

# Union catalogue models

Presentation for Hellenic academic libraries

Martin van Muyen

At the heart of your information



OCLC PICA

## 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

**Thematic:**

- Technical
- Medical
- Agricultural

➤ **Library type:**

- Academic libraries
- Public libraries

**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

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## ➤ 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

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- 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]



Het Internet Afbeeldingen Discussiegroepen Nieuws [meer »](#)

find in a library: Don Quichotte

Zoeken

[Geavanceerd zoeken](#)  
[Voorkeuren](#)

Zoek:  het Internet  pagina's in het Nederlands  pagina's uit Nederland

## Het Internet

Resultaten 1 - 10 van circa 10.800 voor **find in a library: Don Quichotte** (0,08 seconden)

[Find in a Library: Don Quichotte](#) a Dulcinee : [3 poemes de Paul ...

**Don Quichotte** à Dulcinée : [3 poèmes de Paul Morand]. By: , Maurice Ravel; Paul Morand.

Type: , French : Musical Score ...

[www.worldcatlibraries.org/wcpa/top3mset/15062067](http://www.worldcatlibraries.org/wcpa/top3mset/15062067) - [Gelijkwaardige 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 Ghiaurov; Régine Crespin; ... **Library** Of Congress Number: , 79-750476 79750476 ...

[www.worldcatlibraries.org/wcpa/top3mset/2a7a48a4e8ec89ff.html](http://www.worldcatlibraries.org/wcpa/top3mset/2a7a48a4e8ec89ff.html) - [Gelijkwaardige pagina's](#)

[ [Meer resultaten van www.worldcatlibraries.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](http://www.plymouth.edu/library/opac/related/1002548) - 40k - [In cache](#) - [Gelijkwaardige pagina's](#)

[Etoile Variations, Vol. I Track and Tempi Listings I. Don ...](#)

Bestandsformaat: PDF/Adobe Acrobat - [HTML-versie](#)

**Don Quichotte** (**Don** Quixote) and Le Corsaire (The Pirate) ... **library**, as well as online at <http://www.grovemusic.com> . Riccardo Drigo ...

[www.christianm.org/downloads/EtoileLinerNotes.pdf](http://www.christianm.org/downloads/EtoileLinerNotes.pdf) - [Gelijkwaardige pagina's](#)

[Miguel Covarrubias \(-\) Artwork Images, Exhibitions, Reviews](#)

Tony Johannot, L'ingénieur hidalgo **Don Quichotte** de la Manche by Miguel de Cervantes Saavedra, ... **Find in a Library**: Miguel Covarrubias caricatures ...

[www.ar.com/masters/c/covarrubias-miguel.html](http://www.ar.com/masters/c/covarrubias-miguel.html) - 25k - [In cache](#) - [Gelijkwaardige pagina's](#)

[Amazon.com: Don Quichotte \(Bibliothèque de la Pleiade\): Books ...](#)

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

[www.amazon.com/Don-Quichotte-Bibliothèque-Pleiade-Cervantes/dp/0828834563](http://www.amazon.com/Don-Quichotte-Bibliothèque-Pleiade-Cervantes/dp/0828834563) - 89k - [In cache](#) - [Gelijkwaardige pagina's](#)

[Amazon.com: Imagining Culture: Essays in Early Modern History and ...](#)



Zoek items:

Zoeken

Uitgebreid zoeken

## Don Quichotte à Dulcinée : [3 poèmes de Paul Morand]

door [Maurice Ravel](#); [Paul Morand](#)

Taal: Frans Soort: Partituur : Muziek drukwerk : Lieder

Uitgever: [Paris] : Durand ; [Bryn Mawr : Theodore Presser], ©1934. [Overige edities ...](#)

OCLC: 15062067 [Citeer dit item](#)

Onderwerpen: [Songs \(Medium voice\) with orchestra -- Vocal scores with piano.](#) [Songs \(Medium voice\) with piano.](#) [Morand, Paul.](#)

[Geef oordeel over dit item](#)

Zoek in mijn bibliotheek

[Dit item kopen](#)

[Voeg deze pagina toe aan favorieten](#) Link naar deze pagina <http://www.worldcatlibraries.org/oclc/15062067&tab=holdings>

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

Bibliotheken

Details

Onderwerpen

Edities

Recensies

Vul locatiegegevens in:

Vul postcode, deelstaat, provincie of land in:

Bibliotheken 1-10 van 52 worden getoond.

Voor alle 8 edities [Toon bibliotheken voor alleen deze editie](#)

1054 Amsterdam, NL

<< Eerste < Vorige 1 2 3 Volgende > Laatste >>

- |    |   |                                    |        |
|----|---|------------------------------------|--------|
| 1. | <a href="#">Univ of London, Birkbeck College</a>                | London, WC1E 7HX United Kingdom    | 356 km |
|    | Partituur   |                                    |        |
|    | Services: <a href="#">Ga naar de pagina bibliotheekgegevens</a> |                                    |        |
| 2. | <a href="#">Edinburgh City Library, Rcon</a>                    | Birmingham, B16 8TP United Kingdom | 461 km |
|    | Partituur   |                                    |        |
|    | Services: <a href="#">Ga naar de pagina bibliotheekgegevens</a> |                                    |        |
| 3. | <a href="#">Edinburgh City Library</a>                          | Edinburgh, EH1 1EG United Kingdom  | 659 km |

### Dit item kopen

[Zoek](#)  
[Don Quichotte à Dulcinée : \[3 poèmes de Paul Morand\]](#)  
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## ITHACA COLLEGE LIBRARY

### Library Catalog

[home](#) > [library catalog](#)

Search

Headings

Titles

Patron

Login

Bookbag

Request

History

Exit

Search Request: Builder = (15062067)[in Keyword Anywhere]

Search Results: Displaying 1 of 1 entries



Detailed Record

MARC Format

### *Don Quichotte à Dulcinée : 3 poèmes de Paul Morand : 1. Chanson...*

**Location:** Music Stacks

**Call Number:** [M1618.R3 D51b](#)

**Number of Items:** 2

**Status:** Available

**Author:** [Ravel, Maurice, 1875-1937.](#)

**Other Author(s):** [Morand, Paul, 1888-1976.](#)

[Lockton, Edward.](#)

**Title:** [Don Quichotte à Dulcinée. Chanson romanesque; arr.](#)

Don Quichotte à Dulcinée : 3 poèmes de Paul Morand : 1. Chanson romanesque : pour baryton et piano / musique de Maurice Ravel ; poésie de Paul Morand ; adaptation anglaise de Edward Lockton.

**Publisher:** Paris : Durand ; Bryn Mawr, PA : Theodore Presser, c1934.

**Description:** 1 score (4 p.) ; 31 cm.

**Portion of title:** Chanson romanesque

**Publisher's No.:** D. & F. 12,427 Durand

**Notes:** French and English words.

For baritone and piano; originally for baritone and small orchestra..

**Subjects:** [Morand, Paul, 1888-1976. Musical settings.](#)

# 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

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- 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

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## ➤ 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

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- **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

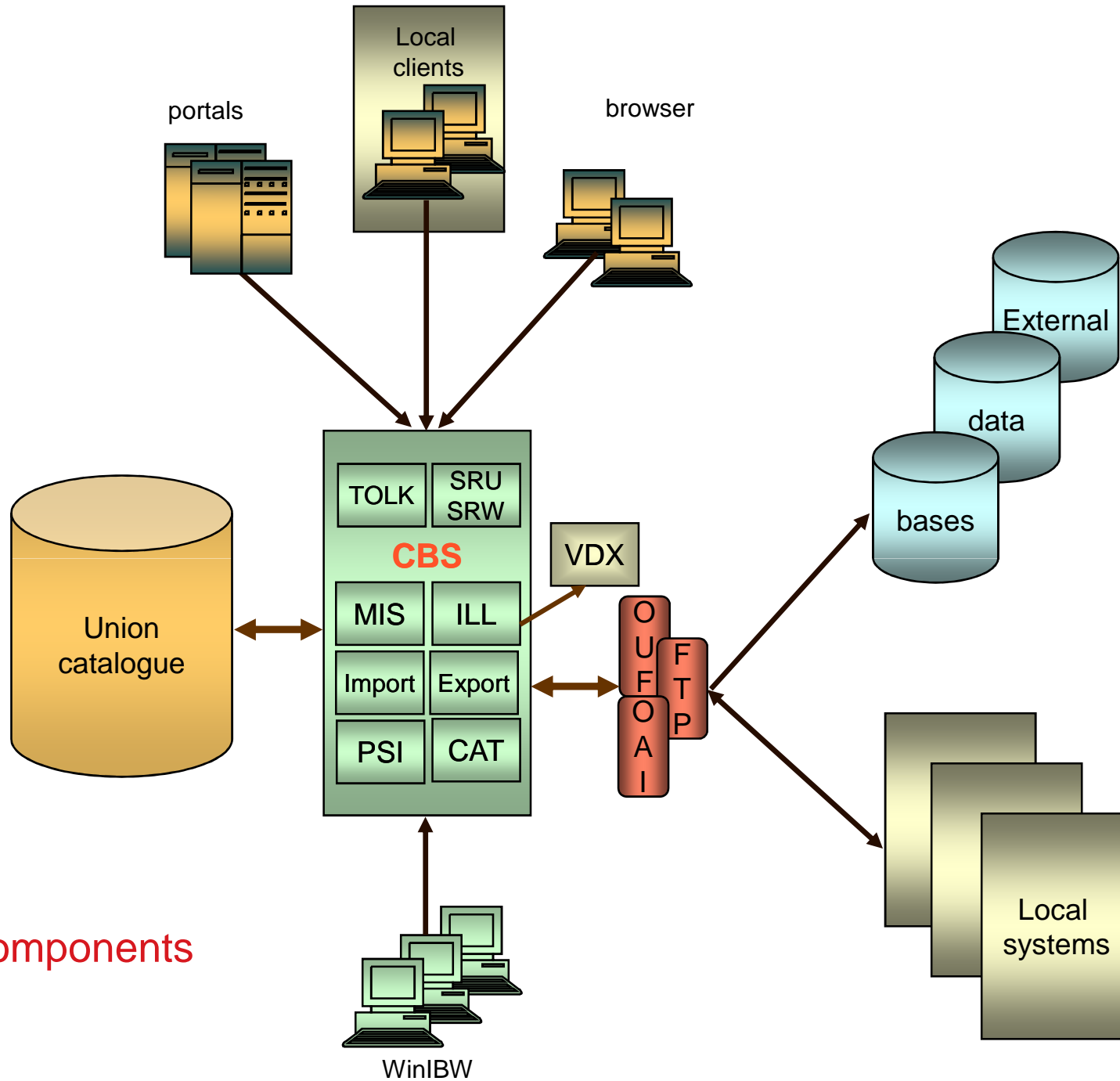
4/4

- 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



# 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

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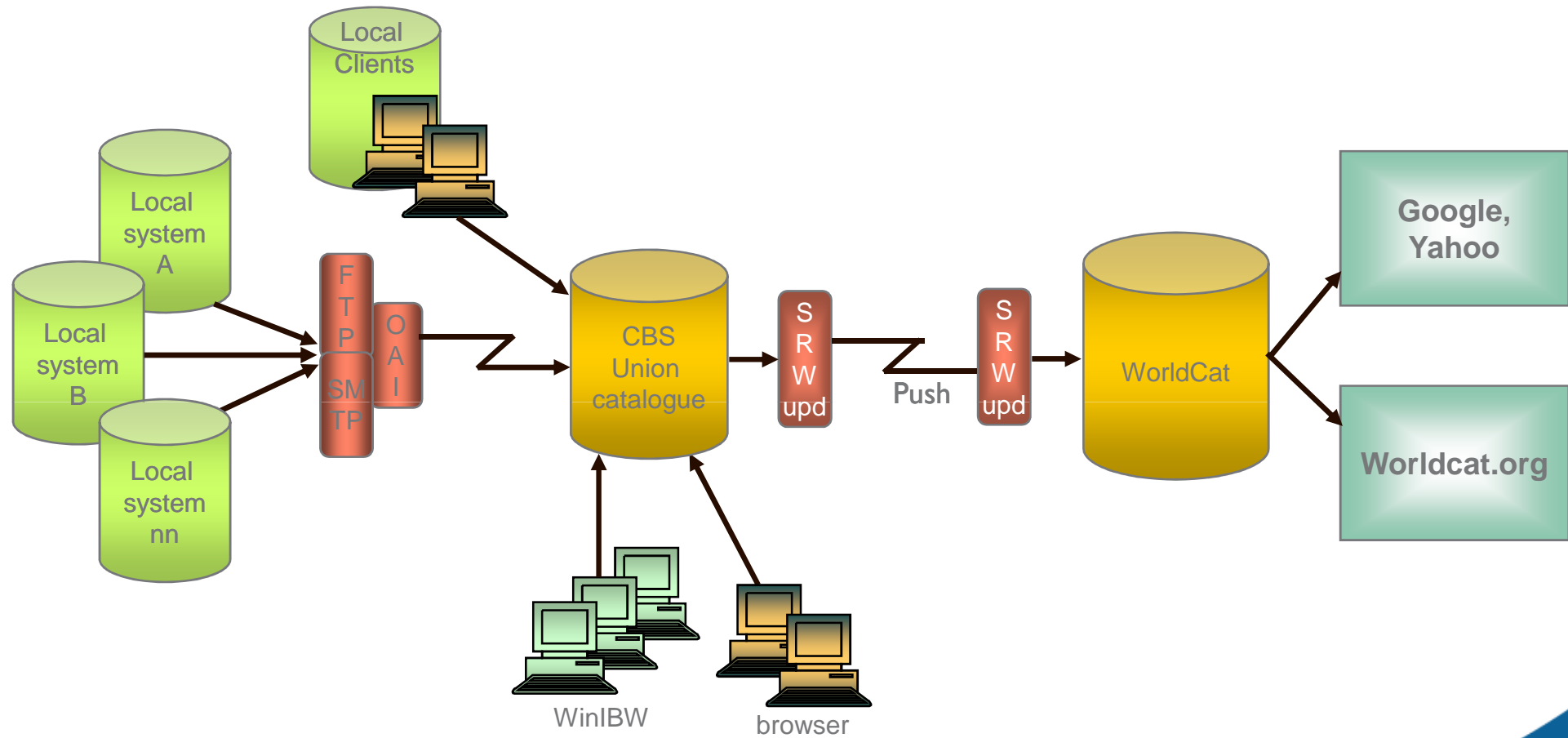
- **Shared cataloguing model:** Netherlands, Germany, France
  - WinIBW cataloguing client
  - Regular online and batch export
  - Incidental batch load (for new libraries)
  - Z39.50 / SRW record update target (German national library)
  - CBS-ILL (Netherlands, France and GBV, Hebis in Germany)
  -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

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- **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 !

PiCarta - results/titledata - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Refresh Print Stop Search

Address http://www.picarta.nl/DB=2.41/SET=4/TTL=2/LNG=NE/SHW?FRST=2 Go Links

Goed Duit

Zoeken Resultaten Geavanceerd Mijn archief Mijn profiel Help © 1998-2004 OCLC PICA

PiCarta

zoeken [of] alle woorden sorteer op relevantie

leadership development zoeken

gebruiker: MUYEN,MARTIN VAN | uitloggen

zoekgeschiedenis titellijst titelgegevens beschikbaar

Lenen  
Fotokopie  
Bewaren  
SDI-verzoek

2 van 675289

resultaten zoeken [of] (alle woorden) leadership development

Titel: [Achieving best practice : shaping professionals for success](#) / by Fiona Westwood

Auteur: [Fiona Westwood](#)

Jaar: 2000

Uitgever: London [etc.] : McGraw-Hill

Annotatie: ill

Lit. opg. - Index

Omvang: 174 p

Formaat: 23 cm

ISBN: 0-07-709749-1 pbk : £24.99

Nummer: (British National Library) BA0X2437

Trefwoord: (LCS) [Leadership](#); (LCS) [Executive ability](#); (LCS) [Professional corporations](#); (GTR) [Leiderschap](#); (GTR) [Management development](#); (GTR) [Vaardigheden](#); (GTR) [Bedrijfskunde](#); (GTR) [Organisatieontwikkeling](#)

Onderwerp: [85.08 organisatiesociologie, organisatiepsychologie](#)

Code: (Dewey) [658.4092](#)

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Gebruik WorldSearch

Done Internet

Start Postvak IN - Micro... LBS CBS presentatie LBS4 product pres... WinIBW 2.000 - [...] PiCarta - results... Desktop 16:50

Presentation with field labels;  
Dutch interface

PiCarta - results/titledata - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://www.picarta.nl/DB=2.41/SET=4/TTL=2/LNG=EN/SHW?FRST=2> Go Links

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PiCarta

search [or] all words sort by relevance

leadership development search

User id: MUYEN,MARTIN VAN | [logout](#)

search history shortlist **title data** availability

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SDI request

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results search [or] (all words) leadership development

Title: [Achieving best practice : shaping professionals for success](#) / by Fiona Westwood

Author: [Fiona Westwood](#)

Year: 2000

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Lit. opg. - Index

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Subject: [85.08 organizational sociology and psychology](#)

Code: (Dewey) [658.4092](#)

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Use WorldSearch

Internet

Presentation with field labels;  
English interface

1 [3260] TTL: 99 PPN:411077619

**Record no.:** 411077619  
**Material type:** am  
**Year of publication:** 2006  
**Author:** [Chen, Huiwen](#)  
[陈慧文](#)  
**Title:** [Mao dian yi luo kuang](#) / Chen Huiwen zhu.  
[猫典一箩筐](#) / 陈慧文著.  
**Translated title:** A basketful of feline information. English  
**Edition:** Di 1 ban.  
第1版.  
**Published:** Tianji : [Bai hua wen yi chu ban she](#), 2006.  
天津 : [百花文艺出版社](#), 2006.  
**Description:** 250 p. : col. ill. ; 21 cm.  
**Series:** [Ai chong wu ai sheng huo](#).  
[爱宠物爱生活](#)  
**Notes:** In simplified Chinese script.  
**ISBN:** [7-530-64362-2](#) (pbk.)  
**Cataloging source:** NZEN (original cataloging agency)  
NZEN (transcribing agency)  
**Dewey number:** [636.80832](#) 22 (edition)  
**Subjects:** [Cat breeds](#) (Library of Congress Subject Headings/Name authority file)  
[Cats](#) (Library of Congress Subject Headings/Name authority file)  
**Language:** Chinese (language of text, sound track or separate title)

***Material characteristics***

**Illustrations:** Illustrations  
**Target audience:** General

***Holdings***

**Held at:** NHUR CHI 636.8 CHE

History

Index

Delete

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