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D7.1: Core Inventory of FLOSS in the Cultural Heritage Domain, second iteration

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Dissemination Level	Public

REVISION HISTORY AND STATEMENT OF ORIGINALITY

Revision History

Revision No.	Date	Author	Organisation	Description
1	13-03-2013	Maarten Brinkerink, Johan Oomen	Beeld en Geluid	This deliverable analyses the FLOSS landscape and provides the baseline for the development of innovative applications in Task 7.2. It is the second iteration.
2	28-03-2013	Maarten Brinkerink, Johan Oomen	Beeld en Geluid	Final version, after consensus was obtained based on the first draft

Statement of originality:

D7.1: Core Inventory of FLOSS in the Cultural Heritage Domain, second iteration

Introduction

This deliverable analyses the FLOSS landscape and provides the baseline for the development of innovative applications in Task 7.2. This deliverable is the second iteration of the Core Inventory of FLOSS in the Cultural Heritage Domain. This deliverable was proceeded by 'MS38: Core Inventory of FLOSS in the Cultural Heritage Domain, first iteration'[1]. The inventory has been published as a public Google Spreadsheet[2] to facilitate collaborative editing. For the purpose of this deliverable the inventory is exported as a PDF file and attached as APPENDIX I.

Members of the Research and Development community (Subtask 7.1.1, renamed to 'EuropeanaTech' for the purpose of external communication) have been invited at various events and through online communication channels to contribute on the basis of the first iteration and can obtain edit rights upon request (via mbrinkerink [at] beeldengeluid [dot] nl).

An in-depth analysis of this baseline has been reported on in 'MS39: Report on innovative applications, first iteration' to enable to select a number of key applications identified in Subtask 7.1.1 as beneficial to Europeana and the wider European cultural heritage domain. It describes the baseline and methodology used for the selection procedure and provided an analysis of the FLOSS inventory. Since the publication of MS39 the inventory has grown from 83 entries to 105 entries that were added by 28 individual contributors. This shows the inventory is a truly collaborative effort with ongoing activity. A more in-depth analysis of the progress of the content of the baseline will be given in PM24, as part of 'Report on innovative applications, second iteration' (MS40).

The subtask will conclude with a report in PM29: 'Report of Inventory of FLOSS Documentation and Sustainability' (D7.2) which describes the work executed within the subtask and provide the strategy for sustainability post project.

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[1] http://pro.europeana.eu/documents/866067/983534/MS38+Core+Inventory+of+FLOSS+in+the+Cultural+Heritage+Domain%2C+1st+iteration
[2] https://docs.google.com/spreadsheet/ccc?key=0Ag_7rVJwt0CpdFRJOEJxdEk4ZEMxQ01jaDgxQXFSTkE

APPENDIX I: Core Inventory of FLOSS in the Cultural Heritage Domain (saved March 13, 2013)

Name	Description	Developers	Project website	Europeana Affiliation (if any)	Code repository	Last release	Last activity	Documentation (status/language)	Technical support available	License	Examples	Notes	CATEGORY 1	CATEGORY 2	CATEGORY 3	CATEGORY 4	CATEGORY 5
Annotorious	Annotorious is a JavaScript annotation library for images and zoomable images (under development). Link the Annotorious source files (CSS and JavaScript) into an existing HTML page, and images inside this page will be enhanced with an interactive drawing and commenting tool.	Rainer Simon Peter Pilgerstorfer	https://github.com/annotorious/an		https://github.com/annotorious/an	8/1/2013	actively ongoing	emerging (english)	Yes	LGPL	http://yuma-js.github.com/yuma2.html		Enriching metadata	User Engagement			
Apache Stanbol	Apache Stanbol (currently in incubation) is an open source modular software stack and reusable set of components for semantic content management.	http://incubator.apache.org/stanbol/team.html	http://incubator.apache.org/stanbol/	have done a demo with LOD from Europeana		5/31/2012		complete / EN	yes	Apache License, Version 2.0	http://dev.iks-project.eu:8081/enhancer/chai		Data processing				
ArchivesSpace	A next-generation archives management application that will incorporate the best features of Archivist's Toolkit (AT) and Archon. The project team is developing a technical platform, governance structure, and service model that will provide the archival community with a cutting-edge, extensible, and sustainable platform for describing analog and born-digital archival materials. The ArchivesSpace product is being developed using an Agile scrum process, guided by a Product Vision for ArchivesSpace.	Hudson Molonglo	www.archivesspace.org		https://github.com/archivesspace	ArchivesSpace 0.3.4 (2013-02-19)	on-going	Basic tecnical / EN	yes	ECL 2.0		This initiative is led by New York University, University of Illinois (Urbana-Champaign), and University of California, San Diego					
Archivists' Toolkit (AT)	The AT is an open source archival data management system to provide support for the management of archives. The main goals of the AT are to support archival processing and production of access instruments, promote data standardization, promote efficiency, and lower training costs. Currently, the application supports accessioning and describing archival materials. Future functionality will be built to support repository user/resource use information, appraisal for archival materials, expressing and managing rights information, and interoperability with user authentication systems.	Nathan Stevens	http://www.archiviststoolkit.org/		http://archiviststoolkit.org/forDevelopers	25/01/2013	actively ongoing	Good / EN	Yes	Educational Community License, v. 1.0			Enriching metadata	User Engagement			
Art4europe	Art4Europe is an application which makes easier for the user to gain their knowledge about historical monuments. During our visit at the museum we can take a picture of a painting and the application will download data for us referring to selected painting by using very sophisticated methods of comparing pictures straight from Europeana API.	iTraff Technology: Tomasz Grzywalski, Jakub Jurkiewicz, Jakub Porzuczek, Marcin Szajek	http://www.art4europe.com/	Hackathon winner	N/A	Unreleased prototype	6/8/2011	None	no	Unreleased prototype, but will be open source	http://www.youtube.com/watch?v=C6PEz2d7OLE; http://www.youtube.com/watch?v=cPl3hvZN-Hk	How many times have you been in an	Information retrieval services	Enriching metadata			
ASSETS 3D search demo		EKETA-CERT: Michalis Lazaridis	http://www.europeanalabs.eu/	ThoughtLab / ASSETS	http://europeanalabs.eu/svn/assets/trunk	6/13/2012	6/13/2012	Complete /EN	yes[1]	Open Source	http://assetstest.atc.gr/ASSETS3DSearc		Information retrieval services	Similarity Search			
ASSETS Annotation Propagation		EKETA-CERT: Michalis Lazaridis	http://www.assets4europeana.eu/	ASSETS	http://www.europeanalabs.eu/svn/assets/trunk			None	no				Enriching metadata				
ASSETS Audio Search		BMAT: Oscar Paytuvi	http://www.assets4europeana.eu/	ASSETS				None	no				Information retrieval services	Similarity Search			
ASSETS Classification		CNR: Fabrizio Sebastiani, Andrea Esuli	http://www.assets4europeana.eu/	ASSETS	http://www.europeanalabs.eu/svn/assets/trunk			None	no				Data processing				
ASSETS image search demo		CNR: Giuseppe Amato	http://www.assets4europeana.eu/	ThoughtLab / ASSETS	http://europeanalabs.eu/svn/assets/trunk	6/12/2012	6/12/2012	Complete /EN	yes[1]	Open Source	http://virserv.isti.cnr.it:8080/assetsIRServi		Information retrieval services	Similarity Search			
ASSETS Knowledge Extration		CNR: Fabrizio Sebastiani, Andrea Esuli	http://www.assets4europeana.eu/	ASSETS	http://www.europeanalabs.eu/svn/assets/trunk			None	no				Data processing				
ASSETS Manual Annotation Tool		INA: Patrick Couronet	http://www.assets4europeana.eu/	ASSETS				None	no				Enriching metadata				
ASSETS Metadata Cleaning		CNR: Fabrizio Sebastiani, Andrea Esuli	http://www.assets4europeana.eu/	ASSETS	http://www.europeanalabs.eu/svn/assets/trunk			None	no				Data processing				
ASSETS Metadata-based Ranking		CNR: Diego Ceccarelli, Claudio Lucchese	http://www.assets4europeana.eu/	ASSETS	http://www.europeanalabs.eu/svn/assets/trunk			None	no	Open Source			Information retrieval services				
ASSETS Preservation-Normalization		AIT: Sergiu Gordea, Andrew Lindley, Roman Graf	http://www.assets4europeana.eu/	ASSETS	http://www.europeanalabs.eu/svn/assets/trunk			None	no	Open Source			Digital Preservation				
ASSETS Preservation-Notification		ENG: Luigi Briguglio, Massimiliano Nigrelli, Marco Guarini	http://www.assets4europeana.eu/	ASSETS	http://www.europeanalabs.eu/svn/assets/trunk			None	no	Open Source			Digital Preservation				
ASSETS Preservation-Risk Management		AIT: Sergiu Gordea, Andrew Lindley, Roman Graf	http://www.assets4europeana.eu/	ASSETS	http://www.europeanalabs.eu/svn/assets/trunk			None	no	Open Source			Digital Preservation				
ASSETS Query Personalization		UPS: Tsuyoshi Sugibuchi, Nicolas Spyratos	http://www.assets4europeana.eu/	ASSETS	http://www.europeanalabs.eu/svn/assets/trunk			None	no	Open Source			Information retrieval services	User engagement			
ASSETS Query Suggestion		CNR: Diego Ceccarelli, Claudio Lucchese	http://www.assets4europeana.eu/	ASSETS	http://www.europeanalabs.eu/svn/assets/trunk			None	no	Open Source			Information retrieval services				

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ASSETS Relevance Feedback		EKETA-CERT: Michalis Lazaridis	http://www.assets4europeana.eu/	ASSETS	http://www.europeanalabs.eu/svn/assets/trunk/			None	no				Information retrieval services				
ASSETS Semantic Cross-Linking		EKETA-CERT: Michalis Lazaridis	http://www.assets4europeana.eu/	ASSETS				None	no				Information retrieval services				
ASSETS Taxonomy-based Notification		UPS: Tsuyoshi Sugibuchi, Nicolas Spyratos	http://www.assets4europeana.eu/	ASSETS	http://www.europeanalabs.eu/svn/assets/trunk/			None	no				Data processing				
ASSETS User Generated Contents		CNR: Carlo Meghini, Nicola Aloia, Cesare Concordia	http://www.assets4europeana.eu/	ASSETS	http://www.europeanalabs.eu/svn/assets/trunk/			None	no	Open Source			User engagement				
ASSETS Video Summarisation		UAM: Fernando Lopez	http://www.assets4europeana.eu/	ASSETS	http://www.europeanalabs.eu/svn/assets/trunk/			None	no				Information retrieval services	Similarity search			
AVI MetaEdit	Similar to the BWF MetaEdit tool that AVPS also developed in collaboration with FADGI, AVI MetaEdit supports embedding and validating metadata in RIFF-based AudioVisual Interleave format (AVI) video files. AVI is currently the target format for creation of Preservation Masters within the Digitization Services Branch at NARA.	FADGI / NARA	https://github.com/usnationalarch		https://github.com/usnationalarch	2/17/2012	2/17/2012	Minimal / EN	yes	NARA OPEN SOURCE AGREEMENT VERSION 1.3			Enriching metadata				
BHL Scan List	This catalogue allows users to browse and search titles held by BHL-Europe and BHL member institutions using advanced filtering. It will be further developed and extended towards the Global References Index to Biodiversity (GRIB).	Wolfgang Koller	http://bhl.nhm-wien.ac.at/scanlist/	ThoughtLab	http://code.google.com/p/bhl-bits/source/browse/		2010-05-19	Minimal / EN	yes	BSD	http://bhl.nhm-wien.ac.at/scanlist/		Information retrieval services				
BibServer	BibServer is a tool for quickly and easily sharing collections of bibliographic metadata. By making it simple for people to use this information, we make scholarship better.	Open Knowledge Foundation	http://bibserver.org/		https://github.com/okfn/bibserver		june 2012	Minimal / EN	yes	GNU Affero GPL	http://bibsoup.net/		Information retrieval services	Collection Management			
Blacklight	RoR gem discovery interface for any Solr index		http://projectblacklight.org/		https://github.com/projectblacklig	6/25/2012		Good / EN	yes	Creative Commons Attribution-Share Alike 3.0 United States License.	https://github.com/projectblacklig		Information retrieval services				
BWF MetaEdit Tool	This tool permits embedding, editing, and exporting of metadata in Broadcast WAVE Format (BWF) files. This tool can also enforce metadata guidelines developed by the Federal Agencies Audio-Visual Working Group, as well as recommendations and specifications from the European Broadcasting Union (EBU), Microsoft, and IBM.	FADGI	http://bwfmetaedit.sourceforge.net/		http://bwfmetaedit.sourceforge.net/Download/Sourc	3/1/2012		Minimal / EN	yes				Enriching metadata				
Casual Curator	Deprecated prototype of the CasualCurator web application developed for the Hack4Europe hackathon	Decipher team: Mike Stapleton, Systems Simulation; Mike Selway, Systems Simulation; Eoin Kilfeather, Dublin Institute of Technology,	http://decipher-research.eu/casual_curator.html	Hackathon winner	https://github.com/ekilfeather/Cas	6/9/2011	6/9/2011	Minimal / EN	no			The Casual Curator prototype is no lon	Information retrieval services				
CollectionSpace	CollectionSpace is an open-source collections management application that meets the needs of museums, historical societies, and other collection-holding organizations. CollectionSpace is designed to be configurable to each organization's needs, serving as a gateway to digital and physical assets across an institution. The software is freely distributed via open-source licensing, and an active developer community ensures that CollectionSpace is continually improving.	Museum of the Moving Image; University of California Berkeley, Fluid Project at Ontario College of Art and Design, Centre for Applied Research in Educational Technologies (CARET) University of Cambridge	www.collectionspace.org		Current release: ftp://source.collectionspace.org/pub/collectionsp	12/2012	on-going	Various guides / EN	yes	ECL 2.0	www.demo.collectionspace.org	Collection Managment					
Collective Access		Whirl-i-Gig	http://www.collectiveaccess.org/	None (though used by some Europeana data providers)	http://collectiveaccess.org/support/develop	1/2012		Complete /EN	yes	GNU GPL v.2	http://collectiveaccess.org/about/users	Can act as both OAI-PMH client and server	Collection Management	Information retrieval services	Exhibition Management		
ConservationSpace	The goal of ConservationSpace is to develop an open-source software application that will address a core need of the conservation community for a shared solution to the problem of documentation management. The conservation community has long recognized that a digital approach to managing its documentation would improve continuity in procedures, increase access, expand research opportunities, and better ensure the preservation of its documents.		www.conservationspace.									The project is being led by the National Gallery of Art (Washington, D.C., USA with participation from Yale University Special Collections Library, Courtauld Institute, British Museum, Indianapolis Museum of Art, Metropolitan Museum of Art, Statens Museum for Kunst, and the Denver Art Museum). An RFP for the development of the application was issued in 2012 and a developer has been selected but, not formally announced; that announcement is expected in the first quarter of 2013.					
Constraint Analysis Tool	Data and digital analysis tools.	Kathleen Kenney	http://blogs.loc.gov/digitalpreservat		https://github.com/lfarrell/Constra		11/2011	Minimal / EN	yes				Data processing				

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Cultural Enrichment Mashificator	Collaboration tools.	Jeremy Ottevanger	http://ccgi. ottevanger.plus. com/cgi- bin/ez/index.php	EuropeanaHackathon		Unreleased		None	no					Information retrieval services			
Data Explorer	Data import, graphing and sophisticated data transformation. It builds on ReclineJS + oauth / github connectors borrowed from Prose. It's part of an ongoing plan to create a "Data Orchestra" of lightweight data services that can play nicely together with each other and connect to things like the DataHub or GitHub.	Rufus Pollock, Michael Aufreiter, Chris Herwig, Mike Morris and others	http://explorer. okfnlabs. org/#about		none	31-07-2012	on-going	Good/EN	no		http://explorer. okfnlabs. org/#rgrp/e3e0b0f1...		Information retrieval services				
DBpedia Spotlight	DBpedia Spotlight is a tool for automatically annotating mentions of DBpedia resources in text, providing a solution for linking unstructured information sources to the Linked Open Data cloud through DBpedia.	Pablo Mendes (Freie Universität Berlin), Jun 2010-present. Jo Daiber (Charles University in Prague), Mar 2011-present. Prof. Dr. Chris Bizer (Freie Universität Berlin), supervisor, Jun 2010-present.	https://github. com/dbpedia- spotlight/dbpedia- spotlight		https://github. com/dbpedia- spotlight/dbpedia- spotlight	10/2012		complete / EN	yes	Apache License, 2.0, LingPipe			Data processing				
Dédalo: Intangible Heritage management and Oral History	Semantic RDF data sources	Juan Francisco Onielfa, Alejandro Peña	http://www.fmomo. org		http://www.fmomo. org/dedalo/pg/down	3.5.56	July 2012	Complete /ES	Yes	GNU GPL v3	http://dedalo. antropolis. net/dedalo/home/		Collection Management	Information retrieval services			
Delving Platform: CultureHub and SIP-Creator	CIDOC CRM (Conceptual Reference Model)	Manuel Bernhardt, Gerald de Jong, Eric van der Meulen, Sjoerd Siebinga, Thomas Wikman, Juliane Stiller	http://delving.eu	Sjoerd, Eric, Gerald were original members of the Europeana development team	https://github. com/delving	Monthly cycle	Active now	Good / EN	Yes	EUPL, Apache 2.0	http://www. digitalecollectienede http://samlinger. kulturnett.no/	Support contract: Delving Credits	Enriching metadata	Information retrieval services			
EADitor	Data and digital management tools.	Ethan Gruber, American Numismatic Society	http://eaditor. blogspot.com/		http://code.google. com/p/eaditor/	.1112 beta (December 2011)	June 2012	Good / EN	yes	Apache License 2.0	http://numismatics. org/archives/	Supports dissemination through Atom and OAI-PMH	Collection Management	Information retrieval services			
Echoprint	Internet design and authoring tools.	The Echonest in partnership with MusicBrainz	http://echoprint. me/		https://github. com/echonest/		4/3/2012	Good / EN	yes	The code generator is MIT and the server is Apache 2			Information retrieval services	Enriching metadata			
EFG Authority File Manager	Web Publication	Paolo Manghi		ThoughtLab		Unreleased		None	no		http://demo. authfile.research- infrastructures.eu/		Enriching metadata				
EFG Metadata Editor		Franca Debole		ThoughtLab		Unreleased		None	no		http: //multimatch01.isti. cnr. it/MetadataEditorPu		Enriching metadata				
Europeana 4D	Our europeana 4D interface – e4D – enables comparative visualisation of multiple queries and supports data annotated with time span data.	Ralf Stockmann, Gerik Scheuermann, Stefan Jänicke, Christian Mahnke	http://wp1187670. wp212.webpack. hosteurope. de/e4d/? page_id=2	ThoughtLab / EuropeanaConnect	http://wp1187670. wp212.webpack. hosteurope. de/e4d/? page_id=11	Unreleased prototype	2011-07-29	Minimal / EN	yes	Unreleased prototype, but will be open source	http://wp1187670. wp212.webpack. hosteurope. de/e4d/? page_id=9		Information retrieval services	Data processing			
Europeana API geo-wrapper		Adrià Mercader, Independent developer	http://amercader. net/dev/geoeuropea	Hackathon winner	https://github. com/amercader/geo	4/2/2011	4/5/2011	Good / EN	No		https://github. com/amercader/geo	A thin wrapper around the Europeana API that transforms the results feed in a GeoRSS. It also includes a demo application that uses the geo wrapper to perform spatial queries. http: //amercader. net/blog/2011/04/europeana- hackathon	Information retrieval services				
Europeana Geo Search app for Android		Georg Petz, Austrian National Library		Hackathon winner	http://svn3.xp-dev. com/svn/eurohack/t	4/2/2011	4/2/2011	None	No		http://pro. europeana. eu/c/document_libra	This Android App shows you records from Europeana with geo coordinates nearby your location. It uses https: //github. com/amercader/geoeuropeana to get GeoRSS results.	Information retrieval services				
Europeana Linguistic Resource Repository	The Europeana Language Resource Repository collects resources which are necessary for query translation and vocabulary mapping in Europeana.	Aaron Kaplan - EuropeanaConnect	http: //europeanalabs. eu/wiki/LinguisticRe	EuropeanaConnect	https: //europeanalabs. eu/svn/contrib/lrr- oss/trunk/	Unknown		Good (EN)	No				Language tools				
Europeana Search API component for Joomla 1.6	Europeana Search API component for Joomla 1.6.	Pictura: Mark Lindeman	http://eurohack. pictura-dp.nl/	Hackathon winner	http://eurohack. pictura-dp.nl/index. php/download	2011		Minimal / EN	No	GPL			Information retrieval services				
Europeana4j	A Java library wich allows applications to search and retrieve Europeana data.	Andrés Viedma		EuropeanaHackathon	http://code.google. com/p/europeana4j/	6/2011		Minimal / EN	No	Apache License 2.0			Information retrieval services				Java library that makes easier the access to the Europeana API
EuropeanaConnect Gazetteer		André Soares, Gilberto Pedrosa.	http://www. europeanaconnect.	ThoughtLab / EuropeanaConnect		Unreleased		None	no		http://europeana- geo.isti.cnr. it/gazetteer		Enriching metadata				
EuropeanaConnect Geoparser		Nuno Freire	http://www. europeanaconnect.	ThoughtLab / EuropeanaConnect		Unreleased		None	no		http://europeana- geo.isti.cnr. it/geoparser		Enriching metadata				

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EuropeanaXMLBuil	A tool for downloading a full record descriptions in the ESE format from any OAI-PMH-compliant interface.	PCSS Digital Libraries Team	http://dl.psnc.pl/software/EXB/site	EuropeanaLocal	http://dl.psnc.pl/software/EXB/site	Unknown		Good / EN	yes	GNU LESSER GENERAL PUBLIC LICENSE			Data processing				
Evergreen	Evergreen is a highly-scalable software for libraries that helps library patrons find library materials, and helps libraries manage, catalog, and circulate those materials, no matter how large or complex the libraries.	Various	http://www.open-ils.org/		http://www.open-ils.org/downloads.php	11/16/2011	4/9/2011	Complete / EN	yes	GNU GPL			Information retrieval services				
Fedora Commons	Fedora (Flexible Extensible Digital Object Repository Architecture) was originally developed by researchers at Cornell University as an architecture for storing, managing, and accessing digital content in the form of digital objects inspired by the Kahn and Wilensky Framework. Fedora defines a set of abstractions for expressing digital objects, asserting relationships among digital objects, and linking "behaviors" (i.e., services) to digital objects.	various researchers at Cornell University	http://fedora-commons.org/		http://www.fedora-commons.org/software	15/11/2012	actively ongoing	Complete / EN	yes: community based	Apache License, Version 2.0.	http://www.fedora-commons.org/about/examples		data processing	Information retrieval services	Collection Management		
File Analyzer and Metadata Harvester	This application functions like a digitization Swiss army knife. The application allows a user to analyze the contents of a file system or external drive and generates statistics about the contents of the contained directories. The application can be used to generate checksum values to ensure the bit-level integrity of files after they have been copied to a new device. After a collection of files have been converted from one digital format to another, this application can verify that there is a one-to-one match of before and after files.	NARA	http://blogs.archives.gov/online-public-access/?p=6270		https://github.com/usnationalarch	2011	8/2012	Complete / EN	no	NARA OPEN SOURCE AGREEMENT VERSION 1.3			Digital Preservation				
GATE (General architecture for text engineering)	GATE is over 15 years old and is in active use for all types of computational task involving human language. GATE solves problems concerning text analysis or human language processing.	Various	http://gate.ac.uk/		http://gate.ac.uk/download/	nov. 2012	actively ongoing	Good / EN	yes: community based	GNU LESSER GENERAL PUBLIC LICENSE v.3.0	http://gate.ac.uk/demos/		Infrastructure	Data processing			
Global References Index to Biodiversity (GRIB)		Boris Jacob		ThoughtLab		Unreleased		None	no		http://gso.gbv.de/DB=1.83/		Information retrieval services				
ICA-AtoM	ICA-AtoM is a web-based archival description software that is based on the International Council on Archives ('ICA') standards. 'AtoM' is an acronym for 'Access to Memory'. ICA-AtoM is multi-lingual and supports multi-repository collections.	Artefactual Systems in collaboration with the ICA Program Commission (PCOM	https://www.ica-atom.org/		https://www.ica-atom.org/download.html	27-08-2012	actively ongoing (new release fall 2013)	Complete / EN	yes: community based	GPL	http://demo.ica-atom.org/		Collection Management	Enriching metadat			
Islandora	Islandora is an open source framework that combines the Drupal and Fedora open software applications to create a robust digital asset management system that can be fitted to meet the short and long term collaborative requirements of digital data stewardship. Additional open source applications are added to this core stack to create what we call Solution Packs.	Gregory Hagedon, and Ginger Bidwell at the University of Arizona Libraries	http://islandora.ca/		https://github.com/Islandora	16/04/2012	actively ongoing	Complete / EN	yes	GNU-GPL	http://sandbox.islandora.ca/		data processing				
jMet2Ont	jMet2Ont is a mapping tool that transforms XML-based metadata records to ontology-based formats. The source metadata format may be flat (e.g. Dublin Core) or hierarchical (e.g. MARC/XML).	Justyna Walkowska, Krzysztof Sielski (Poznań Supercomputing and Networking Center)	http://fbc.pionier.net.pl/pro/jmet2ont/	This tool was created outside of our cooperation with Europeana, but can be used to produce EDM data from many internal and legacy formats. PSNC is the Polish national library metadata aggregator that passes the metadata to Europeana, we also participate in Europeana Libraries WP5.	http://fbc.pionier.net.pl/pro/jmet2ont/dow (http://maven.man.poznan.pl/repository/synat-a10-releases-public/pl/psnc/synat	9/10/2012	see http://fbc.pionier.net.pl/pro/jmet2ont/char	Complete / EN	yes	GPL 3 (http://fbc.pionier.net.pl/pro/jmet2ont/licer	http://fbc.pionier.net.pl/pro/jmet2ont/inde AND http://fbc.pionier.net.pl/pro/jmet2ont/exar		Enriching metadata	Data Processing			
Joomla Europeana Search Component	Europeana Search Component for Joomla.	Pictura NL	http://eurohack.pictura-dp.nl/ and http://hack4europe.pictura-dp.nl/	None formally but is based on the Europeana Open Search API	http://eurohack.pictura-dp.nl/index.php/download		1905-07-03	Minimal / EN	no	GPL			Information retrieval services				
KAT (K-Space Annotation Tool)	The K-Space Annotation Tool (KAT) is a framework for semi-automatic, semantic annotation of multimedia content.	https://launchpad.net/~kat-dev-team	https://launchpad.net/kat			2009	25/7/2009	Minimal	yes	GNU LGPL v3			Data processing				
Koha	Koha is the first free and open source software library automation package (ILS). Development is sponsored by libraries of varying types and sizes, volunteers, and support companies from around the world.	Various	http://koha-community.org/		http://git.koha-community.org/gitweb/		4/13/2012	Complete / EN	yes	GPL-2, or later			Information retrieval services				

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Korbo	Korbo is a Semantic Web basket manager. It allows users to search, import and augment Linked Data resources. Personal augmented collections created with Korbo, are then republished in the Linked Data cloud. Korbo is part of the Muruca suite.	Net7	http://korbo.muruca.org/	DM2E		Not yet production ready but prototype released 1/7/2012		Good / EN	no				Data processing				
Kuali OLE	Kuali OLE is the first system designed by and for academic and research libraries for managing and delivering intellectual information. A community of partners will deliver an enterprise-ready, community-source software package to manage and provide access not only to items in their collections but also to licensed and local digital content. Kuali OLE (pronounced oh-LAY, for Open Library Environment) features a governance model in which the entire library community can collaborate to own the resulting intellectual property.	Kuali OLE https://www.kuali.org/ole/organization	www.kuali.org/ole		https://www.kuali.org/ole/download/mobil	9/27/2012	on-going	Technical / EN https://wiki.kuali.org/display/MOBILI	yes	ECL 2.0			Data processing				
LanguageGrid	Linguagrid is also a family of NLP Web services developed, maintained and published by CELI on Linguagrid	http://www.celi.it/index.shtml	www.linguagrid.org	EuropeanaConnect (mulitlinguality)		Unreleased		Good	yes	Free for research			Data processing				
LodLive	LodLive project provides a demonstration of the use of Linked Data standards (RDF, SPARQL) to browse RDF resources	Diego Valerio Camarda e Silvia Mazzini (http://www.regesta.com/) , Alessandro Antonuccio (http://www.hstudio.it/)	http://en.lodlive.it/		https://github.com/dvcama/LodLiv	7/4/2012	7/4/2012	Minimal (EN/IT)	yes	MIT License			Data processing				
MAchine Readable Cataloging (MARC)	MARC is a ruby library for reading and writing MAchine Readable Cataloging (MARC)	Kevin Clarke, Bill Dueber, William Groppe, Ross Singer, Ed Summers	http://marc.rubyforge.org/		https://github.com/ruby-marc/ruby-marc/	2012	2012	Minimal / EN	no	MIT License			Data processing	Information retrieval services			
MediaInfo	A convenient unified display of the most relevant technical and tag data for video and audio files.	Digitmetrics	http://mediainfo.sourceforge.net/en			22/10/2012		Minimal / EN	yes	LGPL license			Data processing				
MIMO-DB: MIMO Aggregator BackOffice	Database manager.	Rodolphe Bailly	http://www.mimo-project.eu/	ThoughtLab		Unreleased		None	no		http://194.250.19.151/mimo/infodoc/		Enriching metadata				
MIMO-VOC: A multilingual vocabulary management tool	Vocabulary management tool.	Rodolphe Bailly	http://www.mimo-project.eu/	ThoughtLab		Unreleased		None	no		http://incipioinfodoc.archimed.fr/Idesia/home.aspx?INSTANCE=MIMO8		Enriching metadata				
MINT ingestion tool	MINT services compose a web based platform that was designed and developed to facilitate aggregation initiatives for cultural heritage content and metadata in Europe.	Katerina Komninou, Nasos Drosopoulos, Vasilis Tzouvaras, Anna Christaki, Arne Stabenau, Costas Pardalis, Fotis Xenikoudakis, Nikos Simou	http://mint.image.ece.ntua.gr/	ATHENA	https://github.com/mint-ntua/Mint-Athena	11/30/2011		Complete / EN	yes	GNU Affero General Public License	http://oreo.image.ece.ntua.gr:8080/mint/Login_inp		Enriching metadata	Infrastructure			
Neatline	The Scholars' Lab designed Neatline as a suite of plugins for the open-source Omeka framework, which provides a powerful platform for content management and web publication. Through Neatline, you can create create rich representations of places, objects, events, narratives, and documents.	Adam Soroka	http://neatline.org/		https://github.com/scholarslab/Ne	2012	actively ongoing	Complete / EN	no	Apache License v 2.0	http://neatline.org/neatline-in-action/		Exhibition Management				
Numishare	Numishare is an open source suite of applications for managing digital cultural heritage artifacts, with a particular focus on coins and medals.	Ethan Gruber, American Numismatic Society	http://numishare.blogspot.com/		http://code.google.com/p/numishare/	December 2010	26/10/2012 - constant development	Minimal	yes	Apache License 2.0	http://numismatics.org/search/ http://numismatics.org/ocre/	Release packages on google code out of date from subversion code	Collection Management	Enriching metadata	Exhibition Management		
Omeka	A Collection/Exhibition Management System	Roy Rosenzweig Center for History and New Media, George Mason University	http://omeka.org/	Used by Europeana for virtual exhibitions	http://omeka.org/download/ https://github.com/omeka	1.5.1	2012-01-11	Complete / EN	yes	GNU GPL			Exhibition Management	Collection Management			
Open Licenses Service	Data on more than 100 open licenses. Including all OSI-approved open source licenses and all Open Definition conformant open data and content licenses. Provided in easy to use, machine readable JSON -- perfect if you need to drop a license chooser into your app.	Open Knowledge Foundation	http://licenses.opendefinition.org/	DM2E	http://licenses.opendefinition.org/		1/2012	Minimal / EN	yes	MIT License			Infrastructure				
Open Sahara	Open Sahara is a free webservice that can analyse, index and semantically enrich the content of documents, websites, and blogs.	Maintained by TalkingTrends	https://dev.opensahara.com/		https://dev.opensahara.com/projects	10/2012		Minimal / EN	yes	BSD like			Data processing				

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OpenRefine	OpenRefine (ex-Google Refine) is a powerful tool for working with messy data, cleaning it, transforming it from one format into another, extending it with web services, and linking it to databases like Freebase. Free Your Metadata has created an OpenRefine extension for Named-entity recognition.	Free Your Metadata	http://freeyourmetadata.		https://code.google.com/p/google-refine/downloads/lis	dec. 2011	actively ongoing	Complete / EN	yes	BSD 3-Clause License			Collection Management	Enriching metadata			
Pundit	A semantic annotation tool for creating structured relations (in the form of RDF data) among web content fragments, LOD entities and controlled vocabularies terms.	Net7, UNIVPM	http://thepund.it	DM2E		07/2012	07/2012	Good / EN	yes		http://thepund.it/latest/examples/a		Data processing	Enriching metadata	User Engagement		
PyBossa	PyBossa is a free, open-source, platform for creating and running crowd-sourcing applications that utilise online assistance in performing tasks that require human cognition, knowledge or intelligence such as image classification, transcription, geocoding and more!	Open Knowledge Foundation	http://www.pybossa.com	DM2E	https://github.com/PyBossa/pybos		07/2012	Complete / EN	yes	GNU Affero General Public License	http://pybossa.com/app/		Data processing	Enriching metadata	User Engagement		
pymarc	read, write and modify MARC bibliographic data	Gabriel Farrell, Mark Matienzo, Ed Summers	http://pypi.python.org/pypi/pymarc		https://github.com/edsu/pymarc		3/2012	Good / EN	yes	BSD			Data processing				
Random Image Exp	Website that generates random i	Willem Jan Faber, N	http://europeana.fe2.nl/	Hackathon winner	http://europeana.fe2.nl/static/rie_europea	4/5/2012		Minimal / EN	no		http://europeana.fe2.nl/		Information retrieval services				
Recline.js	A simple but powerful library for building data applications in pure Javascript and HTML.	Max Ogden, Rufus Pollock	http://reclinejs.com/		https://github.com/okfn/recline	sept. 2012	actively ongoing	Complete / EN	no	MIT license	http://reclinejs.com/demos/		Infrastructure				
REPOX	REPOX is a framework to manage metadata spaces. It comprises several channels to import metadata from data providers, services to transform metadata between schemas according to user's specified rules, and services to expose the results to the exterior. REPOX aims to provide to all the TEL and Europeana partners a simple solution to import, convert and expose their bibliographic data via OAI-PMH.	Gilberto Pedrosa	http://repox.ist.utl.pt/	EuropeanaConnect	http://repox.ist.utl.pt/download.html	13/12/2012		Complete / EN	yes	GNU			Infrastructure				
ReSearcher	ReSearcher is an award-winning integrated suite of open source products for locating and managing electronic information resources, designed for use by students and researchers in academic libraries.	Simon Fraser University Library	http://researcher.sfu.ca/				actively ongoing	Complete / EN	no	GNU GPL			Data processing	Information retrieval services			
ResearchSpace	ResearchSpace (RS) is aimed at supporting collaborative internet research, information sharing and web applications for the cultural heritage scholarly community. The ResearchSpace environment intends to provide following integrated elements; Data and digital analysis tools; Collaboration tools; Semantic RDF data sourcesCIDOC CRM (Conceptual Reference Model); Data and digital management tools; Internet design and authoring tools; Web Publication	Development requirements https://sites.google.com/a/researchspa		www.researchspace.org						ECL 2.0		This project is led by the British Museum					
ResourceSpace	ResourceSpace is a web-based, open source digital asset management system (DAM)	Montala (under contract with Oxfam)	http://www.resourcespace.org		http://svn.montala.net/svn/resourcespa	10/4/2012	11/23/2012	Good / EN	yes	BSD style license			Collection management	Digital Asset Management			
SIREn: Efficient semi-structured Information Retrieval for Lucene	Semantic Information Retrieval Engine - a Lucene plugin to efficiently index and query RDF, as well as any textual document with an arbitrary amount of metadata fields.	Max Ogden	http://siren.sindice.com/		https://github.com/rdelbru/SIREn/	11/2011	11/2011	Good / EN	yes	GNU Affero General Public License, version 3			Information retrieval services				
SIWA: The EuropeanaConnect Service Integration Platform		John Glover	http://www.europeanaconnect.	ThoughtLab / EuropeanaConnect		Unreleased		None	no				Infrastructure				
Solr	Enterprise search platform	James Casbon	http://lucene.apache.org/solr/		http://www.apache.org/dyn/closer.cgi/lucene/solr/3.6.1			Complete / EN	yes	Apache License Version 2.0	Ubiquitous	Underpins many systems	Information retrieval services	Infrastructure			
SUSHI Py	A lightweight and open-source SUSHI library for Python.	Adrià Mercader	http://sourceforge.net/projects/sushipy		http://sourceforge.net/p/sushipy/code/	4/4/2012		Minimal / EN	no				Data processing				
TEXTUS	Open source platform for working with public domain texts and associated metadata	Dominik Moritz	http://textusproject.org	DM2E	https://github.com/okfn/textus		10/2012	Minimal / EN	yes		http://beta.openphilosophy.org/		Enriching metadata				
The ClioPatria semantic search web-server	Semantic search webserver.	Friedrich Lindenberg	http://e-culture.multimedian.nl/software/ClioPatr	ThoughtLab / EuropeanaConnect	http://cliopatria.swi-prolog.org/cpack_home		11/22/2011	Complete / EN	yes	GPL-2	http://eculture.cs.vu.nl/europeana/sessio		Information retrieval services				
The Guide on the Side software	A freely available tool that allows librarians to quickly and easily create online, interactive tutorials that are based on the principles of authentic and active learning	Leslie Sult, Justin Spargur, Gregory Hagedon, and Ginger Bidwell at the University of Arizona Libraries	http://code.library.arizona.edu/gots/		https://github.com/ualibraries/Gui	2012	actively ongoing	Complete / EN	yes: community based	GNU	http://www.library.arizona.edu/applications/qui		Infrastructure				

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Triplify	Triplify provides a building block for the "semantification" of Web applications. Triplify is a small plugin for Web applications, which reveals the semantic structures encoded in relational databases by making database content available as RDF, JSON or Linked Data.	Sören Auer, David Aumüllerm, Sebastian Tramp	http://triplify.org/Overview		http://sourceforge.net/projects/triplify/?	28/1/2011	28/1/2011	Good / EN		GNU Lesser General Public License			Data processing	Enriching metadata			
Unified Digital Format Registry (UDFR)	The UDFR is a reliable, publicly accessible, and sustainable knowledge base of file format representation information for use by the digital preservation community. The UDFR seeks to "unify" the function and holdings of two existing registries, PRONOM and GDFR (the Global Digital Format Registry), in an open source, semantically enabled, and community supported platform.		http://udfr.org/		https://github.com/UDFR/UDFR-Models		2012	Good / EN	no	Information from individual contributors is supplied under the CC-BY license; information from the PRONOM registry is supplied under the OGL license.			Digital preservation				
Unlock Text	Unlock Text is a powerful geoparser that can search text hosted on the web in txt or html format for references to locations.		http://unlock.edina.ac.uk/texts/introduction			Unreleased		Good / EN	yes				Data processing				
Video Frame Analyzer	This application is used to analyze technical properties of individual frames of a video file in order to detect quality issues within digitized video files. Within video files, the quality issues that might arise vary from collection to collection. This application allows the user to configure the tests to be performed against a file and to tailor those setting to a specific collection.	NARA	http://blogs.archives.gov/online-public-access/?p=6270		https://github.com/usnationalarch		9/2011	Good / EN	yes	NARA OPEN SOURCE AGREEMENT VERSION 1.3			Digital preservation				
VuFind	Library resource portal.	Villanova University's Falvey Memorial Library.	http://vufind.org/		http://vufind.org/downloads.php	10/2012		Good / EN	http://vufind.org/support.php	GPL			Collection management				
Waisda?	Crowdsourcing video annotation software.	Q42: Kamil Afsar, Martijn van Steenbergen	http://blog.waisda.nl/	Netherlands Institute for Sound and Vision	https://github.com/beeldengeluid/	7/26/2012		Good / EN	no	GPL	woordentikkertje.manbijthond.nl		Enriching metadata	User Engagement			
Wandora	Wandora is a general purpose information extraction, management and publishing application based on Topic Maps and Java.	Wandora Team	http://www.wandora.org		http://www.wandora.org/wiki/Download	2012	2012-06-21	Good / EN	yes	GNU GPL v3	http://kokoelmat.fng.fi/		Data processing				
WorldCat Search			http://worldcat.org/devnet/code/dev		http://worldcat.org/devnet/code/dev	Unreleased prototype		None	no	GNU Lesser General Public License v2			Information retrieval services				
xDams Platform OS	xDams is a web based platform for creating, managing and publishing finding aids EAD and EAC-CPF schema compliant.	http://www.regesta.com/	http://www.xdams.org/		https://github.com/xdamsorg/xDa	7/10/2012	7/10/2012	Minimal / IT	yes	GNU GPL v3	http://www.youtube.com/user/xdamspla		Information retrieval services	Collection Management	Exhibition Management		
xEAC	xEAC is an XForms-based prosopographical information management system for creating and publishing Encoded Archival Context (EAC-CPF) records	Ethan Gruber, American Numismatic Society			https://github.com/ewg118/xEAC		July 2012	Minimal / EN	yes			Development began in June 2012	Collections Management	Data processing			
yuma.min.js	Open Source media annotation toolkit that makes content on a Web page annotatable with just a few lines of JavaScript. **Deprectated** Cf. 'Annotorious'	Austrian Institute of Technology: Rainer Simon, Joachim Jung, Bernhard Haslhofer	http://yuma-js.github.com	ThoughtLab / EuropeanaConnect	https://github.com/simon/yuma.min.js	1/18/2012	June 2012	Minimal / EN	yes	GPL v.3	http://yuma-js.github.com/demos.html		Enriching metadata	User Engagement			