Union catalogue models

Presentation for Hellenic academic libraries

Martin van Muyen
Union catalogue:
a catalogue that lists the holdings of more than one library
Union catalogue – base functions

- **Discovery** (search and retrieve)
- **Delivery** (ILL, printed copies, circulation)
  - One address
  - One user interface
  - All relevant data in one search
  - All libraries in one title
- **Shared cataloguing** (a way to create union catalogues)
Union catalogue models

- **Geographical:**
  - National
  - Regional
  - Local

- **Library type:**
  - Academic libraries
  - Public libraries

- **Thematic:**
  - Technical
  - Medical
  - Agricultural

- **Medium:**
  - Serials
  - Manuscripts
  - Music

- **One for all:**
  - WorldCat
Union catalogue models

- **Virtual**
  - Meta search engines

- **Physical**
  - Created and maintained by online shared cataloguing
  - Created and maintained via batch load from local systems

- **Combinations**
  - Partly virtual; partly physical
  - Online cataloguing and batch load
Virtual union catalogue

- Grouping catalogues on any criterion:
  - Regions – cities
  - Thematic
  - Combining regional union catalogues (Germany)
  - Combining union catalogues of academic and public libraries

- Advantages – characteristics:
  - Light weight organization
  - Easy to implement
  - Ad-hoc basis: easy to extend – easy to disconnect

- Disadvantages:
  - Slow
  - Duplicates
  - Varying quality
  - Common denominator searches
  - Limited sorting
  - Configuration maintenance
Physical union catalogue: the shared cataloguing model

- **Strengths:**
  - Efficiency through cooperation
  - Common cataloguing standards:
    - one format
    - one set of cataloguing rules
    - same quality
  - Shared authority files
  - All libraries use the same standards and apply the same rules

- **Weaknesses:**
  - All libraries use the same standards and apply the same rules
  - In case of different local systems: heterogeneous record export
Physical union catalogue: the batch load model

- One database for copy cataloguing and documents delivery

**Advantages:**
- Fast access
- More control over indexes, search and retrieve
- Flexibility for local needs: done locally

**Disadvantages:**
- Local system admin need discipline to provide updates
- Maintenance of batch load processes
The union catalogue discussion

Do we need shared cataloguing?

- Yes, it makes cataloguing efficient,
- It improves the quality of our union and local catalogues

- No, we need simple records in our local system,
- We can find records everywhere: publishers, free databases
The union catalogue discussion

- Do we need a union catalogue?
  - Yes, it identifies our national library cooperation and we must preserve quality for future use
  - Yes, we need a union catalogue for discovery and delivery
  - A virtual union catalogue is good enough
  - We do not use a union catalogue, we have Google!

But: that only works in a controlled way!

The Open WorldCat model
The Open WorldCat model

- Upload of records into WorldCat
  - Direct access to WorldCat.org
  - Access in Google etc.: Find in a library
  - Links from Google etc. to WorldCat.org
  - And from WorldCat.org to library [next release: to ILL system]
Find in a Library: Don Quichotte a Dulcinee: [3 poèmes de Paul ... Don Quichotte a Dulcinee : [3 poèmes de Paul Morand]. By: Maurice Ravel; Paul Morand. Type: French : Musical Score ...
www.worldallibraries.org/wcpa/top3mast/15062067 - Gelijke waardige pagina's.

Find in a Library: Don Quichotte [opera in five acts]; | French ... Don Quichotte [opera in five acts]; By: Jules Massenet; Henri Cain; Nicolai Chiaurov; Régine Crespin; ... Library Of Congress Number, 79-750475 75750476 ...
www.worldallibraries.org/wcpa/top3mast/2a7a48a4b8ba88f1.html - Gelijke waardige pagina's.
[ Meer resultaten van www.worldallibraries.org ]

Lamson Library
Lamson Library, catalog of books and more (under development) ... Don Quichotte
Phonodisc ... Lamson Library is proudly powered by WPopac ...
www.plymouth.edu/library/opac/related/1002548 - 40k - In cache - Gelijke waardige pagina's.

Etoile Variations, Vol. I Track and Tempo Listings | Don ... Restarctformaat: PDF/Adobe Acrobat - HTML-versie
Don Quichotte (Don Quixote) and La Coraide (The Pirate) ... library, as well as online at http://www.grovenmusic.com. Riccardo Drigo ...

Miguel Covarrubias (-) Artwork Images, Exhibitions, Reviews
Tony Johamet, L'ingiusto fidalgos Don Quichotte de la Manche by Miguel de Cervantes Saavedra, ... Find in a Library: Miguel Covarrubias caricatures ...

Amazon.com: Don Quichotte (Bibliotheque de la Pleiade): Books ...
Amazon.com: Don Quichotte (Bibliotheque de la Pleiade): Books: Cervantes by ... and Literature (Garland Reference Library of the Humanities) by Jonathan ...

Amazon.com: Imagining Culture: Essays in Early Modern History and ...
Don Quichotte à Dulcinée : [3 poèmes de Paul Morand]
door Maurice Ravel: Paul Morand

Taal: Frans
Sear: Muziekdrukwerk: Liederen
Uitgever: [Paris]: Durand; [Ery Mawr: Theodore Presser], ©1934.
OCLC: 15052067

Onderwerpen: Songs (Medium Voice) with orchestra -- Vocal scores with piano. | Songs (Medium Voice) with piano. | Morand, Paul.

Goedkoop over dit item

Diensten van Test Account voor dit item: Click here to check availability from other services | EBDYS Extended Services | Connect to the catalog at University College Cork | Item opvragen | Besteld item van CISTI | OCLC FirstSearch

Bibliotheken

1. Univ of London, Birkbeck College
   Location: London, WC1E 7HX United Kingdom
   356 km
   Services: Ga naar de pagina bibliotheekgegevens

2. Edinburgh City Library, Room
   Location: Edinburgh, EH1 1FG United Kingdom
   461 km
   Services: Ga naar de pagina bibliotheekgegevens

3. Edinburgh City Library
   Location: Edinburgh, EH1 1FG United Kingdom
   650 km
   Services: Ga naar de pagina bibliotheekgegevens
Don Quichotte à Dulcinée : 3 poèmes de Paul Morand : 1. Chanson...

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<td>For baritone and piano; originally for baritone and small orchestra.</td>
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WorldCat upload options

- Online cataloguing in WorldCat
- Batch uploading from local databases
  - Challenge: regular updates
- Batch uploading from union catalogue
  - Challenge: synchronization online or by regular updates

WorldCat discovery option

- Group catalogue functionality for union catalogue
CBS – Union Catalogue system

- Union catalogue database in any – generic format
  - Marc21
  - Unimarc
  - Pica – Marc formats
  - Unicode – UTF8 character set

- Index engine
  - Metadata
  - Linked records
  - Full text

- Search engine:
  - Web access
  - Z39.50
  - SRU – XML
  - Access with Windows client
  - Parallel searching in internal and external databases
  - FRBR compliant
CBS – Union Catalogue system

- **Shared cataloguing**
  - Windows client: WinIBW
  - Web services: copy cataloguing, record capture
  - Z39.50 – SRW Record update

- **Batch import**
  - Record conversion
  - Duplicate detection
  - Record merge and record load
  - Record linking
  - Automated harvest functions for regular updates (FTP / OAI)
CBS – Union Catalogue system

- **Batch export**
  - Record selection
  - Record conversion
  - Sorting and lay-out (XML)
  - Automatic export (OAI, OUF, FTP)

- **Management information**
  - Database statistics
  - Transaction statistics
  - Log file
  - Management information database batch loading
  - Third party tool: Business Objects
CBS – Union Catalogue system

- ILL – VDX
  - Request creation
  - Sorted rota – candidate list
  - Availability validation
  - Local systems transfer
  - ILL admin tools

CBS – technical requirements

- SUN – hardware
- Solaris – OS
- Sybase – RDBMS
- Linux under preparation
- Oracle under preparation
CBS – components

- **TOLK**
  - Z39.50 target: Search, Retrieve, Record update
- **SRU - SRW**
  - Search, Retrieve, Record Update on XML basis
- **MIS**
  - Management information system
- **VDX**
  - Interlibrary Loan
- **Import**
  - Batch record import
- **Export**
  - Batch record export
- **PSI**
  - (Pica) Search and index engine
- **CAT**
  - Shared cataloguing
- **WinIBW**
  - Windows cataloguing client
- **OUF/OAI/GTD**
  - Record transfer tools
CBS – union catalogue models

- **Shared cataloguing model**: Netherlands, Germany, France
  - WinIBW cataloguing client
  - Regular online and batch export
  - Incidental batch load (for new libraries)
  - Z39.50 / SRW record update target (German national library)
  - CBS-ILL (Netherlands, France and GBV, Hebis in Germany)
  - Sisis-ILL (BSZ, Germany)
  - VDX-ILL (Netherlands, public libraries)

- **Full batch load model**: UK (Link-UK)
  - Regular batch load
  - VDX-ILL (2007)
CBS – union catalogue models

- **Combination of batch load and virtual union catalogue:** TCR (Unity-UK)
  - Regular batch import
  - Z-Portal meta search engine
  - VDX-ILL

- **Combination of shared cataloguing and batch load:** NLA, Australia
  - WinIBW cataloguing client
  - Web-based copy cataloguing
  - Z39.50 / SRW Record update target for local cataloguing clients
  - Regular batch import,
  - Regular batch export
  - VDX-ILL
CBS and the Open WorldCat model
Online synchronization CBS and WorldCat

- **ZING pusher** (SRW Record Update client in CBS)
  - Online background process on CBS log file
  - Polling mechanism: 1x second

- **Log file selection:**
  - in-use
  - out-of-use
  - In the Netherlands: c. 4000 updates per day
Online synchronization CBS and WorldCat

- Configuration of filters:
  - OCLC Institution symbol
  - Filters on material and document type and encoding level

- Pushes records in MARCXML
  - Per bib. record one OCLC Institution symbol

Online synchronization is preceded by initial load
Conclusions

The Open WorldCat model allows:

- Wide scale of Union catalogue models
- Combinations of models
- Meta-search functions can enhance the union catalogue
- Models can be adapted when needed
- Customer decides!
Thank you!
Presentation with field labels; Dutch interface
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<td>Author</td>
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<td>Author</td>
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<td>Title</td>
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**Material characteristics**

- Illustrations: Illustrations
- Target audience: General

**Holdings**

- Held at: NHUR CHI 636.8 CHE