

Aggregation Models and Practices in Europe

The Belgian Example

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What is cultural aggregation?

- Gathering digital content from cultural organisations
- Bring this together on the web by using standardised file and metadata formats
- Channel this digital data into regional, national, European portals such as Europeana

Variety of aggregation models

- Aggregation for Europeana
- Aggregation of all types of cultural resources on national (or regional) level
- Aggregation on national or regional level limited to a certain GLAM domain or theme

The Belgian situation

- Federal government: scientific institutes
- The communities
 - People & Culture
 - Movable & intangible heritage, libraries
- The regions
 - Territory
 - Monuments, archaeology, landscapes
- The provinces



Federal initiatives

- Discussions are limited to aggregation of federal digital cultural content
- PPP discussions and some ideas for research projects didn't reach maturity
- Some separate initiatives, mainly with a focus on aggregating content for Europeana

Flemish initiatives

- Feasibility study (December 2010) explores
 - Common interest in setting-up a cross-domain aggregator in Flanders
 - Needed resources and personnel
 - Technical solutions
 - Prerequisites
 - Sustainability

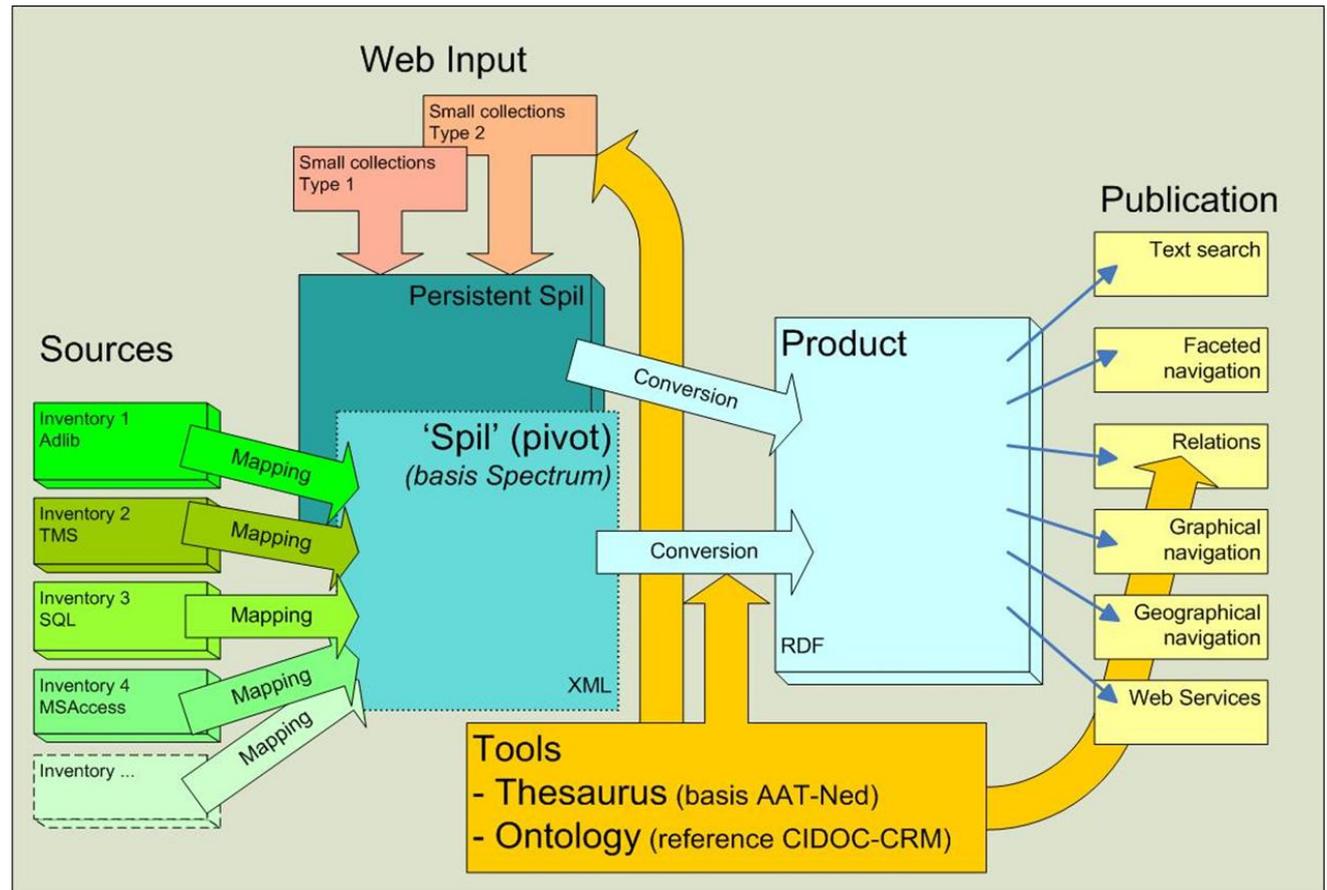
Flanders anno 2013

- No cross-domain aggregator so far
- Some ongoing and planned initiatives
 - ErfgoedPlus
 - VIAA
 - LIBIS

ErfgoedPlus.be

- Initiative from the province of Limburg
- Design in 2002, started in 2005
- Collecting existing digital information from all kinds of digital cultural heritage repositories
- Harmonize data structures and semantics
- Semantic web technology

Erfgoedplus.be architecture



*Acknowledgements to Jef Malliet,
Province of Limburg*



erfgoedplus.be
vind meer dan je zoekt

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[help](#)

Welkom op Erfgoedplus.be!

Ga op ontdekkingsreis doorheen de nieuwe zoekwebsite voor erfgoed uit Limburg, Vlaams-Brabant en Leuven.

Op dit moment vind je hier vooral religieus en museaal erfgoed, maar de databank groeit voortdurend aan!

Kies voor een persoon, plaats, collectie, object of voor vrij zoeken en start met een zoekterm je zoektocht doorheen Erfgoedplus.be.

- PERSOON** 
- PLAATS** 
- COLLECTIE** 
- OBJECT** 
- VRIJ ZOEKEN** 

ZOEKEN



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Zoek hier naar erfgoed uit Limburg, Vlaams-Brabant en Leuven.

Verder zoeken

Collectie

ZOEKEN

Productie-eeuw

14 15 16 17 18 19 20 21

Suggesties

Object **ZOEK**

- etsen (prenten) 88
- kopergravures (prenten) 98
- lithografieën (prenten) 524
- schilderijen 1521
- tekeningen 151

[meer...](#)

Materiaal **ZOEK**

- canvas 933
- olieverf 1255
- papier (vezelproduct) 1344
- plakkaatverf 219

Filters

[nieuwe zoekopdracht](#)

Collectie leuven

Zoekresultaat

Sorteren

Titel - a-z

resultaat 1 - 10 van 4395



Titel: "In het Oude Woud"
Productiedatum: 1801 - 1900
Locatie: Centrale Bibliotheek (Leuven) [Q](#)



Titel: "Five o' clock" in het Begijnhof in Leuven
Object: schilderijen [Q](#)
Vervaardiger: kunstschilders: Maes, Paul Victor
Productiedatum: 1924 - 1955
Locatie: M (Leuven) [Q](#)



Titel: "Tonvariator n° 3" met drukregulator
Object: audiometers [Q](#)

Collections from Limburg,
Flemish-Brabant and Leuven

VIAA

- A result of research projects like BOM-Vlaanderen (Media & Culture), Archipel(Culture), Flanders in vision (Media)
- Focusses on long-term preservation and accessibility of audio-visual material
- Project recently kick-off, first years will focus on audio-visual materials
- Culture might follow ... When?

LIBIS

- Library automation service of the KU Leuven
- Support scientific and public organisations in managing their library (MARC), archival (EAD) and museum (LIDO) collections
- Already provides unified resource discovery and delivery to LIBIS partners (LIMO)

LIBISnet

Open ViACC de Bib

Lias

Heron

Publishing



Limo

Primo

Aleph MetaLib DigiTool

Discovery and delivery



LibriLinks

Linking

SFX bX

Public layer

Alma

Alma

Aleph

SFX
MetaLib
Verde

DigiTool

Print

Electronic

Digital



CollectiveAccess

Management layer

Rosetta

DigiTool

Repository layer

Library

Archive

Museum

LIBIS in Europeana Inside

- Offer aggregation tools for contribution of content to Europeana for its partners
- Europeana Connection Kit (ECK)
- Collaboration between content partners, technical partners and aggregators
- Simplify the contribution of content to Europeana

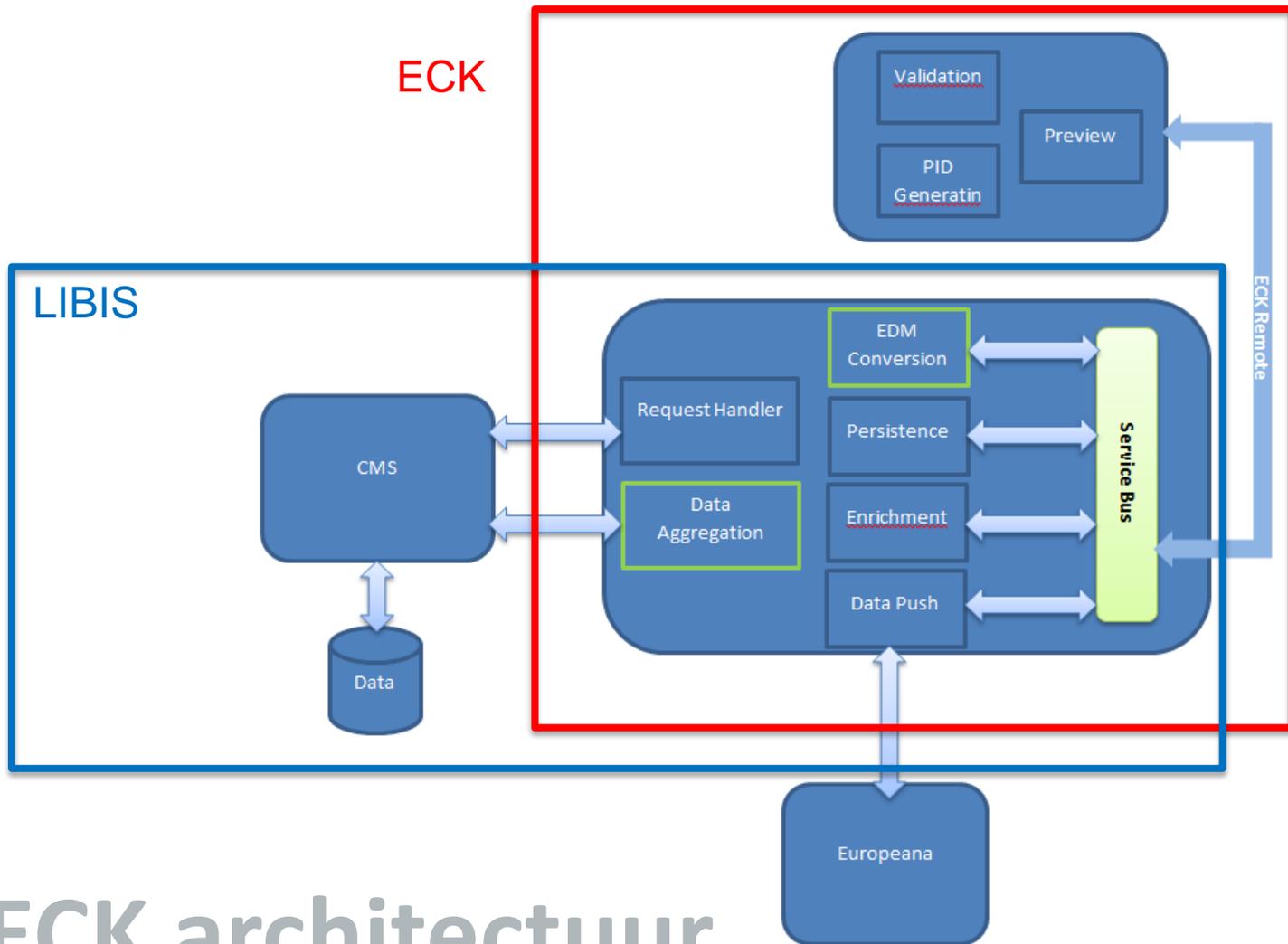


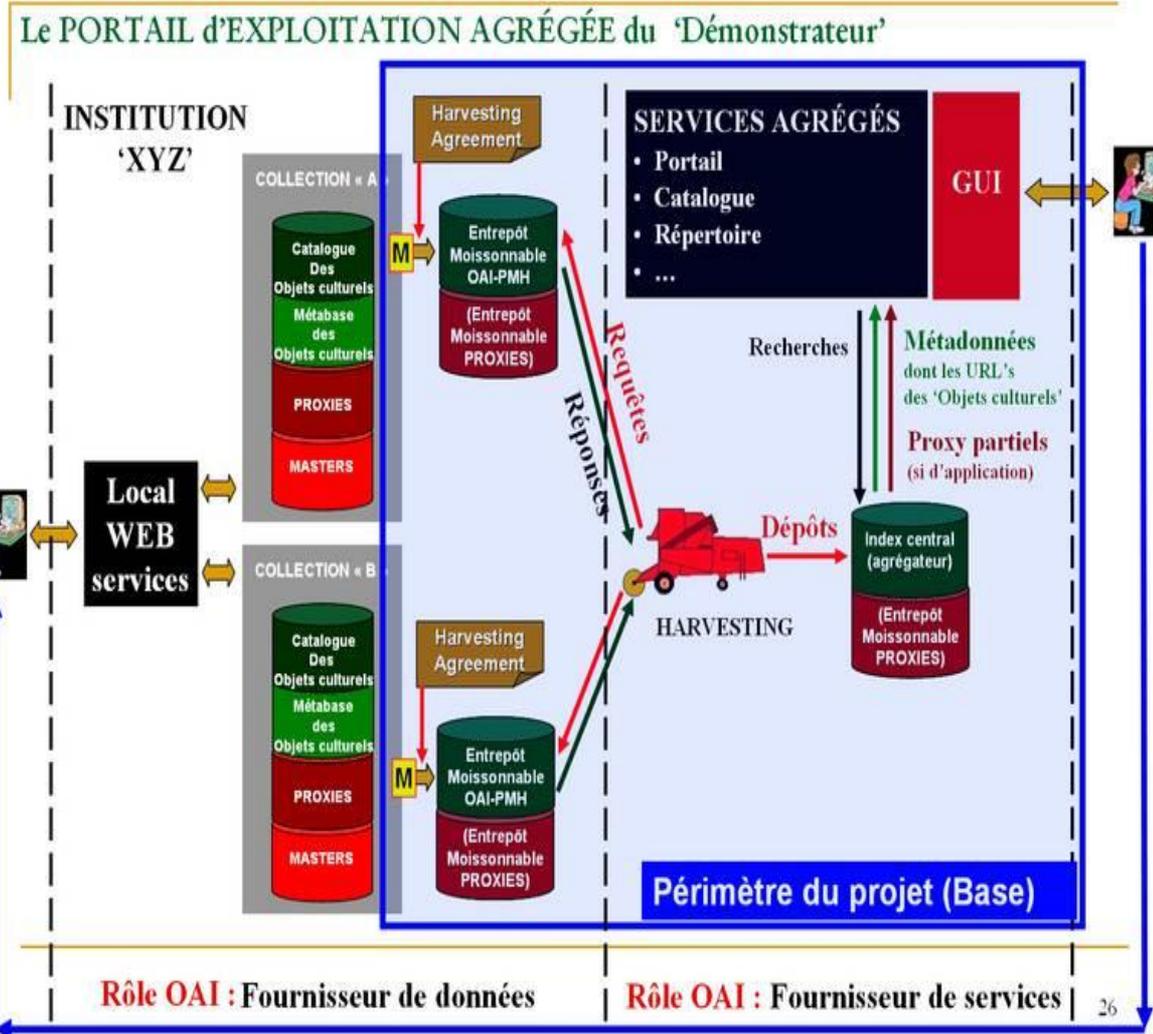
Figure 3 LIBIS Content Delivery System's Proposed Architecture

Federation of Wallonia-Brussels

- Plan PEP
- Main objectives
 - Enable research and presentation of the digital collections of the French community
 - Ensure visibility and a common cross-promotion of cultural heritage of the Federation
 - Provide access to these assets
 - Be the aggregator for Europeana

Prototype

- Film archive
- Mariemont
- University libraries



Source Fédération Wallonie-Bruxells
<http://www.numeriques.cfwb.be/index.php?id=7696>

Let's have a look at a national cross-domain aggregator...

Deutsche Digitale Bibliothek (DDB)

[SUCHE](#) [ÜBER UNS](#) [HILFE](#)

Deutsch ▾



DEUTSCHE DIGITALE BIBLIOTHEK **BETA**
Kultur und Wissen online



Erweiterte Suche

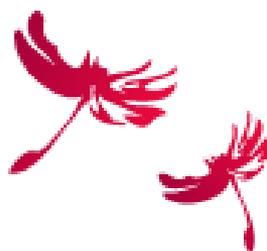
Navigation carousel with four items:

-  **<** **>**
Das ist die Deutsche Digitale Bibliothek!
- 
Wir sind die DDB: Bibliotheksservice-Zentrum Baden-Württemberg...
- 
Thema des Monats: Robert Koch
-  **>**
Gesetzentwurf zur Nutzung „verwaister“ Werke ist ein...

www.deutsche-digitale-bibliothek.de

Work in progress...

Beta-Version online since November 2012



DEUTSCHE DIGITALE BIBLIOTHEK **BETA**
Kultur und Wissen online



Erweiterte Suche



- Currently 5.600.000 objects online
- In some cases images are missing
- In some cases (archives) there will be no images, i.e. structural records

Ergebnisse filtern

- Zeit >
- Ort >
- Person/Organisation >
- Stichwort >
- Sprache >
- Medientyp >
- Sparte >
- Datenlieferant >

Alle Filter beibehalten

Ergebnisse pro Seite Sortieren nach

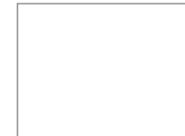
1 - 20 von 5.665.248 Ergebnissen

Seite von 283.263 Weiter > Ende >

Nur Ergebnisse mit Miniaturansicht

Benedikt Schmid, Göschweiler gegen Konrad Eggert, Göschweiler wegen Besitzstörung

1841-1842, Landesarchiv Baden-Württemberg Abt.Staatsarchiv Freiburg, A 11/1 Hofgericht des Seekreises



Anlegung eines Militärmagazins

1792-1797, Landesarchiv Baden-Württemberg Abt.Generallandesarchiv Karlsruhe, 119 Ortenau, Landvogtei



Seyfried, Conrad, Zimmermann aus Enzberg: Erbauung einer Scheune

1860-1861, Landesarchiv Baden-Württemberg Abt.Staatsarchiv Ludwigsburg, F 183 III Oberamt Maulbronn: Bauakten



Veigel, Jakob: Vergrößerung der Scheune durch zwei Anbauten

1891 Landesarchiv Baden-Württemberg Abt Staatsarchiv Ludwigsburg F 154 II Oberamt



All cultural heritage domains

Archive, Library, Research, Museum, Media, Monument care...

Nach Häufigkeit geordnet

Seite 1

Archiv	(2.926.118)	Denkmalpflege	(13.160)
Bibliothek	(2.086.808)	Sonstige	(6.660)
Forschung	(408.039)		
Museum	(170.508)		
Mediathek	(53.955)		

Data model

- Metadata-model build on the basis of CIDOC-CRM
- For practical reasons (more effectiveness) this will be changed to DDB-EDM
- DDB-EDM will be closely related to EDM

Source & target

- National aggregator for Europeana
- So far no record is delivered to Europeana via the DDB = still in preparation
- Most content comes from few institutions only

Finance and sustainability

- Financed by the Federal States and the central Government
- Still in project phase
- + 1 million invested so far
- Evaluation at the end of the year to decide if financing will go on

Acknowledgements to

- Jef Malliet (on ErfgoedPlus)
- Stefan Rohde Enslin (on DDB)

Questions?

Thank you for your attention!

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www.libis.be