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
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

- Catalogue
- Exposed records and metadata (OAI-PMH)
- Databases
- Electronic editions
- E-learning collector
- Interactive facsimiles
- Normalised online courses (SCORM)
- Exercises and practices

- Image storage (TIFF Files + XML metadata)
- Digital Library
  - Generic functions

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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 an 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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