

Ex Libris



Ex Libris Integrated and Consortia Solutions

Heal-Link Workshop
September 2007

www.exlibrisgroup.com

Agenda

- Ex Libris – who and where we are
- New trends and challenges
- Primo and our integrated solutions
- Consortia models and solutions
- A look into the future



Where we are

Ex Libris is the world leader in providing library automation solutions to academic, research, consortium and national libraries



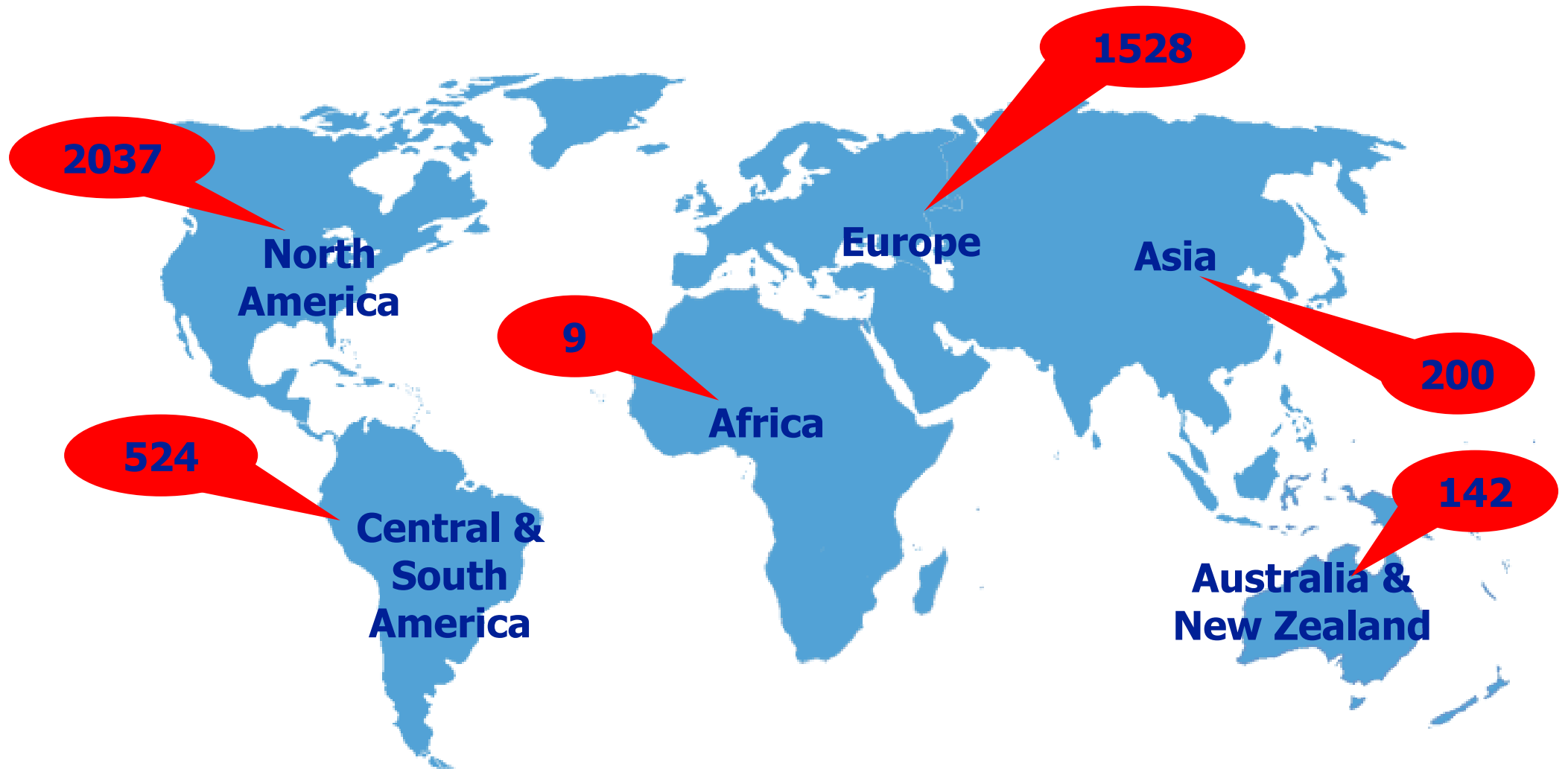
One strong team

Following merge with Endeavor

- Clear leader in the academic library market
- Staff increased by 25%
- Customer base increased by 1,300 customers
- Added 1 new main product to our portfolio--Voyager



Worldwide customer distribution



Who uses Ex Libris products?

44 of the top 50 North American universities

31 of the top 50 European universities

9 out of 10 the top universities for citations worldwide

Source: The Times (UK) 2006 World University Rankings

94 of 123 ARL (American Research Library) members

32 national libraries

75 of the top 100 universities worldwide

82 of the top 100 North and Latin American Universities

Source: Institute of Higher Education Shanghai Jiao Tong University Academic Ranking of World Universities 2006

Selected customers

Academic



Harvard University



Leiden University, Netherlands



MIT



Freie Universität Berlin



Charles University



Beijing Jiatong University



King's College London



Royal Melbourne Institute of Technology

Selected customers

Consortia



The California State University



HBZ

kobv



OCUL
Ontario Council of
University Libraries



Ex Libris Integrated and Consortia Solutions

Ex Libris

Selected customers

In the Region

UNIVERSITY OF CRETE
library



INTERCOLLEGE

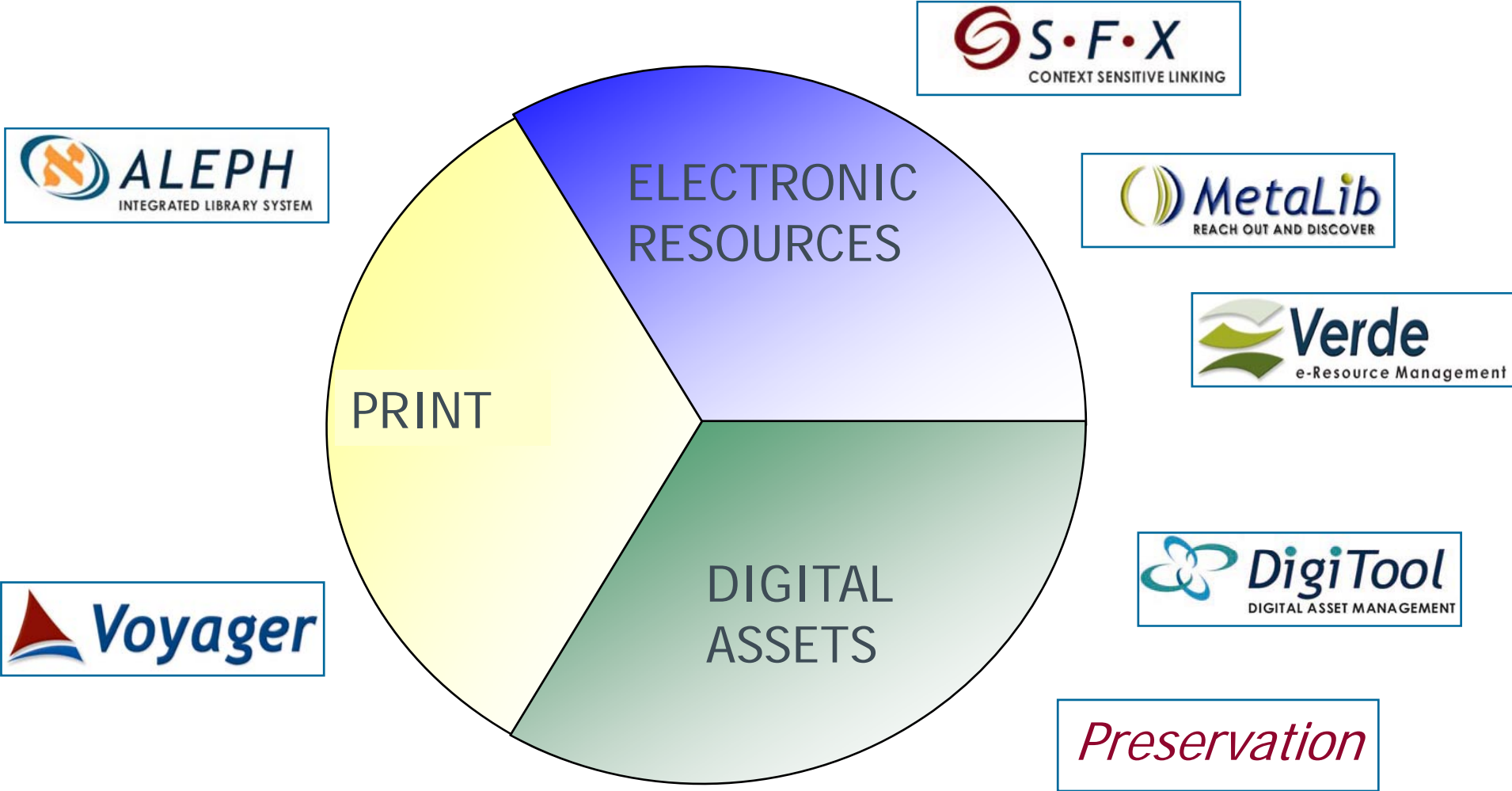


THE AMERICAN SCHOOL OF
CLASSICAL STUDIES AT ATHENS

TECHNOLOGICAL EDUCATION
INSTITUTE (T.E.I.) of ATHENS



Complete library solution



The Role of the Library

- Facing competition in what used to be a well-defined, exclusive domain
- Striving to be a vital source of resources and services in its communities
- Putting more focus on bringing content & services to the users and *not* just about bringing the users to content and services
- The main challenge: *How to remain relevant to its users?*

Our Strategy #1: The End-user

Provide a system and services that will enable libraries to expose content and services to users where & when they need it and in the way they expect it

The end-users – the way they expect it...

- Users' expectations are driven from their overall Internet experience:
 - "One stop shop"
 - Simple but powerful
 - Access quality resources
 - Discovery is a means; Access/Delivery is the goal
 - Instant gratification
 - Collaborative tools



The Challenge

... current end-user services (OPAC, resource discovery, etc.) are tightly tied to back-end applications (e.g., ILS, Digital repositories) and often represent the need of back-end management (governed by librarians) rather than the end-users needs

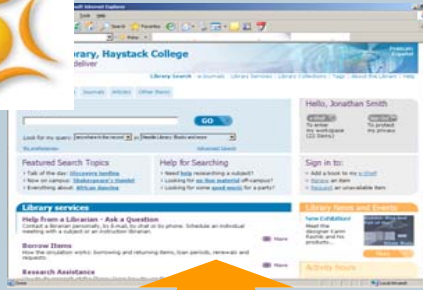
The Solution



- Decouple the user experience layer from the library's back-office functions, separating data creation and maintenance from its discovery
- The goal: provide users with single solution for the discovery and delivery of all local and remote assets:
books, journals, articles, images and other digital content
- http://primo-demo.exlibrisgroup.com:1701/primo_library/libweb/action/search.do?vid=WESTERN



**Front
end**



Metasearching



Primo Index

**Back
office**

Library
catalog

Digital
repository

Knowledge
bases of
electronic
resources

Course
mgmt.
systems

Institution
Web sites

Library controlled

Institution controlled

Databases

e-Journals

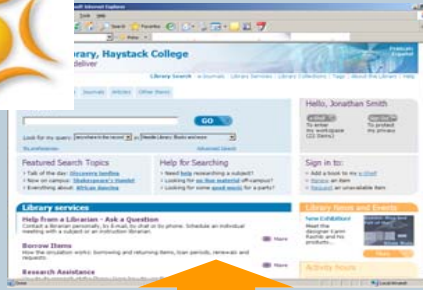
Subject
Gateways

Web
repositories

External



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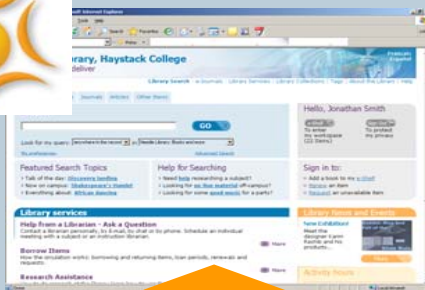
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Front end



Metasearching



Primo Index

Back office

Library catalog



Digital repository



Knowledge bases of electronic resources



Course mgmt. systems

Institution Web sites

Library controlled

Institution controlled

Databases

e-Journals

Subject Gateways

Web repositories

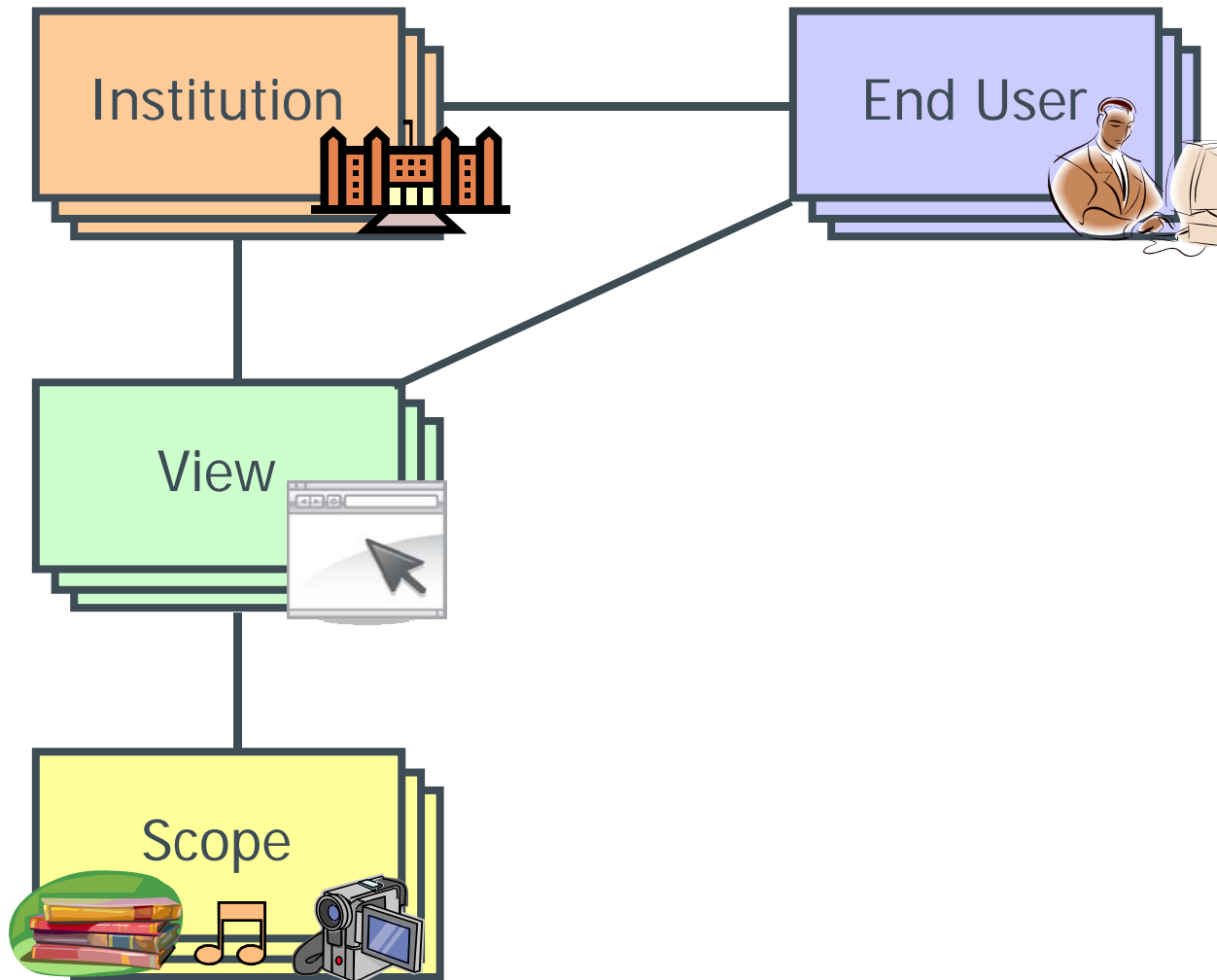
External

Primo Consortia

- One installation can support multiple institutions.
- The end user can view data related to his institution only, to all institutions (consortium), a specific group of institutions or collections across institutions.
- Different Views – each has a different look and feel and different defaults for the pre-search filters (including scopes = set of records on which the search is conducted)



Primo Consortia Model



Primo Consortia Related Features

- De-Duplication – identifying identical records and combining them into one - including all holdings.
- FRBR - identifying similar records and combining them into a group of related records.
- Collection facet – to reflect the organizational structure of the consortium
- Context sensitive display for users –different institutions or the consortium level (e.g. availability status)



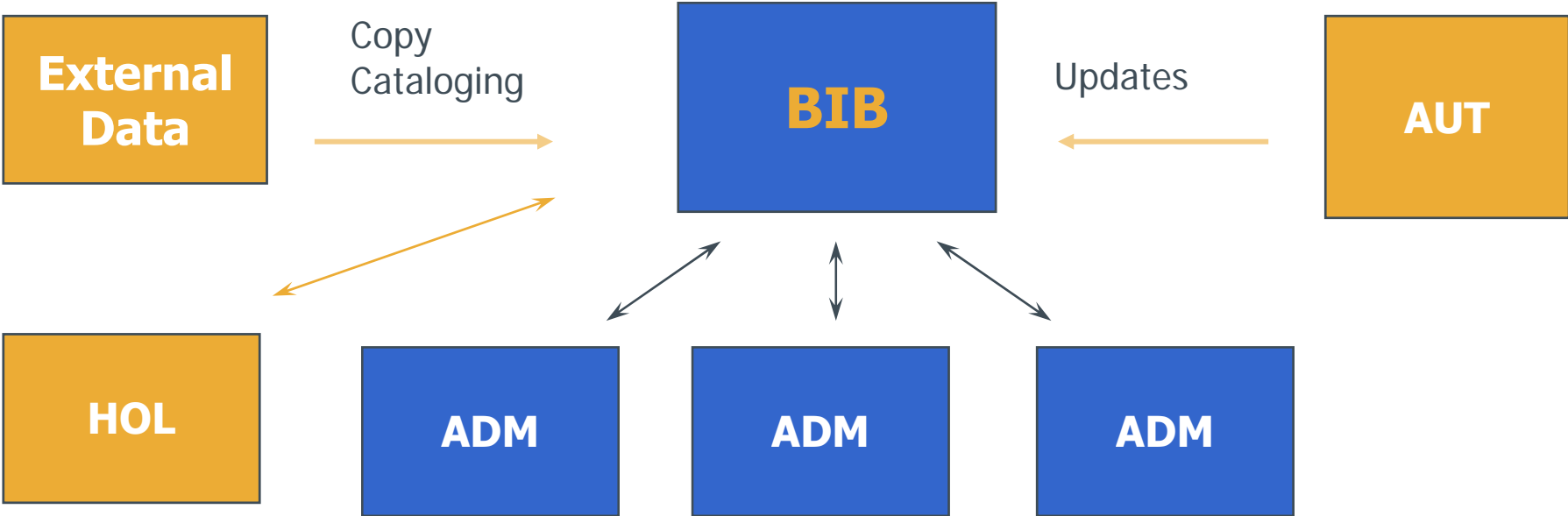
Union Catalog versus Central Catalog

Upload of bibliographic records from local systems	Central cataloguing – download into local systems
Duplicate bibliographic records are virtually de-duplicated	Shared bibliographic records
Local systems are independent in terms of cataloguing rules	Binding rules for central cataloguing
No “feedback” from union catalog	Local systems receive corrections of locally owned records
Separate authorities	Shared authorities

Central Catalog Implementations

- Consortium of the Austrian Ministry for Education and Cultural Affairs 16 local libraries - : 650.000 titles
- ACC - 57 members of the Austrian Library Network – sharing a central catalog from which each library extracts its own records
- HBZ – Hochschulbibliothekszenrum des Landes Nordrhein-Westfalen – one of the largest catalogs in Europe - members run a range of different library systems

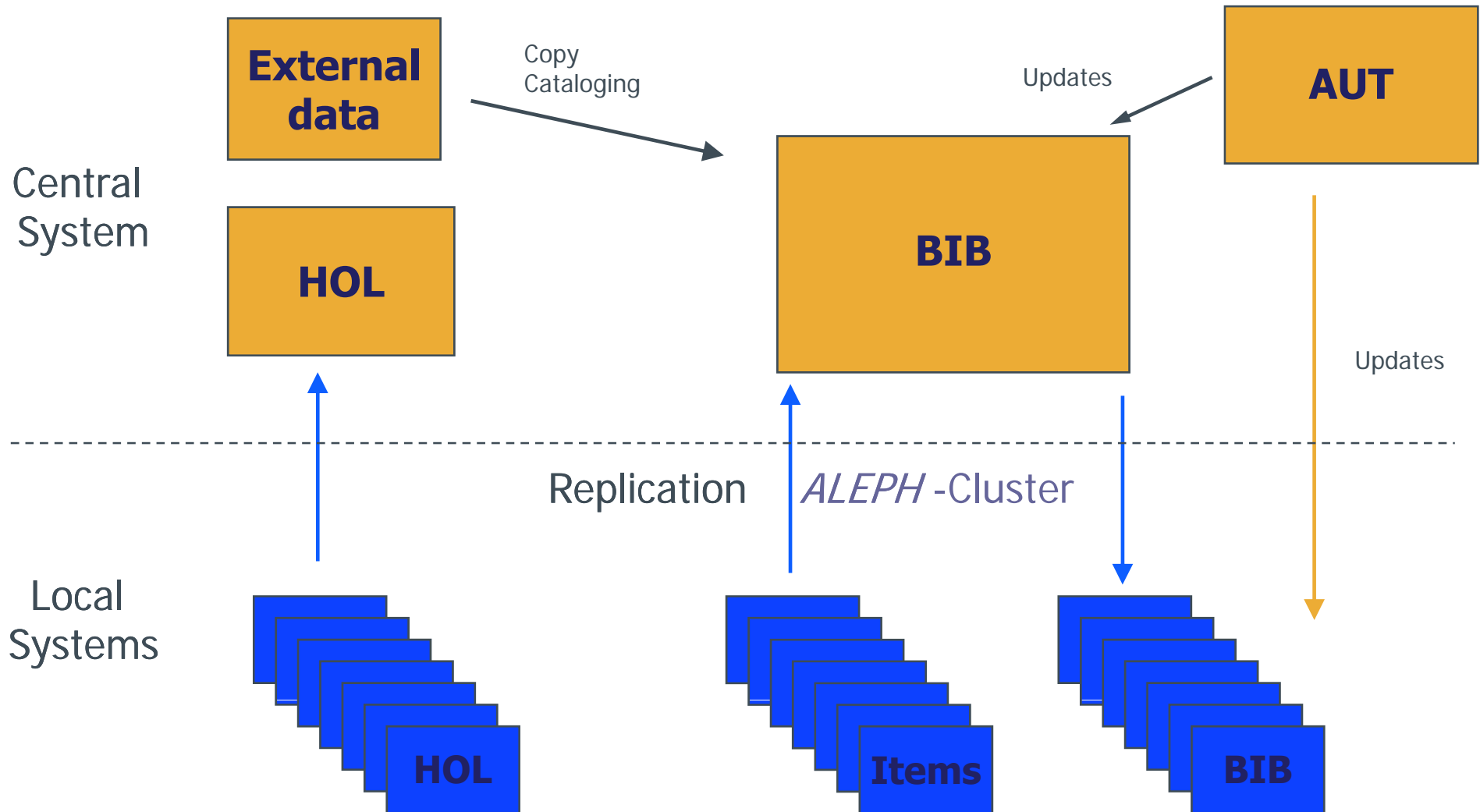
Model A: Single BIB with Multi-ADM Libraries



Single BIB with Multi-ADM Libraries

- Shared installation/server
- All institutions share a single BIB record
- ADM library per institution or group of institutions

Model B: Central Catalog – ALEPH Cluster



Central Catalog – ALEPH Cluster (cont)

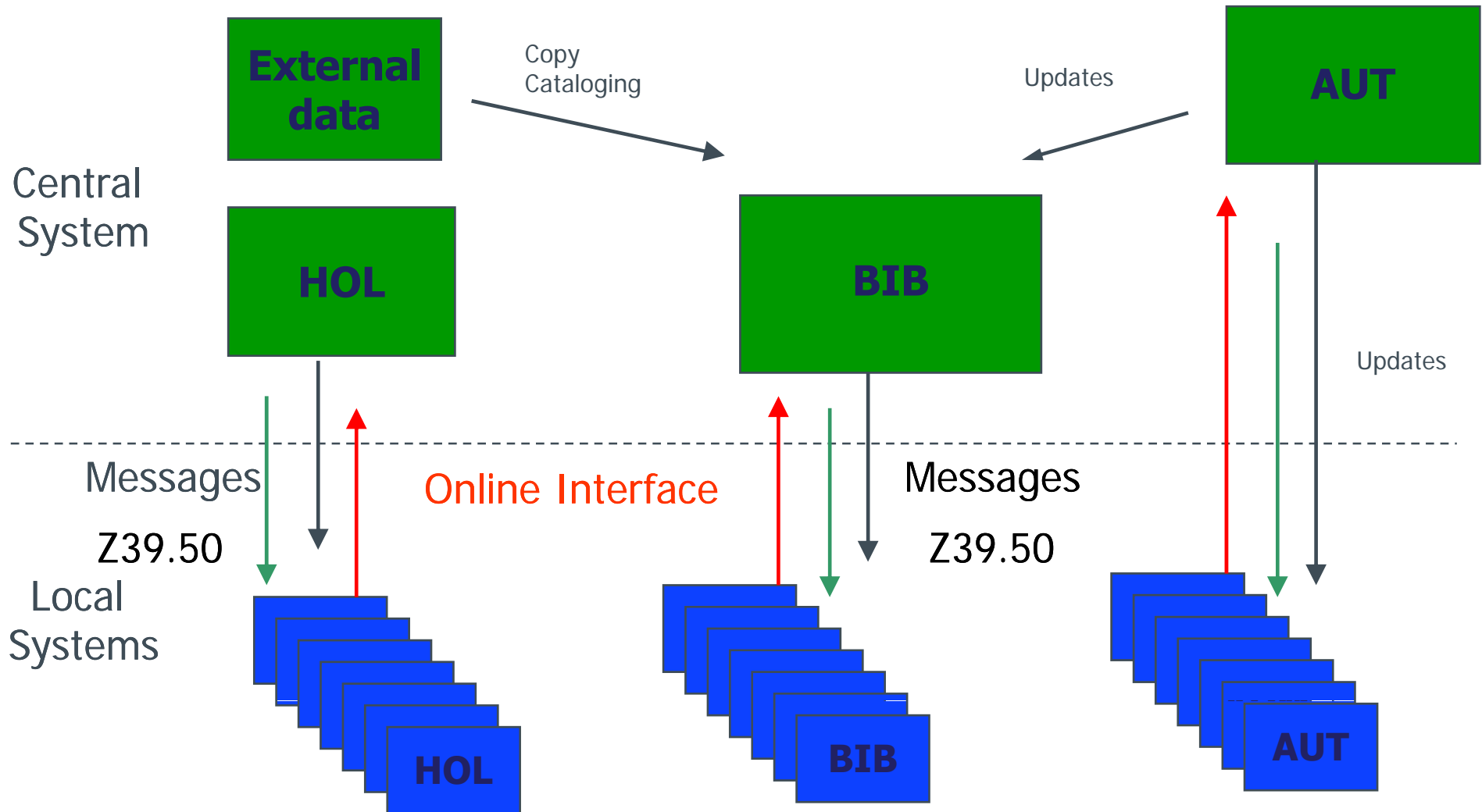
- One central catalog containing a single record for each title, supplemented by local catalogs
- Enables multiple servers (per institution)
- Each institution controls its own BIB and ADM data
- Bibliographic and AUT records are cataloged centrally (ALEPH CAT client)
- Holdings and items are entered locally
- Interface: ALEPH Cluster replication
 - Replication of BIB records: central -> local
 - Replication of HOL records and items: local -> central
 - Local systems use central AUT data
 - Web-OPAC: Jump into the local OPAC
- ALEPH Cluster: connection ALEPH <-> ALEPH

Central Catalog – ALEPH Cluster (cont)

Workflow

- BIB records are always created centrally first, then copied manually (CTRL+N) to the local BIB
- BIB records are centrally available -> copy (CTRL+N) to the local BIB.
- Every BIB or AUT update is automatically replicated to the local systems.
- HOL and item records are only created locally, and updated with automatic replication to the central system.

Model C: Central Catalog – Non-ALEPH Participants



Central Catalog – Non-ALEPH participants (cont)

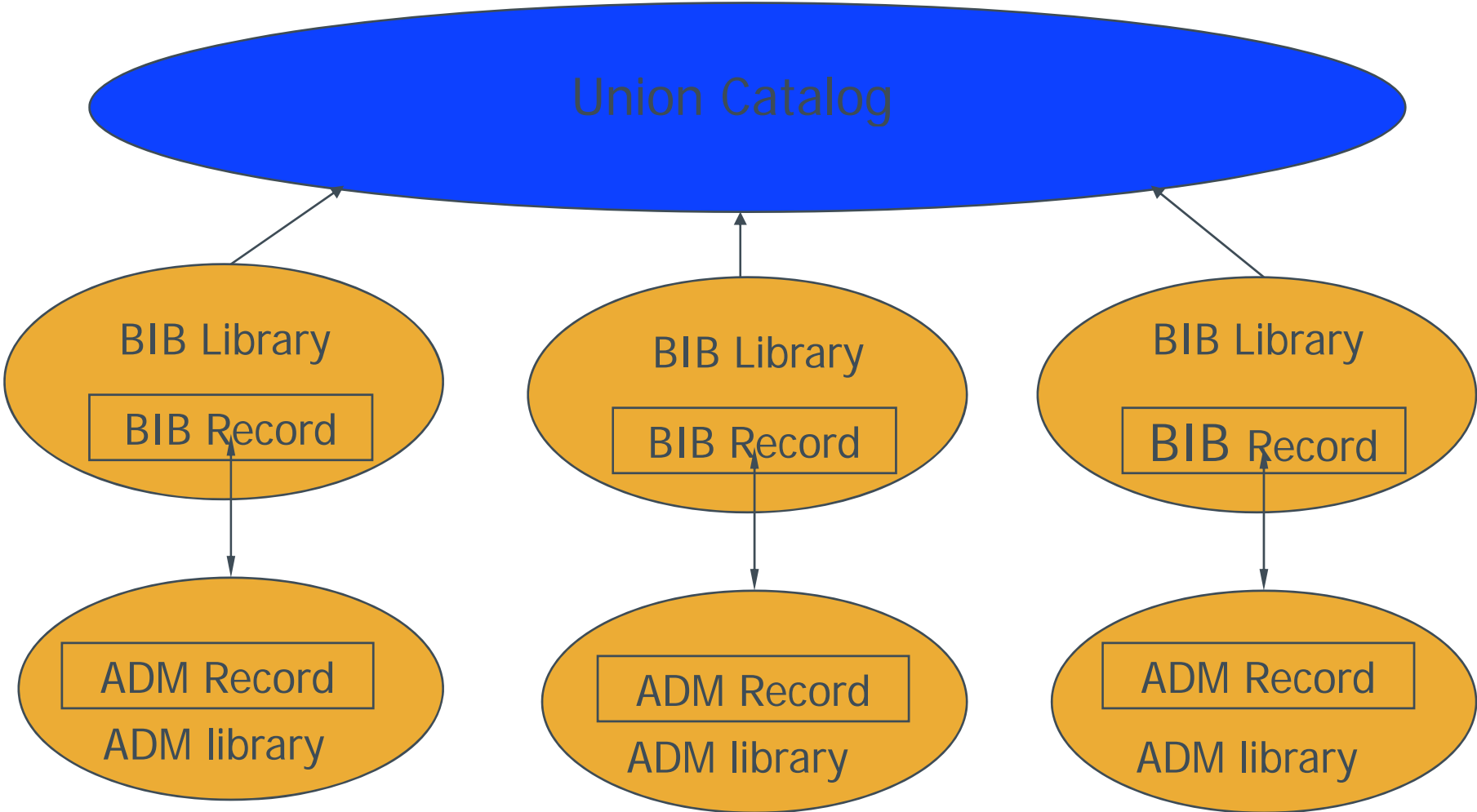
- Each institution controls its own BIB and ADM data
- Holdings and items are entered locally
- Bibliographic and AUT records are entered locally
- Interfaces:
 - Online Interface for Cataloguing/ALEPH CAT
 - Messages concerning data changes can be fetched by local systems
 - Updated records can be transferred to local systems via Z39.50

Central Catalog – Non-ALEPH participants (cont)

Workflow

- BIB and AUT records are always created centrally first, but can be processed by local client
- Holdings can either be created centrally before or after local update (local client)
- Every BIB or AUT (and if needed HOL) update generates a message
- Local systems pull messages and get full records through Z39.50

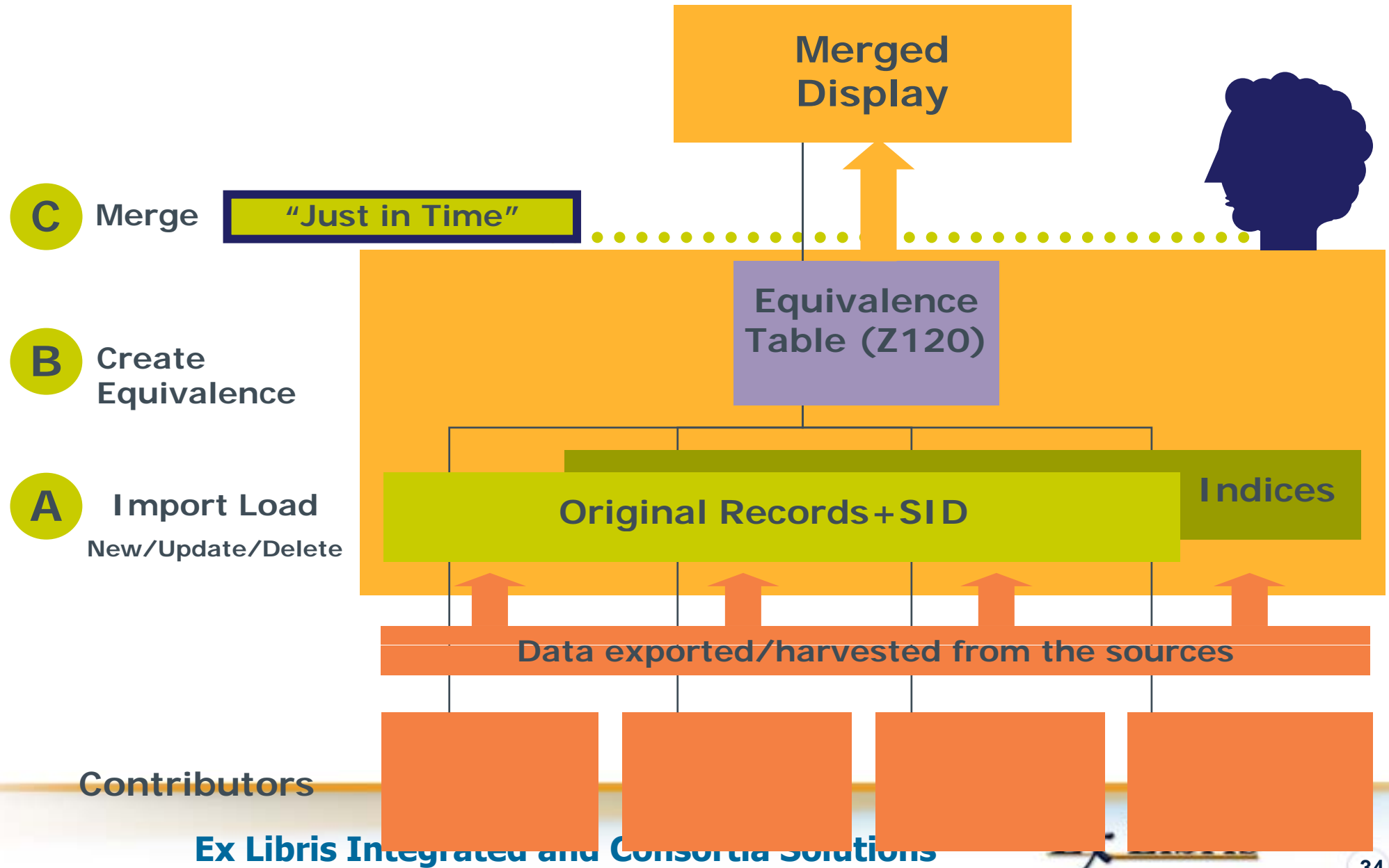
Model D: Separate Catalogs and a Union Catalog



Separate Catalogs and a Union Catalog (cont)

- Enables multiple servers (per institution)
- Each institution controls its BIB and ADM data
- Virtually de-duplicated Union Catalog for OPAC (desirable)
- Upload of bibliographic records and HOL information
- Circulation status may be obtained from local systems Real time access to circulation status via Z39.50 or ALEPH API
- ALEPH and NON-ALEPH local systems

ALEPH Union Catalog



California Digital Library – Union Catalog Model

- Over 23 million titles
- Contains records from 2 ALEPH 500 systems and various other ILS systems at 10 campuses
- Bibliographic data is routinely extracted from all these systems and loaded into CDL on an ongoing basis

Edit View Favorites Tools Help

Back Search Favorites

Address: http://melvyl.cdlib.org/F/H2HMNP7XUMT4G2IFVHEURXV6LJBBNJISL9G6A8CRGQV2523RXM-26910?func=full-set-set&set_number=024424&set_entry=000001&doc_number Go

PageRank 0 blocked Check AutoLink AutoFill Options

Basic Search Advanced Command Browse Most Recent Search Previous Searches Saved Items

Search results: **75 Item(s)** [Modify Search](#)

Display: [Full](#) [MARC](#)

[Print / Email](#) [Save](#) [Save Across Sessions](#) [Request](#)

[⏪ Previous](#) [Next ⏩](#)

Item 1 of 75 Total

[Return to Search Results List](#)

Author [Hemingway, Ernest, 1899-1961.](#)

Title The **old man** & the **sea** / Ernest Hemingway.

Publisher London : Jonathan Cape, 1952 (1957 printing)

Description 127 p.

Language English

Format Book

Library [UC Berkeley](#) [UC Los Angeles](#) [All](#)

Library	Call Number	Availability	Notes
Berkeley Bancroft	PS3515.E37 O4 1952a	Circ status	Contact Bancroft Library for availability Bound in blue cloth; dust jacket.
Regional Library Facility SRLF	PS3515 .H37o 1952b	Circ status	A0001336791

[⏪ Previous](#) [Next ⏩](#)

- R] Επεξεργασία εγγραφών
- UOC01-149248 (NEW728.MI
- [] Εισαγωγή εγγραφών
- Γ] Αυτόματες ενέργειες

- UOC01 - 149248
- UOC50 - 149248
- UOC60
- HOL - RETCL RCARV STA (

Λεσέρ	LDR	—	—	00000aam^^2200157^^^4500
Κωδ.-Εγγ	001	—	—	000149248
Χρον./γία	005	—	—	20070309142345.0
Σταθερά	008	—	—	970115s1832^^^^^gr^^^^^^^^^^^^^^^^000^0^grc^d
Ταξινομ.	090	—	a	APB 3171
ΚΑ-ΦΠ	100 0	—	a	Thucydides,
			d	5th century B.C.
Τίτλος	245 10	—	a	Σύλλεκτα των Θουκυδίδου και Ηροδότου ιστοριών, προς χρήση του εν Αιγίνη Κεντρικού Σχολείου.
Έκδοση	260	—	a	Εν Αιγίνη :
			b	Εκ της Εθνικής Τυπογραφίας διευθυνομένης υπό Γ. Αποστολίδου Κοσμητού,
			c	1832.
Περιγρ.	300	—	a	1φ.+120 σ. , ;
			c	22 εκ.
Σημ/σεις	510 4	—	a	ΓΜ 2232.
Σημ/σεις	533	—	a	Το βιβλίο διατίθεται και σε ψηφιακή μορφή
			b	Ρέθυμνο
			c	Πανεπιστήμιο Κρήτης Βιβλιοθήκη (Πρόγραμμα "Κοινωνία της Πληροφορίας")
ΠΑ-ΦΠ	700 00	—	a	Ηρόδοτος,
			d	484-410 π.Χ.
ΚΩΔ-ΧΡΗ	999	—	a	mouzoura
			d	Wed, 15 Jan 1997
Με/τροπή	A01	—	a	149248
			b	140279
			c	RET

Προβ. συναφών

Προηγούμενος [Καζαντζάκη, Ελένη Ν., 1903-2004](#)

γγρ. Τρέχων [Καζαντζάκης, Νίκος, 1883-1957](#)

Επόμενος [Καζαντζάκης, Νίκος, 1883-1957 Criticism and interpretation](#)

σπεύσματα από Κατάλογος για [Καζαντζάκης, Νίκος, 1883-1957](#)

γραφές 1 - 10 από 720

Μετάβαση σε #

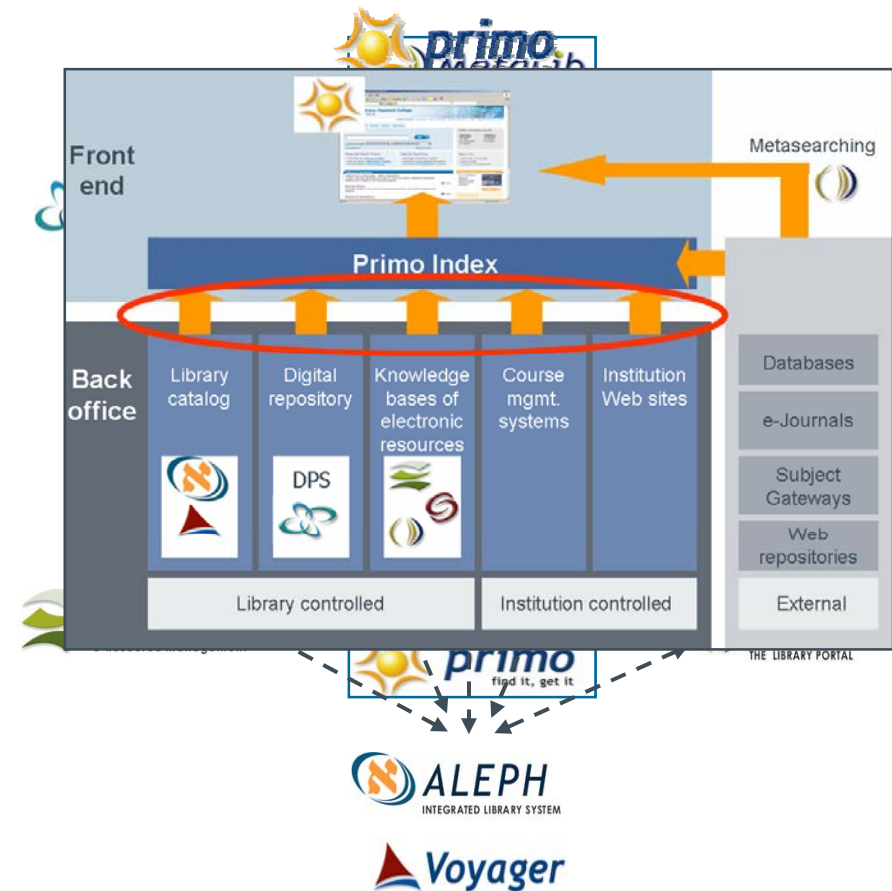
Σελίδα - Σελίδα +

	Τύπος	Συγγραφ.	Τίτλος	Έτος	Βιβ/Γεκμ.
<input type="checkbox"/>	Χειρόγραφα	Πρεβελάκης, Παντελής,			Ρέθυμνο-Κεντρ. Β(1/ 0)
<input type="checkbox"/>	Μονογραφία	Καζαντζάκης, Νίκος,	Ταξιδεύοντας : Αίγυπτος, Σινά, Άγιοι Τόποι, Κύπρος, Α	1959	Ρέθυμνο-Κεντρ. Β(1/ 0)
<input type="checkbox"/>	Χειρόγραφα	Καζαντζάκης, Νίκος,		1928	Ρέθυμνο-Κεντρ. Β(1/ 0)
<input type="checkbox"/>	Μονογραφία	Καζαντζάκης, Νίκος,	Alexander the Great : a novel / Nikos Kazantzakis ; translated byTheodora Vasils ; illustrated b	1982	Σχ. Θετ. - Τεχν. Επι(1/ 0)
<input type="checkbox"/>	Μονογραφία	Καζαντζάκης, Νίκος,	Alexis Zorba / Nikos Kazantzaki ; roman traduit du grec par Yvonne Gauthier avec la collaboratio		Ρέθυμνο-Κεντρ. Β(2/ 0)
<input type="checkbox"/>	Μονογραφία	Καζαντζάκης, Νίκος,	Alexis Zorba ou le rivage de Crete / Nikos Kazantzaki, traduit du grec par Yvonne Gauthier.	1947	Ρέθυμνο-Κεντρ. Β(2/ 0)
<input type="checkbox"/>	Μονογραφία	Καζαντζάκης, Νίκος,	Alexis Zorbas / Nicos Kazandzakis, introduccio i traduccio directa del grec per Jaume Berenguer	1965	Ρέθυμνο-Κεντρ. Β(1/ 0)
<input type="checkbox"/>	Μονογραφία	Καζαντζάκης, Νίκος,	Ascese : Salvatores Dei / N. Kazantzakis ; texte etabli par Aziz Izzet.	1959	Ρέθυμνο-Κεντρ. Β(2/ 0)
<input type="checkbox"/>	Μονογραφία	Καζαντζάκης, Νίκος,	Ascese : Salvatores Dei / N. Kazantzakis; traduit du grec et presente par Octave Merlier.	1951	Ρέθυμνο-Κεντρ. Β(4/ 1)
<input type="checkbox"/>	Μονογραφία	Καζαντζάκης, Νίκος,	Buda : tragedia en 3 actos / Niko Kazantzakis.	1983	Ρέθυμνο-Κεντρ. Β(1/ 0)

Σελίδα - Σελίδα +

Open Modular Scalable Solutions:

- Individual products
- Interoperability
 - Internal – Product suite
 - External – Open architecture
- Comprehensive solution
- Consortia support



When planning the next generation system...

- Primo is the first step: decoupling the front-end from back-office systems
 - Libraries do not need to wait for a total solution; they can offer better service to end-users today
 - Libraries can add or replace back-office systems without changing the user experience

The next step—back office

- Moving from multiple product-based solutions to a uniform resource management system
- Supporting task-based workflows
- Enabling a higher level of data analysis to support decision making
- Facilitating collaboration and resource sharing as well as differentiation
- Decreasing total cost of ownership (TCO)

