



Towards a new cooperation between libraries and educational institutions

Digital manuscripts and e-learning

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What are we digitizing for :

- Match catalogues records and images
- Complete/replace microfilms
- Library projects such as illumination databases (Mandragore)
- International or specific projects (Optima, Roman de la Rose, International Dunhuang Project, World Digital Library, Europeana)
- Preserving heritage from time destruction
- Reproduction before loan for exhibitions
- Giving back public heritage to its owner (every citizen), through digital libraries

Where are we today at BnF ?

- Most catalogues have been or will be online within a year (end of conversions)
- End of partial digitization for illumination : only shooting of complete manuscripts
- 3 or 4 workshops for manuscripts digitization (operated by BnF permanent staff or installed and operated by contactors)
- About 85 000 images a year, and more to come. New contract arriving to replace microfilm, prices are going down very fast
- 4163 manuscripts online, much more to come in June

Our jobs/skills in libraries :

- Manuscript description, including new formats (TEI or EAD)
- Knowledge/experience on collections
- Digitization workflow (selection, photography, post production, metadata)
- Developing digital libraries with some web 2.0 facilities

What libraries need from educational partners :

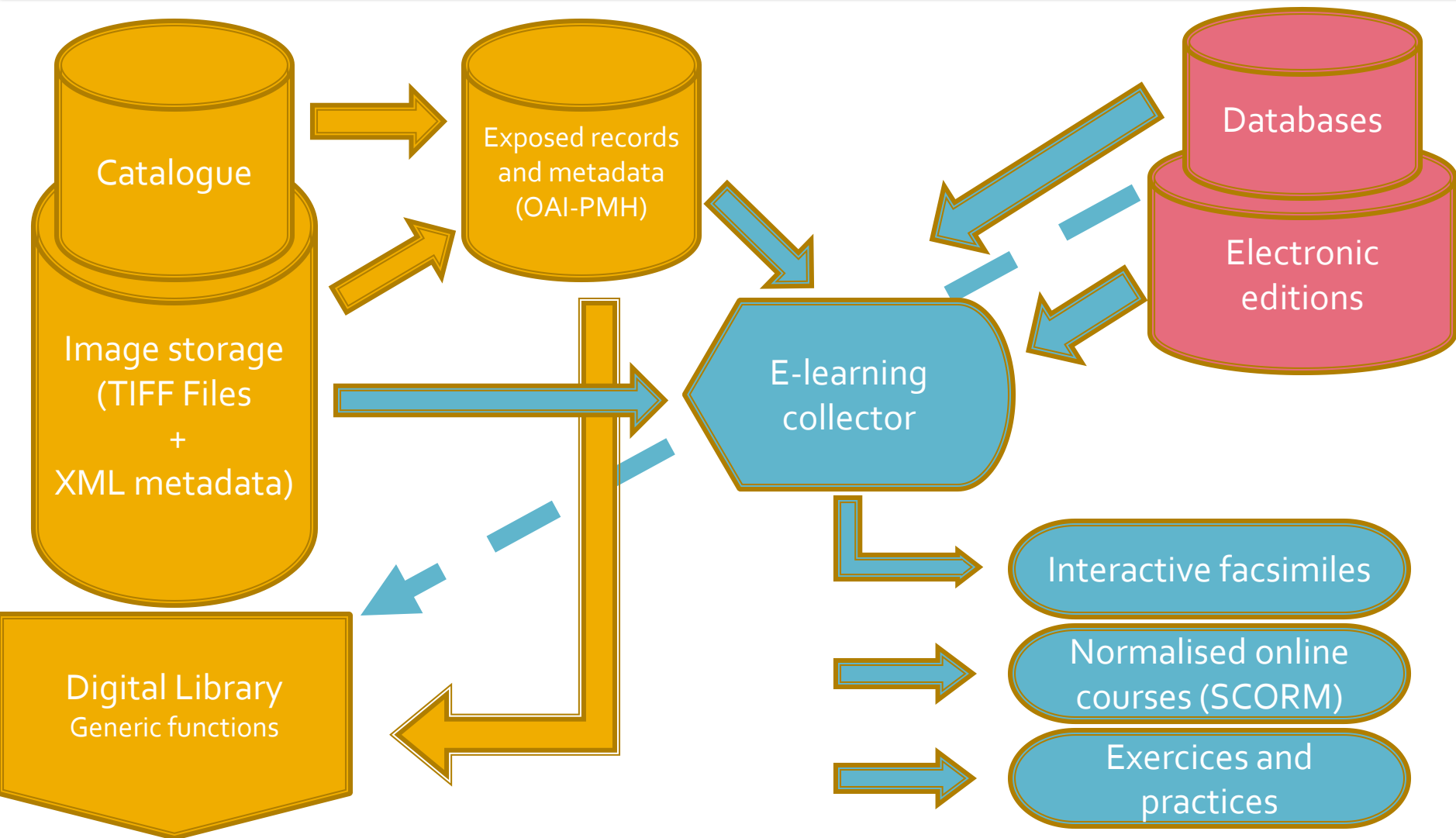
- To know what are or would be the needs for teaching students with digital manuscripts
- To help us selecting manuscripts corpuses to digitize
- Technical support to develop cross platform applications for connecting e-learning to digital libraries

What libraries could do as partners :

- Digitizing (on normal budget or specific, depending of the size of the project)
- Everlasting preservation system to store images + metadata for images
- Developing web services to give access to digital manuscripts without copying images onto partner's server
- Giving advise on metadata and XML formats

Partnership schema

Existing (libraries) Existing (education/research) To be created



What would an e-learning collector do ?

- Harvesting OAI catalogue and image metadata repositories
- Harvesting TEI electronic editions (metadata + content), to be set up by research unit
- Getting special access to images through web services (to be set up by libraries)
- Proposing its own functions or be connected to a e-learning production system
- Exporting in SCORM format
- Permitting content produced (such as transcription and editions) to be connected to digital libraries and other Web 2.0 applications

Possible functionalities

- Zoning on images
- Slicing for transcription
- Comparing images
- Commenting on images
- Cropping images
- ...

We're not so far away...

Already existing :

- [Database on medieval theatre and performances \(GETM\)](#)
- [GETM online edition of the Mystères des actes des Apôtres](#)
- [Gallica digital library](#)
- [BnF manuscripts' catalogues \(also in BnF OAI-CAT repository\)](#)
- [BnF SPAR system for storage and preservation of digital images \(+metadata OAI repository OAI-NUM\)](#)
- Many e-learning platforms supporting SCORM and distributed under open source licenses ([Moodle](#), [Claroline](#), [Dokeos](#)). They could be a good basis.
- Some e-learning preparation software can help preparing content : Articulate, Adobe Creative Suite...



For any further questions :

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