (L3S/TIB)

### 3.2 UBO

The specific dissemination activities of UBO and outcomes are listed as follows.

What	How	When	Who	Why	Outcomes
Eurographics Workshop on 3D Object Retrieval <a href="http://3dor2014.ensea.fr/">http://3dor2014.ensea.fr/</a>	Paper submission	Apr., 2014, France	Computer graphics community	Dissemination of research done in WP4/5	Contribution was submitted in December 2013, currently under review.
GRAPP – International Conference on Computer Graphics Theory and Applications <a href="http://www.grapp.visigrapp.org/">http://www.grapp.visigrapp.org/</a>	Paper submission	Jan., 2014, Lisbon, Portugal	Computer graphics community	Dissemination of research done in WP4/5	The paper was accepted for oral presentation. Paper available at: <a href="http://cg.cs.uni-bonn.de/aigaion2root/attachments/GRAPP_2014_54_CR.pdf">http://cg.cs.uni-bonn.de/aigaion2root/attachments/GRAPP_2014_54_CR.pdf</a>  Slides available at: <a href="http://cg.cs.uni-bonn.de/aigaion2root/attachments/grapp2014_presentation_red.pdf">http://cg.cs.uni-bonn.de/aigaion2root/attachments/grapp2014_presentation_red.pdf</a>

Table 3. Dissemination activities done by UBO

### 3.3 FhA

The specific dissemination activities of FhA and outcomes are listed as follows.

What	How	When	Who	Why	Outcomes
Tagung Digitale Bibliothek Kulturelles Erbe in der Cloud <a href="http://dhd-blog.org/?p=2328">http://dhd-blog.org/?p=2328</a>	Poster submission	Nov. 2013, Graz, Austria	Academia (and industry) in DL and cultural heritage (CH)	To create awareness of the DURAARK project in the CH community.	The poster was presented at the conference. A number of interesting discussions have taken place and cooperation interests for future joint proposals were indicated. Poster at: <a href="https://svn.l3s.uni-hannover.de/duraark/Publications/2013">https://svn.l3s.uni-hannover.de/duraark/Publications/2013</a>
Fraunhofer Austria Report – quarterly newsletter, edition 1-2013	Printed version send to a large mailing list in Austria and Germany, online Version on the Web page	Jun., 2013, Austria	Academia, Industry and politics	To create awareness of the DURAARK project in Austria and Germany	Report will be presented in the given website, <a href="http://www.fraunhofer.at/content/dam/austria/documents/Reports/FhA_Report_2013_1.pdf">http://www.fraunhofer.at/content/dam/austria/documents/Reports/FhA_Report_2013_1.pdf</a>
“Bauen auf Fraunhofer”, Austria <a href="http://www.fraunhofer.at/de/aktuelles/veranstaltungenkalender/bauen_auf_Fraunhofer1.html">http://www.fraunhofer.at/de/aktuelles/veranstaltungenkalender/bauen_auf_Fraunhofer1.html</a>	Networking-Event, presentation of the DURAARK project	Sep., 2013, Graz, Austria	Potential industrial users and architects.	To create collaboration with industrial partners. to create awareness of the DURAARK project.	Slide presentation, interested guests proposed future cooperation in other projects
“5 Jahre Fraunhofer”, Austria Science meets business workshop at the 5 <sup>th</sup> anniversary of FhA	The DURAARK Presentation at workshop	Nov. 2013, Graz, Austria	Academia, industry and politics	To create awareness of the DURAARK project	Publishing the project objectives

Table 4. Dissemination activities done by FhA

### 3.4 TUE

The specific dissemination activities of TUE and outcomes are listed as follows.

What	How	When	Who	Why	Outcomes
CIB w78 (IT in Architecture Engineering and Construction) <a href="http://2013cibw78.civil.tsinghua.edu.cn/">http://2013cibw78.civil.tsinghua.edu.cn/</a>	Paper submission	Oct., 2013, Beijing, China	Architecture, Engineers and Constructors	To create awareness	Slides at: <a href="http://www.slideshare.net/JakobBeetz/duraark">http://www.slideshare.net/JakobBeetz/duraark</a>
Goportis Conference 2013 on “Non-Textual Information Strategy and Innovation Beyond Text” <a href="http://www.nontextualinformation2013.de/">http://www.nontextualinformation2013.de/</a>	Presentation	Mar., 2013, Hannover, Germany	The Network of the German National Libraries of Science and Technology (TIB in Hannover), Medicine (ZB MED in Cologne/Bonn) and Economics (ZBW in Kiel/Hamburg).	To create awareness	
buildingSMART international technical meeting	Presentation	Nov., 2013, Tokyo, Japan	Standardisation organisation	To raise awareness of standardisation contributions from the project to this standardisation body	
CB-NL project community	Presentation		Building and infrastructural sector in the Netherlands	National effort to create concept libraries for the building and infrastructural sector in the Netherlands	
The International Conference on Theory and Practice of Digital Libraries (TPDL) <a href="http://www.libereurope.eu/event/17th-international-conference-on-theory-">http://www.libereurope.eu/event/17th-international-conference-on-theory-</a>	Presentation at 3rd International Workshop on Semantic Digital Archives(SDA) in conjunction with the 17th Int. Conference on	Sept., 2013, Valetta, Malta,	Librarians, Archivists, Museums, Researchers & Practitioners in Metadata Management and Semantic Technologies	To create awareness of the DURAARK project.	Paper at <a href="http://stefandietze.files.wordpress.com/2009/01/sda-2013-duraark-cam-ready.pdf">http://stefandietze.files.wordpress.com/2009/01/sda-2013-duraark-cam-ready.pdf</a>  Slides at: <a href="http://de.slideshare.net/stefandietze/towards-preservation-of-semantically-enriched-architectural-knowledge">http://de.slideshare.net/stefandietze/towards-preservation-of-semantically-enriched-architectural-knowledge</a>

<a href="#">and-practice-of-digital-libraries-valetta-malta-septem</a>	Theory and Practice of Digital Libraries (TPDL),				
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Table 5. Dissemination activities done by TUE

### 3.5 CITA

The specific dissemination activities of CITA and outcomes are listed as follows.

What	How	When	Who	Why	Outcomes
Confluence Digital Practice symposium <a href="http://cita.karch.dk/Menu/Events/Confluence+(2012)">http://cita.karch.dk/Menu/Events/Confluence+(2012)</a>	CITA hosted international symposium on data flow from design to site	Nov. 2012, Copenhagen, Denmark	Digital Practice and BIM specialists	Dissemination of research, practice and networking	Increased knowledge and network in practice and research communities
ARK BIM <a href="http://arkbim.blogspot.dk/2013/04/bim-og-arkitektvirksomhederne-en-status.html">http://arkbim.blogspot.dk/2013/04/bim-og-arkitektvirksomhederne-en-status.html</a>	Conference for Architectural BIM forum in Denmark	Dec. 2012, Copenhagen, Denmark	BIM specialists from studios and building owners	Establishing a network between the academic community and studios with BIM practice	A knowledge sharing network of studios called ARKBIM
IFC user experience seminar <a href="http://bips.dk/nyhed/brugererfaringer-med-ifc-netvaerksmøde-28-maj">http://bips.dk/nyhed/brugererfaringer-med-ifc-netvaerksmøde-28-maj</a>	Attending the seminar at the School of Architecture	Mar. 2013, Copenhagen, Denmark	IFC stakeholders in the AEC industry	Dissemination of research, practice and networking	Increased knowledge and network in practice and research communities
BIM UK Conference, BIM Aarhus <a href="http://bimaarhus.dk/bim-uk-2/">http://bimaarhus.dk/bim-uk-2/</a>	Attending the conference at the School of Architecture, Aarhus, Denmark	Oct. 2013, Aarhus, Denmark	UK and Danish BIM specialists and students in the AEC industry	Dissemination of research, practice and networking	RIBA contact and BIM data acquired.

The DURAARK presentations with potential stakeholders	Power point presentation at stakeholder venues	Mar.- Oct. 2013, Denmark	CCO Architects/ Copenhagen Pihl&Sons Entrepreneur/ Denmark Rørbæk&Møller Architects/ Copenhagen Studio PLH Architects/ Copenhagen Agency for Palaces and Cultural Properties/ Denmark Erik Møller Architects/ Copenhagen Danish Technical University/ Copenhagen Schmidt Hammer Lassen Architects/ Copenhagen LE34 Land surveyor/ Copenhagen Cuneco - Denmark Københavns Ejendomme / Copenhagen Plan3d / Berlin	Aim to include stakeholder as the DURAARK partner and acquire real world data.	All identified as stakeholders and included as partners. Many contributed real world data.
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Table 5. Dissemination activities done by CITA

### 3.6 LTU

The specific dissemination activities of LTU and outcomes are listed as follows.

What	How	When	Who	Why	Outcomes
NOKOBIT Conference, Norway <a href="http://www.nokobit.no/">http://www.nokobit.no/</a>	Paper submission	Nov., 2013, Norway	Information Systems Scientific Group	To create awareness of the DURAARK project in the scientific community.	Paper titled “Long-term preservation of 3D architectural building data: a literature review” was <i>presented</i> . The <i>target group</i> of this dissemination activity was academia and practitioners from IT sectors. The total <i>number of participants</i> was around 100. The paper <i>aroused interest on this topic</i> among the participants, and they realized that it is a relevant issue for <i>IS academia and practice</i> . Paper available at, <a href="http://www.tapironline.no/fil/vis/1301">http://www.tapironline.no/fil/vis/1301</a>
ENSAM seminar, Sweden	Attending the seminar and making presentation of the DURAARK project	Oct., 2013 at the National Library, Stockholm, Sweden	ENSAM is a Swedish National corporation group on digital preservation	To create awareness among the preservation community	ENSAM has now its main focus on health care information. Preservation of 3D objects will come later. Interesting project.
Industrier i Norr Workshop, Sweden	Arranging the seminar and making presentation of the DURAARK project	Aug., 2013, Luleå, Sweden	Cluster of potential industrial users (LKAB, SSAB, Boliden, Smurfit Kappa, Vattenfall) who work together on challenges that are not their core business. One of them is reuse of 3D models.	To create collaboration with industrial partners, especially regarding requirements	These heavy industries often make changes in order to optimise the production flow. In this work they have problems to reuse previous produced 3D models, which impose additional costs. But the machines etc for the production flow isn't covered by the IFC model. All other aspects of interest, especially how to use scanned point clouds.
Long-term preservation day: National Archives and National Library, seminar	Arrange the seminar and present state and plans for the project	Oct., 2013, Stockholm, Sweden	National Archives and National Library in Sweden	To create awareness and get feedback on requirements	The National Archives have not yet any 3D objects in their collection, but will be forced to deal with these in the future. But no requirements were put forward.

Table 6. Dissemination activities done by LTU

### 3.7 CATENDA

The specific dissemination activities of CATENDA and outcomes are listed as follows.

<b>What</b>	<b>How</b>	<b>When</b>	<b>Who</b>	<b>Why</b>	<b>Outcomes</b>
PIX (Product Information eXchange, EU project)	Workshop	Oct., 2013, Norway	Researchers and industrial partners	Relevant in context of the participants in PIX	The workshop participants got information about the DURAARK project.
“Den Kloke Tegning” (Norway)	Exhibition and meeting place for the construction industry	Oct., 2013, Norway	Construction industry participants	Meeting with the industry	Talked about the DURAARK with industry people. (350 present, talked to about 10 face-to-face about DURAARK)
ProductInfoX meeting Rome.	Update on the status from the DURAARK for the members of the various subgroups of ProductInfoX.	Oct., 2013, Rome, Italy	Researchers and industrial partners	Relevant for the participants since many of them work with buildingSMART.	The participants got updated information about the DURAARK project.
Bygg Reis Deg (Norway)	Exhibition and meeting place for the construction industry.	Oct., 2013, Norway	Construction industry participants	Meeting with the industry	Talked about the DURAARK with industry people (50 thousand present, talked to about 10 face-to-face about the DURAARK)
buildingSMART meetings in Munich	Meeting with the buildingSMART organisations.	Oct., 2013, Munich, Germany	Standardization organisational members	The groups developing the buildingSMART industry standard	We brought up the DURAARK on several occasions.
Meeting with Østfold county in Norway	Presentation about bimsync.	Sep., 2013, Norway	Administration and property developers	Relevant for big property owner	Told them about the DURAARK (20 people)
Information meeting with Norwegain Defence.	Informed about the DURAARK to key personal from BIM strategy in The Norwegian Defence Estates Agency (NDEA).	Sep., 2013, Norway	Property managers and developers	Very relevant for NDEA since they own a very large portfolio of buildings.	NDEA was made aware of DURAARK.
Meetings with two software companies in	Told the companies about the	Jun., 2013, Bulgaria	Software developers	Relevant for technical implementation of	Told them about the DURAARK (10 people)

Bulgaria (related to buildingSMART)	DURAARK project.			potential extension of IFC standard	
ProductInfoX meeting	Informed about the DURAARK and how it could be relevant for long time storage of object library data.	May, 2013, Brussels, Belgium	Researchers and industrial participants	Relevant for the participants since many of them work with buildingSMART.	The participants got updated information about the DURAARK project.
Startup-seminar	Talked about the DURAARK	8-12 Apr., 2013, Boston (Babson College),. USA	Start-up managers	Important for Catenda as a Startup (the context of the seminar)	The 30 people present got information about DURAARK.
buildingSMART meetings	Meeting with the buildingSMART organisations.	Mar., 2013, Waltham, USA	Standardization organisational members	The groups developing the buildingSMART industry standard	We brought up the DURAARK on several occasions (100 people present)
Startup seminar for a new BIM education	The DURAARK was part of the program	Mar., 2013, Fredrikstad, Norway	Managers and educators	Introduction to BIM.	Made some people learning about BIM aware of the DURAARK project.

**Table 7. Dissemination activities done by CATENDA**



## 4. Clustering and Associated Partners

Other projects (and organisations) work or have worked on related themes as the DURAARK project. In order to learn from other projects or make research, development or dissemination activities more effective, we seek different levels of interaction with other projects. The interaction can be of any kind between learning from results to active cooperation.

Below are some start-ups on clustering activities.

**BuildingSMART**<sup>7</sup> - is a world-wide alliance driving the development of open internationally recognised standards, among others the IFC standard we use in the DURAARK project. Thomas Liebich, who is active within building SMART is a member of the DURAARK Advisory Board.

**Timbus**<sup>8</sup> – is a FP7 project that focuses on **resilient business processes**. Andreas Rauber who is part of the **Project Co-ordination Committee** is also a member of the DURAARK Advisory Board.

**APARSEN**<sup>9</sup> – the objective of this project is to look across the excellent work in digital preservation which is carried out in Europe and to try to bring it together under a common vision. Currently we plan to participate in a workshop they organize at the TPD Conference in London.

**ForgetIT**<sup>10</sup> – L3S and LTU are both participating in ForgetIT and DURAARK, while ForgetIT is dealing with the urgent problem of selecting Web data and knowledge for preservation as well as targeted "forgetting". The topic is of high relevance for DURAARK's preservation efforts and we are planning research collaborations and joint publications.

**KNOWeSCAPE**<sup>11</sup> – is a European COST Action dealing with the mapping, discovery and analysis of knowledge across the Web. KNOWeSCAPE tackles this urgent problem through networking and capacity-building activities. L3S has participated in one of KNOWeSCAPE workshops<sup>12</sup> (19 September 2013, Geneva, collocated with OKCon 2013), where DURAARK coordinator Stefan Dietze gave an invited talk and also introduced DURAARK. Further exchanges are envisaged.

**3D-COFORM**<sup>13</sup> - Capture methods, modelling tools and data formats, information to be kept in the metadata for ingest to repository. Primary we will seek to use their results.

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<sup>7</sup> <http://www.buildingsmart.org>

<sup>8</sup> <http://timbusproject.net/>

<sup>9</sup> <http://www.alliancepermanentaccess.org/index.php/aparsen/>

<sup>10</sup> <http://www.forgetit-project.eu/en/start/>

<sup>11</sup> <http://knowescape.org/>

<sup>12</sup> <http://lanyrd.com/2013/knowescape/>

<sup>13</sup> <http://www.3d-coform.eu/>

## **Associated partners**

### **LE34<sup>14</sup> and Landmålergården<sup>15</sup>**

The two companies merged in 2014 and are amongst the biggest and most experienced land surveying companies in Denmark. Both offer the full spectrum of surveying techniques in all areas of civil engineering and architecture. They share their experience and insights with the DURAARK consortium. This reaches back to the beginnings of laser scanning and digital processing of surveying. Both companies have their own development departments that will provide their insights and tools for reference to the DURAARK project. They are giving advice on the requirements and methods that DURARAK shall pursue and will partake in case studies and evaluation of the developed approaches.

### **Plan3D<sup>16</sup>**

The Berlin based scanning company is supporting the DURAARK project with datasets from their 3d laser scanning practice and insights in their processes. They are giving advice on the integration of DURAARK approaches in their practice and will participate in the case studies and evaluation of these in a later stage.

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<sup>14</sup> <http://www.landmaalergaarden.dk/>

<sup>15</sup> <http://www.landmaalergaarden.dk/>

<sup>16</sup> <http://www.plan3d.com>

## 5. Assessment of Dissemination Plan for Year 1

Description	Projected in D.8.8.2	Achieved
Paper submission	16	5
Attend seminar	7	7
Attend trade fare	2	2
Presentations in seminars and workshops	13	13
Networking activities	1	1
Event hosting	1	1

**Table 8. Summary of dissemination activities projected and achieved**

This section assesses the dissemination activities of year 1. As shown in table 8, the proposed master plan D.8.8.2 focused on creating awareness among three targeted communities: scientific, general, and industrial. As reported in Section 2 and Section 3, the DURAARK project has been successful in raising awareness through various collective and individual activities. The project partners have published 6 peer-reviewed articles. The number of articles are not significant in terms of numbers, however these publications has been done in the initial stage of the project and some of the submissions are still under review process. Besides publications and events, the project also conducted various activities to make the dissemination plan more effective. For example, the project created its website to share information on the latest developments and on-going activities to the general audiences. The website is very important in terms of dissemination activities. The project constantly updates its website with project progress and also announces events. The statistics so far show that the number of visitors on the DURAARK website is around 200 per week. Social media such as Twitter and Facebook have been used to bring together project members and the interested general audience. The current statistics show that Twitter has around 30 followers and Facebook has 30 members. In the subsequent year, the project needs to monitor this number and apply different strategies to increase the visibility of the website vis-à-vis the number of visitors, followers, and members. For example, there have been some changes in the structure of the website, and consortium partners will increase the tweets by broadcasting all the individual as well as collective events and activities. There are questions on the continuation of Twitter and Facebook; so far there is no clear indication of how these media can add value to this particular project. However, the number of tweets and followers can increase with the progression of the next DURAARK cycle. The website also contains a blog where consortium partners can post their ideas and comments on issues regarding preservation of the 3D architectural model. The blog provided an opportunity for the partners to discuss the issues beyond regular emails and discussions with the designated communities as well. The blog started with a slow pace; it is now gaining momentum with the active involvement of the consortium partners. The blog will appear more frequently by adding news and opinions along with published articles. Similarly, Wiki and mailing lists have been used actively to form a shared understanding among consortium partners. The platform is also useful to discuss key issues and possible solutions.

The project has a printed flyer and poster with project information. It has been distributed at various events. The flyer and poster are created through active discussion among consortium partners. The printed materials briefly summarize the existing problems in the preservation of 3D architectural models and the DURAARK's proposed solutions. To improve the quality further, suggestions were made to include a summary of the use cases in the flyer and poster during the DURAARK second general assembly meeting. Therefore, the flyer and poster will be revised and made more understandable for general, scientific, and industrial communities. One of the major challenges in the

dissemination activities was the lack of collaboration with other related projects or industrial partners. The advisory board in the second general assembly meeting strongly suggested that there is a need to formulate specific strategies to increase the collaboration with other related projects.

The regular interaction between consortium partners and targeted communities bring new ideas and strategies about how to increase the awareness of the DURAARK project. The dissemination master plan presented in the D.8.8.2 is a guideline to create general awareness among various communities. The pending issues in the master plan will be implemented in the upcoming phases. The general overview of forthcoming dissemination plans are highlighted in the following Section 5.

## 6. Overview of Dissemination Plan for Year 2

This section provides the details of the planned activities of the individual partners.

### 6.1 LUH (L3S/TIB)

The specific dissemination plans of LUH (L3S/TIB) are listed in the following table.

What	How	When	Who	Why
The International Conference on Theory and Practice of Digital Libraries (TPDL) jointly organised with Joint Conference on Digital Libraries (JCDL)	Attending the seminar and making presentation of the DURAARK project	Sep., 2014, London	Librarian, Archivists, Museums	To create awareness of the DURAARK project in the librarian community.
iPRES, Melbourne, Australia	Attending the seminar and making presentation of the DURAARK project	Oct., 2014, Melbourne, Australia	Librarian, Archivists, Museums, Information Systems, Scientific Group	To create awareness of the DURAARK project in the preservation community.
Extended Semantic Web Conference 2014	Paper submission, attendance	May, 2014, Greece	Web and Semantic Web/Linked Data community	Creating awareness of Semantic Enrichment work in the DURAARK; research on related work
International Semantic Web Conference 2014	Paper submission, attendance	Nov., 2014, Italy	Web and Semantic Web/Linked Data community	Creating awareness of Semantic Enrichment work in the DURAARK; research on related work
Archiving 2014	Attending the seminar and making presentation of the DURAARK project	May, 2014, Berlin, Germany	Librarian, Archivists, Museums, Information Systems	To create awareness of the DURAARK project in the librarian and archiving community.
LIBER (Ligue des	Attending the seminar	Oct., 2014,	Librarian, Information	To create awareness of the DURAARK

BibliothèquesEuropéennes de Recherche - Association of European Research Libraries)	and making presentation of the DURAARK project	Barcelona, Spain	Systems	project in the librarian community.
BAU 2015, Munich	Attending the tradefare and making presentation of the DURAARK project	Jan., 2015, Munich, Germany	Architects	To create awareness of the DURAARK project in the architects community.
Open Planets Foundation Hackathons	Attending the seminar and making presentation of the DURAARK project	2014	Librarian, Archivists, Museums, Information Systems, Scientific Group	To create collaboration with development partners
nestorPraktikertag, Hannover	Attending the seminar and making presentation of the DURAARK project	Jun., 2014, Hannover, Germany	Librarians, Archivists, Digital Preservation Practitioners	To create awareness of the DURAARK project in the preservation community.
6 <sup>th</sup> Qualitative and Quantitative Methods in Libraries International Conference (QQL2014)	Paper submission, attendance	May, 2014, Turkey	Librarians, Archivists	To create awareness of the DURAARK project in the preservation community
Jahrestagung der Vereinigung der Landesdenkmalpfleger (VdL) 2014	Presentation, attendance	Jun., 2014, Germany	Building Conversavationists, Architects	To create awareness of the DURAARK project in the building conservationist community

**Table 1. Dissemination activities planned by LUH(L3S/TIB)**

## 6.2 UBO

The specific dissemination plans of UBO are listed in the following table.

<b>What</b>	<b>How</b>	<b>When</b>	<b>Who</b>	<b>Why</b>
VMV – Vision Modeling and Visualization	Paper submission	Sep., 2014, Germany	Computer graphics and computer vision communities	Dissemination of research done in WP4/5
SMI – Shape Modeling International Conference	Paper submission	Oct., 2014, Hong Kong	Researchers, developers, students & practitioners	Dissemination of research done in WP4/5
WSCG – International Conference in Central Europe on Computer Graphics, Visualization and Computer Vision	Paper submission	Jun., 2014, Czech Republic	Computer graphics and computer vision communities	Dissemination of research done in WP4/5
Computers & Graphics (Journal)	Paper submission	2013/2014	Computer graphics community	Dissemination of research done in WP4/5
IEEE Computer Graphics and Applications (Journal)	Paper submission	2013/2014	Computer graphics community	Dissemination of research done in WP4/5
Computer Graphics Forum (Journal)	Paper submission	2013/2014	Computer graphics community	Dissemination of research done in WP4/5

**Table 2. Dissemination activities planned by UBO**

### 6.3 FhA

The specific dissemination plans of FhA are listed in the following table.

What	How	When	Who	Why
ELPUB: International Conference on Electronic Publishing	Paper submission	2014	Academia (and industry) in DL	Dissemination of the DURAARK with respect to preservation of architectural models
Theory and Practice of Digital Libraries (TPDL)	Paper submission	2014	Academia (and industry) in DL	Dissemination of the DURAARK with respect to preservation of architectural models
“Bauen auf Fraunhofer”, Austria	Networking-Event	Sep., 2013	Potential industrial users and architects.	To create collaboration with industrial partners.

**Table 3. Dissemination activities planned by FhA**

### 6.4 TUE

The specific dissemination plans of TUE are listed in the following table.

What	How	When	Who	Why
Joint CIB W78, EG-ICE, ICCCBCE conference, Florida	Paper submission	Aug., 2014	Construction informatics, Civil engineers, architects	Create awareness for DLP; present first results of DURRAARK
ECPPM conference, Cardiff	Paper submission	2014	Construction informatics, Civil engineers, architects	Create awareness for DLP; present first results of DURRAARK
EG-ICE conference 2014, Vienna	Paper submission	2014	Construction informatics, Civil engineers, architects	Create awareness for DLP; present first results of DURRAARK
DDSS conference 2014, Eindhoven	Paper submission	2014	Construction informatics, Civil engineers, architects	Create awareness for DLP; present first results of DURRAARK
buildingSMART ITM technical meeting	Presentation	2014	Software vendors, users, research institutions	Promote standardization of the DURAARK (meta data) specifications
Automation in Construction	Journal paper submission	2014 or 2015	Construction informatics, Civil engineers, architects	present first results of DURRAARK
Advanced Engineering Informatics	Journal paper submission	2014 or 2015	Engineering informatics	present first results of DURRAARK
Computer Aided Design	Journal paper submission	2014 or 2015	Engineering informatics, Computer Graphics	present first results of DURRAARK
Multiple trans-disciplinary publication collaboration with the DURAARK consortium members	2013-2015			

**Table 4. Dissemination activities planned by TUE**



## 6.5 CITA

The specific dissemination plans of CITA are listed in the following table.

What	How	When	Who	Why
Bentley User Meeting 2013	Attending the seminar and making presentation of the DURAARK project	Nov., 2013 Vejele, Denmark	Users of Bentley CAD and BIM software	To create awareness of the DURAARK project in the CAD/BIM community and establish useful contacts.
10th European Conference on Product & Process Modelling <a href="http://info.tuwien.ac.at/ecppm/abstracts-and-papers">http://info.tuwien.ac.at/ecppm/abstracts-and-papers</a>	Attending the conference and make contacts in the industry	Sep., 2014	Users of BIM and/or point cloud technology	To create awareness of the DURAARK project in the CAD/BIM community and establish useful contacts.
2014 EG-ICE: TOWARDS NEW GENERATION SMART BUILT ENVIRONMENT <a href="http://egice2014.engineering.cf.ac.uk/index.php?option=com_content&amp;view=article&amp;id=89&amp;Itemid=502">http://egice2014.engineering.cf.ac.uk/index.php?option=com_content&amp;view=article&amp;id=89&amp;Itemid=502</a>	Attending the conference and make contacts in the industry	Jul.,2014	Users of BIM and/or point cloud technology	To create awareness of the DURAARK project in the CAD/BIM community and establish useful contacts.
ISPRS TC IV SYmposium <a href="http://www2.isprs.org/2014tc4symposium/index.html">http://www2.isprs.org/2014tc4symposium/index.html</a>	Attending the conference and make contacts in the industry	May 2014, Suzhou, CHINA	Users of BIM and/or point cloud technology	To create awareness of the DURAARK project in the CAD/BIM community and establish useful contacts.
ISPRS Joint international conference on Geospatial Theory, modeling and applications <a href="http://www2.isprs.org/2014GeoTPMA/calls.html">http://www2.isprs.org/2014GeoTPMA/calls.html</a>	Attending the conference and make contacts in related fields of research	Oct., 2014 Toronto	Users of BIM and/or point cloud technology	To create awareness of the DURAARK project in the CAD/BIM community and establish useful contacts.
GIScience 2014 Eighth International Conference on Geographic Information Science <a href="http://www.giscience.org/">http://www.giscience.org/</a>	Attending the conference and make contacts in related fields of research	Sep., 2014 Vienna	Users of BIM and/or point cloud technology	To create awareness of the DURAARK project in the CAD/BIM community and establish useful contacts.
International LiDars Mapping Forum (ILMF) <a href="http://www.lidarmap.org/ILMF.aspx">http://www.lidarmap.org/ILMF.aspx</a>	Attending the conference and make contacts in the industry	Feb., 2014 Colorado	Users of BIM and/or point cloud technology	To create awareness of the DURAARK project in the CAD/BIM community and establish useful contacts.

<a href="http://www.lidarmap.org/international">http://www.lidarmap.org/international</a>				
ISPRS CONGRESS IN 2016	Attending the conference and make contacts in related fields of research	Jul., 2016 Prague	Users of BIM and/or point cloud technology	To disseminate our findings and establish useful contacts
ACADIA Conference	San Francisco, N.N.	Oct. 2014, Oct 2015	Architects and architectural researchers	To disseminate our findings and establish useful contacts

Table 5. Dissemination activities planned by CITA

## 6.6 LTU

The specific dissemination plans of LTU are listed in the following table.

What	How	When	Who	Why
iPres 2014 conference (6-10 October, Melbourne)	Paper submission	Apr., 2014	Digital preservation community	To spread awareness about the DURAARK project and to build the network
Exploring potential Industrial users for the DURAARK product	Seminar and Meetings	2014	Industrial users	To fulfil the part of exploitation strategy
Update of the website	By changing the look, adding more news, events and published articles	2014	General audience	To increase the visibility of the DURAARK project

Table 6. Dissemination activities planned by LTU

## 6.7 CATENDA

The specific dissemination plans of CATENDA are listed in the following table.

What	How	When	Who	Why
Exploring the potential industrial partners	Face-to-face meeting and seminars	2014	Industrial users	To exploit the market for the DURAARK product

Table 7. Dissemination activities planned by CATENDA

## 7. Conclusion

The document has reported various activities conducted by partners individually and collectively with regard to dissemination of the project ideas, initial results, and on-going promotional activities. The dissemination activities were targeted to three major audiences: general, scientific, and targeted (industrial). These audiences were addressed through various events such as conferences, seminars, workshops, and promotional materials such as flyers, posters, websites, and social media. The past activities showed that all three audiences were represented in the dissemination activities. We also made quantitative and qualitative assessment based on the achievements. Based on the assessment, the deliverable D.8.8.3 suggests increasing the use of online media in the second year, and also emphasized clustering with other project partners to maximize the result and impact. The achieved results have only been established in year one and higher publication and presentation numbers are expected for year 2, as indicated in chapter 6. Finally, the document also listed the overview of next year's plan of consortium partners.

# ANNEX-I: Snapshots from the DURAARK Website



Home About Consortium Use Cases Research Results Advisory Board Contact Blog

## DURAARK

February 8, 2012 | Filed under: Home

DURAARK (Durable Architectural Knowledge) will tackle the challenge of building a secure and efficient long-term preservation solution for 3D architectural data. DURAARK is funded by the European Commission within the 7th Framework Programme (Grant Agreement no: 600908).



## GA meeting

May 17, 2013 | Filed under: Home

The 1st DURAARK GA meeting takes place in Bonn, Germany on June 25-26, 2013.



## Kickoff Meeting

May 15, 2013 | Filed under: Home

Kickoff Meeting was held in Hannover, Germany on March 20th to 22nd, 2013. Some pictures from the meeting, click for larger images:

## Advisory Board

May 6, 2013 | Filed under: Home

New page, "Advisory Board", is created.

### DURAARK

DURAARK (Durable Architectural Knowledge) is an EU funded project that started on February 1, 2013. Duration 36 months.

### RECENT POSTS

- GA meeting
- Kickoff Meeting
- Advisory Board
- DURAARK Blog
- Long-term Digital Preservation

### ARCHIVES

- May 2013
- April 2013
- February 2013
- October 2012
- February 2012

### CATEGORIES

- Blog
- Home

### SOCIAL MEDIA



### META

- Log in
- Entries RSS
- Comments RSS
- WordPress.org

### TALKING ABOUT

- Blogpost Consortium Kick-off
- LOP Meetings
- News Partners Picture
- Web



# ANNEX-II: Snapshots of the DURAARK Flyer Front

**PROBLEM AND PROJECT**

DURAARK is a three year research project and tackles the challenge of developing secure and efficient long-term archival processes for 3D architectural data. The project has a focus on the combination of unstructured data from point clouds and highly structured data from Building-Information-Modelling (BIM) environments and will develop strategies to search and detect architecturally meaningful information in the automatically created rich data in order to overcome current problems that inhibit a successful long-term preservation of 3D architectural content.

**Problems to tackle**

- // Non-existent semantic relations between architectural representations in Building Information Models, point clouds and geo-referenced data from web and images.
- // No automated systems to detect and search for architectural structures in point clouds.
- // Heterogeneous and inconsistent metadata schemes and ontologies for the description of building elements and their properties in highly enriched BIM models.
- // Fast changing development of architectural software, files and referenced web-based data as metadata schemes prohibits successful and easy long-term archival for companies and institutions.

**CONTACT**

WEBSITE  
[www.duraark.eu](http://www.duraark.eu)  
 CONTACT  
[contact@duraark.eu](mailto:contact@duraark.eu)  
 Follow us on Facebook and Twitter

**COMBINATION AND SEARCH**

**3D Scan**

**BIM Data**

**Photography**

**AIM AND APPROACH**

The DURAARK project will develop query and preservation tools that are tailored to the domain of architectural 3D content. The objective is to ensure future-proof use of long-term archives, using open file standards and providing techniques to gain new architectural information through enrichment and automated combination of heterogeneous data. The research will be developed, implemented and evaluated with partners from the professional communities in architecture, engineering and building administration. Cases and short-term hands-on projects will help to guide and evaluate the overall project.

**DURAARK will develop**

- // Methods for a metadata rich long-term archival of architectural content with its vast domain-specific spectrum of semantic detail levels and fragmented nature of naming schemes and dynamic references to other web-based content.
- // Tools to automatically link point cloud scans and BIM data and the enrichment of architectural data with other georeferenced content as images and semantic information from the web.
- // Queries on point clouds and BIM data in order to allow a future long-term archive to answer questions as they appear in a practice that needs to work seamlessly across heterogeneous sets of data.
- // Tools for the automatic detection of architectural meaningful structures as walls, openings and floors in point clouds.
- // Means to allow queries about the changing state to buildings by accessing data from different periods of time.

**PARTNERS**

The DURAARK project team combines collaborators from computer science, architecture and knowledge managements from universities and companies from the Netherlands, Austria, Germany, Denmark, Sweden and Norway.

**DURAARK is funded by the European Commission within the 7th Framework Programme.**  
 Grant Agreement no. 602000



## ANNEX-III: Snapshots of the DURAARK Poster

