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## ***ENUMERATE***

### **Overview of Harmonisation Tools**

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## **1 Executive summary**

This document is an overview of validation and harmonisation tools concerning terminology, digitisation costs, collection types and web-statistics. New tools will be added as they are submitted to the ENUMERATE project team. An up-to-date online version of all the tools and links that ENUMERATE collects is available in Delicious.com (user: enumeratesources).

## **2 Introduction: Harmonisation and Validation**

This deliverable compiles and describes tools and other instruments that are beneficial to the entire ENUMERATE Thematic Network. These tools have been designed to achieve standardisation or at least harmonisation in specific areas in the cultural heritage sector. In the context of ENUMERATE, the most important tools concern:

1. Terminology: These tools enhance the understanding of phrases or even jargon that is used in the ENUMERATE Core Questionnaire.
2. Costs of digitisation: These tools help to assess components of cost structures of digitisation activities
3. Collection type analysis: These tools are created to make uniform typologies of cultural heritage collections as kept by memory institutions
4. Web statistics: These tools help to use and interpret web statistics in a valid way

This deliverable will assist the ENUMERATE consortium to ameliorate the questions in the ENUMERATE questionnaires, by weighing the words and ideas reflected in the questionnaire against external sources.

Additionally, it will help train the National Coordinators, preparing the rollout of the Survey in their own countries.

Finally, it will enable the institutions that contribute statistical data to the thematic network to check the validity of their data by implementing one or more of the tools described in this document.

This document will be updated regularly during the lifespan of the ENUMERATE Thematic Network Project.

## **3 Tools**

### **3.1 Terminology**

An important factor for the success of the ENUMERATE survey will be a terminology list that, ideally, banishes all ambiguity and misinterpretation from the survey questions and, consequently, from its answers. The NUMERIC project made use of such a list and the ENUMERATE project will continue to develop and improve this list.

### 3.1.1 NUMERIC Terminology

In the Numeric project, which was carried out from 2007 until 2009, an effort was made to establish clear classifications and definitions in order to limit as much as possible the ambiguity of the survey questions. To this effect an extensive list was compiled with relevant definitions that were available to be adopted as standard definitions in surveys. These definitions were tested in a 'pathfinder' survey, which was filled out by 60 respondents from various EU and non-EU libraries, museums and archives. The comments that arose in this test survey were addressed and, if applicable, processed in the creation of the ultimate survey.

The aim of ENUMERATE is "not to reinvent the wheel," and, consequently, the NUMERIC definitions were used in constructing the definitions for the ENUMERATE surveys. Criticism that arose after the completion of NUMERIC and the recommendations of SIG-STATS will be incorporated in the ENUMERATE surveys.

Below, the recommendations made by the SIG-STATS workgroup are summarised.

### 3.1.2 SIG-STATS recommendations

Overall, the SIG-STATS workgroup deemed the work that was done in determining the NUMERIC definitions to be excellent. However, there was room for improvements and the SIG-STATS workgroup has split these up into two sides, namely: the use of jargon, which can be understood regardless of geographical location, and "the multilingual aspects of the terminology." For the resolutions of the 'flaws' in the NUMERIC survey SIG-STATS proposed some generic and some specific recommendations.

#### *Generic recommendations*

- a. The awareness of the importance of common definitions needs to be strengthened. This can be achieved by training the national coordinators who are responsible for the translation of the survey.
- b. In NUMERIC, existing definitions have been studied. For more accurate definitions SIG-STATS proposes the studying of the 'digital workflows' of cultural institutions. The development of the definitions needs to be done in collaboration with the cultural institutions. Digital workflows will be analysed as apart of the Thematic Survey in the second year of the ENUMERATE project.

#### *Specific recommendations*

- a. The (problematic) definition of 'digitisation' that was used in NUMERIC was deemed to be "adequate" but "too much from the point of view of libraries." SIG-STATS recommends using the Wordnet definition of 'digitisation' (conversion of analog information into digital information) as a starting point and making use of clear distinctions between 'digital descriptions' (metadata) and 'digital reproductions' (representations).
- b. The costs of digitisation projects varied widely in NUMERIC. SIG-STATS subscribed this to a lack of proper definitions for the different categories of costs. It is recommended that existing cost models are studied and their categories used for the creation of proper definitions of digitisations costs. The use of checklists, as happened in NUMERIC, is considered to be a good starting point.
- c. "Future surveys should try to use a single reference period as much as possible."

d. “In the NUMERIC Report, the number of digitisation projects are equalled to the number of digital collections that result from is. This is not a valid comparison. Not all projects are dedicated to a single collections, and not every digital collection is created in a single digitisation project.”

### 3.1.3 Terminology lists

Below are some existing terminology lists that can be employed by respondents when filling out the ENUMERATE surveys. The selection is based on the presence of a substantial number of terms dealing with digitisation accompanied by a (more or less) extensive description or explanation.

#### Vocabulary of Semantic Categories

Title:	Vocabulary of Semantic Categories
Developing/Managing organisation:	Zinaida Manzuch for the NUMERIC project
Available since:	2007
Type of institutions:	All
Description:	Annex 3 of the NUMERIC desk research finding report contains a vocabulary that is composed in the following manner: “Dictionary is composed of terms that were created by two different techniques: 1) part of categories are constructed – these categories are supplied with definitions; 2) other part of categories are recorded repetitive names of different phenomena provided in surveys, they are not followed by the definition.” The annex can be found on pages 65-69.
Link:	<a href="http://www.numeric.ws/uploaded_files/NUMERIC_Desktop_Research_on_Digitisation_Studies26102007114936.pdf">http://www.numeric.ws/uploaded_files/NUMERIC_Desktop_Research_on_Digitisation_Studies26102007114936.pdf</a>

#### A Glossary of Archival and Records Terminology

Title:	A Glossary of Archival and Records Terminology
Developing/Managing organisation:	The Society of American Archivists (SAA)
Available since:	2005
Type of institutions:	Archives
Description:	“This glossary is based primarily on archival literature in the United States and Canada, in that order. In a few instances, terms, definitions, and citations from other English-speaking communities are included when relevant. This glossary includes terms that relate to the types of records that someone is likely to encounter when reading archival literature or when working with a fairly typical collection of records, and it emphasizes terms relating to electronic records. It also incorporates terms from the literature of preservation, law, and micrographics, as well as common form and genre terms from architectural and technical drawings, motion picture and video, photography, and sound recording. It includes some words that are no longer in common use, but which are useful when reading older literature; for example, Spindex. The glossary does not include many words specific to affiliated professions, such as rare books or printing.” (Source: <a href="http://www.archivists.org/glossary/Introduction.asp">http://www.archivists.org/glossary/Introduction.asp</a> )
Link:	<a href="http://www.archivists.org/glossary/index.asp">http://www.archivists.org/glossary/index.asp</a>

### Online Dictionary for Library and Information Science

Title:	<b>Online Dictionary for Library and Information Science</b>
Developing/Managing organisation:	Reitz, Joan M.
Available since:	2004
Type of institutions:	Libraries
Description:	A dictionary with 4000 entries from the fields of publishing, printing, literature and computer science, that the author determined to be of use to library professionals.
Link:	<a href="http://www.abc-clio.com/ODLIS/odlis_A.aspx">http://www.abc-clio.com/ODLIS/odlis_A.aspx</a>

### International Guidelines for Museum Object Information: The CIDOC Information Categories

Title:	International Guidelines for Museum Object Information: The CIDOC Information Categories
Developing/Managing organisation:	The International Committee for Documentation of the International Council of Museums (ICOM)
Available since:	1995
Type of institutions:	Museums
Description:	<p>“The International Guidelines for Museum Object Information: The CIDOC Information Categories is a description of the Information Categories that can be used when developing records about the objects in museum collections. The Guidelines can be adopted by an individual museum, national documentation organization, or system developer, as the basis for a working museum documentation system.</p> <p>The Guidelines incorporate the following elements:</p> <ul style="list-style-type: none"> <li>- a definition of the Information Categories that should be used when recording details about objects;</li> <li>- an outline of the format rules and conventions governing how information is entered in these categories;</li> <li>- comments on the terminology that can be used in these categories.”</li> </ul> <p>(source: <a href="http://cidoc.mediahost.org/guidelines1995.pdf">http://cidoc.mediahost.org/guidelines1995.pdf</a>)</p>
Link:	<a href="http://cidoc.mediahost.org/guidelines1995.pdf">http://cidoc.mediahost.org/guidelines1995.pdf</a>

### ISO 2789

Title:	ISO 2789 Information and documentation -- International library statistics
Developing/Managing organisation:	International Organization for Standardization
Available since:	2006
Type of institutions:	
Description:	<p>Abstract:</p> <p>ISO 2789:2006 specifies rules for the library and information services community on the collection and reporting of statistics</p> <ul style="list-style-type: none"> <li>- for the purposes of international reporting,</li> <li>- to ensure conformity between countries for those statistical measures that are frequently used by library managers but do not qualify for international reporting,</li> <li>- to encourage good practice in the use of statistics for the management of library and information services, and</li> </ul>

	- to specify data provision required by ISO 11620.
Link:	<a href="http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=39181">http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=39181</a>

### ISO 5127

Title:	ISO 5127 Information and documentation -- Vocabulary
Developing/Managing organisation:	International Organization for Standardization
Available since:	2001
Type of institutions:	All
Description:	Not available
Link:	<a href="http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=33636">http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=33636</a>

### Wordnet

Title:	Wordnet
Developing/Managing organisation:	Princeton University
Available since:	200?
Type of institutions:	All
Description:	<p>The SIG-Stats workgroup has recommended that follow-up project to NUMERIC, like ENUMERATE, use the Wordnet definition of digitisation. The contents of Wordnet itself, however, are not limited to definitions that are related to relevant subjects.</p> <p>“WordNet superficially resembles a thesaurus, in that it groups words together based on their meanings. However, there are some important distinctions. First, WordNet interlinks not just word forms—strings of letters—but specific senses of words. As a result, words that are found in close proximity to one another in the network are semantically disambiguated. Second, WordNet labels the semantic relations among words, whereas the groupings of words in a thesaurus does not follow any explicit pattern other than meaning similarity.”</p> <p>(Source: <a href="http://wordnet.princeton.edu/wordnet/">http://wordnet.princeton.edu/wordnet/</a>)</p>
Link:	<a href="http://wordnet.princeton.edu/wordnet/">http://wordnet.princeton.edu/wordnet/</a>

### Guidelines For The Preservation Of Digital Heritage

Title:	Guidelines For The Preservation Of Digital Heritage
Developing/Managing organisation:	UNESCO
Available since:	2003
Type of institutions:	All
Description:	Of particular interest to the ENUMERATE project are page 20, which contains definitions of the terms digital preservation, digital materials, preservation programme and presentation/re-presentation; as well as page 157 to 159 which contains a glossary explaining the term as used in the guidelines.
Link:	<a href="http://unesdoc.unesco.org/images/0013/001300/130071e.pdf">http://unesdoc.unesco.org/images/0013/001300/130071e.pdf</a>

### Digital Heritage Collections – Glossary of Terms

Title:	Digital Heritage Collections – Glossary of Terms
Developing/Managing organisation:	Collections Council of Australia
Available since:	2008

Type of institutions:	All
Description:	A glossary of term aimed solely at digital collections.
Link:	<a href="http://www.collectionscouncil.com.au/Portals/0/Digital%20Heritage%20Collections%20-%20Glossary%20of%20terms.pdf">http://www.collectionscouncil.com.au/Portals/0/Digital%20Heritage%20Collections%20-%20Glossary%20of%20terms.pdf</a>

## 3.2 Cost Models

### 3.2.1 Introduction

It is in the ENUMERATE project's benefit if respondents to the questionnaires supply uniform data. One area where it is likely that the individual interpretation of an institution will result in widely differing data is the calculation of digitization costs. The SIG-STATS workgroups has made some recommendations directed at resolving some of the issues.

### 3.2.2 SIG-STATS recommendations

The SIG-STATS workgroup has made recommendations for both the core questionnaire and the full questionnaire. For both questionnaires, however, it is suggested that existing cost models (JISC, Prestospace, DEN etc.) are studied.

The questions related to digitization costs in the core questionnaire are to focus on some major cost categories. Instead of asking for the expenditure in the last and current year, as was done in NUMERIC, the SIG-STATS workgroup recommends focusing on the two previous years, as the data for those years is presumably no longer subject to change.

The questions in the full questionnaire will benefit from a more thorough breakdown of costs. To achieve this research into existing cost models is needed.

### 3.2.3 Cost models

Below are some existing tools that can be employed by institutions to calculate their digitisation costs.

#### Rekenmodel Digitaliseringskosten

Title:	Rekenmodel digitaliseringskosten (Calculation model digitalisation costs)
Developing/Managing organisation:	Stichting Digitaal Erfgoed Nederland (DEN) in cooperation with Erfgoed Nederland.
Available since:	2009
Background:	The development of this calculation model was based on talks with, and input from, the heritage field. It was inspired by the 2008 calculation model of the archives of the province of Gelderland (Gelders Archief).
Description:	This calculation model is created as an Excel file and it features a comprehensive set of cost categories covering a great variety of costs, from the inception to the completion of a digitisation project. Cost categories include: preparation, transport, scanning and photography, metadata, quality control, online storage, promotion

	and after care. Per category, a couple of options are given to calculate the cost of the respective cost category.
Link:	<a href="http://www.den.nl/standaard/202/">http://www.den.nl/standaard/202/</a>

### Preservation Project Cost Calculator

Title:	Preservation Project Cost Calculator
Developing/Managing organisation:	Prestospace project
Available since:	2007
Background:	One of a set of calculators developed as part of the Prestospace project.
Description:	<p>“The SAM analysis tools allow an archive to estimate the costs involved in a digital preservation project. They address different approaches to storage management and the costs involved in the digital preservation exercise itself. A further tool estimates the potential return on investment for various business models. Taken together they provide the basis for costing and putting forward a funding case for a preservation project.</p> <p>The tools require you to enter data relevant to your archive. In the early stages this may be difficult to do so they can also provide typical data as the basis of an initial calculation. You can refine the data at a later stage. The tools are backed by tutorials which provide the background information you need to provide the information for the analysis.” (source: <a href="http://digitalpreservation.ssl.co.uk/about/56/59.html">http://digitalpreservation.ssl.co.uk/about/56/59.html</a> )</p>
Link:	<a href="http://digitalpreservation.ssl.co.uk/hosted/d13.2/newcalc.php">http://digitalpreservation.ssl.co.uk/hosted/d13.2/newcalc.php</a>

### Digitisation Costs Calculator

Title:	Digitisation Costs Calculator
Developing/Managing organisation:	Nick Poole, Collections Trust
Available since:	2011
Background:	Produced as part of the EU-funded 'Study to Assess the Cost of Digitising Europe's Cultural Heritage'
Description:	This simple calculator, presented in an Excel file, features separate fields for museum, libraries, archives and AV institutions. When the number of materials to be digitised is entered an estimated price range is given for the project.
Link:	<a href="http://www.collectionslink.org.uk/discover/sustaining-digital/723-digitisation-costs-calculator">http://www.collectionslink.org.uk/discover/sustaining-digital/723-digitisation-costs-calculator</a>

### IMPACT Digitisation Cost Estimator

Title:	IMPACT Digitisation Cost Estimator
Developing/Managing organisation:	Gottingen State and University Library for The IMPACT Project
Available since:	2011 (pilot)
Background:	Currently a pilot tool that was developed as part of the IMPACT project that is aimed at improving access to historical texts and taking away barriers that stand in the way of mass digitisation of European cultural heritage.
Description:	A single sheet Excel file that can be filled out to find out what the estimated cost for an institution's digitisation project will be. All costs can be entered manually and the calculator will determine the total price and the price per page. The calculator is intended for

	institutions wishing to digitise books/texts.
Link:	<a href="http://www.impact-project.eu/taa/strat/pilot-tools/">http://www.impact-project.eu/taa/strat/pilot-tools/</a>

### The Digitization Cost Model (DiCoMo)

Title:	DiCoMo: An Algorithm Based Method to Estimate Digitization Costs in Digital Libraries
Developing/Managing organisation:	A. Bia (Miguel Hernández University, Spain) and J. Gómez (University of Alicante, Spain)
Available since:	2005
Background:	
Description:	<p>Abstract. The estimate of digitization costs is a very difficult task. It is difficult to make exact predictions due to the great quantity of unknown factors. However, digitization projects need to have a precise idea of the economic costs and the times involved in the development of their contents. The common practice when we start digitizing a new collection is to set a schedule, and a firm commitment to fulfill it (both in terms of cost and deadlines), even before the actual digitization work starts. As it happens with software development projects, incorrect estimates produce delays and cause costs overdrafts.</p> <p>Based on methods used in Software Engineering for software development cost prediction like COCOMO and Function Points, and using historical data gathered during five years at the Miguel de Cervantes Digital Library, during the digitization of more than 12.000 books, we have developed a method for time and cost estimates named DiCoMo (Digitization Costs Model) for digital content production in general. This method can be adapted to different production processes, like the production of digital XML or HTML texts using scanning and OCR, and undergoing human proofreading and error correction, or for the production of digital facsimiles (scanning without OCR). The accuracy of the estimates improve with time, since the algorithms can be optimized by making adjustments based on historical data gathered from previous tasks.</p>
Link:	<a href="http://www.springerlink.com/content/f3l24618np58427n/">http://www.springerlink.com/content/f3l24618np58427n/</a>

### Cost Forecasting Model for New Digitization Projects

Title:	<b>Cost Forecasting Model for New Digitization Projects</b>
Developing/Managing organisation:	George Washington University, USA
Available since:	2011
Background:	Developed in the project "Cultural Imaginings: the creation of the Arab World in the Western Mind".
Description:	To contribute to the dialogue of digitizing library book collections, the George Washington University Libraries has created a cost model which is based on the current production workflow setup at the Gelman Library using robotic arm technology, and is funded by the Institute of Museum and Library Services and donor

	<p>contributions.</p> <p>The forecasting cost model will provide users with the ability to explore specific cost variables and build a project that would be customized for their budgetary needs. This tool will help institutions determine an approximate cost per page and total project costs. There will be categories (small, medium, large budget) to choose from so different institutions with varying budgets can use the tool. Feedback from participants is encouraged; they will help to improve the cost model to better support the user community of libraries who are preparing for digitization and is encouraged.</p>
Link:	<a href="http://library.gwu.edu/collections/digitize/cost-calculator">http://library.gwu.edu/collections/digitize/cost-calculator</a>

### 3.3 Collection Type Analysis

#### 3.3.1 Introduction

In the NUMERIC project, materials which are held in the collections of heritage institutions were classified on the basis of a study of 32 digitisation reports.<sup>1</sup> The SIG-STATS workgroup deemed the ultimate list of classifications to be a good starting point for subsequent surveys, but did offer some recommendations concerning specific classifications, namely: archival records, newspapers and monuments; which need to be classified more clearly, and born-digital objects; which were not included in the NUMERIC survey but will be in ENUMERATE.

#### 3.3.2 Tools for collection type analysis

##### Classifications of materials held in collections

Title:	Classifications of materials held in collections
Developing/Managing organisation:	NUMERIC project
Available since:	2009
Type of institutions:	All
Description:	<p>The list of classifications as developed and employed by the NUMERIC project. These classifications were drawn up after the examination of 32 digitisation reports. The table in the final report that contains the classifications also contains the units in which they are to be measured.</p> <p>The table (table 1) can be found on page 17 of the final Numeric study report.</p>
Link:	<a href="http://cordis.europa.eu/fp7/ict/telearn-digicult/numeric-study_en.pdf">http://cordis.europa.eu/fp7/ict/telearn-digicult/numeric-study_en.pdf</a>

#### Defining “Born Digital”

<sup>1</sup> Manzuch, Zinaida. “An analysis of the state-of-the-art in measuring the progress of digitisation of cultural materials.” Page 33-35.

[http://www.numeric.ws/uploaded\\_files/NUMERIC\\_Desktop\\_Research\\_on\\_Digitisation\\_Studies2610200711493\\_6.pdf](http://www.numeric.ws/uploaded_files/NUMERIC_Desktop_Research_on_Digitisation_Studies2610200711493_6.pdf)

Title:	Defining “Born Digital”
Developing/Managing organisation:	Online Computer Library Center (OCLC)
Available since:	2010
Type of institutions:	All
Description:	“Born-digital resources are items created and managed in digital form” is the definition that has been used in compiling this list of types of born-digital materials. For each type a definition is given, as well as a short explanation of how these types are currently being collected.
Link:	<a href="http://www.oclc.org/research/activities/hiddencollections/borndigital.pdf">http://www.oclc.org/research/activities/hiddencollections/borndigital.pdf</a>

### Collection Level Description

Title:	Collection Level Description
Developing/Managing organisation:	UKOLN
Available since:	1998
Type of institutions:	Libraries
Description:	A proposed list of collection types which can be used to describe the various collections within a library.
Link:	<a href="http://www.ukoln.ac.uk/metadata/cld/types/">http://www.ukoln.ac.uk/metadata/cld/types/</a>

### Rough classification of digital objects

Title:	Rough classification of digital objects
Developing/Managing organisation:	Alliance for Permanent Access / Aparsen
Available since:	2012
Type of institutions:	All
Description:	A brief overview of some of the distinctions which can be made to classify digital objects
Link:	<a href="http://www.alliancepermanentaccess.org/index.php/knowledge-base/existing-tools/tools-for-preservation/rough-classification-of-digital-objects/">http://www.alliancepermanentaccess.org/index.php/knowledge-base/existing-tools/tools-for-preservation/rough-classification-of-digital-objects/</a>

## 3.4 Guidelines for Web Statistics

### 3.4.1 Introduction

At the time of the NUMERIC project Web Statistics was still a very new area of interest for many institutions. In many ways it still is today. A recent study from Culture24 has found that this still complicates statistical comparison between institutions.<sup>2</sup> In order to achieve a certain degree of universality in the data concerning Web Statistics a set of guidelines would be in place.

<sup>2</sup> Jane Finnis, Sebastian Chan, Rachel Clements. “Let’s Get Real: How to Evaluate Online Success?” <http://www.keepandshare.com/doc/3148918/culture24-howtoevaluateonlinesuccess-2-pdf-september-19-2011-11-15-am-2-5-meg?da=y>

Below, some reports, organisations, tools and guidelines are given that are intended to offer some help in setting up a strategy for web statistics and aid in interpreting them.

### 3.4.2 Tools for web statistics

#### Lets Get Real: How to Evaluate Online Success?

Title:	Lets Get Real: How to Evaluate Online Success?
Developing/Managing organisation:	Culture24
Available since:	2011
Background:	The Report from the Culture24 Action Research Project . In it, insights are given into the ways in which institutions are trying to evaluate their online success.
Description:	In this report basic steps for setting up a Google Analytics account can be found, as well as “10 key things to do,” three of which are especially relevant to the present surveys.
Link:	<a href="http://www.keepandshare.com/doc/3148918/culture24-howtoevaluateonlinesuccess-2-pdf-september-19-2011-11-15-am-2-5-meg?da=y">http://www.keepandshare.com/doc/3148918/culture24-howtoevaluateonlinesuccess-2-pdf-september-19-2011-11-15-am-2-5-meg?da=y</a>

#### Web Analytics Association

Title:	No title
Developing/Managing organisation:	Web Analytics Association (WAA)
Available since:	2004 (?)
Background:	
Description:	The Web Analytics Association offers its members (but also non-members) many tools to enhance their knowledge about web statistics. One of the tools that best suit the need of the ENUMERATE project is the list of definitions WAA published 2007: <a href="http://www.webanalyticsassociation.org/resource/resmgr/PDF_standards/WebAnalyticsDefinitionsVol1.pdf">http://www.webanalyticsassociation.org/resource/resmgr/PDF_standards/WebAnalyticsDefinitionsVol1.pdf</a>
Link:	<a href="http://www.webanalyticsassociation.org/">http://www.webanalyticsassociation.org/</a>

#### Tien tips voor goede webstatistieken (Ten tips for good web statistics)

Title:	Tien tips voor goede webstatistieken
Developing/Managing organisation:	Digitaal Erfgoed Nederland (DEN)
Available since:	2009
Background:	These tips are based on the report “More Digital Facts,” which, among other things, looked at web statistics.
Description:	The English summary of the reports on which the tips are based can be found here: <a href="http://www.den.nl/getasset.aspx?id=Rapporten/Webstats_summary_ENG.pdf&amp;assettype=attachments">http://www.den.nl/getasset.aspx?id=Rapporten/Webstats_summary_ENG.pdf&amp;assettype=attachments</a>
Link:	<a href="http://www.den.nl/bericht/2239">http://www.den.nl/bericht/2239</a>

## 4 Conclusion

The overview presented in this deliverable is just a sample of the tools available. In constructing this overview an effort was made to include at least one of each tools per type of institutions (limited to archives, libraries and museums) and tools that can be used by all

institutions. A further effort was made to make sure the tools are developed by authoritative organisations and people.

This overview is work in progress during the lifetime of the ENUMERATE project. New tools will be duely added to this document and to the ENUMERATE Delicious account and supplied with the tags 'harmonisation' and 'D2.2'. The ENUMERATE Delicious page can be found through the following link: <http://delicious.com/enumeratesources>