Daguerreobase

Collective cataloging tool for daguerreotypes
and daguerreotype literature

ICTPSP
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DELIVERABLE

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D4.1. Road Map to a Renewed Daguerreobase

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REVISION HISTORY AND STATEMENT OF ORIGINALITY

Revision History

Revision	Date	Author	Organisation	Description
1.0	02/02/2013	Sieta Neuerburg Mark Lindeman Robert Tiessen	PIM	First version
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1.3	04/03/2013	Filip Boudrez	eDAVID	Second revision
1.3	04/03/2013	Herman Maes	NFM	Second revision
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Statement of originality:

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Introduction - Scope of this Roadmap

This is the roadmap for development of the renewed Daguerreobase and all related products needed to comply with the requirements from WP4. As PIM is also assigned some related tasks in other work packages, these task will have an influence on the products of WP4. These tasks will be mentioned in this roadmap, but are not part of it.

The description of WP4 as mentioned in the project documentation *Section B3. Implementation, paragraph B3.2a. Chosen approach*, will be leading for the products that will be the scope of this roadmap.

Products in this Roadmap

The following section contains a breakdown of the "products" that are subject of attention of this roadmap. It is important that the consortium and the PMB will come to a consensus in accepting the proposed products and confirm that this list is complete.

Main products

The Daguerreobase 'portal' can be divided in three main products:

1. **The Front End Website**
   referred to as "**website**" in the rest of this document
   This is the most visible part for the visitor of the renewed Daguerreobase portal.

2. **The Content Management System**
   referred to as "**CMS**" in the rest of this document
   The CMS is a management application for maintaining of the non-collection content of the website, such as literature and documentation, news articles, blog pages, etc. For this product PIM do propose the Open Source CMS *Joomla*.

3. **The Record Management System**
   referred to as "**RMS**" in the rest of this document
   The RMS is the tool that the participants will use to manage the actual content, such as descriptions of Daguerreotypes, For this product PIM will propose Picturae's Collection & Record management System *Memorix Maior*.

Functional Design

A functional design will be created for the website and the RMS. The functional design will consist of wireframes and textual descriptions of the functionality. For some functionality Use Cases will be written.
There will be no functional design for the CMS, since we will be using Joomla.

Visual Design

A visual design will be created for the website. The visual design consists of 3-5 mock-ups showing clearly the look & feel of the renewed Daguerreobase.
Both the CMS as the RMS will not have a visual design as a deliverable; both systems have their own design and there is no need for a custom look & feel here.

Record Management System (RMS)

Based on the outcomes of the deliverables of WP3 (Best practice and standards description), the RMS will be configured in such a way that all fields and thesaurus / entries lists alignments are in place. For each partner and content provider, collections will be created and access will be given by an administrator(s). Data entry will be preferable done by means of Memorix Maior. Details about the later use of the program will be described in the *Long term sustainability Plan (D7.1)* and *Business Plan (D7.4)*. In this product, tools, such as bulk data entry, search and replace, in- and export, connection of EXIF data to the metadata management, use of SKOS based ontology's, are available to help partners in the most efficient way to ensure easy and fast data entry.
Tooling for the management of thesauri (as defined in WP3) will be incorporated, as well as tooling to connect records to other Linked Open Data (LOD) resources.
A record import tool based on the CSV (Comma Separated Values) format will be incorporated for Partners with existing record management systems. The use of XML supported in- and export tools will be subject of research.
This product also includes the Digital Asset Management System (DAM). Partners will be able to manage their digital images and can view them using our web based high resolution image viewer.
Once this product is done, content providers will be able to start editing of their collections. The use of a temporary simplified registration method (such as Excel), helpful for the in-time registration of larger collections, will be subject of research.

Full Text search engine

After the RMS is fully operational, the development of the full text search engine can start. The open source project Apache Solr will be used for this. This product is a very important one in the roadmap, since it will proxy al user entered queries for the Daguerreobase portal and must be able to serve the Daguerreotypes as fast as possible to the website, to guarantee the best user experience for the public interested in Daguerreotypes.

In this product we will have to determine which fields are used for queries and how the relevance of this fields will influence the scoring of the search result. We will also have to decide which data is suitable for presenting the facet-based searching possibilities of the portal. The issue of multi-language queries needs to be resolved here as well.

As with the RMS product, the outcomes of WP3 will be of large influence on this product.

Content Management System (CMS)

The open source CMS Joomla will be deployed to Picturae's hosting infrastructure. It will be configured and access rights will be given to all current and new partners and content providers. The CMS will be the partners communication system to share news items, blog articles or events with the public.

In contrast to the documentation in *Section B3. Implementation, paragraph B3.2a. Chosen approach*, we will use the most current version of Joomla (2.5) instead of version Joomla 1.6.

The website

The website will of course be the most visible part of the renewed Daguerreobase. The website will be based on the use of Joomla CMS. The website consists of several sub-products.

Implementing the visual design

Based on the visual design templates, style sheets and images will be created. For this we will use the most recent techniques (HTML5/CSS3). This will ensure the best user experience for most visitors, on both desktop computers, tablets and mobile devices.

Blog/News/General content

The blog is available for all current and new consortium partners and content providers. They will be able to share Daguerreotypes based information with the public. General content will include information about the project and more detailed information about the consortium partners.

Daguerreotypes search, retrieve and display

Being the most important part of this project, a lot of effort will be put in this part of the website. An attractive user interface will present daguerreotypes and allows visitors to quickly find them, based on user entered queries and/or faceting techniques.
A high resolution image viewer will be used to show the maximum quality available of digital images. This viewer can zoom into digital images without the need to directly download the entire digital image. Even with slow internet connections or on mobile devices, visitors can enjoy Daguerreotypes.

<u>User generated content / Social Media integration</u>

A system will be created where visitors can comment on Daguerreotypes and other related content. Partners and content providers are able to moderate these comments with the RMS. Visitors are also able to tag Daguerreotypes with their own keywords. Integration with social media (Facebook, Twitter, Google+, etc) will be incorporated to give visitors the opportunity to express their opinion about the content of Daguerreobase.

OAI-PMH interface

An OAI-PMH (Open Archives Initiative – Protocol for Metadata Harvesting) interface will be developed as a transfer mechanism for a selective transfer of metadata to Europeana. The actual ingestion procedure will be described in WP5, Deliverable D5.1, and is a task for WP5 leader. This OAI-PMH interface will express metadata and links to digital objects in the Europeana ESE v3.4 format.

Global planning of the delivery of products
- Q1 2013: Visual Design
- Q2 2013: Functional Design, Visual Design, RMS
- Q3 2013: RMS, Full Text Search Engine
- Q4 2013: CMS, Website
- Q1 2014: Website
- Q2 2014: Europeana connection