Adapting to a new reality.
New opportunities for library service providers

LIBIS INTO INFO

Jo Rademakers

Director

The challenge to collaborate in the digital age – Sofia, May 2015

Leuven Integrated (B)Library and Information System

- Part of KU Leuven responsible for central library automation

  Governed by a management board

- Since early 70's
- Service offer for external organisations
- 19 qualified persons

  + experts of library, archives, museums and ICT

A library network

LIBISnet

- Since 1977
- Goals
  - Optimization of services
  - Offer new advanced applications to enhance services
  - Improve quality of information
- Different types of libraries
- 33 institutions - 85 libraries
- ca 6 000 000 records
- ca 6 700 000 items
- Collaboration!!

Full service offer (Service Level Agreements)

- Functional Support
  - Complete Management
  - Migration services
  - Manuals
  - Incident management
  - Helpdesk (24/7)
  - Project management
- Technical Infrastructure
  - Redundant
  - 99,8 % availability
  - 24/7/365 monitoring
  - Service slots
  - Service packs
- Team
  - 19 persons
  - Experts in specific domains and modules
    + experts from the libraries and ICT
- Networking
  - Exchange best practices and experiences working groups
  - Advisory Board
  - LIBISnet User Group Meetings
  - Igelu, Vlengel, Advisory Boards
  - Regional, national and international projects, …
  - Accountmanagement
- Financial
  - Licenses & software
  - Hardware
  - Cataloguing
  - Staff

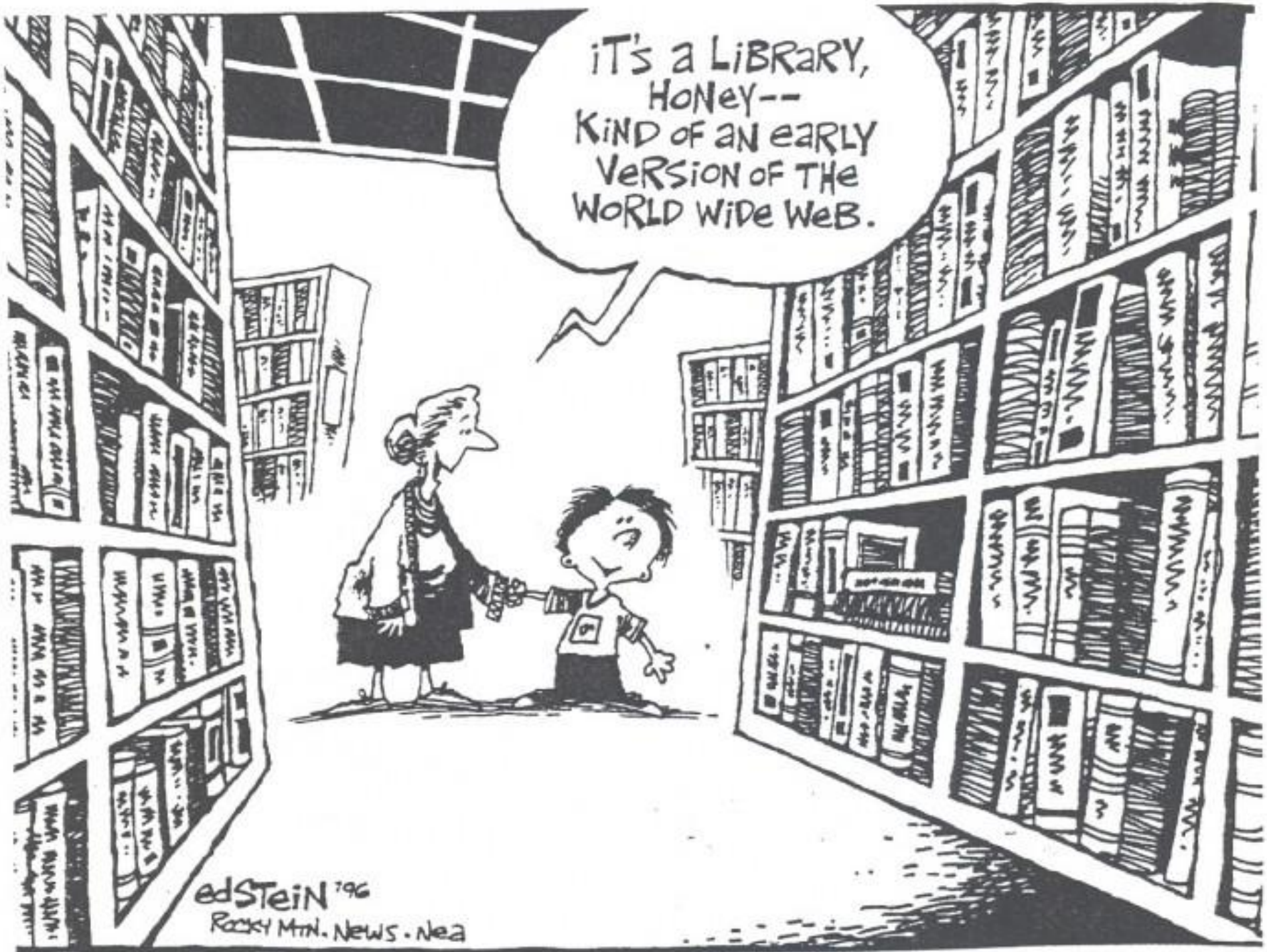
Advantages LIBISnet

- LIBIS follows closely the international standards and the developments in library automation
- LIBISnet stands for networking. The information about the collection of the library is available is part of a large catalogue increasing the visibility of the library's collection
- Cataloguing books and serials can be done by adding local information to existing records (shared cataloguing). This means an important time profit

Advantages LIBISnet

- Only limited hard- and software investments are necessary. Only a PC with internet connection is needed. LIBIS is responsible for the servers (management, back-up...).
- LIBIS staff is highly qualified and has more than 30 years of experience in supporting libraries and their users with an own helpdesk and local support if needed
- LIBIS is at the partners disposal.

  Quality of service prevails!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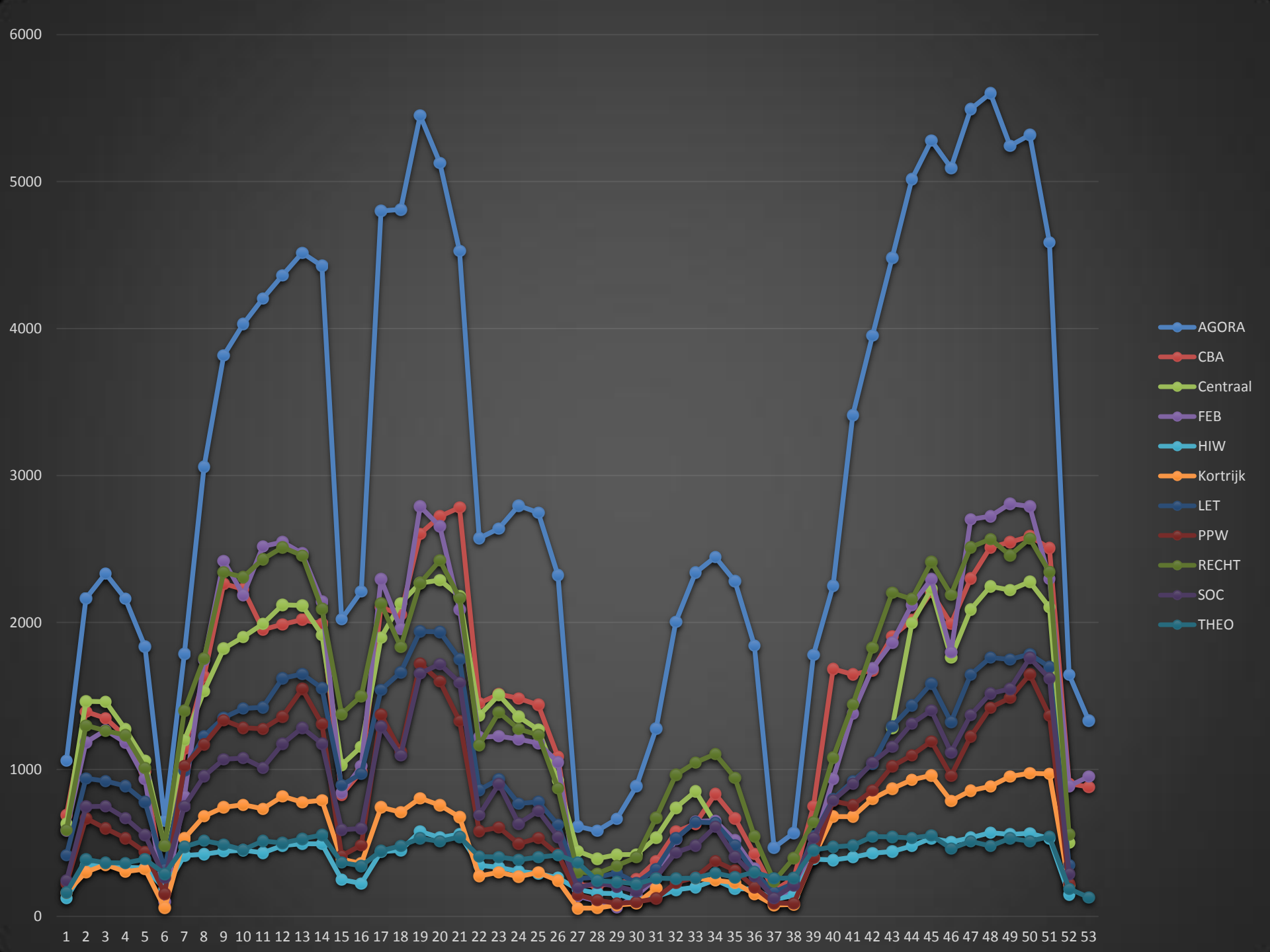
VAIO
VAIO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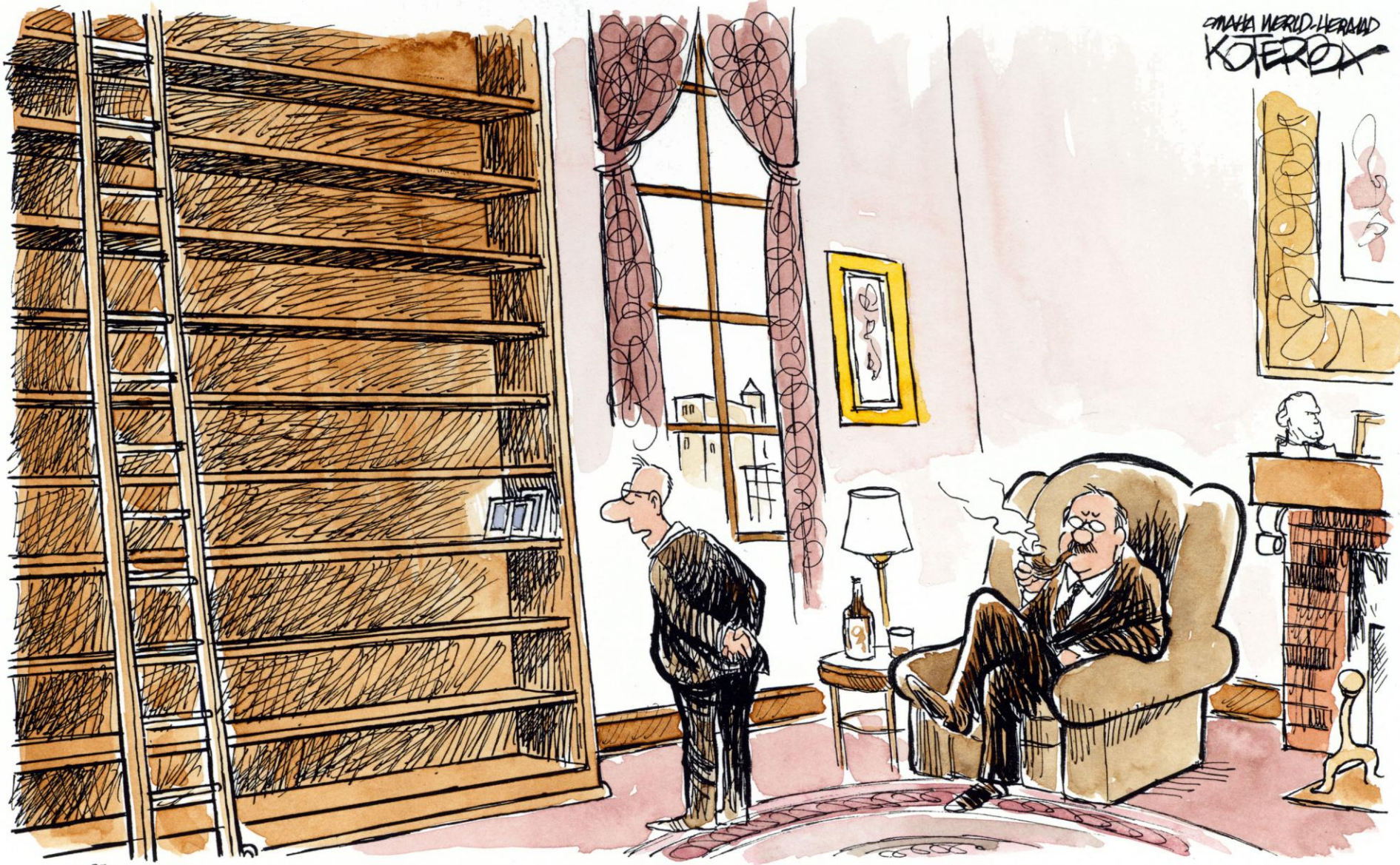
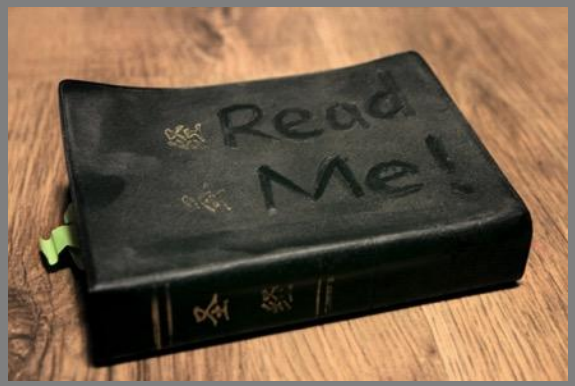


"KINDLE, NOOK, SONY READER...I SAY, HARDWICK, THIS SURE IS AN IMPRESSIVE LIBRARY."

July 30, 2010

Collection development



40%

of purchased material will never be circulated

- 2008 Annual ARL Statistical Reports
- http://www.libraryjournal.com/lj/home/890835-264/print_on_the_margins_circulation.html.csp

Embedded

- Open access
- Research management

- Publishers
- Vendors

- LMS
- Social media

Scholarly community

Suppliers

Users

Partners

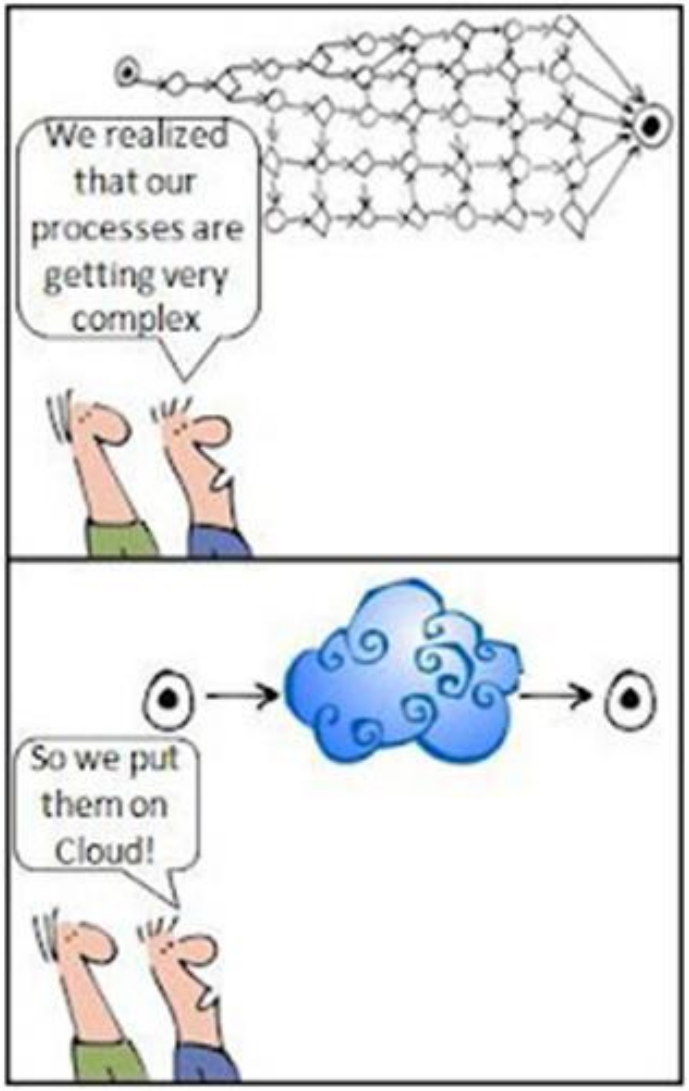
Parent organisation

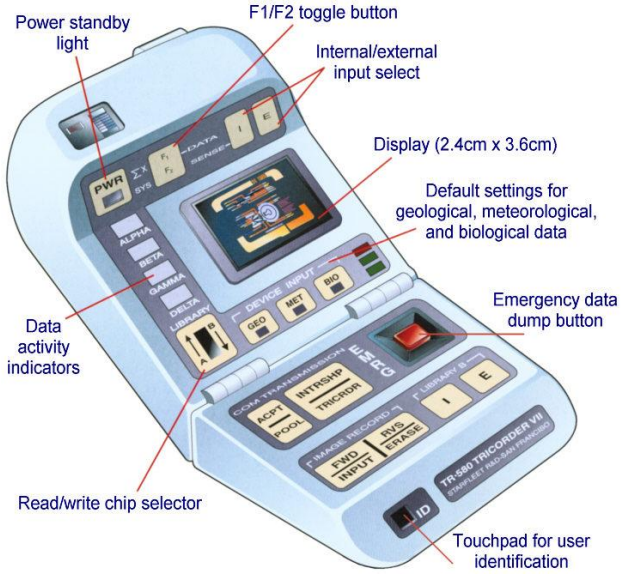
- IAM-system
- ERP-systems
- Student Information System
- Virtual Learning Environment

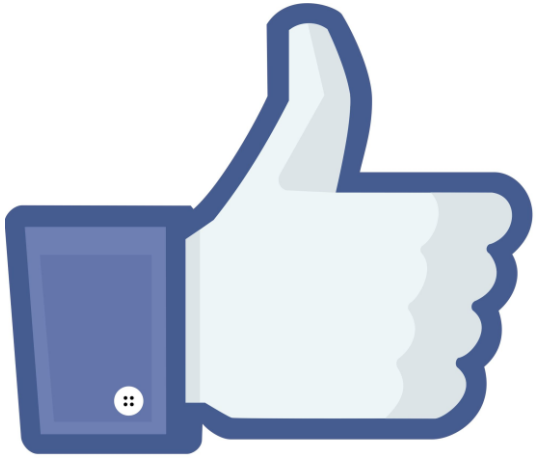
- Union catalogs

Challenges

- Other functions for the library *building*
- Shift from P to E/D
- Out-dated processes
- Budget cuts > efficiencies
- Researchers and students have new expectations
  - Research data
  - Digital preservation
  - Support publishing
  - Digital humanities
  - Reading lists
  - …
- Net-generation
- There is a world outside
- …


We realized that our processes are getting very complex
So we put them on Cloud!


Power standby light
F1/F2 toggle button
Internal/external input select
Display (2.4cm x 3.6cm)
Default settings for geological, meteorological, and biological data
Emergency data dump button
Data activity indicators
Read/write chip selector
Touchpad for user identification

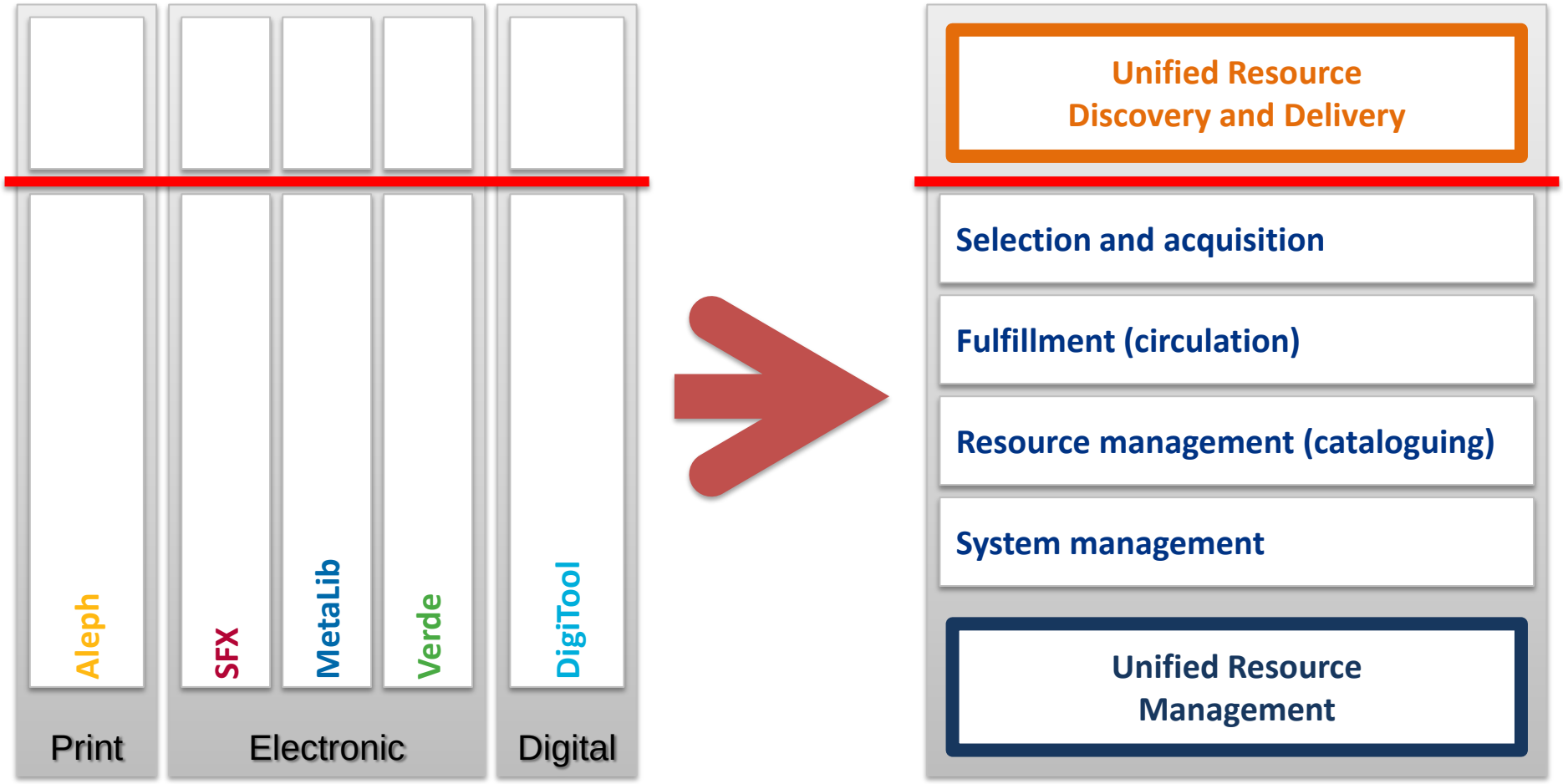


MULTI-DIMENSIONAL FICTION
IT WAS THE BEST OF TIMES...
BOOKPILLS
50 SHADES OF GREY
FINNEGANS WAKE
JAMIE'S 15-MINUTE MEALS
LIBRARIES OF THE FUTURE
ROBOT LIBRARIANS
HOLOGRAPHIC AUDIOBOOKS
NANOBOOKS
NANOLIBRARIAN
I'M OVERDUE. PLEASE TAKE ME BACK TO THE LIBRARY.
SENTIENT BOOKS
TOM GAULD

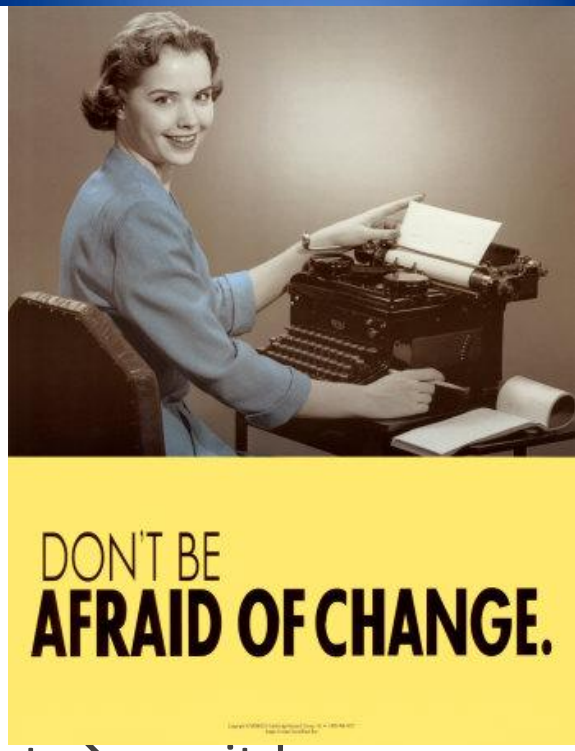
Strategic priorities

- Support the paradigm shift in libraries, archives and museums
- Increase Interoperability, integration and application of the systems
- Center of expertise and innovation

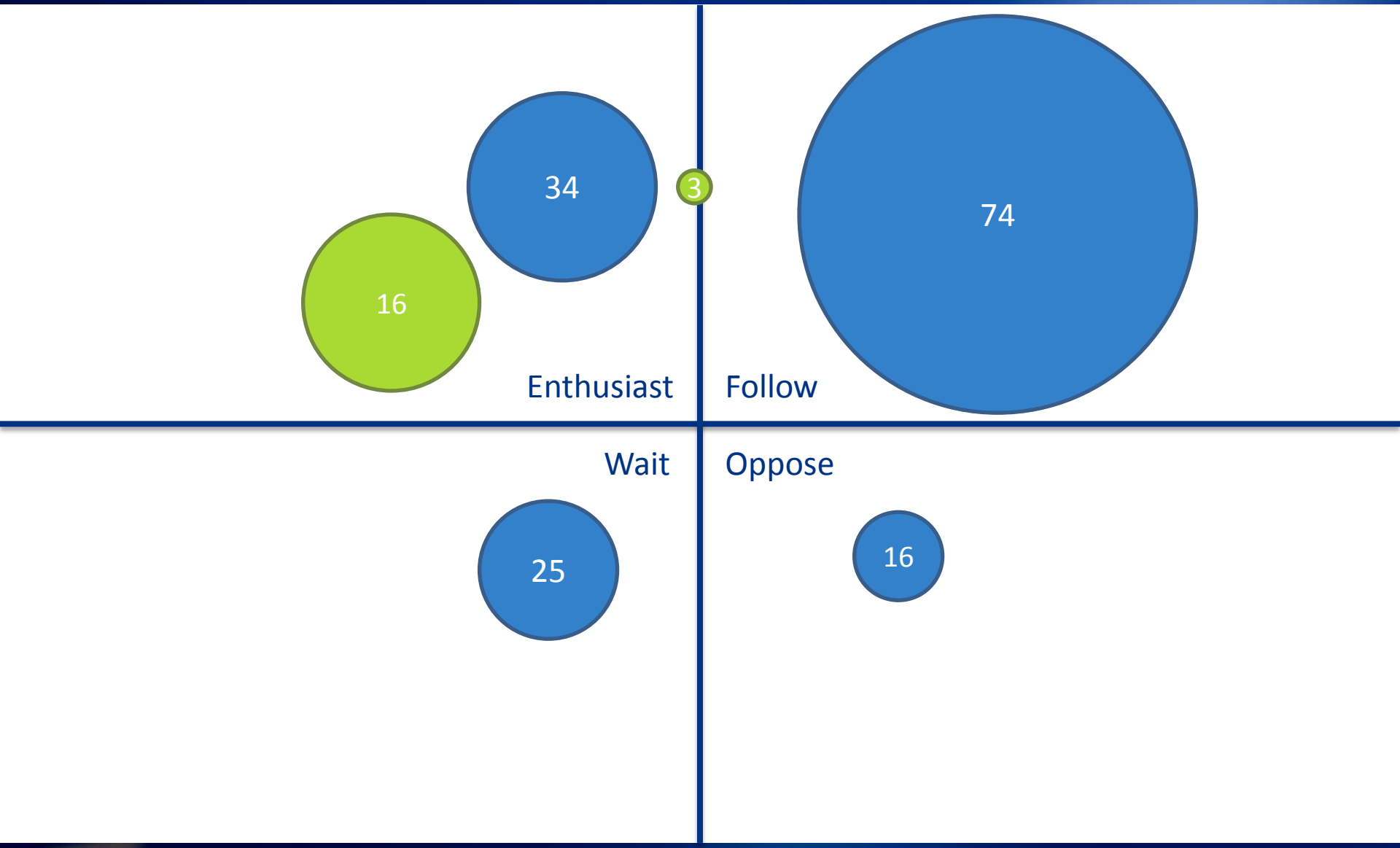
Support the paradigm shift…



Our approach

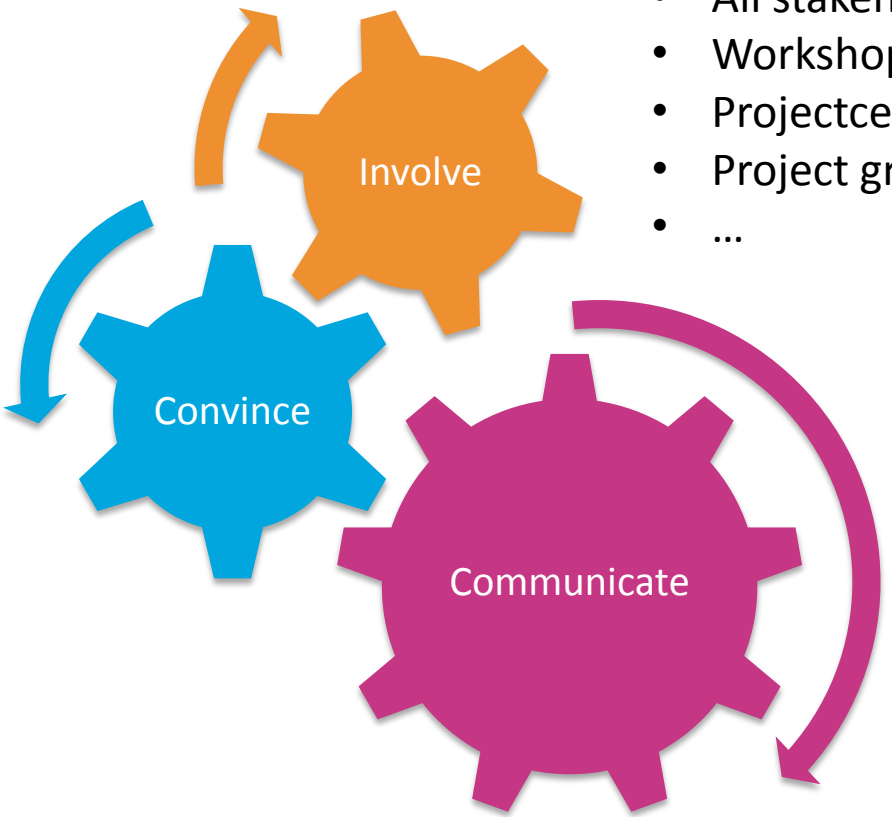


- Not a technology project…
- But an organisational project
  - Change Electronic resources now dominant
  - Change just in case → just in time
  - **Change** Patron driven acquisition
  - **Change** Ownership → Access
  - **Change** Metadata almost always already exist → use it !
- Use the implementation of Alma as a tool to implement *change awareness*
- Take away worries
  - IT-people, cataloguers...


34
3
74
16
Enthusiast
Follow
Wait
Oppose
25
16

Our approach

- All stakeholders
- Workshops
- Projectcel
- Project groups
- …



- Demonstrations
- Analysis
- Quality and performance
- Go / No Go decision list
- …

- Demonstrations
- Website / Blog
- Newsletter
- Conferences
- Board meetings
- …

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Our approach

JUMP!!!

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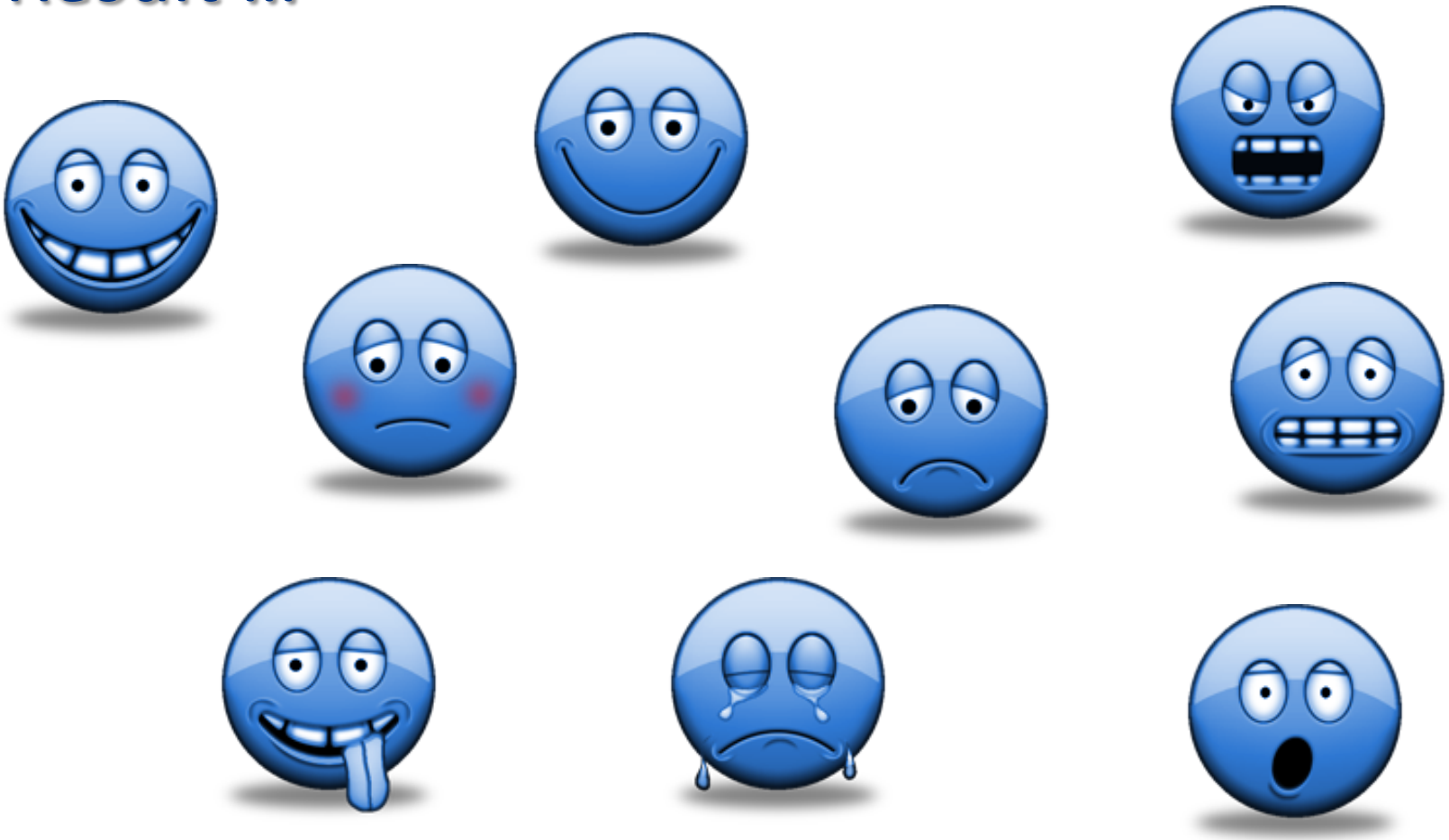
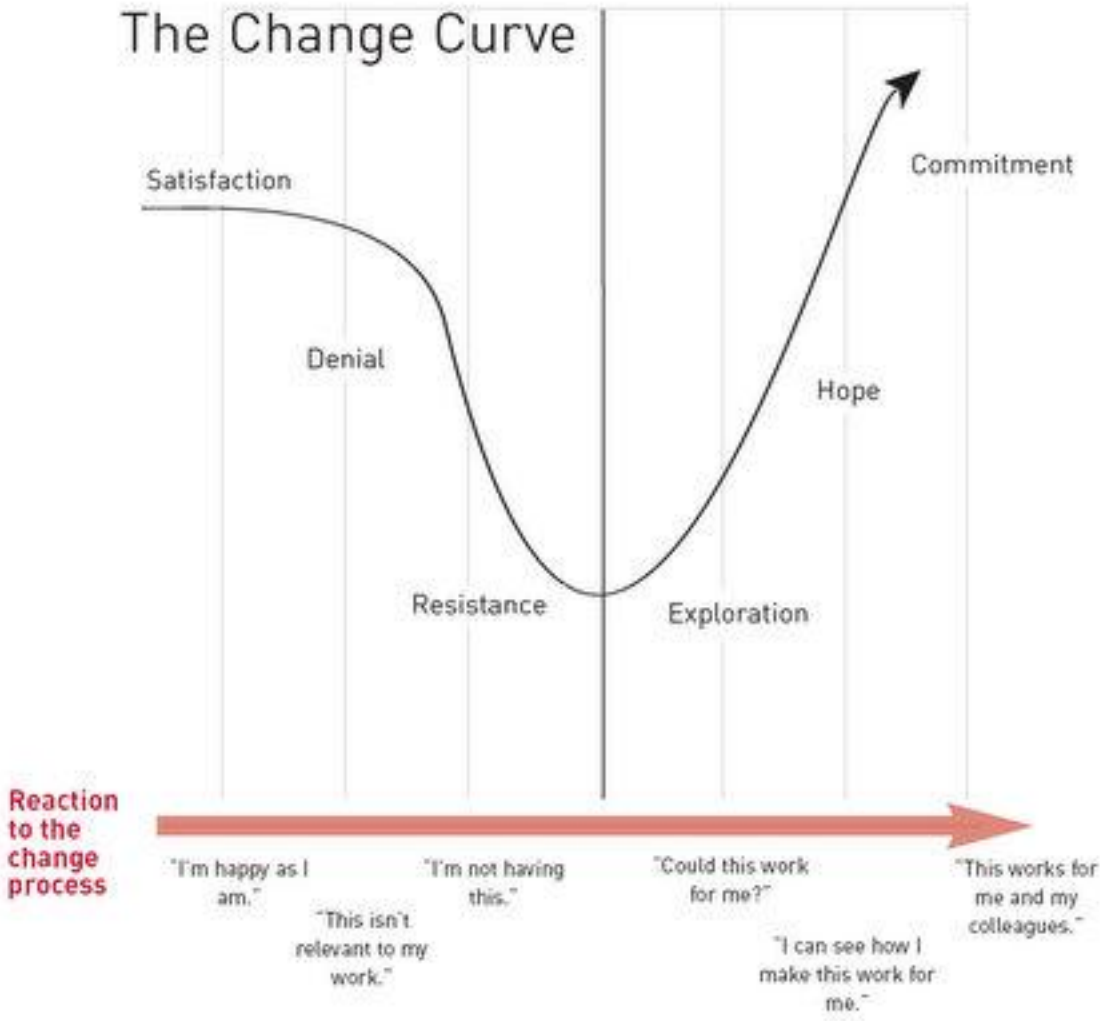
Result …





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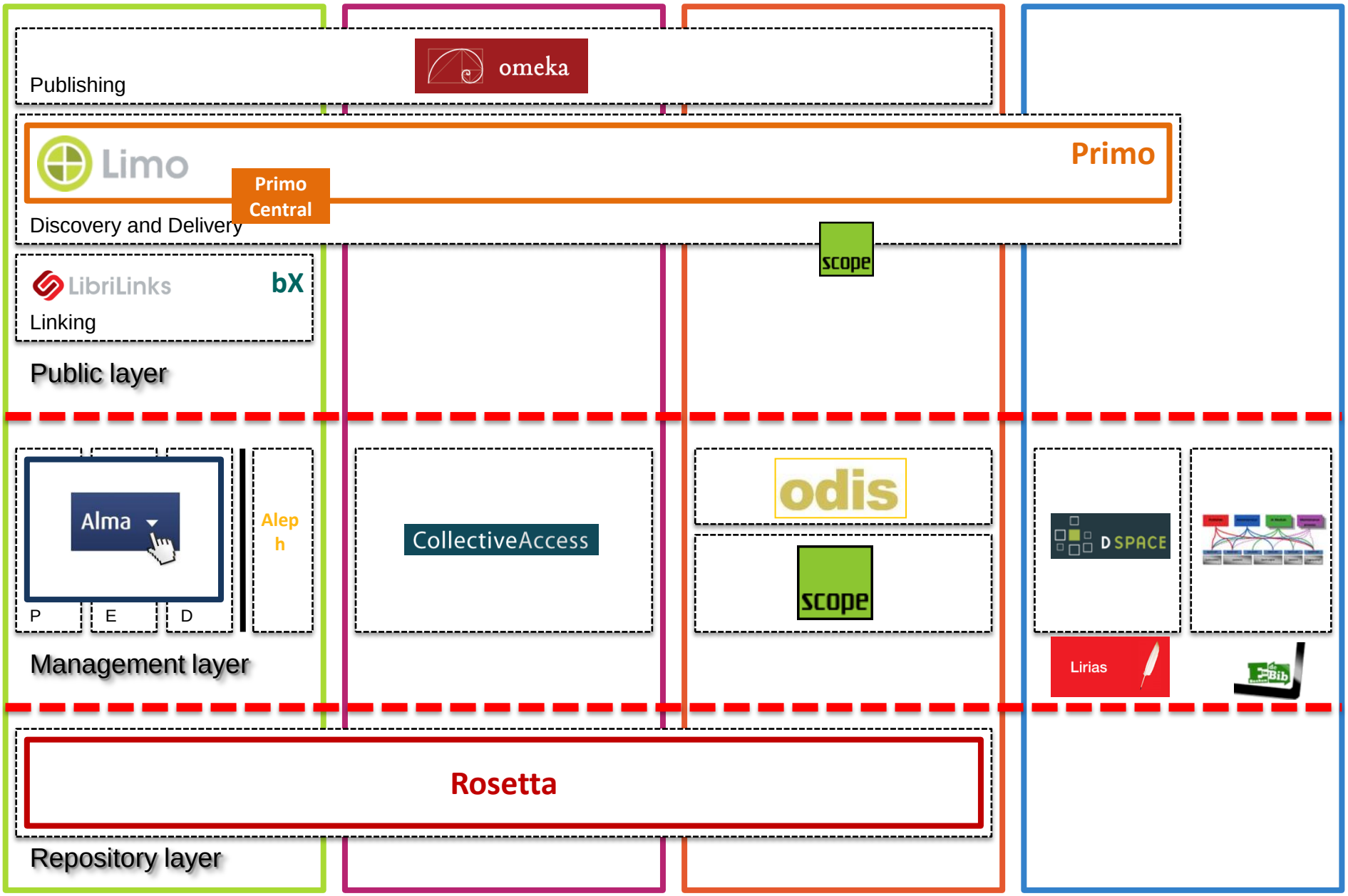
Interoperability, integration and application

- Cross domain use of applications
- Mobile
- Analytics
- Integration with other institutional systems
- Ease of use
- Automation of processes
- …



LIBISnet SMART LIBRARIES

Heron OPENING DOORS

Lias ARCHIVES TODAY

LIBIS ROOM FOR THOUGHT

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ExLibris PRIMO v5.0.0-alpha.1

Sugar plantations | Alma University | SEARCH

Results 1 - 16 of 42,223, sorted by Relevance

1
ARTICLE

A Sour Taste on the Sugar plantations
Cohen, Jon
Science, 28 July 2006, Vol.313(5786), pp.473-475
“... proportionately concentrated. Originally built to house workers from Haiti on the sugar cane plantations, bateyes have become shantytowns largely filled with ...”
Available full text online

2
JOURNAL

Bioaccessible arsenic in soils of former Sugar cane plantations, Island of Hawaii
Cutler, William G. ; Brewer, Roger C. ; El-Kadi, Aly ; Hue, Nguyen V. ; Niemeyer, Patrick G. ; Peard, John ; Ray, Chittaranjan
Science of the Total Environment, 2013, Vol.442, pp.177-188 [Peer Reviewed Journal]
Available full text online

3
BOOK

Sugar plantations Masters: Planters and Slaves in Louisiana's Cane World, 1820-1860
Rolf Knight
Toronto, Ont., Canada : Dept. of Anthropology, University of Toronto 1972
Available full text online

4

Sugar - A bittersweet history
Abbott, Elizabeth
London; New York: Duckworth Overlook, 2009, x, 453 p.: ill.; 25 cm., English

Refine the search

Availability
In the library ~ 11
Full text online ~ 15,306
Peer reviewed ~ 7,252
MORE

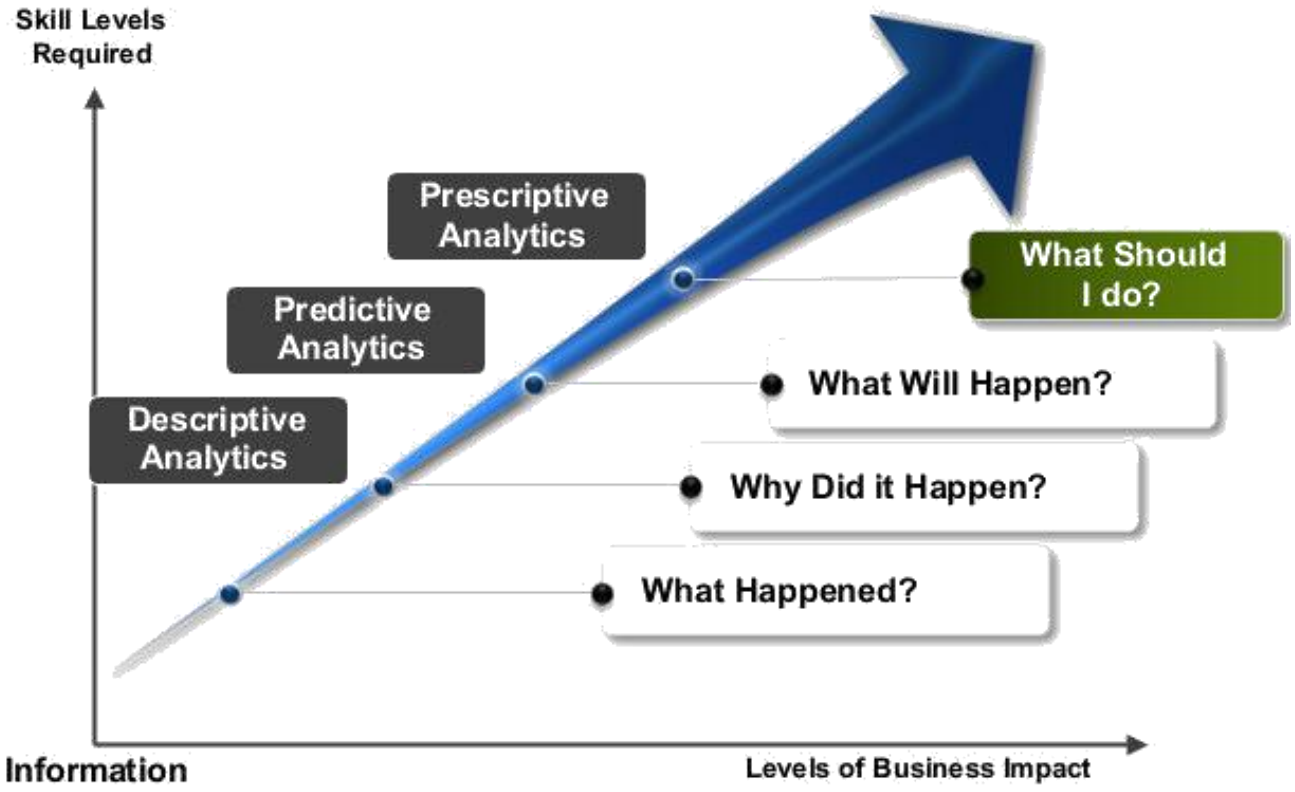
Resource Type
Articles ~ 12,477
Newspapers ~ 4,142
Books ~ 3,070
MORE

Topic
EXPAND

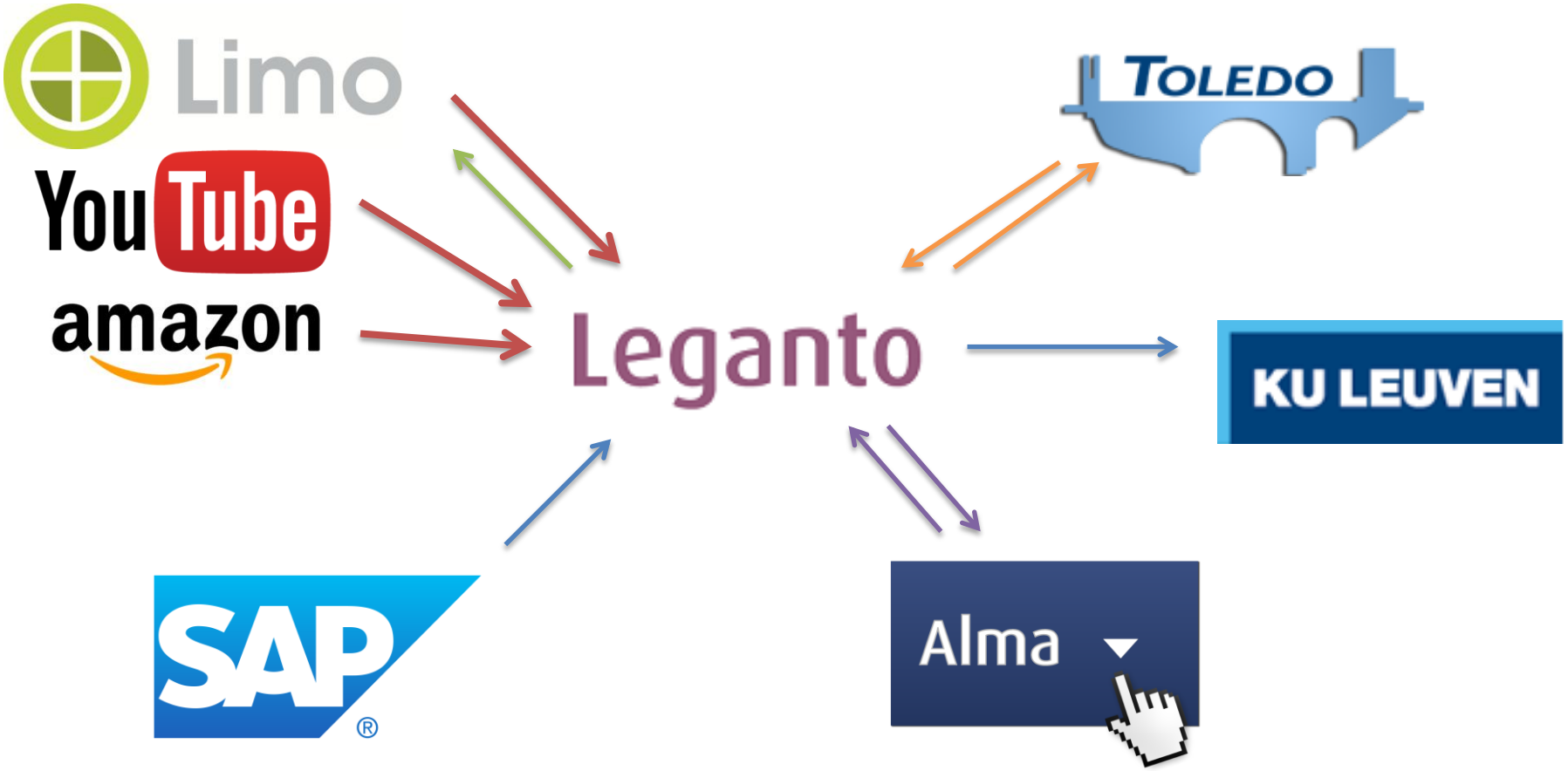
Creator
EXPAND

Collection

Analytics


Skill Levels Required
Prescriptive Analytics
Predictive Analytics
Descriptive Analytics
What Should I do?
What Will Happen?
Why Did it Happen?
What Happened?
Information
Levels of Business Impact

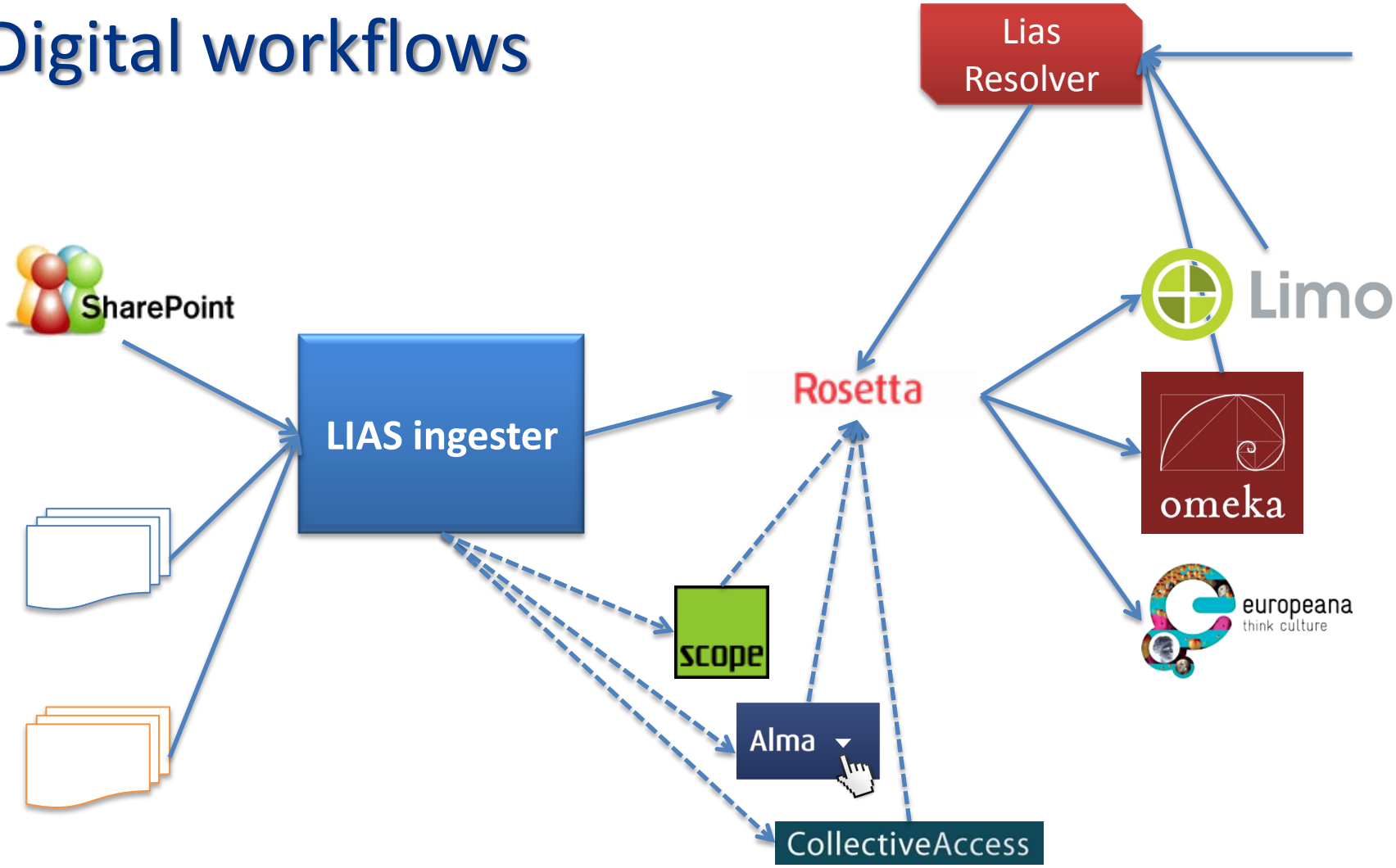
Working together on reading lists



© KMKG-MRAH

Stempelzegel met hert @carmentis (9/15)

Digital workflows



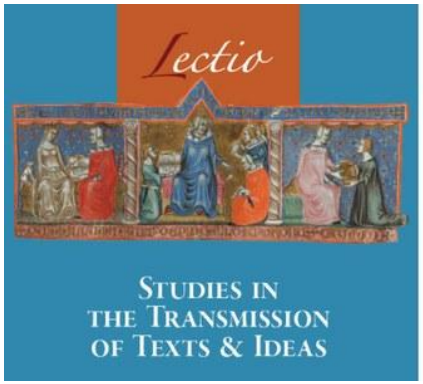
Center of expertise and innovation

- Research databases
- Metadata and ontology modeling
- Specialized viewers
- OCR & NER
- Data interoperability
- Ingest, long-term preservation & accessibility
- End-user engagement (crowdsourcing / citizen science)
- Project concepts and management
- …

R&D projects

ALAMIRE FOUNDATION

NABUCCO



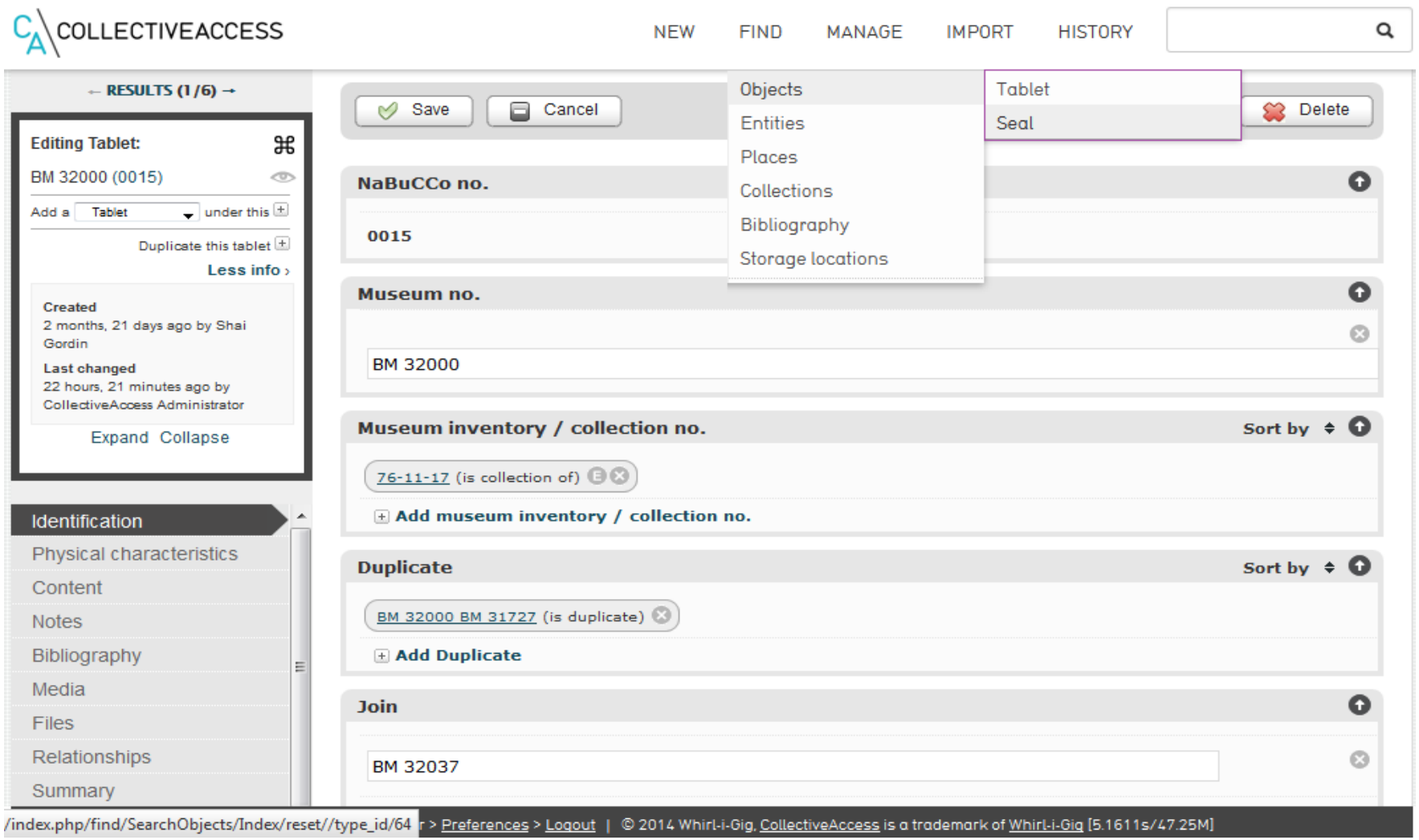
Faculteit Theologie en Religiewetenschappen

Abdijbibliothecarissen, de laatste Getuigen

E-SPACE

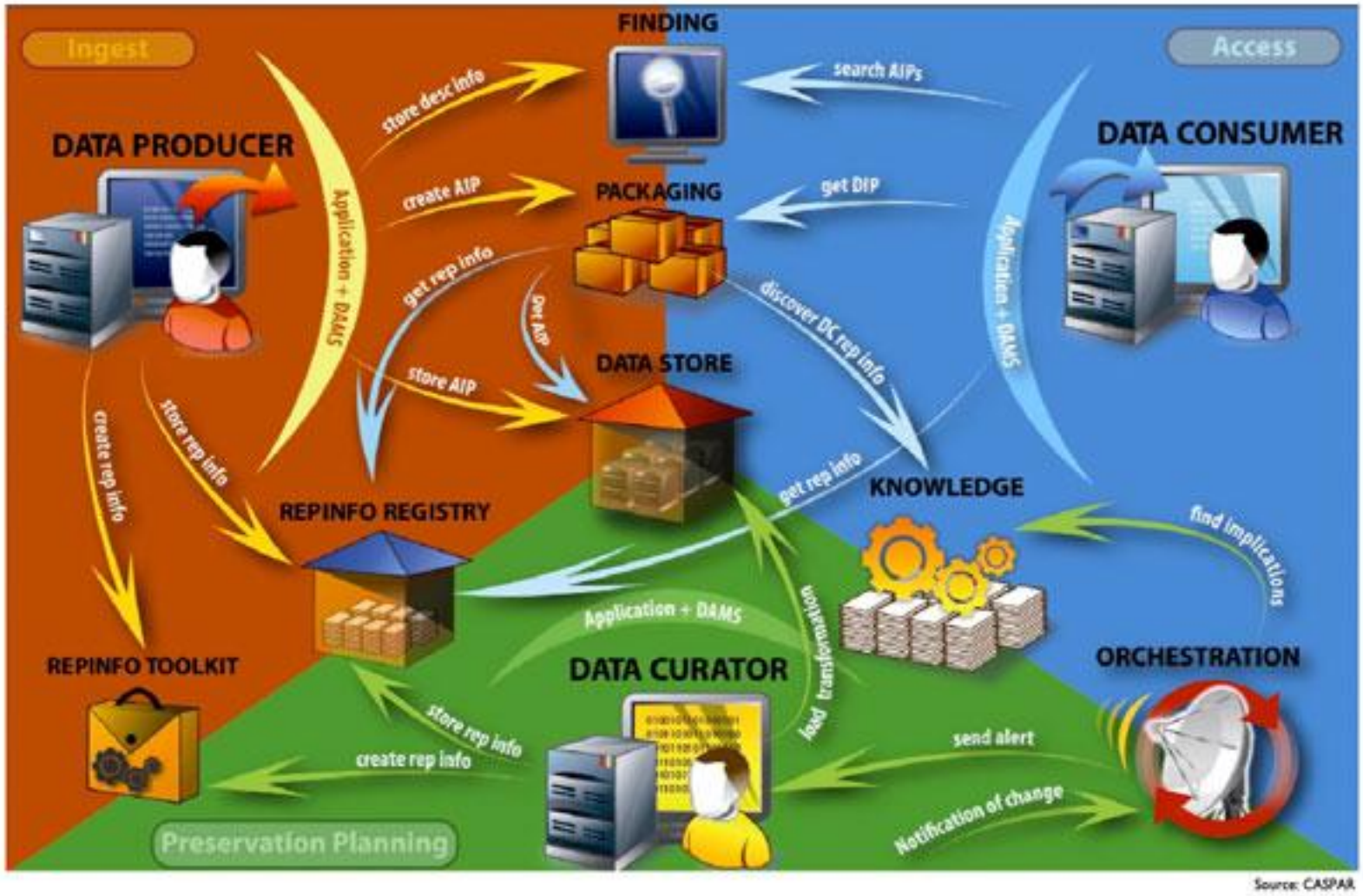
CIVIC EPISTEMOLOGIES

europeana inside



NaBuCCo research database

Fase 1 released end of 2014
Fase 2 under preparation



Source: CASPAR

Preservation: The Big Picture

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depot.lias.be/delivery/DeliveryManagerServlet?change_lng=en&dps_custom_att_1=staff&dps_pid=IE2615429

Search

Filter objects...

Add new item from URL

http://...

repoImg

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Bookmark Options Switch Workspace

Veridicvs christianvs

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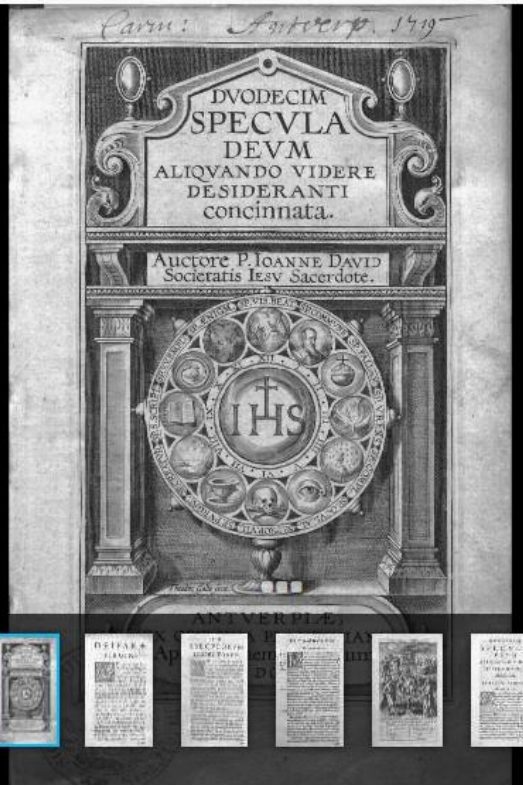

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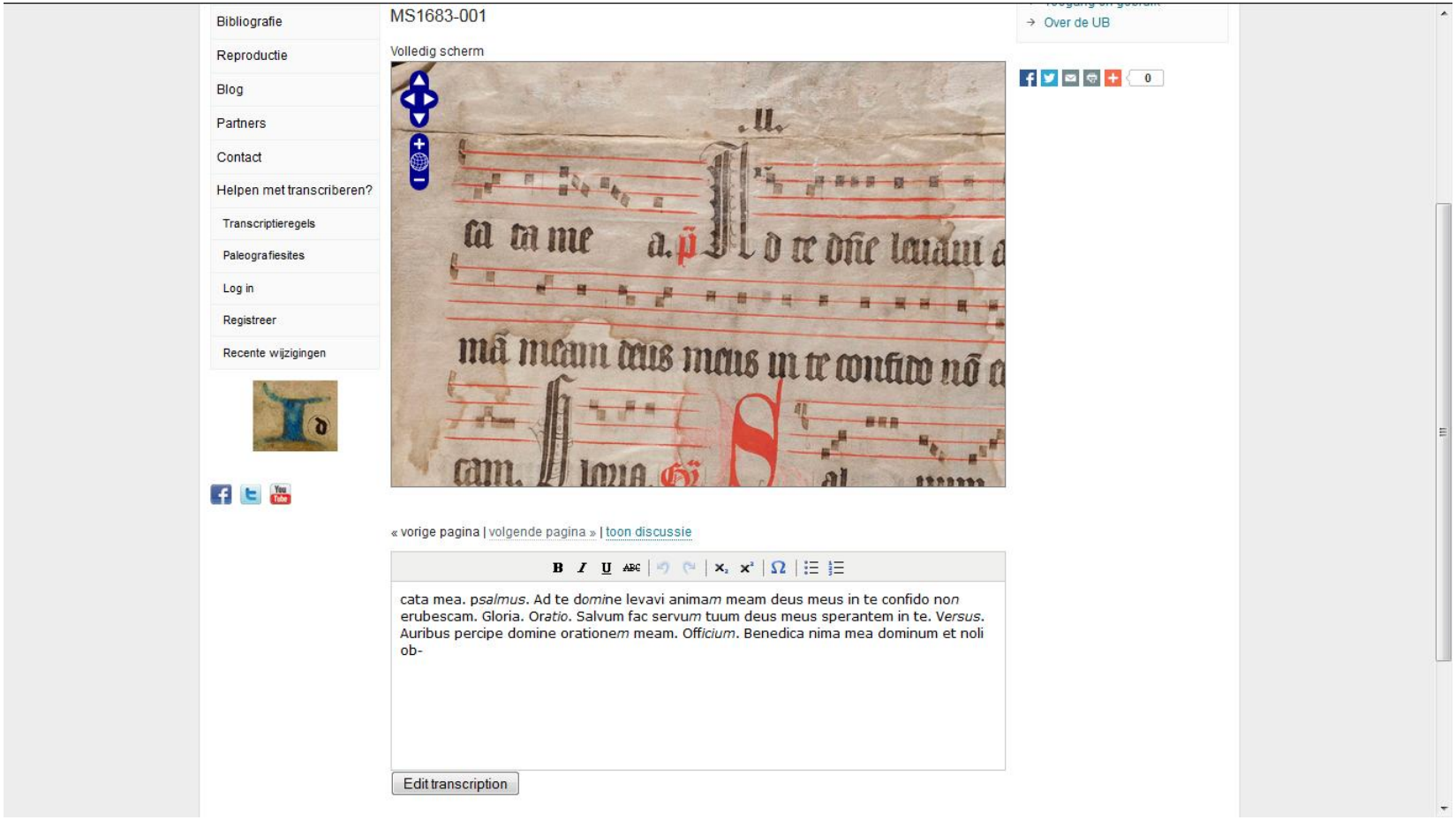
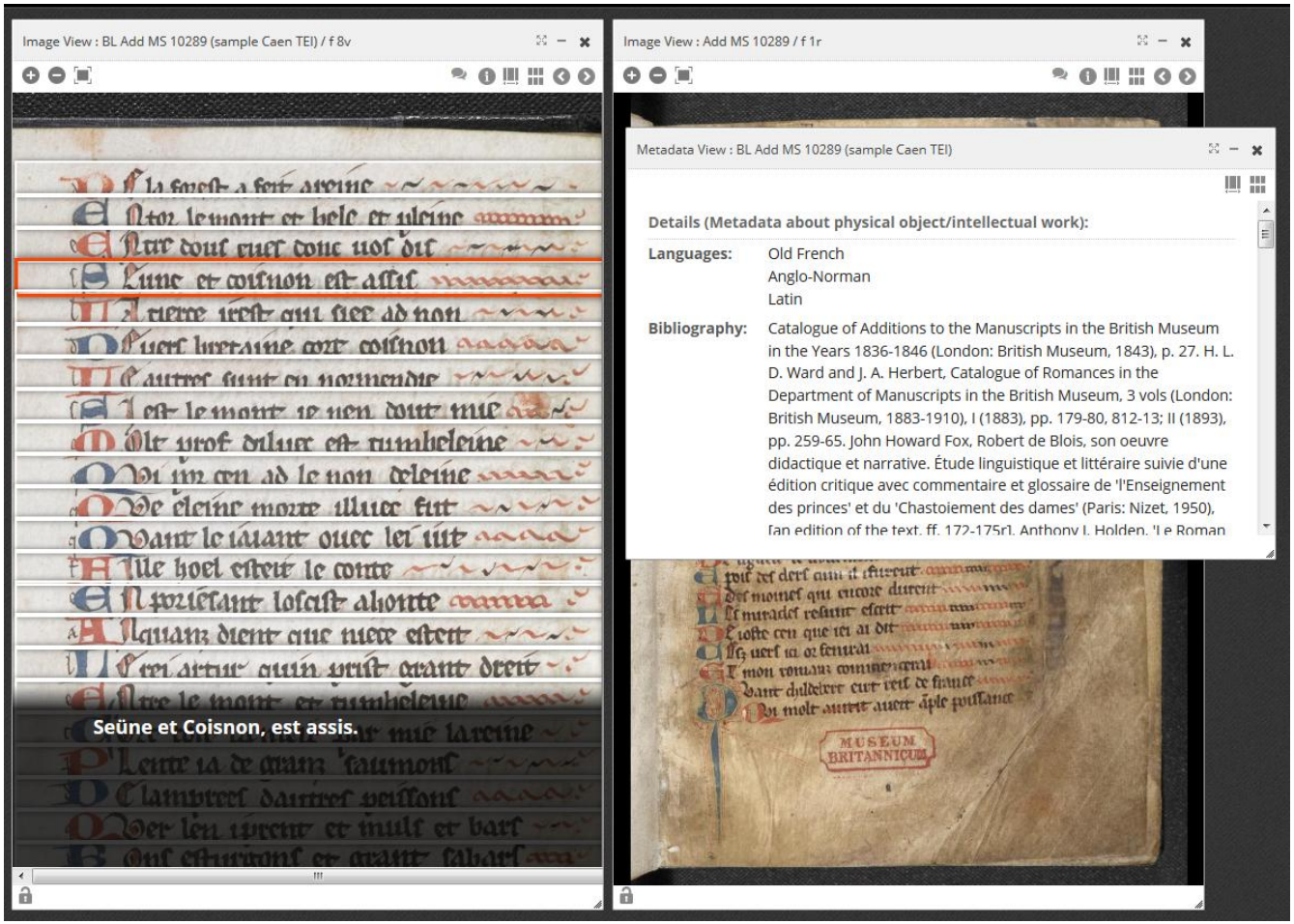
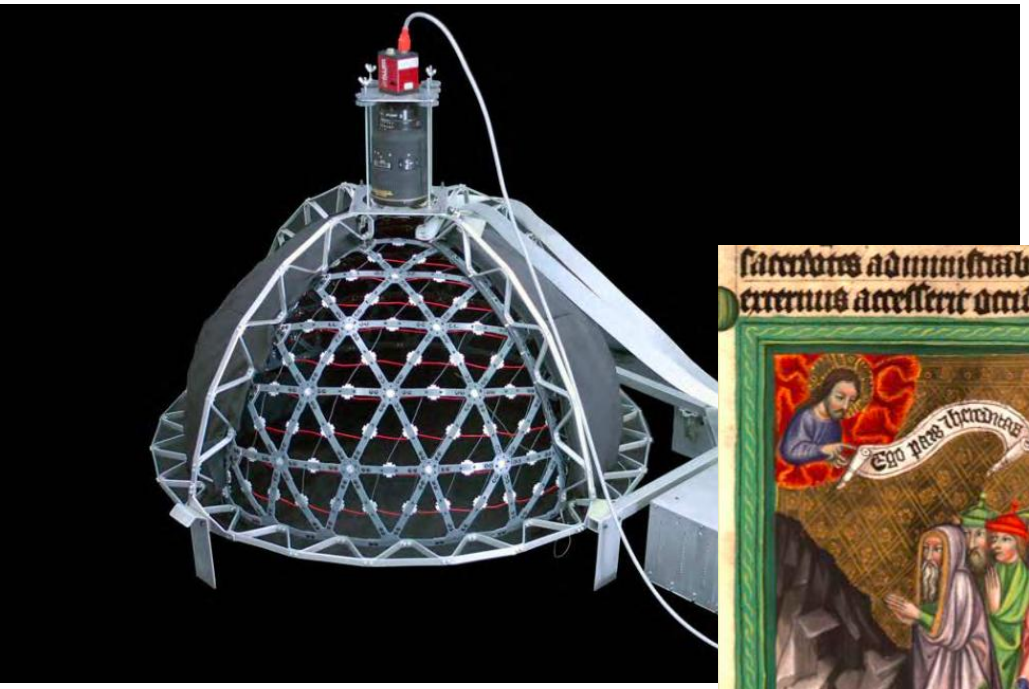
User involvement



Visualization of transcriptions





Ego pars hereditas

Proposal phase

- Consortium Brainstorm sessions
- Requirements analysis
- Proposal writing
- Partnership suggestion
- …

Project phase

- Project management
- Detailed functional requirements
- Digitisation & scientific imaging
- Configuration
- Design and development
- Training
- …

Operation phase

- Full service offer (SLA): support, upgrades, consultancy …
- Long-term preservation of content and research data
- Follow up of technical evolutions
- …

Digitisation & scientific imaging

- 2D & 3D photography
- Multispectral imaging
- Optimal Character Recognition (OCR)
- Named Entity Recognition (NER)
- Metadating
- …

Data modeling and interoperability

- Research databases
- Advice and implementation of data standards
- Ontology modelling
- Collaboration workflows
- Data mapping and transformation tools
- …

Ingest, preservation and accessibility

- Upload tools
- Conformance checkers
- Preservation actions
- Creation of digital representations
- IPR
- Access control & watermarking
- Specialized viewers
- …

Publication and end-user engagement

- Websites
- Transcription tools
- Crowd-sourcing tools
- Data interoperability (JSON, XML, RDF …) and exchange (API, OAI-PMH …)
- Linked Data publication
- Semantic enrichment
- …

Digitisation infrastructure:

- Nikon D3x, Nikon D800, Phase One IQ180
- Microdome (RICH-project)
- Conservation Book Cradle
- Qidenus Smart Book Scan
- …

Data management infrastructure:

- Specialised software (Alma, Scope, CollectiveAccess)
- Data modeling (CIDOC-CRM, SKOS, FRBRoo, …)
- Custom database development (Oracle)
- …

Data preservation infrastructure:

- LIAS / Rosetta
- Mirador viewer (IIIF – IIP server), Mets viewer …
- …

Data publication infrastructure:

- Omeka
- Apps
- API's
- Data stores
- …

LIBIS
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Our philosophy

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Information

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