

Scriptorium, a retro-cataloguing tool to easily and quickly encode older book items

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Download: <http://hdl.handle.net/2268/171960>

Abstract

The University of Liège Library's books collection is composed of some 2,000,000 print volumes, of which only 60% are catalogued. Most of the uncatalogued books have been published before 1970 and cataloguing these according usual standards and norms would certainly take decades. To decrease the cost of treatments and increase the number of catalogued volumes, the Library developed a light PHP/MySQL application, Scriptorium, that enables non-catalogers (mostly students) to quickly encode the books (ca 3 min. per item) by providing the most essential information. References are then daily exported in MarcXML to the ILS. Scriptorium has been developed to permit to easily create new independent instances for different parallel retro-cataloguing projects and also to be used by other libraries.

University of Liege Library

- University founded in 1817
- 5 main libraries:
 - Arts & Humanities Library
 - Agronomy Library
 - Law & Social Sciences Library
 - Life Sciences Library
 - Science & Technology Library
- ➔ 18 library facilities (branches)
- + 1 Remote Storage

4 campuses:

- ▶ Liège Sart-Tilman (main campus)
- ▶ Liège City centre
- ▶ Gembloux
- ▶ Arlon



Library Print Collections

- More than 2,000,000 books
 - 1,200,000 catalogued books
 - 800,000 uncatalogued books

Also:

- 50,000 maps
- 30,000 dissertations
- 6,500 manuscripts
- 565 incunables
- ...



■ catalogued ■ uncatalogued

- Automation started in the 1960s
- But only in the 1990s for some HS branches (big collections)
- Many books located in the Remote Storage
 - +/- 300,000 catalogued books
 - +/- 500,000 uncatalogued books

RFID as a catalyst

- In Spring 2014, RFID project for a library branch
 - History Library: more than 80,000 books
 - Around 10,000 not yet catalogued (12,5%)
 - Documents related to the national or local history
 - Produced between 1800 and ca 1970
 - Items to keep (not for pulp!), even if not on loan for years!
 - Types
 - Published books
 - Reports
 - Master dissertations
 - Offprints
- For the RFID project, all items had to be catalogued (organisational reasons)

Aleph Quick Catalog function

- Not very happy with Aleph Quick Catalog function
 - Two tabs (doc info + item info) -> no global view
 - Same configuration for all -> not very flexible, not context sentive
 - Few possibilities for default values (only for item info)
 - Limited number of ccu (40 in our case)
 - Drop down lists may have irrelevant content
 - No duplicate function
 - ...

| Field | Value | Code | Action |
|------------------------|-------|------|----------|
| Author | 100 | a | Dropdown |
| Title (mandatory) | 245 | a | Dropdown |
| Place | 260 | a | Dropdown |
| Date | 260 | c | Dropdown |
| Sys Control No (Group) | 035 | a | Dropdown |
| ISBN (Group) | 020 | a | Dropdown |
| ISSN (Group) | 022 | a | Dropdown |
| Adm note | NOTE | a | Dropdown |

Homemade Quick Catalog Web Application

- Requested specifications
 - Flexible and context sensitive
 - For an unlimited number of users
 - Easy to use, especially made for non-cataloguers
 - Students
 - Low qualified library agents
 - Non-librarian staff (accountants, secretaries...)
 - Trainee librarians
 - Heads of sections, heads of services...
 - Not only for BIB records and items, but also able to provide info in HOL records
 - To be used for any retro-cataloguing project to come (eg. Remote Storage): each retro-cataloguing project has its own **instance**
 - Also available for non ULg libraries: easy to deploy in other contexts
- Developed with PHP/MySQL

Leitmotiv for the Application

- For those older and un-catalogued collections:
 - **VISIBILITY**
 - Better in the ILS than not in the ILS
 - **QUANTITY** over Quality
 - Better in the ILS, even with poor metadata, than not in the ILS
 - As many items catalogued as possible
 - **SPEED**
 - ASAP added into the ILS



Scriptorium



Where anyone (employed students, library staff, low qualified agents...) could encode older uncatalogued books....

4 Roles defined

ENCODER can

- create new items
- delete/modify items he/she has created
- define default values for encoding

MANAGER can

- Same as ENCODER
- + delete/modify any items created by any encoder
- + export records

ADMIN can

- Same as MANAGER
- + manage the accounts
- + manage the encoding form (metadata structure, mandatory or not, mapping with Marc fields)

SUPERADMIN can

- Same as ADMIN
- + manage ADMIN accounts
- + create instances
- + manage backup
- + manage export rules

New Item

Title

Author 1

Author 2

Language

Year

Genre/Form:

Maps Catalog Proceedings Festschrift Master Dissertation PhD Dissertation

ISBN

Physical Cond:

Damaged Very Damaged Binding to repair

Internal Note

Sublibrary

Collection

Barcode

Call Number

Material Type

SUBMIT

SUBMIT & DUPLICATE

Clear

How the Admin Can Edit/Create a Field

Form titled "Edit/Create a Field" with the following fields:

















- form_field_id: 0
- label: Language
- type_id: Select
- required:
- read_only:
- default_value: [empty]
- authority_code: 1 | Language
- tag: 041
- indicateur_1: [empty]
- indicateur_2: [empty]
- souschamp: a
- option:

Buttons: Submit, Cancel

Other types:
Textbox, Textarea, Checkbox, Radio, Hidden

Option: Allows the encoder to define default content within a session

authority_code

| Drag | Id | Label | ID | Value | Displayed Value | Actions |
|------|----|----------|----|-------|-----------------|---|
| ✘ | 29 | Language | 1 | fre | Français |   |
| ✘ | 30 | Language | 1 | eng | English |   |
| ✘ | 31 | Language | 1 | ger | Deutsch |   |
| ✘ | 32 | Language | 1 | dut | Nederlands |   |
| ✘ | 33 | Language | 1 | spa | Español |   |
| ✘ | 34 | Language | 1 | ita | Italiano |   |
| ✘ | 35 | Language | 1 | lat | Latin |   |
| ✘ | 36 | Language | 1 | und | Undefined |   |

options

Options

Language

Collection

Material Type

Please Select One

Please Select One

Français

English

Deutsch

Nederlands

Español

Italiano

Latin

Undefined

Exports

- Automatic daily export from Scriptorium to Aleph
- Manual export is also possible (csv or MarcXML)

CSV Export

Name: Limit:

Name: from: to:

XML Export

from: to:

Year in 008/7-10 and 245 2nd ind. are added with Aleph programs (tab_fix)

```
<record>
<leader>^^^^nam^a22^^^^za^4500</leader>
<controlfield tag="001">00011</controlfield>
<controlfield tag="008">^^^^^s^^^^^^^^^^^^^| | | | ^^^^^^| | | | |eng^d</controlfield>
<datafield tag="245" ind1="0" ind2=" ">
  <subfield code="a">The Art and Practice of Diplomacy</subfield>
</datafield>
<datafield tag="720" ind1="1" ind2=" ">
  <subfield code="a">Webster, Charles</subfield>
</datafield>
<datafield tag="041" ind1=" " ind2=" ">
  <subfield code="a">eng</subfield>
</datafield>
<datafield tag="260" ind1=" " ind2=" ">
  <subfield code="c">1961</subfield>
</datafield>
<datafield tag="910" ind1=" " ind2=" ">
  <subfield code="a">gamassange</subfield>
</datafield>
<datafield tag="910" ind1=" " ind2=" ">
  <subfield code="b">20131107_1005</subfield>
</datafield>
<datafield tag="952" ind1=" " ind2=" ">
  <subfield code="1">BGP06</subfield>
  <subfield code="2">PH002</subfield>
  <subfield code="5">13BGP21395</subfield>
  <subfield code="j">HC/A.0020 (-)</subfield>
  <subfield code="m">BOOK</subfield>
</datafield>
</record>
```

910 = admin values (encoder account + creation date)
Hidden in the New Item form

In the export rules, any content that should be in a 952 is concatenated into one single 952.

Aleph Scripts

- BIB records, holdings and items created with Aleph services
- No deduplication verification with existing Aleph records
- job_list:
 - **p_file_02**
USM01,script_%DATE.xml,script_%DATE_alseq,06,
 - **p_manage_18**
USM01,script_%DATE_alseq,script_%DATE_alseq.reject,script_%DATE_alseq.doc_log,NEW,SCR,,FULL,APP,M,,,SCRIPTORIUM,
 - **p_ret_03**
USM01,script_%DATE_man50,WCD=SCRIPTORIUM AND WCD=%DATE,
 - **p_manage_50**
USM01,script_%DATE_man50,000000000,999999999,USM51,USM61,,952##,tab_hold_item_create_scriptorium,,A,A,N,SCRIPTORIUM,30,SCRIPTORIUM,30,Y,N,
 - **p_manage_37**
USM01,DOC_LIST,,001914034,999999999,script_%DATE_man37,SCRI2,Y,,

p_file_02

```
USM01,script_%DATE.xml,script_%DATE_alseq,06,
```

Where:

- USM01 = Bibliographic Base
- script_%DATE.xml = input file
(%DATE creates date relative to the current date)
- script_%DATE_alseq = Output File
- 06 = MarcXML Format

p_manage_18

```
USM01,script_%DATE_alseq,script_%DATE_alseq.reject,script_%DATE_alseq.doc_log,NEW,SCR,,FULL,APP,M,,,SCRIPTORIU,
```

Where:

- USM01 = Bibliographic Base
- script_%DATE_alseq = Input File (from file_02)
- script_%DATE_alseq.reject = Output File for Rejected Records
- script_%DATE_alseq.doc_log = Output File for Logging System Numbers
- NEW = Add new records
- SCR = Fix Routine
- FULL = Full Indexing
- M = Multi-user
- SCRIPTORIUM = Cataloger Name

tab fix

```
SCR fix_doc_do_file_08 fix_scriptorium
SCR fix_doc_create_fmt
SCR fix_doc_001
SCR fix_doc_005
SCR fix_doc_tag_008_open_date
SCR fix_doc_tag_008
SCR fix_doc_punctuation_usm
SCR fix_doc_non_filing_ind
SCR fix_doc_delete_empty
SCR fix_doc_sort
```

p_ret_03

```
USM01,script_%DATE_man50,WCD=SCRIPTORIUM AND  
WCD=%DATE,
```

Where:

- USM01 = Bibliographic Base
- script_%DATE_man50 = Output File to be used with man-50
- WCD=SCRIPTORIUM AND WCD=%DATE = CCL search phrase

p_manage_37

```
USM01,DOC_LIST,,001914034,999999999,script_%DATE_man37,SCRI2,Y,,
```

Where:

- USM01 = Bibliographic Base
- DOC_LIST = Input File Type
- 001914034 = From Document Number <001914034> (must be updated regularly to avoid too large ranges!!)
- 999999999 = To Document Number
- script_%DATE_man37 = Output File
- SCRI2 = Fix Routine

```
tab fix  
SCRI2 fix_doc_do_file_08      fix_scriptorium_delete
```

(deletes fields become useless)

```

LDR      ^^^^^nam^a22^^^^^za^4500
001      001872383
003      BeLU
005      20131107210327.0
008      131107s1961^^^^^xx^||||^^^^^^^||||||eng^d
035      a (BeLU)SCRIPTORIUM_BGP06_00011
040      a BeLU
          b fre
          c BeLU
          d BeLU

041      a eng
245 04   a The Art and Practice of Diplomacy.
260      c 1961.
590      a Notice minimale (projet Scriptorium).
599      a NOTICE A RECATALOGUER|
720 1    a Webster, Charles
          4 aut

OWN      a PUBLIC
910      a gamassange
910      b 20131107_1005

```

```

LDR      ^^^^^nu^^a22^^^^^zn^4500
001      001930016
005      20131107212013.0
008      1311070u^^^^^8^^^^4001uueng0000000
040      a BeLU
LKR      a HOL
          l ULG01
          b 001872383
852 4    a BeLU
          b BGP06
          c PH002
          j HC/A.0020 (-)

```

1. Item Display | 2. General Information (1) | 3. General Information (2) | 4. Serial Information | 5. Serial Levels

Barcode: 13BGP21395 Item Status: 10

Sublibrary: BGP06 Item Process Status:

Collection: PH002 Enum. Level.1 (A)(Vol.):

Copy Number: Enum. Level.2 (B):

Material Type: BOOK

Hol. Link: 1930016

85X Type/Linking Number: 0 Temporary Location

Call No. Type/Call No.: 4 \$\$jHC/A.0020 (-)

2nd Call No. Type/Call No.:

Description:

+ Circulation Note added with
tab_hol_item_create
→ BIB can be recatalogued after loan



book

☆ **The Art and Practice of Diplomacy.**

Webster, Charles
1961
● Available

Locations Details

Actions

| Call Number | Description | Status | Type | Request Options |
|---------------|---|----------|---------------------------------------|-----------------|
| HC/A.0020 (-) | ALPHA-Sciences historiques HC/A.0020 (-) On Shelf | On Shelf | Regular Loan | Hold : |
| | | | Aile B (HC/A.0020 (-)) ● Available | |
| | | | On Shelf | |
| | | | Barcode: 13BGP21395 | |
| | | | Item Type: Livre | |
| | | | Item Status: Regular Loan | |



book

☆ **The Art and Practice of Diplomacy.**

Webster, Charles
1961
● Available

Locations Details

Actions

Title: The Art and Practice of Diplomacy.
Author: Webster, Charles
Creation Date: 1961
Language: English
Type: book
Source: ALEPH ULG



> Unicat
> Search GoogleBooks

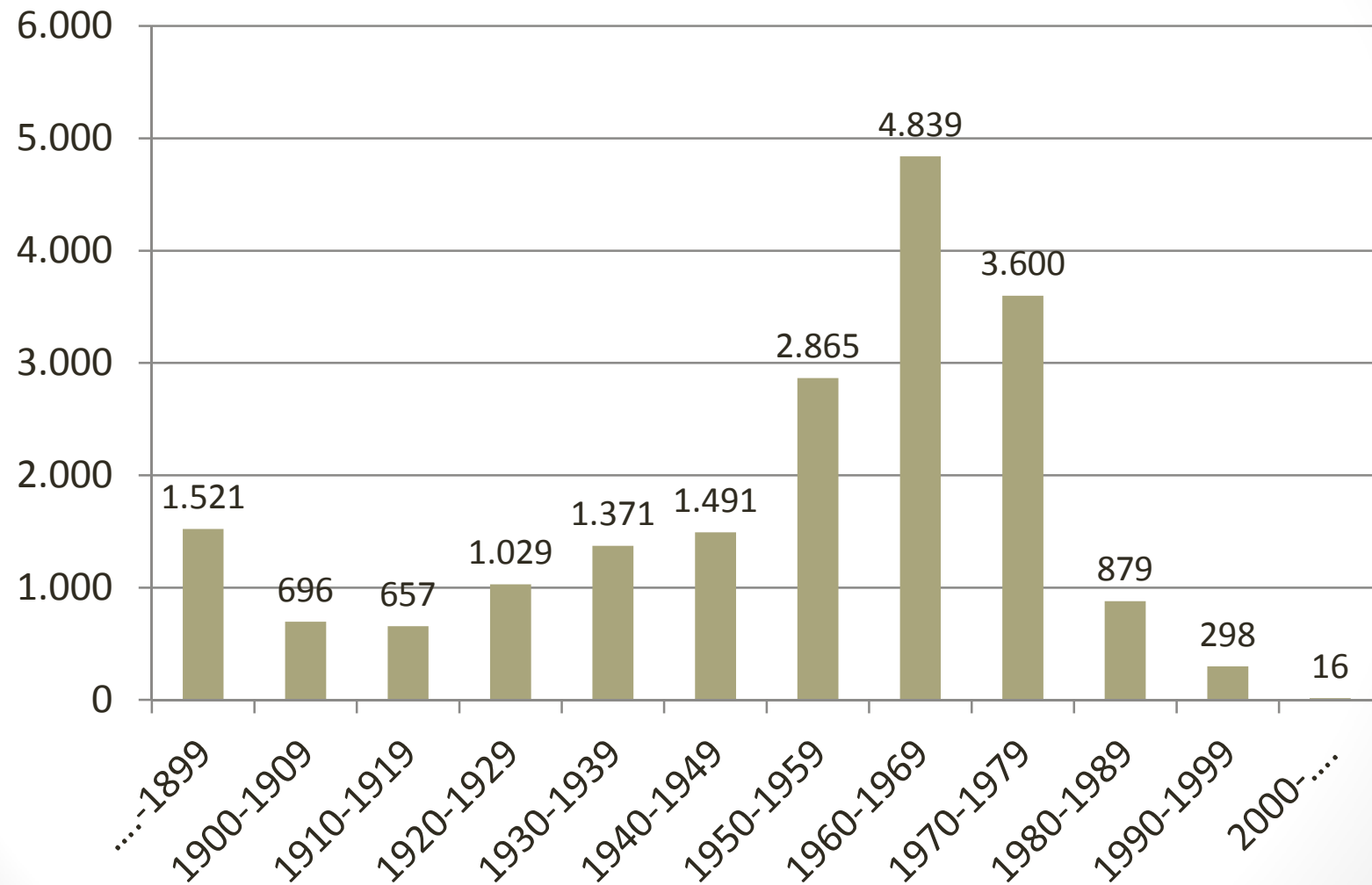


University of Liege Library

Results

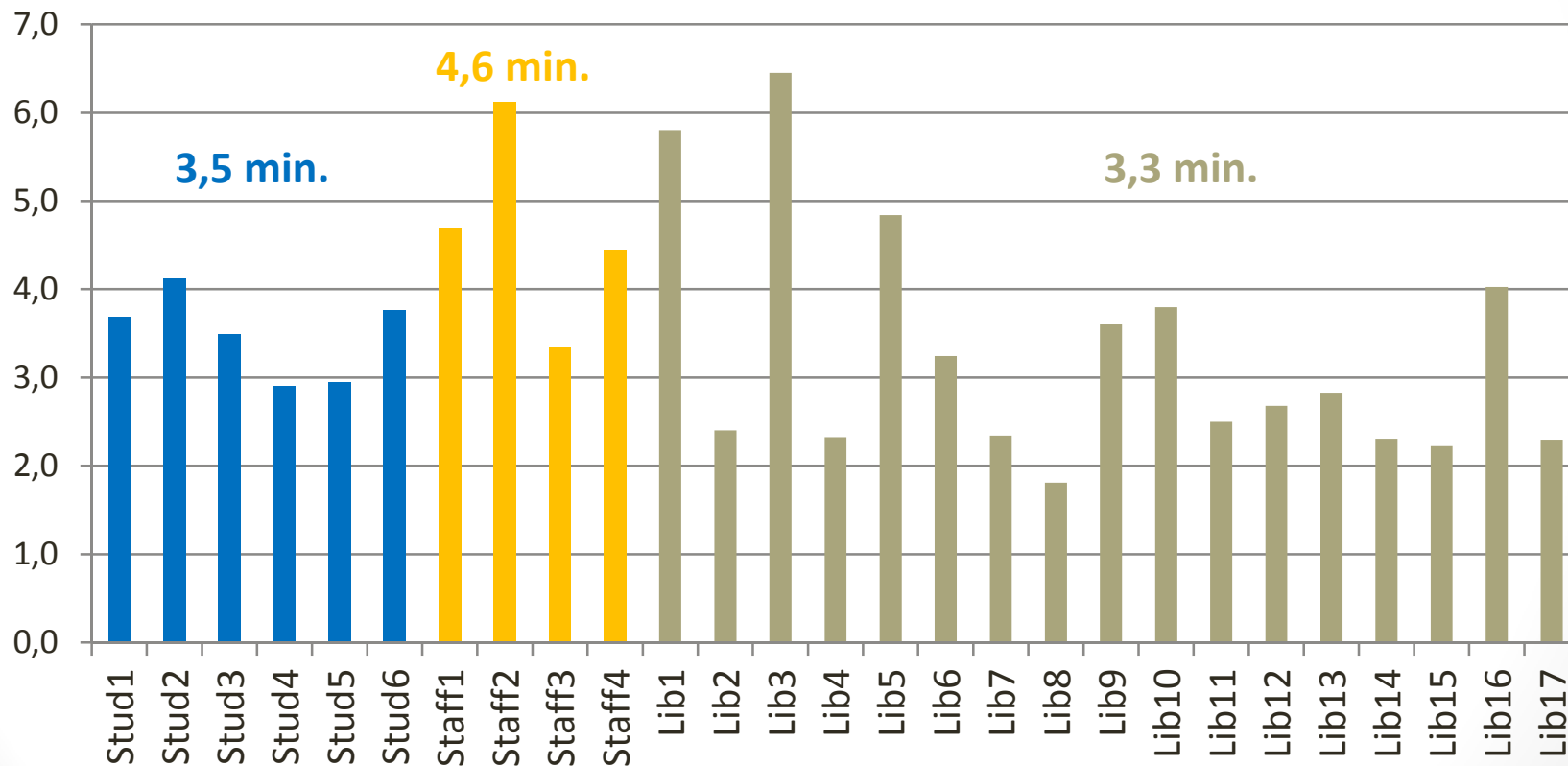
- Deployed in 3 library branches
 - -> 3 instances
 - 1st Instance for the History Section
 - 10,000 books to encode
 - Started in Mid-November 2013, finished less than 5 months later
 - Ready for the RFID Project
- For the 3 instances, **more than 20,600 books** added in the ILS in 9 months time:
 - No encoding everyday!
 - Most of them published between 1950 and 1979
 - Some were also published in the 2000s!!
 - 1,882 have got an ISBN
 - Most recent books are properly recatalogued!
 - Better to check every morning if night import ran successfully

Publication Years of All Scriptorium Items



How many minutes per record?

Number of Minutes per Record, including Manipulations
(for one of the Instances)



Stud = Students ; **Staff** = (Low Qualified) Library Staff ; **Lib** = Librarians/Cataloguers



Conclusions

- Probably not achieved with Aleph Quick Catalog
- Project well accepted by the librarians
 - Even by catalog specialists
 - Opportunity to have less uncatalogued items
 - Some other library branches would like an instance
- Positive side effects
 - Team spirit: Collaborations between librarians have become more intense (some from other libraries came to help)
 - Low qualified colleagues happy to help -> work acknowledged
- Additional jobs to enrich the metadata of the most recent books?
- Open to create instances for any external partner/library



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