

biblissima

a project to support digital
humanities tools and repositories

bibliotheca bibliothecarum novissima



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Outline

- ❖ biblissima in brief
- ❖ aim and content
- ❖ vision
- ❖ challenges for the team biblissima

- ❖ contact

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In brief

- ❖ two phases
- ❖ eight partners
- ❖ one project leader (Campus Condorcet)
- ❖ 7.1 million € (France)

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I R H T



{ BnF



École
nationale
des chartes



M R S H

NORMANDIE - CAEN

Maison de la Recherche

en Sciences Humaines

CNRS - Université de Caen Basse-Normandie

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Responsibilities

- ❖ executive committee: A.-M. Turcan-Verkerk
- ❖ executive board
- ❖ phase 1 (viewer + metadata): Matthieu Bonicel
- ❖ cluster metadata: Cyril Masset
- ❖ electronic editions: Pierre-Yves Buard
- ❖ e-learning: Marjorie Burghart

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Scientific council

- ❖ twenty people from different fields and backgrounds

Digital
Humanities
Library

Archive

Research
Language

Music

Teaching

History

Literature

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Collaborations

- ❖ Stanford University
- ❖ e-codices
- ❖ ...

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Outreach

- Although **biblissima** is a national project, financed by the Ministry for Higher Education and Research of France, it might become an international effort.
- The content (images – transcriptions – descriptions - annotations – tutorials and other tools) provided by **biblissima** will be publicly accessible.

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- ❖ Collaborative portal - data from different institutions
 - ❖ digital facsimiles
 - ❖ descriptions CHO
 - ❖ transcriptions
 - ❖ data enrichment
- ❖ tutorials and online tools

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What ?

- ❖ manuscripts
- ❖ early printed books
- ❖ books and letters from the 16th - 18th centuries
- ❖ inventories and catalogues

IMAGES – LITERALS – URIs – mp3 (?)

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And Collections

- ❖ Library of the Sorbonne 14th – 16th centuries
- ❖ Library of Charles V and VI
(Louvre and Vincennes)
- ❖ Bibliotheca bibliothecarum de Montfaucon
- ❖ Sanderus electronicus
- ❖ Library Mont Saint-Michel

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“Vision biblissima”

- ❖ backend: RDF (triple store)
- ❖ high granularity
- ❖ complete set of relations between CHOs, concepts, agents, dates and places
- ❖ main focus: history of the transmission of texts and the dynamics in collections
- ❖ workspace for data creation from image to text

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“Vision” workflow expert cataloguer/researcher

- ❖ from the digital facsimile towards an expert manuscript description
- ❖ from the digital facsimile towards an expert transcription (Sanderus electronicus ; Glossa ordinaria)
- ❖ survey on XML editors

collaboration with Stanford (Shared Canvas)

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Challenge 1 : Source data in many formats

- ❖ individual databases (MySQL ; ACCESS ; etc.)
- ❖ TEI
- ❖ Marc21, Marc XML, Intermarc, Marc-TEI
- ❖ EAD
- ❖ METS/MODS
- ❖ RDF/XML
- ❖ docx and/or odt

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Intended workflow

- ❖ ontology in OWL
- ❖ mappings 2 RDF (matching subset)
- ❖ Thesaurus (Thesauri ?) [biblissima](#)
- ❖ automated workflows for docx and/or odt
- ❖ automated workflow for persistent annotations
(workspace image-viewer)

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Development (**biblissima**-)OWL in the context of

- ❖ DM2E
- ❖ SAWS
- ❖ OAC (Shared Canvas)
- ❖ CIDOC-CRM and FRBRoo
- ❖ RDA
- ❖ DPLA

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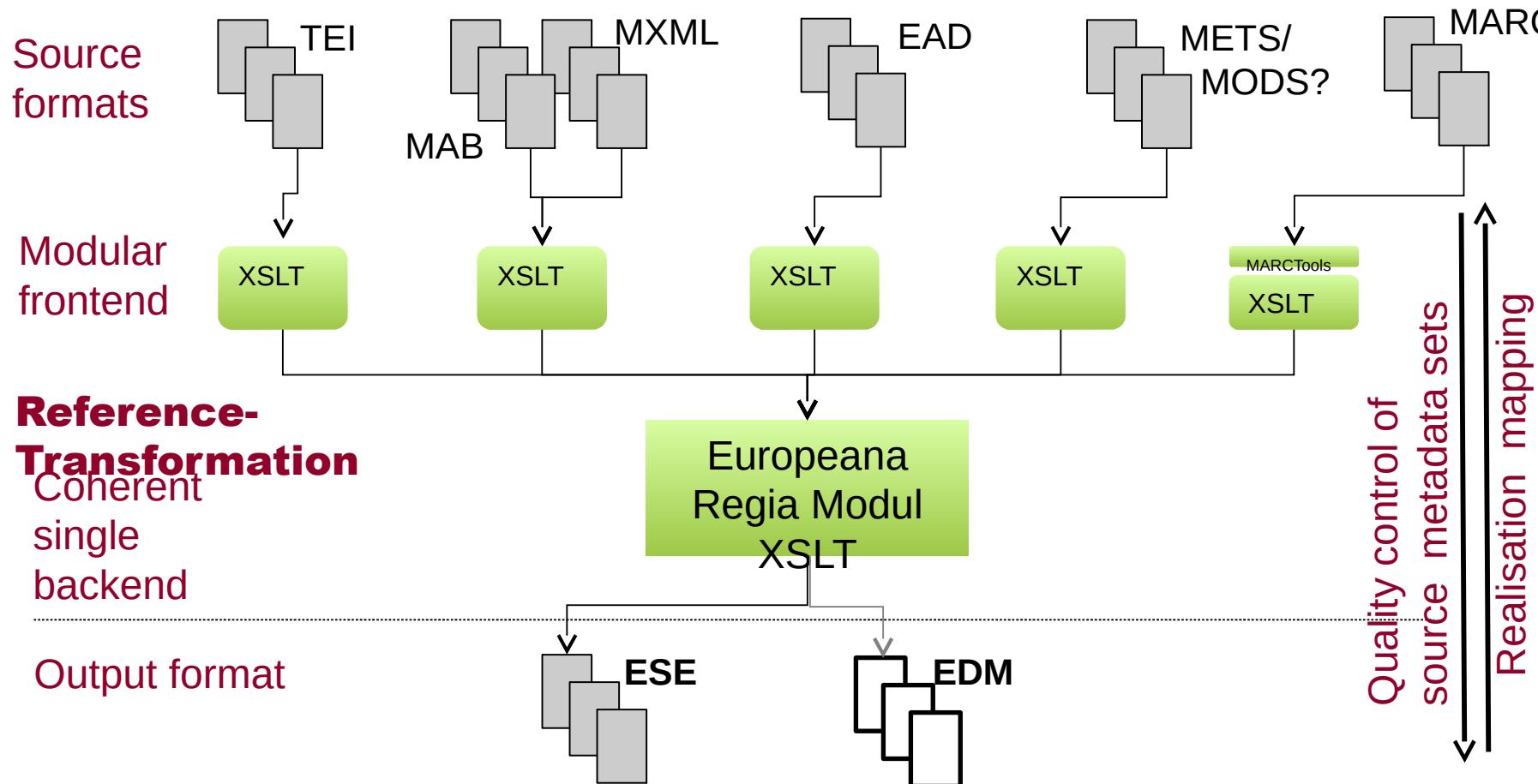
Crosswalks

building on the results of Europeana Regia

- ❖ <http://sourceforge.net/projects/erelia2eseedm/>
- ❖ <http://diglib.hab.de/rules/documentation/>
- ❖ <http://www.europeanaregia.eu>

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Europeana Regia quality management tool



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Enhancing existing XSLTs

- ❖ TEI
- ❖ EAD2 EDM
- ❖ Marc21

EDM as defined by the Europeana Libraries project (D5.1)

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Challenge 2 : collect, create and assign
URIs

- ❖ people / institutions
- ❖ places
- ❖ digital facsimiles (books and letters)

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But also URIs for

- ❖ holdings (? ISIL ?)
- ❖ projects ([biblissima](#) ? dc:source ?)
- ❖ databases (? dc:source ?)
- ❖ collections (virtual and/or real)
- ❖ titles (single / corpus / edition-level)
- ❖ concepts (?) ; subjects (?) ; digital editions (?)

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Challenge 3 : Infrastructure

- ❖ adequate triple store (number of triples in [biblissima](#) ?)
- ❖ import-interfaces
- ❖ portal plus tutorials
- ❖ export-interfaces
- ❖ Thesaurus / Thesauri

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Triple store solutions

- ❖ native (e.g. Jena)
- ❖ object-relational database (e.g. Virtuoso)
- ❖ relational database (e.g. MySQL)

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Challenge 4 : establish and strengthen relationships

- ❖ content provider
- ❖ researcher
- ❖ communities
- ❖ bureau, management

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Contact:

A.-M. Turcan-Verkerk

bureau@biblissima-condorcet.fr

Maison des sciences de l'homme Paris Nord

(3 rue de la Croix Faron, 93210 La Plaine Saint-Denis)

<http://www.biblissima-condorcet.fr>

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Paris-Aubervilliers

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