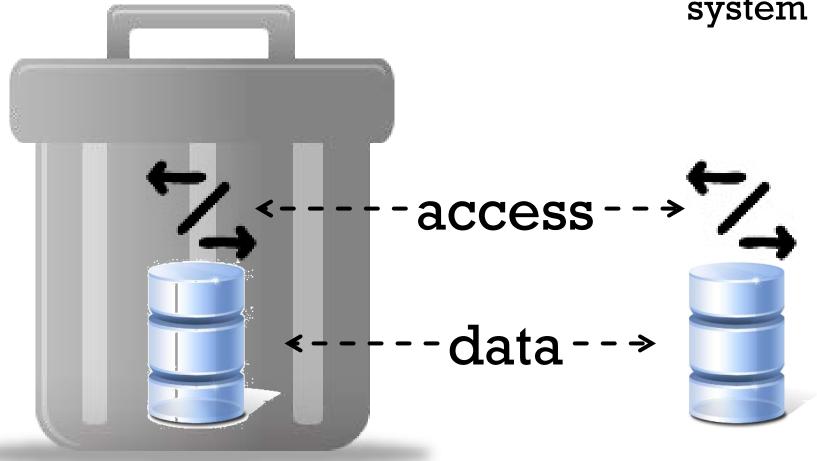




"System containing data, only accessible via internal system calls"



SILO

NO SILO



Application Programming Interface



http://twitter.com/jindrichmynarz/status/269089964103434242



Focus

Traditional library content: publications





Story



November 2005

SMUG 4 EU

EUROPEAN NEWSLETTER FOR SFX/METALIB USERS



In this issue:

- In Focus: Knowledge bases
- Interviewed: Chris Roberts
- In Portrait: Portugal
- Inside: Pivotal
- . In London: Eye on SMUG

Issue No 2 was edited by

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Andrea Kroneisl,

Service LTD Vienna

On death, Google and karaoke

September 2005, a crowded pub in London's Bloomsbury area, could be The Lamb, The Swan or The Frog. Lager, Bitter and Guinness are running continuously out of shiny golden taps. The later the evening, the more rosy faces around: among them a group with white name cards awry clipped at their collars. They seem to have just come in from a conference centre nearby.

A (loud): Have you heard? It's dead. They all say it's dead.
B (startled): Who's dead?
A (laughing): I guess, there won't even be a funeral. Nobody seems to be really sad.
C (signing): Google, Google,
B: How many glasses have you had? What are you talking about?
C and A (singing in a kind of canon): Google, Google, Google.
A: Seriously, don't you agree, that federated search systems

are dead? We can't compete with them, can we? B: But we just started with

B: But we just started with MetaLib and SFX, statistics look promising ... Especially after we invested in trainings, special BA courses, introducing MetaLib and SFX. I could show you the numbers. C (signing again): You need

A: But you won't get those kids back that you have already lost. They will stay with Google ... B: Please, don't sing. A (a little peeved): Don't you like my voice? (happy again) We could go to a karaoke bar after-

courses, that's for sure.

B: But what is the alternative?
Build big databases like Google
does? Harvest data till you
drop? (A pause. Then thinking
loud) Probably we do need both.
Big databases as well as federated search. You will never be
able to harvest all the worlds

C (mumbling): Perhaps only a limited number of distributed harvested indexes around the

A: Maybe I mixed it up: not federated search is dead, but the dream, that federated search is the ultimate solution. C (again awake): Yes! That must be it! And then federated search can survive and be used for accessing those indexes! The bell rings for last orders. C: Have another beer. It's my round.

A + B: Yeess ... And then the karaoke bar ... (singing) Yesterday, all my troubles seemed so far away ...

EAVESDROPPED BY LUKAS KOSTER AND BEATE RUSCH

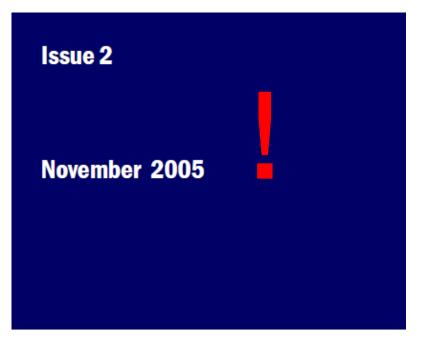
CONTACT: LUKAS.KOSTER(@)KB.NL RUSCH(@)ZIB.DE



EAVESDROPPED BY LUKAS KOSTER AND BEATE RUSCH

CONTACT: LUKAS.KOSTER(@)KB.NL RUSCH(@)ZIB.DE

http://igelu.org/wp-content/uploads/2010/10/smuq4eu issue2.pdf



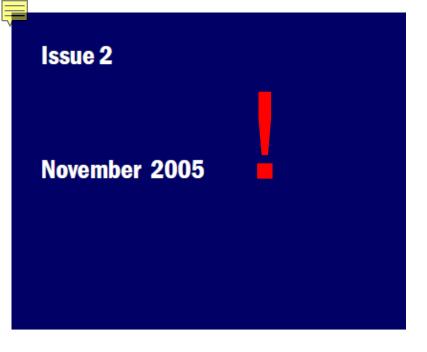
7 years ago!

A: Federated search systems are dead But you won't get those kids back that you have already lost. They will stay with Google

B: But what is the alternative? Build big databases like Google does? Harvest data till you drop? Probably we do need both. Big databases as well as federated search.

C: Perhaps only a limited number of distributed harvested indexes around the world.

Federated search can survive and be used for accessing those indexes!



7 years ago!

A: Federated search systems are dead But you won't get those kids back that you have already lost. They will stay with Google

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Issue 4

February 2007

SMUG 4 EU



NEWSLETTER FOR SFX/METALIB USERS



- Integration of Ex Libris products
- Integration in Luxembourg
- Integration with third party products
- Ex Libris and Endeavour merger
- Metalib 4 testing
- e-Books focus group
- MetaLib advanced CKB tools
- Library 2.0

Issue No 4 was edited by

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Hot dogs and cars - The drive-in McLibrary

By BEATE RUSCH, KOBV BERLIN AND LUKAS KOSTER. LIBRARY OF THE UNIVERSITY OF AMSTERDAM

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selling hamburgers. Or a car company expanding into tire manufacturing. What do the two have in common? And how does this relate to libraries? Both of them are examples of integration activities - according to Investopedia - horizontal and vertical integration, Horizontal integration means expanding your business into different products that are similar to current lines, while vertical integration is expanding your business into areas that are at different points of the same production path.

A hot dog vendor expanding into

If libraries describe their philosophy they'll certainly also talk about integration - integration of services, integration of assets and resources.

Like the car manufacturer, libraries have been expanding vertically from providing content only into providing discovery tools and services, publishing and digitisa-

Like the hot dog vendor, libraries have been expanding horizontally by offering an ever wider range of menus and tastes in tools and

With their own vehicles (computers and web browsers) clients are now visiting the McLi-

brary drive-in to order servings to their own taste from a selection of menus: OPACs, Metasearching tools, OpenURL resolvers. Full text databases, etc.

To make an excellent service all these tools need to function as an integrated system. Not only with each other, but also interacting with the rest, such as the institutional website, the institutional portal, third party's learning environments.

Technically speaking, integration may result in a functioning or a unified whole. This distinction refers to different concepts. which are discussed passionately again and again. A "functioning whole" may be understood as an integrated structure of cooperating tools in which the different parts (like in this case SFX, MetaLib or other tools) can be distinguished as such, whereas a "unified whole" would mean that the end users experience one "new" system or user interface that conceals the integrated parts. In the case of SFX and MetaLib we ask the vendor: how can we integrate SFX and MetaLib with each other and with other Ex Libris tools? For the sake of our patrons we are asking ourselves: what's better: a "functioning whole" (using linking, deep links, common databases, etc.), or a "unified whole" (Primo?, home grown systems using a single user interface and Xserver and other API's?)?

Both SFX and MetaLib offer the option of only using the backend via the X-Server API's, which is in fact a form of disintegration. One consequence of this separation of (meta) data and presentation could involve another form of integration, that of combining different databases in real or virtual collections that can be accessed by a number of integrated or nonintegrated tools.

When libraries are talking about integration, they are not only thinking about the user's perspective, but also about the backend of their business. where internal workflows are in focus. In general, our aim is to reduce duplicating work, to store the same information only once, to cooperate closely.

By the way: Have you ever thought of the varieties of hot dogs? The different flavours: with salsa, chilli pepper, beans, ketchup, mustard, relish, remoulade. Organic, veggie, kosher. Split, scrambled, smoked. Tastes are endless and (thank God!) no international standard committee is in sight. This is one of the main differences! While we have standards our clients, around the world, have many different tastes. But that might be another story. Maybe the McDrive metaphor is really inappropriate and silly and we libraries are more like a three star restaurant



BY BEATE RUSCH, KOBV BERLIN AND LUKAS KOSTER. LIBRARY OF THE UNIVERSITY OF **AMSTERDAM**

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http://iqelu.org/wpcontent/uploads/2010/10/smug4eu_issue4.pdf

Old silos, new silos, no silos - SWIB12 -

If *libraries* describe their philosophy they'll certainly also talk about integration – *integration of services*, *integration of assets and resources*.

To make an excellent service all these tools need to function as an *integrated* system. Not only with each other, but also interacting with the rest, such as the institutional website, the institutional portal, third party's learning environments.

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Combining different databases in *real or virtual collections* that can be accessed by a number of *integrated or nonintegrated tools*.

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Libraries – integration of services, assets and resources. distributed, linked

Integrated systems

- Functioning whole: an integrated structure of cooperating, distinguishable tools
- *Unified whole*: one new system of concealed integrated parts

aggregated, silos

Combined databases

- Real collections aggregated, silos
 Virtual distributed, linked

Data management

- Big data

aggregated, silos Distributed harvested indexes aggregated, linked

Backend integration of internal workflows

- Reduce duplicating work
- Store the same information only once
- Cooperate closely

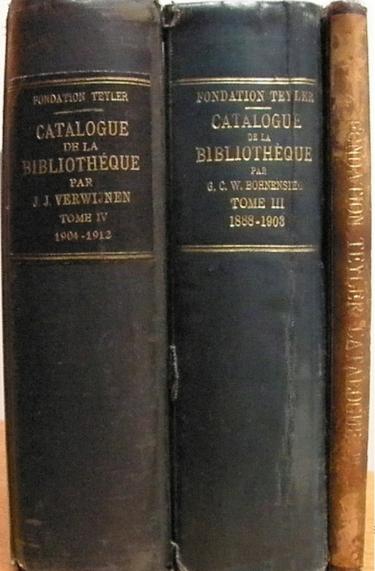
aggregated, linked

Story



Libraries: local collections of physical printed publications

http://www.flickr.com/photos/88526197@N00/4218548045/





Catalogues: finding publications and their locations

V.12 Henry 32000003300201 Unlinked

DA750 Macphail, James Robert Nicolson, 1858-1933, ed.

. S5 Ser.2

Highland papers ... edited by J. R. N. Macphail, K. C. Edinburgh, Printed by T. and A. Constable for the Scottish history society, 1914-34. |916. Library has v.1-2

4 v. fronts. (v. 3-4; ports.) fold. facsims. 23cm. (Half-title: Publications of the Scottish history society. 2d ser. vol. v, xII, xx; 3d ser. vol. xxII)

Vol. 4 contains a biographical introduction by W. K. Dickson.

v. 5 done & mark holdings made }

1. Highlands of Scotland—Hist.—Sources. 2. Highlands of Scotland— I. Dickson, William Kirk, 1860-Geneal. II. Title.

14-11585 Revised 2

Library of Congress

DA750.S25 r35d2

http://www.flickr.com/photos/cat-sidh/457060770

Serials

You can search by any of the methods listed here. Enter the number of the search you want.

- Serial Title Keyword
- Serial Title Alphabetical
- TITLE Alphabetical
- 4. TITLE Keyword
- 5. AUTHOR Authority
- SUBJECT Authority
- SUBJECT Authority Keyword
- 8. SERIES Authority
- LCCN

- 10. ISBN/ISSN
- SISAC
- 12. OCLC #
- Dewey Decimal CALL #
- 14. Dymix BIB #
- 15. Item BARCODE
- Print Saved Bibliography

http://www.flickr.com/photos/dukeyearlook/7046582583

17. Quit Searching

Enter your selection(s) and press <Enter>
S=Shortcut on, BB=Bulletin Board, ?=Help

http://en.wikipedia.org/wiki/File:Screenshot_of_Dynix_library_automation_software_in_green.png

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Browse

Search

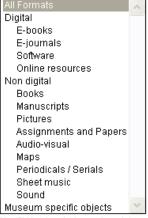
Words adjacent? No ○ Yes Words from title ~ AND ○ OR ○ NOT Author ~ No ○ Yes AND ○ OR ○ NOT No ○ Yes Subject ~ Go Clear

Limit search to:

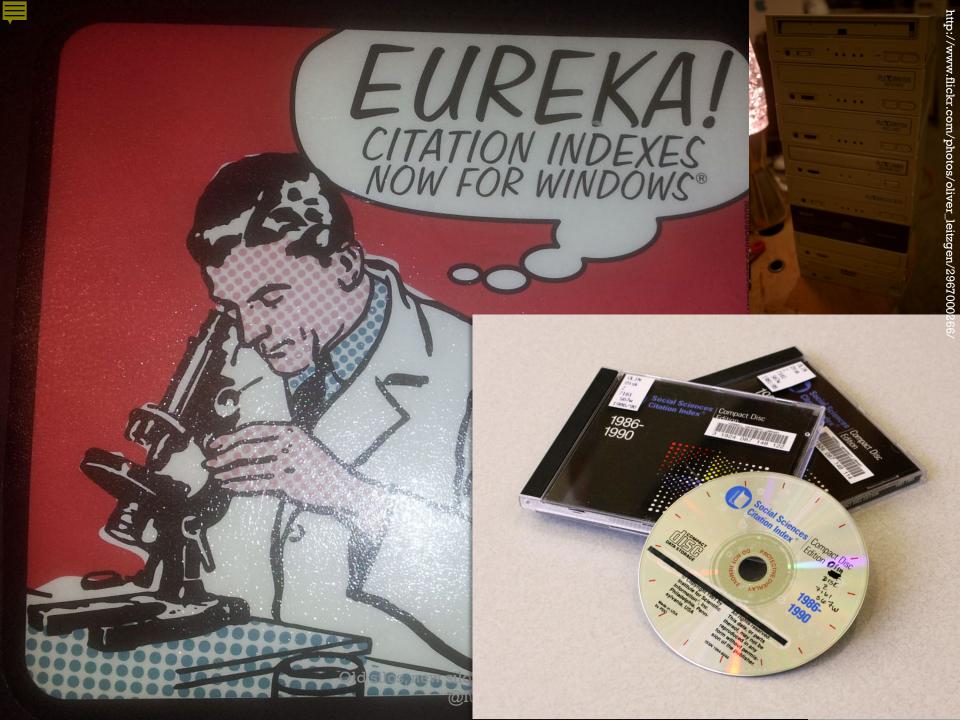


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(Use Ctrl key to select more formats.)





Request a Data Change

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Silo origins

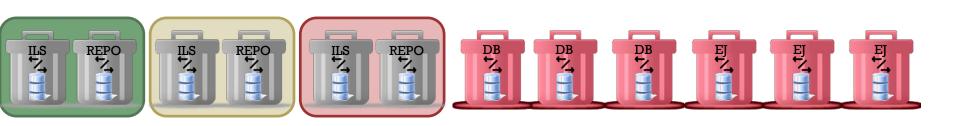
Technology
Economics
Licenses
Tradition
Psychology



Serious Story

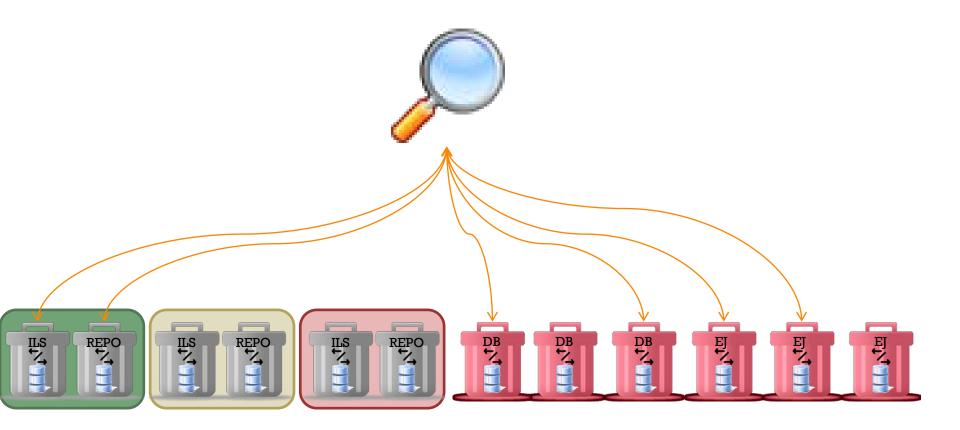
ILS = Library Catalogue
REPO = Institutional Repository
DB = Database
EJ = EJournal

Bibliographic data



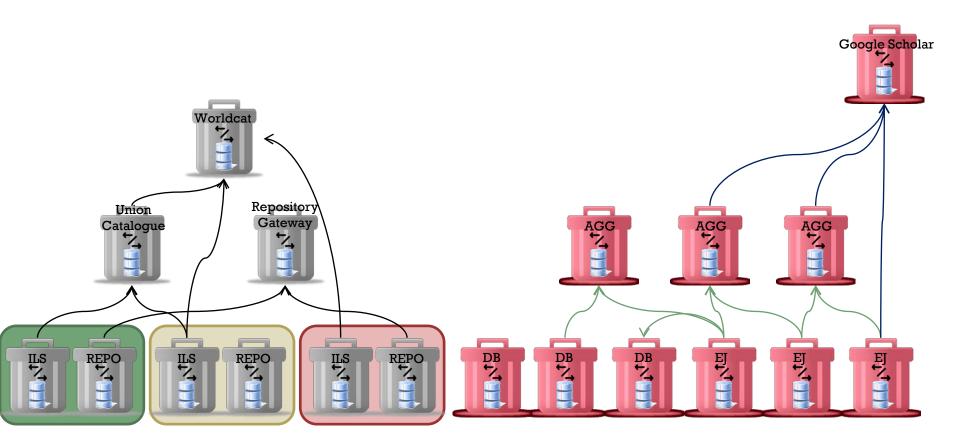
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Federated search



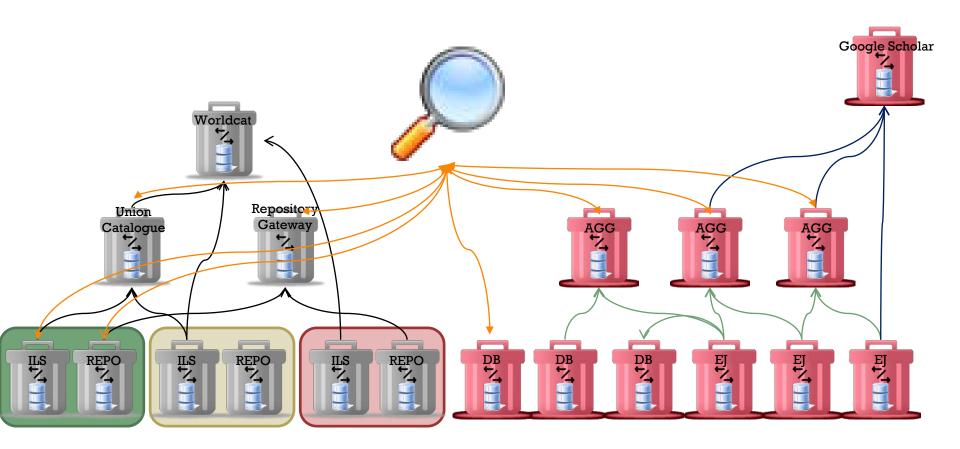
ILS = Library Catalogue
REPO = Institutional Repository
DB = Database
EJ = EJournal
AGG = Aggregation

Aggregations



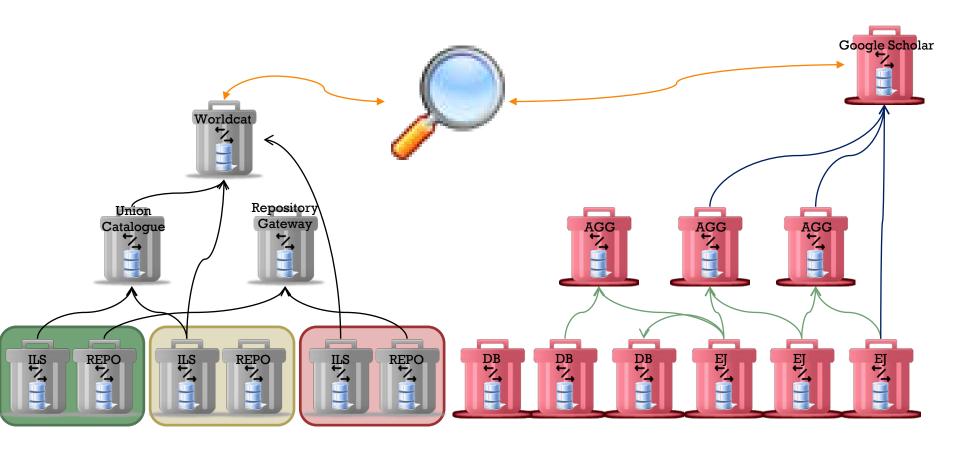
ILS = Library Catalogue
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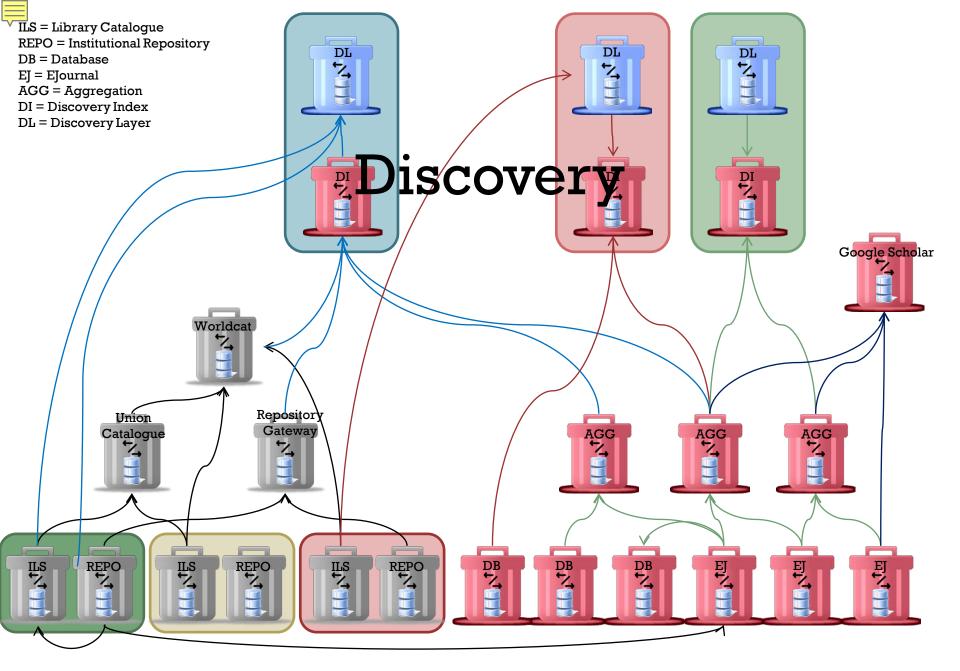
Federated search

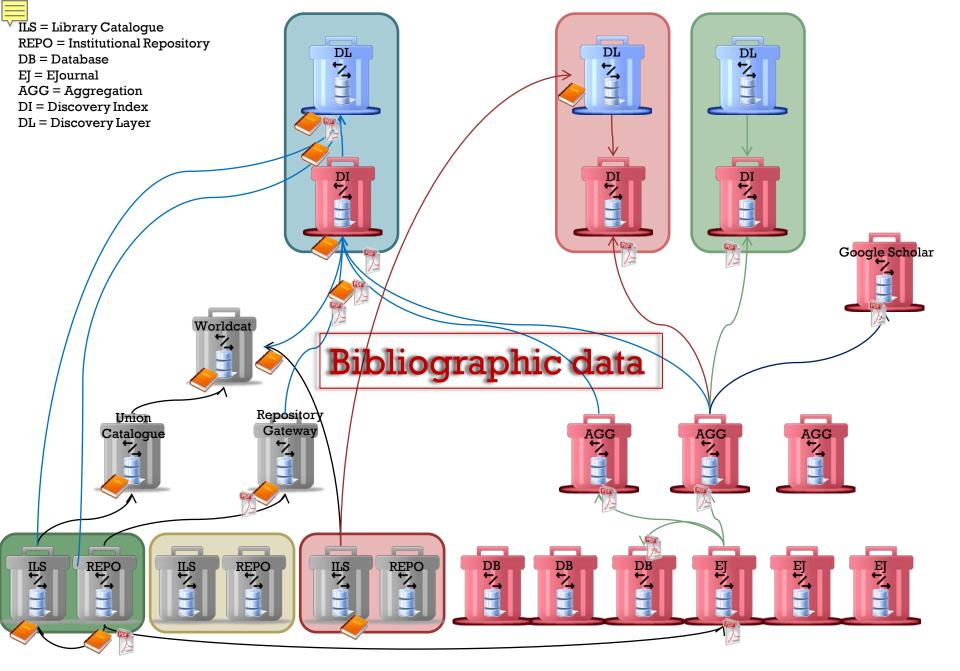


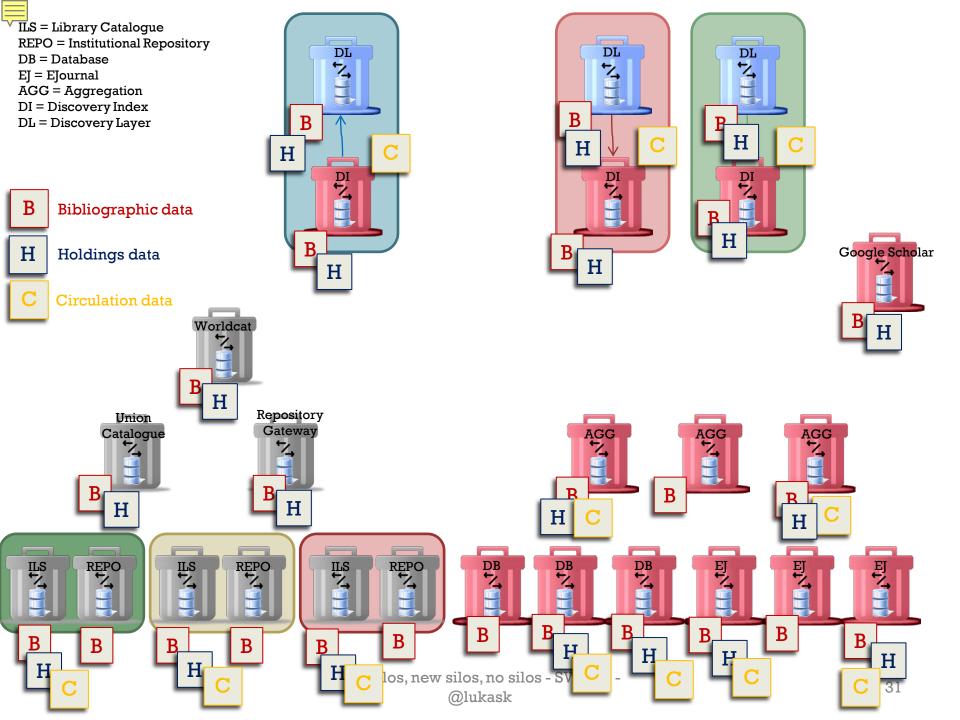
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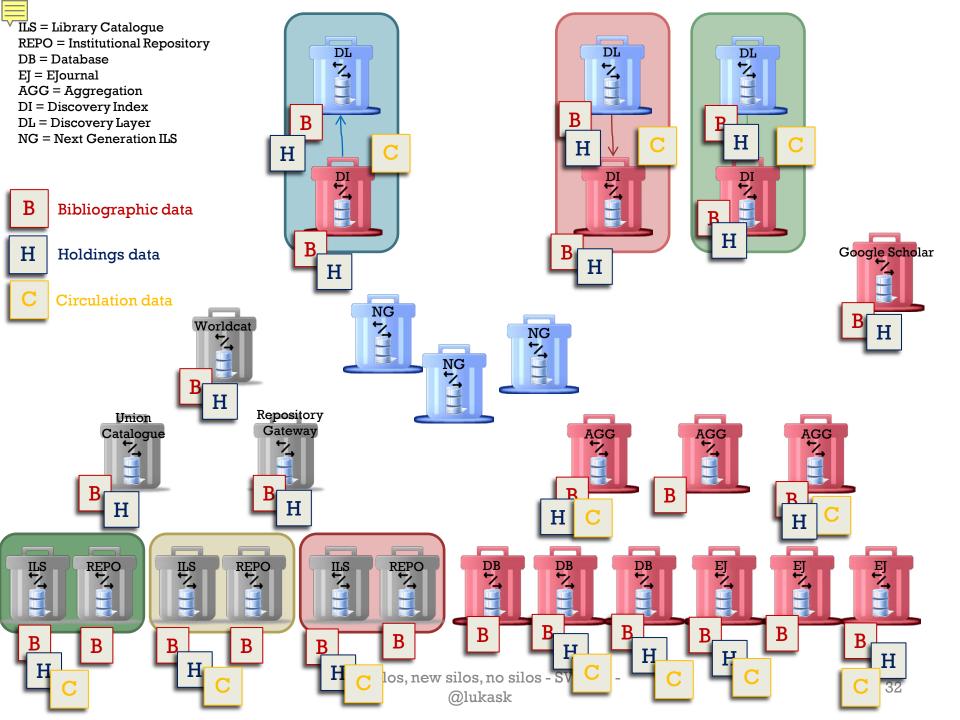
Aggregated search

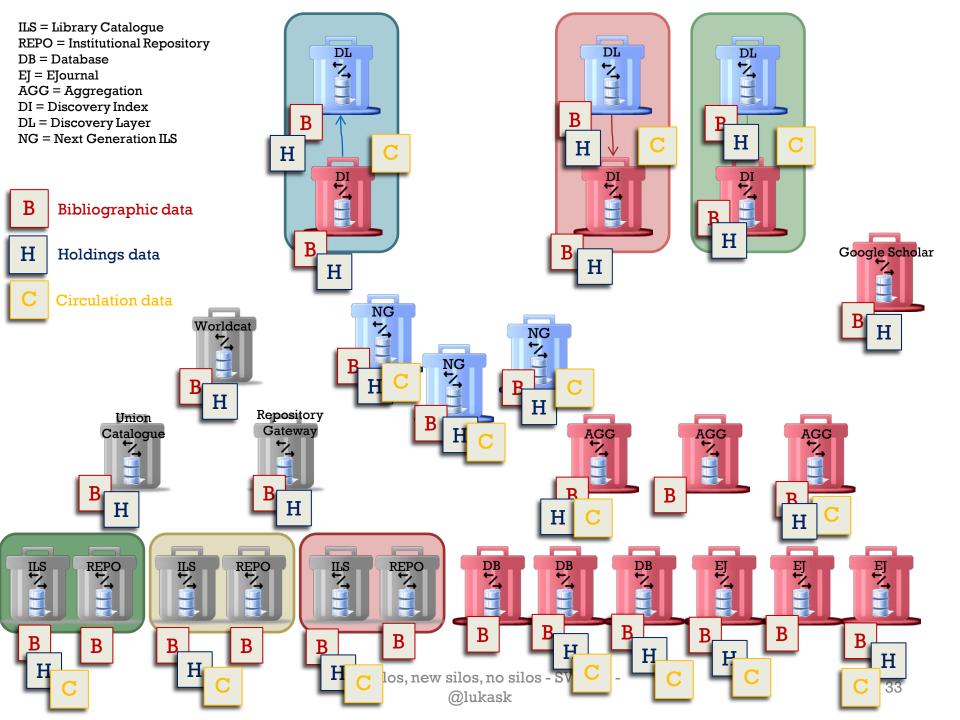


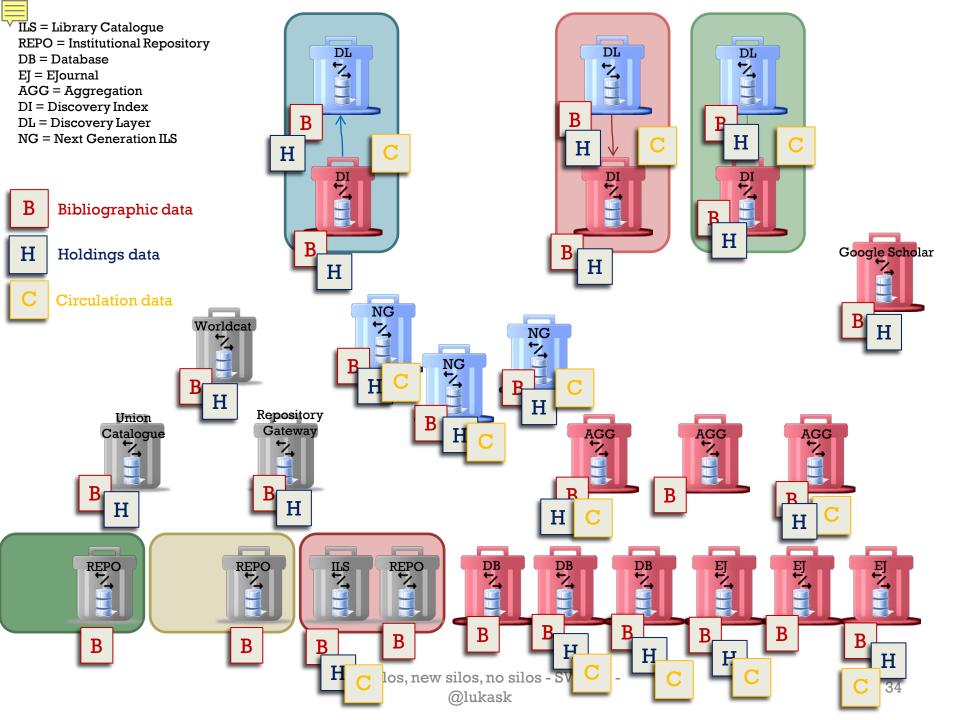
















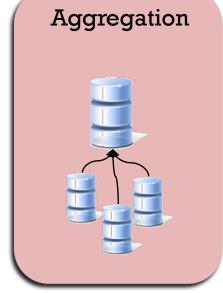
Library crisis

245 \$ a

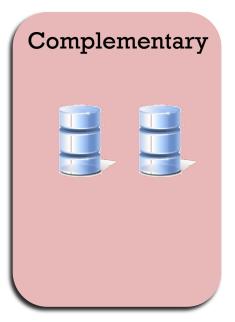


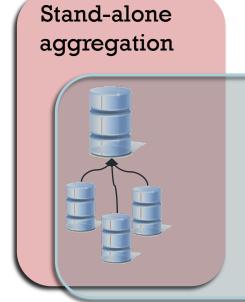


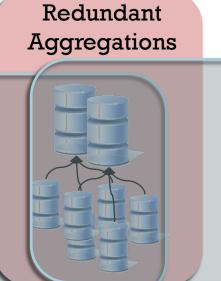


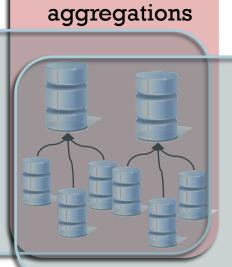




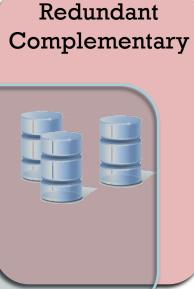








Complementary



Completely distributed



- Less redundancy
- Up to date
- Trust
- Share workload
- ...



- Redundancy risk
- Performance risk
- Persistence risk
- Inconsistent indexes
- Trust
-

http://en.wikipedia.org/wiki/Fallacies_of_Distributed_Computing



Is linked data the answer?

Karen Coyle at EMTACL12:

"The web is awash in bibliographic data"

"Most of what we would contribute would be duplication of data that already exists"

"It is library holdings that is key to providing service and furthering knowledge creation"

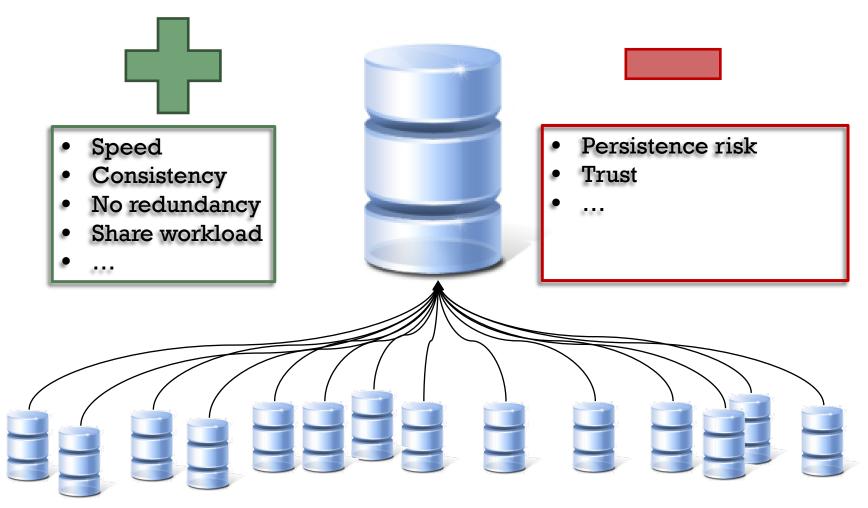




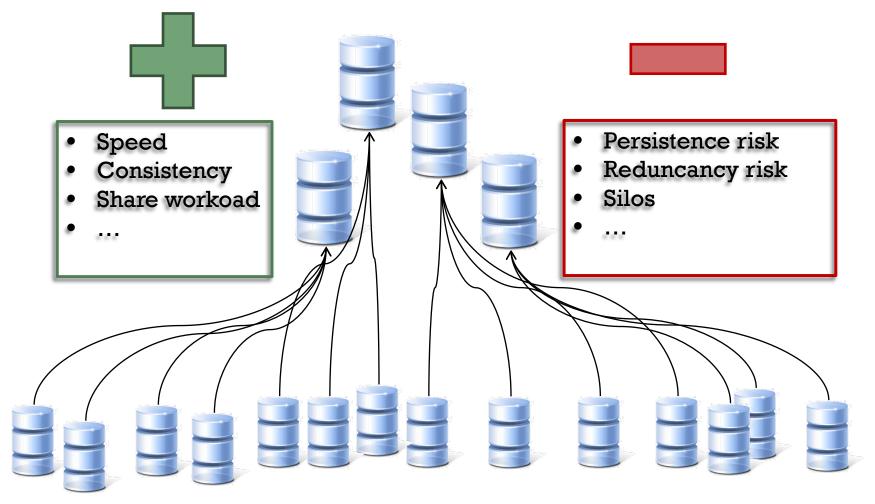
Completely centralised



Completely aggregated

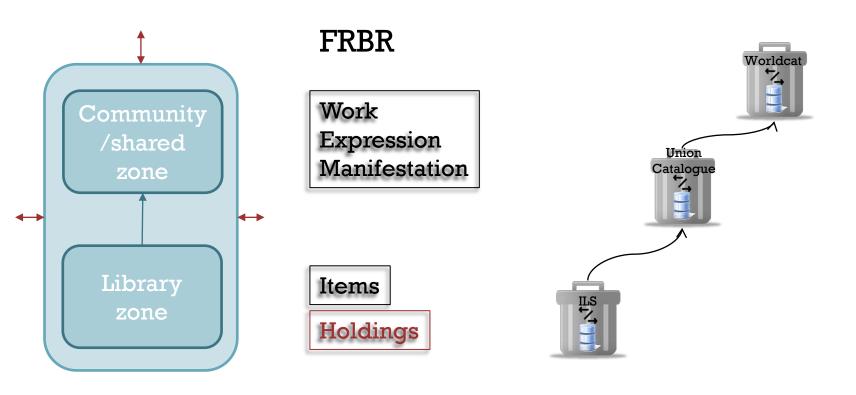


Distributed aggregation





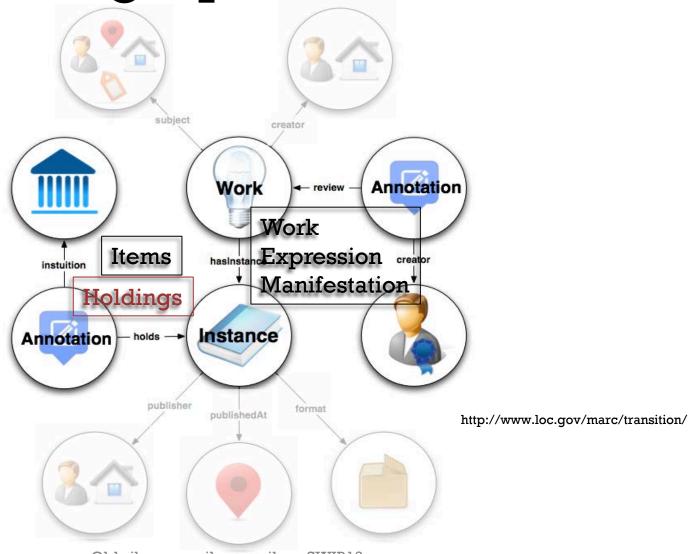
Next Generation ILS in the cloud

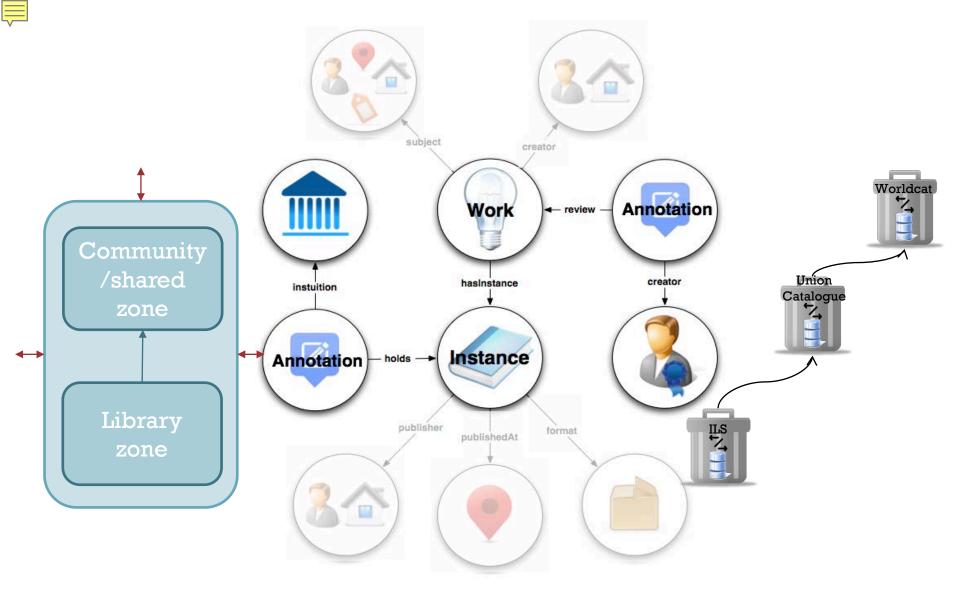


http://thoughts.care-affiliates.com/2012/10/impressions-of-new-library-service.html

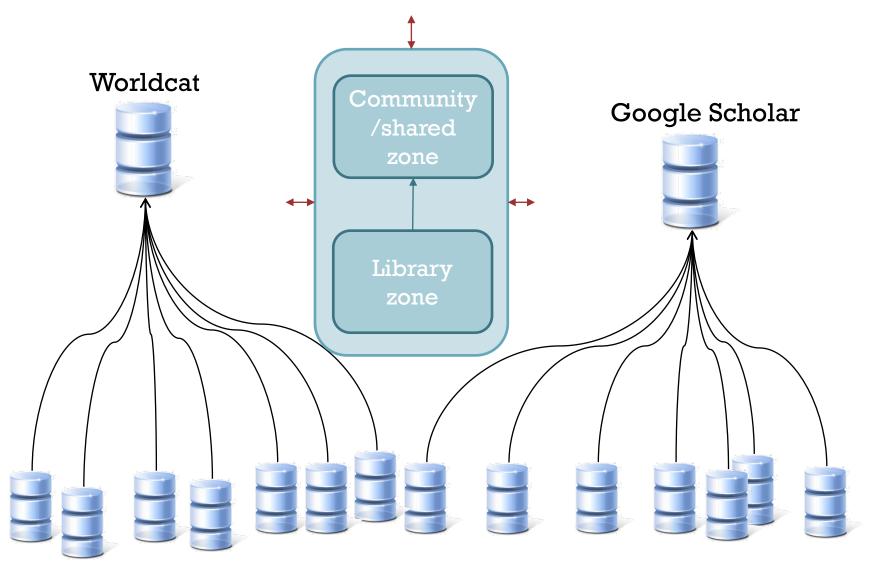


LoC Bibliographic Framework



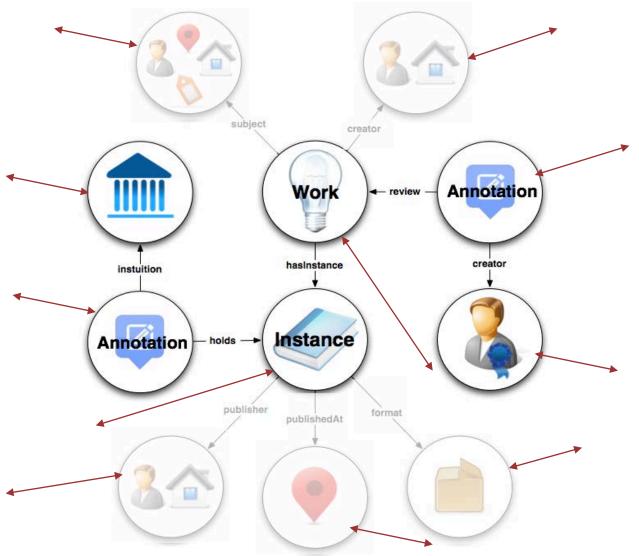








Brave new world





Library roles

- Reconsider objectives
- Shift focus
- Communicate with system vendors
- Communicate with content vendors
- Engage in framework transition
- Cooperate



Don't think systems Think data

