IIIF360
A Service to Support and Promote IIIF in France

Bern IIIF Showcase Event

Swiss National Library, Bern, Switzerland - May 15th, 2019

Biblissima
@biblissima

Régis ROBINEAU
@regisrob

IIIF360?

- Expertise service around IIIF standards:
  - launched in November 2018
  - co-operated by Biblissima, the Campus Condorcet and Huma-Num
  - offers consulting, hosting and development services
  - aimed at higher education/research and cultural heritage institutions

3 stakeholders

- Biblissima
- Campus Condorcet
- Huma-Num

Biblissima
Patrimoine écrit du Moyen Âge
et de la Renaissance

CAMPUS CONDORCET
Paris–Aubervilliers

Huma-Num

Biblissima *(“Bibliotheca bibliothecarum novissima”)*

- Data facility for historians of ancient texts
- 10 partners, including the Archives nationales (since 2017)
- International collaborations: IIIF, Wellcome Library, MMM...

ARCHIVES NATIONALES

BnF

CAMPUS CONDORCET
Paris–Aubervilliers

Centre d'études supérieures de la Renaissance

UMR 5648 ihamm

École nationale des chartes
PSL

centre Michel de Boüard
CRAHAM

IRHT
Institut de recherche et d'histoire des textes

MRSH
NORMANDIE - CAEN
Maison de la Recherche en Sciences Humaines
CNRS - UNIVERSITÉ DE CAEN

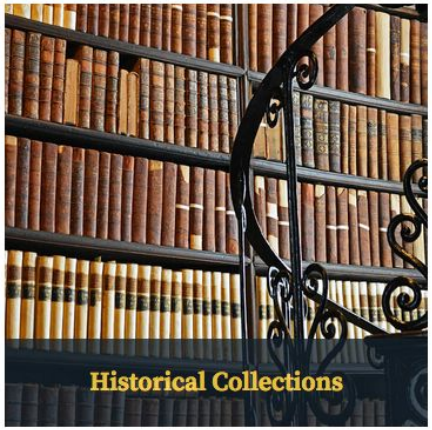
École Pratique des Hautes Études | PSL

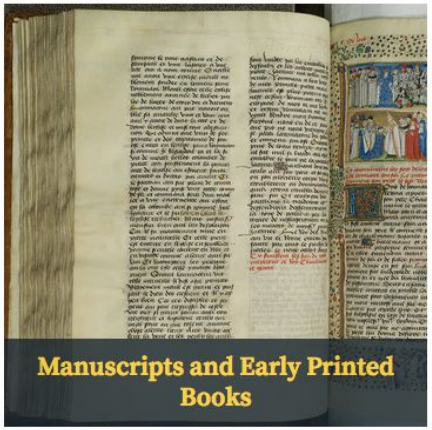
aprat

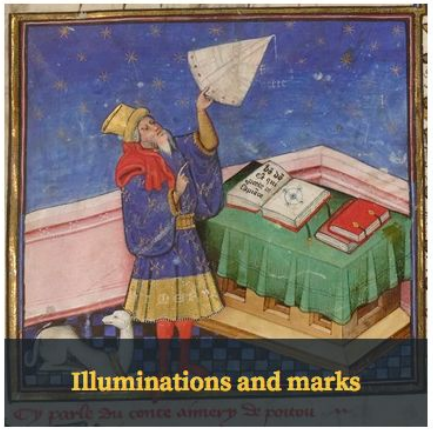
The main goals of Biblissima

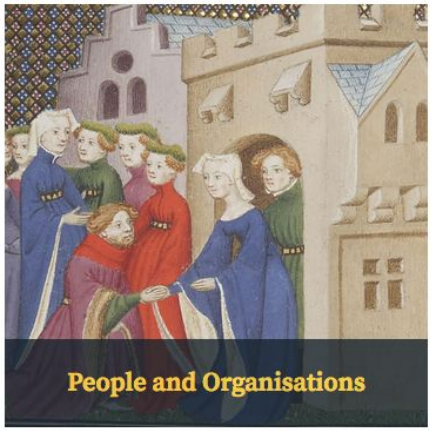
- Federate digital libraries
- Facilitate access to and reuse of data
- Structure data corpora and research communities
- Train researchers

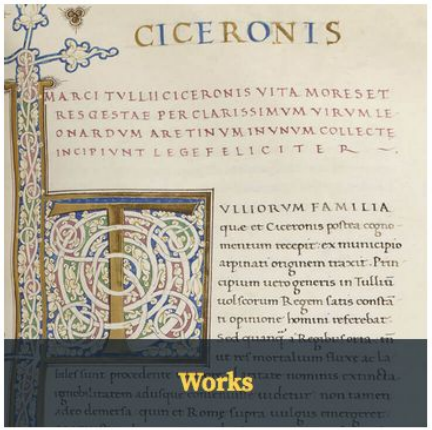
Explore

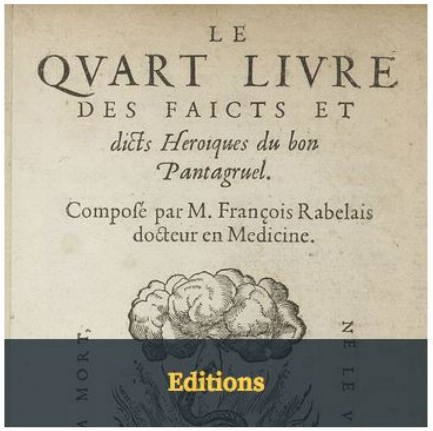


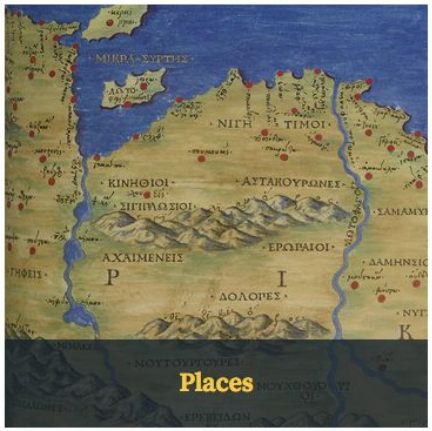








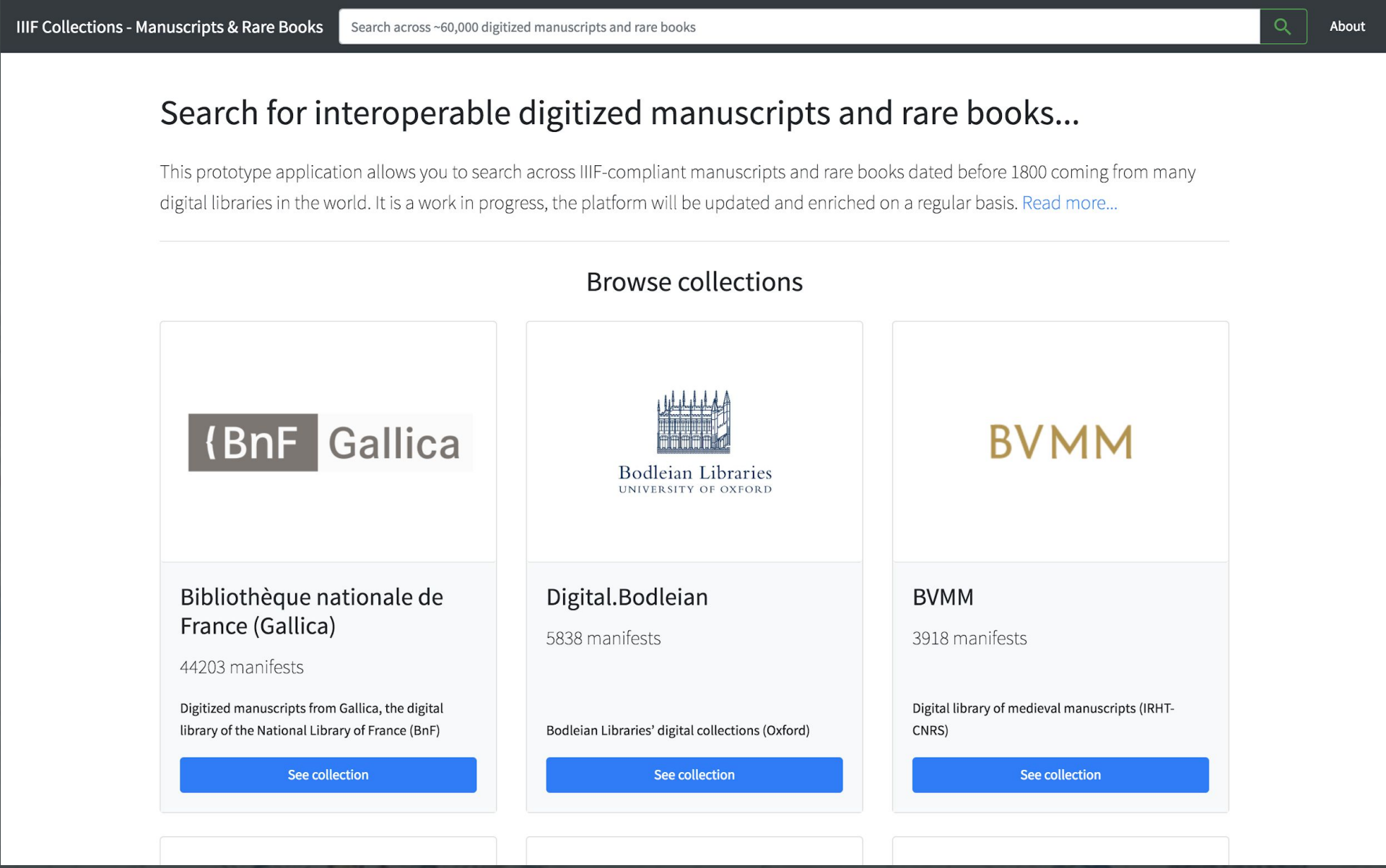




beta.biblissima.fr

Biblissima portal: main features

- ➔ Focus: history of collections / transmission of texts in the Middle Ages and the Renaissance
- ➔ aggregates specialized data on medieval manuscripts and early printed books
- ➔ search, browse, visualize
  + query and export...



IIIF-Collections platform: iiif.biblissima.fr/collections

IIIF Collections - Manuscripts & Rare Books

- search and discovery prototype for interoperable manuscripts and rare books (prior to 1800 only)
- aggregates data from 8 IIIF-compliant digital libraries :
  - Gallica, Digital.Bodleian, BVMM, e-codices, Europeana Regia, British Library (Polonsky project), Parker Library (CCC, Cambridge), Bibliothèque Mazarine
  - and more to come very soon:
    Manuscripts from Cambridge and Durham universities

The Campus Condorcet

- An international research campus in Humanities and Social Sciences being built in Aubervilliers and Paris
- Brings together 11 internationally renowned institutions
- Opens soon in 2019

www.campus-condorcet.fr

CAMPUS CONDORCET
Paris–Aubervilliers

The Campus Condorcet

- Long term key figures:
  - 100 research units
  - 12.000 students
  - 4 200 teachers-researchers
  - 900 administrative staff
  - 2 auditoriums and a wide range of seminar rooms
  - 1 research library, 1 million documents

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SAMAT

Huma-Num

- French *Very Large Research Infrastructure* ("Très Grande Infrastructure de Recherche", TGIR)
- Supported by the CNRS, Aix-Marseille University and the Campus Condorcet
- Provides services, assessment and tools for digital research data of HSS research communities

www.huma-num.fr

Huma-Num: services and tools

- Cloud storage
- Long-term preservation
- Web hosting
- Provision of software: text/image/sound/video processing tools, GIS, commercial licences…
- ISIDORE (search engine)
- NAKALA (data repository): www.nakala.fr/index.html.en
- NAKALONA (SaaS, package which connects Nakala and Omeka)

IIIF in France: main promoters/implementors

- French National Library (BnF)
  - IIIF Consortium member
  - Gallica digital library
- C2RMF (*IIPImage server*)
- University of Caen
- Private companies: Teklia, i2S (*LimbGallery*)
- Biblissima
- Huma-Num

Biblissima's commitment to IIIF

- actively involved in the IIIF initiative since 2013, IIIF TRC community member
- first French-speaking IIIF outreach event (Paris, March 15th, 2018)
- demos and implementation into the portal
- technical advisor for the 3 digital libraries in the initial scope of Biblissima, and beyond...

Biblissima-BnF-Stanford Viewers Interoperability Meetings (May 13-17th, 2013)

frama.link/iiif-paris-2013

Biblissima and IIIF Day: *Innovating to Rediscover the Written Cultural Heritage*
(Campus Condorcet - March 15th, 2018)
frama.link/biblissima-iiif-day

IIIF in France: software solutions

- ➔ via *LimbGallery* software (I2S):
  - ◆ INHA, Bibliothèque Mazarine, Saint-Omer, Méjanes…
- ➔ via *Gallica "White Label"* (BnF):
  - ◆ Numistral, Bibliothèque francophone numérique, La Grande Collecte...
- ➔ via the CMS *Omeka* / *Omeka-S* (*IiifServer* and *UV* plugins):
  - ◆ NUBIS (BIS Sorbonne), PSL-Explore, Observatoire de Paris, University of Paris 3, University of Grenoble…
- ➔ via Internet Archive:
  - ◆ Bibliothèque Sainte-Geneviève, BIU Santé
- ➔ projects hosted by Huma-Num (IIIF image servers):
  - ◆ Navigae, Testaments de Poilus…

IIIF360 - Services

- technical or methodological support for the implementation of IIIF APIs into digital libraries (existing or future)
- advice and assistance in the choice of IIIF-compatible tools (viewers, image servers, annotation tools, etc.)
- web hosting and publishing solutions for digital images (e.g. through *Nakala*/*Omeka* provided by Huma-Num)
- image processing tools, including software libraries to use the JPEG2000 format (*OpenJPEG* or *Kakadu*)

IIIF360 - Subscribers

- 21 applications received so far:
  - mostly higher education/research institutions (18), especially for DH projects
  - a few libraries and archives (3)
  - mostly requests for consulting and technical support on IIIF (with Biblissima at the forefront):
    - explain IIIF APIs, their technical requirements, compatible softwares...
    - technological watch on IIIF
    - assistance in writing specifications documents (for public orders)
    - data sharing
    - quality control, validation

IIIF360 - A few use cases

1. build a new digital library for the digitized collections of an institution
2. build a specialized database for research purposes:
   - leverage, enrich, remix existing IIIF contents (add new metadata, annote, aggregate Manifests or Canvases...)
3. set up a IIIF viewer to replace an older one and benefit from deep-zoom
4. create digital exhibitions to showcase both internal and external IIIF materials
5. perform automatic visual pattern recognition processes on large sets of digital images

First lessons learned

- ➔ lack of knowledge on IIIF
  - need for training
  - need for more “how-to” documentation in French
- ➔ lack of technical staff in heritage institutions and DH projects
  - need for “turn-key” and generic solutions (predilection for Omeka-based digital libraries, Omeka-S modules)
  - need for shared development efforts
  - need to lobby commercial software vendors to implement IIIF APIs

First lessons learned

- Recurrent questions:
  - how to identify IIIF-compatible resources in the wild?
  - how to reuse and leverage existing IIIF materials in my own application? how to handle both IIIF and non-IIIF materials?
  - does IIIF have an impact on the structure of my database?
  - does IIIF imply that everything should be open without restrictions?

IIIF360 - Next steps

- ➔ organise a IIIF workshop at the end of 2019
- ➔ continue to meet with project holders, ensure the follow-up of the support…
- ➔ sustain and broaden the service
  - especially within the framework of the Campus Condorcet (DH team / IT services for research units and projects)
  - particularly to be able to support software developments

More info on Biblissima and IIIF:

iiif.biblissima.fr

More details on IIIF360:

frama.link/iiif360

Thank you!

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