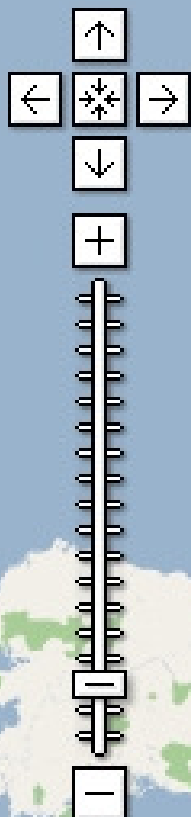


Associação dos Arquivistas Brasileiros
XV Congresso - Goiânia 2008

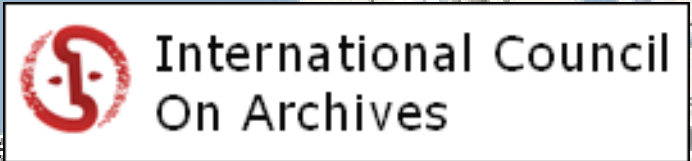
The ICA-AtoM Project and Open Source Software for Archives

Peter Van Garderen





Map Satellite Hybrid



Presentation Overview

- ◇ ICA-AtoM Software Demonstration
- ◇ What is Open Source Software?
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 - ◇ Pros and Cons
 - ◇ Examples
- ◇ More About the ICA-AtoM Project
- ◇ ICA-AtoM Future Directions
 - ◇ Web 2.0
 - ◇ Digital Preservation

ICA-Atom - open source archival description software - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://amos.artefactual.com/~richard/qubit/web/informationobject/shc

english | español | français | Nederlands | português

home | about | help | default administrator profile | log out

ICAAtom

beta

add/edit translate admin

archival description authority file archival institution term

View archival description

File - Job no. 575 : owner Standard Stations Ltd., station #2 B.C., Georgia & Main. [Vancouver]

Dates:	[1935]
Level of description:	File
Conditions governing access:	Access to drawings may be delayed for conservation or privacy reasons. Please consult the archivist.
Notes:	Title note: Title taken from job index card. General note: On job card: "Contractor George Snider". Building has been demolished.
Description identifier:	164062
Dates of creation revision deletion:	Created: 2 Nov 2005
Digital object:	 CVA_Townley_Hotel2.jpg

[edit archival description](#)

[add new archival description](#) [list all archival description](#)

[search](#)
 [browse](#)

archival institution
City of Vancouver Archives

creator
Townley, Matheson and Partners

fonds

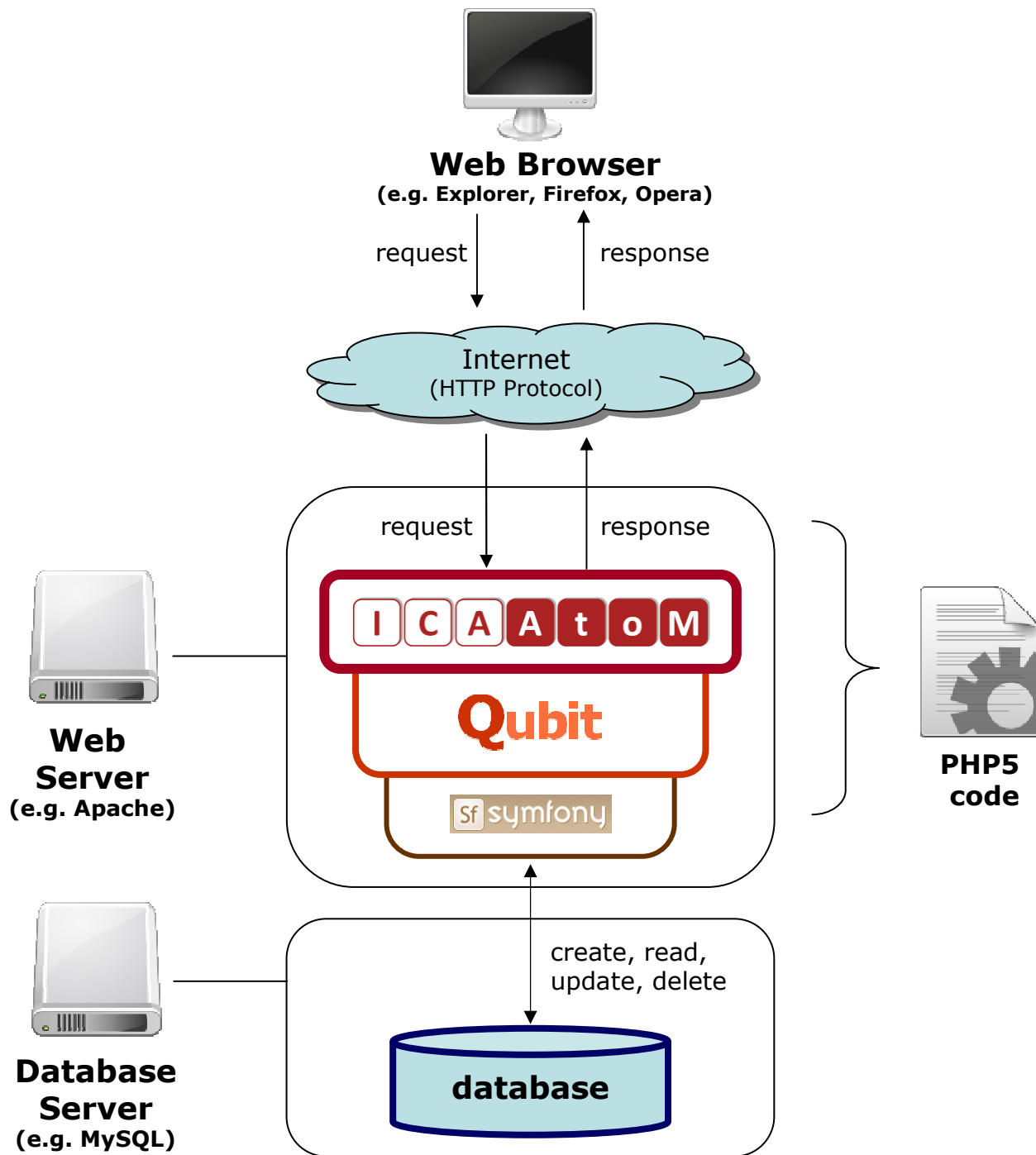
- Fonds - Townley, Matheson and Partners fonds
 - Series Add. MSS. 1399 - Architectural drawings
 - File - Job no. 575 : owner Standard Stations Ltd., sta...**
 - File - Job no. 600 : owner E. W. Hamber, glass enclosu...
 - File - Job no. 716 : owner Gough & Company, warehouse ...
 - File - Job no. 525 : owner R. M. McLuckie, government ...
 - File - Job no. 67-010 : [plans for proposed hotel for ...
 - Series - Project photographs
 - Series Add. MSS. 1399 - Miscellaneous records

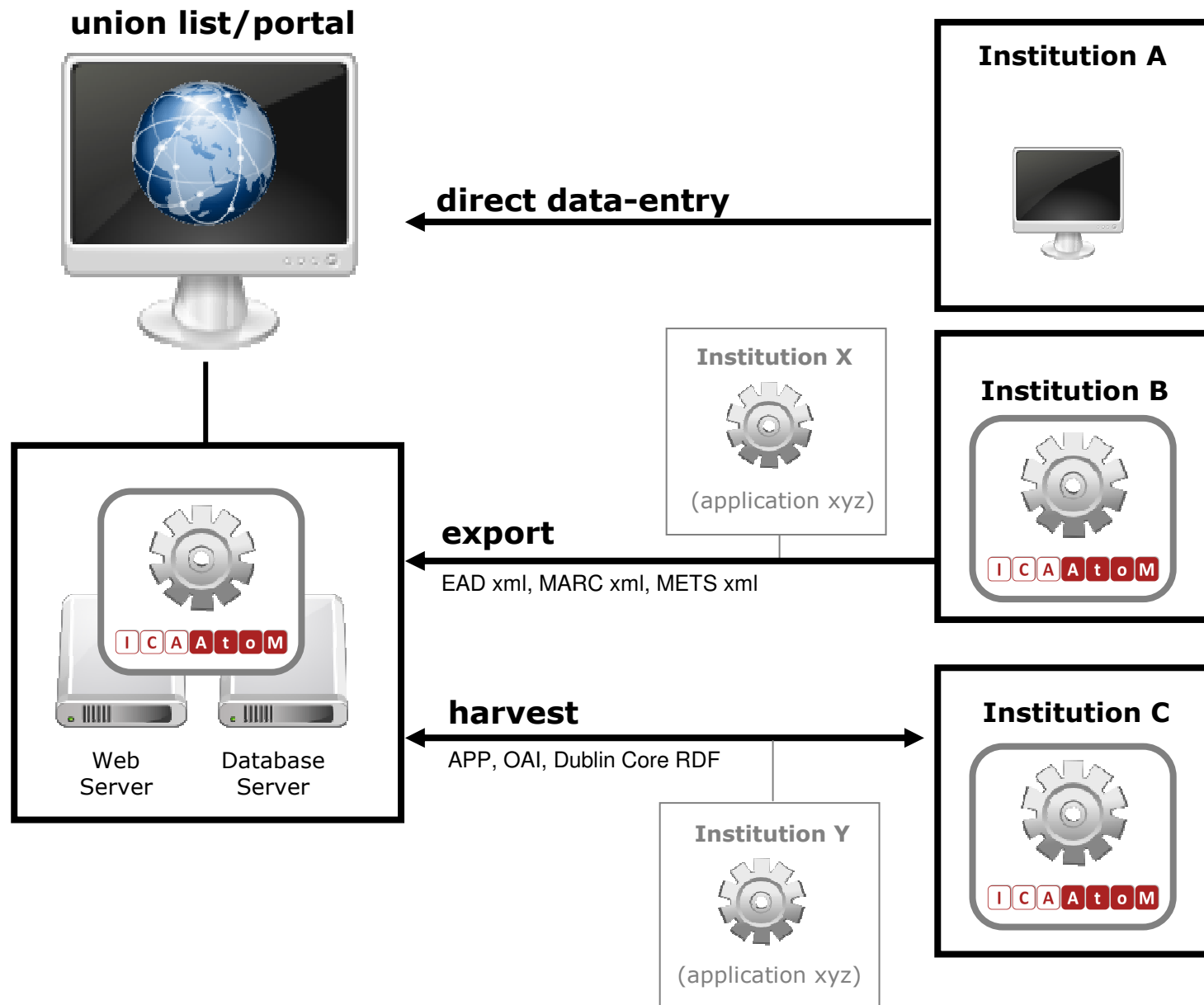
Done

Key Beta 1.0 Features

- ◇ fully web-based application
- ◇ full ICA standards compliance
 - ◇ Multi-level description
 - ◇ Authority files
- ◇ search/browse
- ◇ multi-lingual
- ◇ multi-institutional union lists
- ◇ EAD XML export
- ◇ digital media upload/view

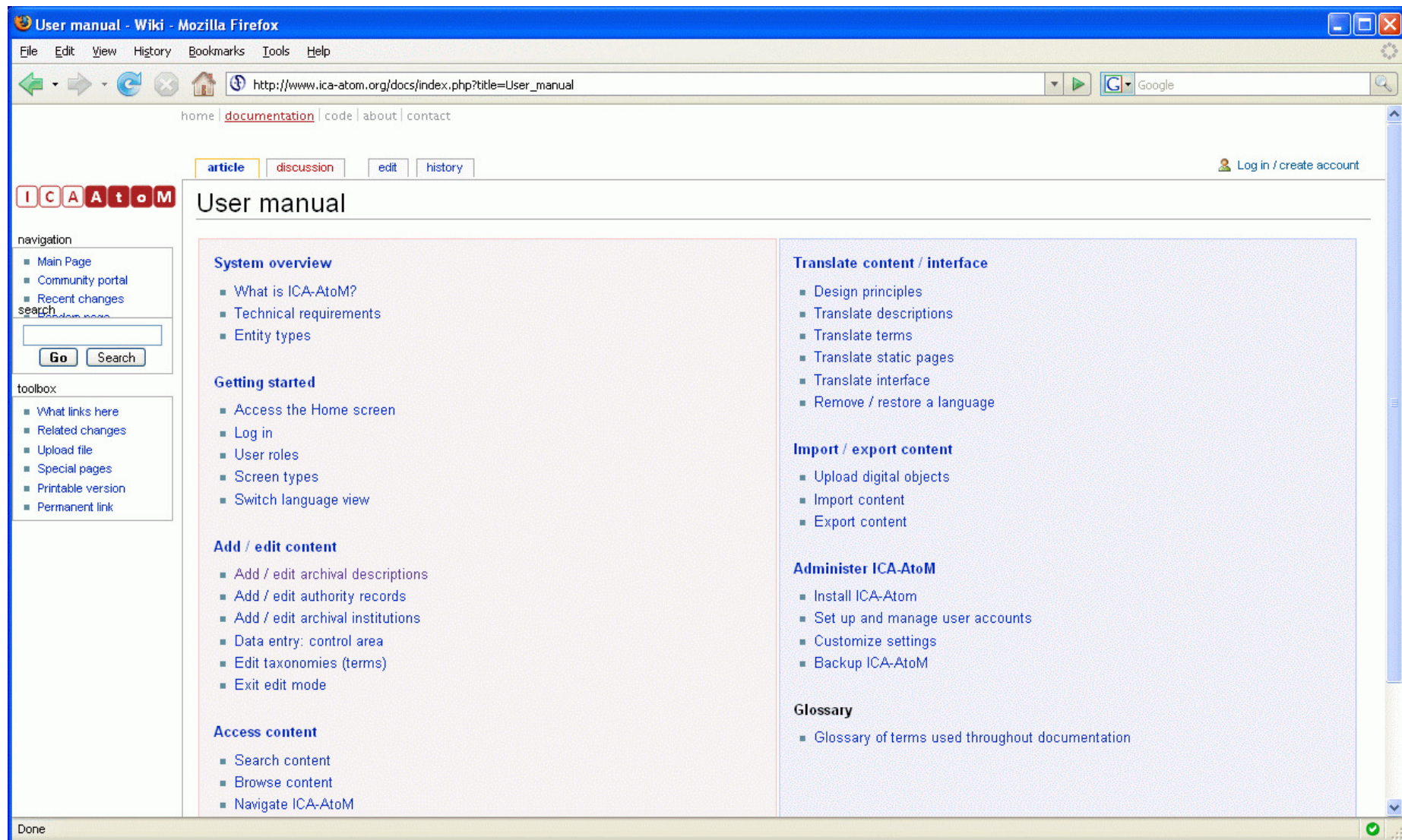






<http://ica-atom.org>





UM-3.1.3 - Wiki - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.ica-atom.org/docs/index.php?title=UM-3.1.3

home | [documentation](#) | code | about | contact

article discussion edit history

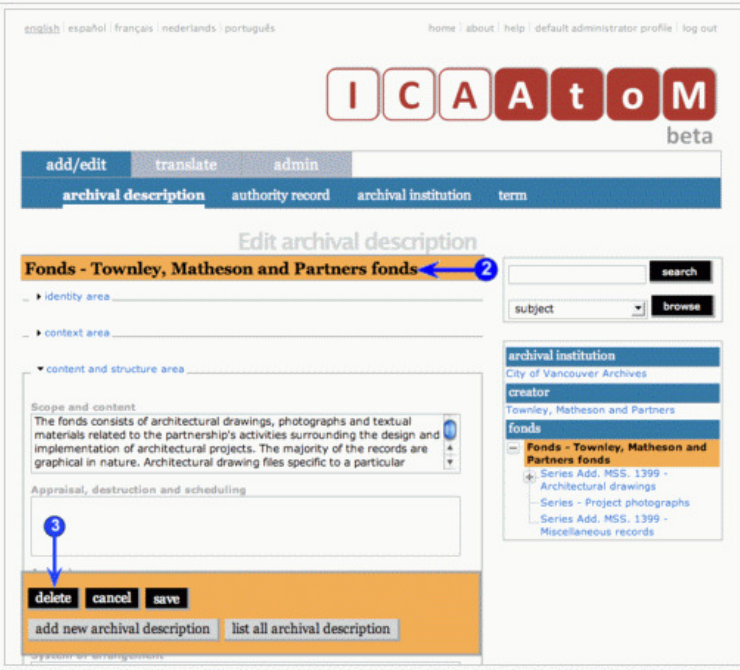
Log in / create account

UM-3.1.3

Delete an existing archival description

Main Page > (UM) User manual > UM-3 Add / edit content > UM3.1 Add / edit archival descriptions > UM-3.1.3 Delete an existing archival description

1. Navigate to the description you want to delete.
 - For more information on navigation in ICA-AtoM, see in this manual: [Access content](#).
2. Switch from **view mode** to **edit mode** by clicking the **Record title bar** or **Edit button**; this takes you to the record's **Edit screen**.
3. Click the **Delete button** in the **Button block**.
4. ICA-AtoM prompts you to confirm the delete request; click "OK".
5. ICA-AtoM deletes the record and returns you to the **List screen**.
6. Note the following consequences of deleting an **archival description**:
 - If the record has lower-level descriptions registered to it (is a "**parent record**"), **all the lower-level records are also deleted** - e.g. if you delete a series, any sub-series, files or items that belong to the series will **also** be deleted.
 - Any **access points** assigned to the description are deleted.
 - Any date **events** associated with the description are deleted.
 - The **authority record** of the associated **creator** is **not** deleted.
 - The **archival institution** record of the associated **repository** is **not** deleted.



Delete an existing description

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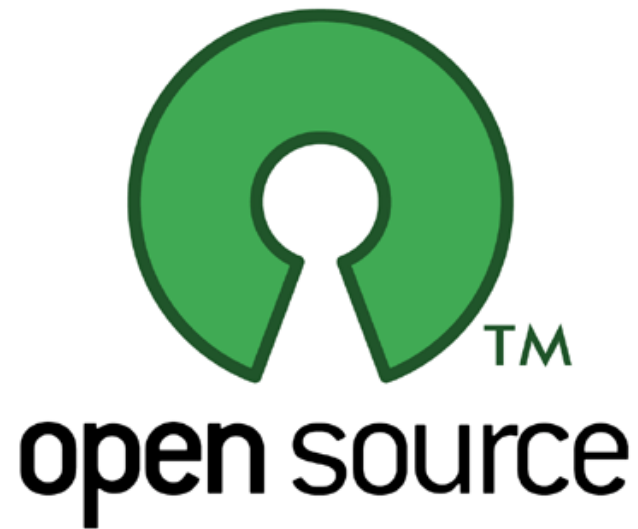
Free Software!!







Copyright



The Open Source Definition:
www.opensource.org/docs/osd

1. Free Redistribution

2. Source Code

3. Derived Works

4. Integrity of The Author's Source Code

5. No Discrimination Against Persons or Groups

6. No Discrimination Against Fields of Endeavor

7. Distribution of License

8. License Must Not Be Specific to a Product

9. License Must Not Restrict Other Software

10. License Must Be Technology-Neutral

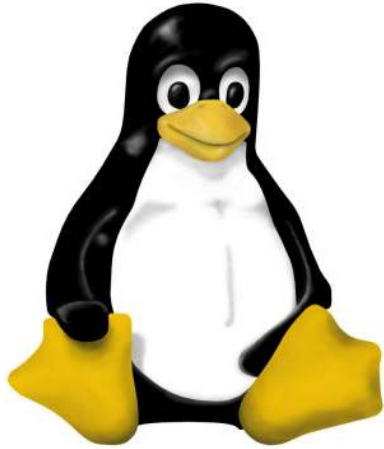
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

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51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
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Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.



How Do We Pay For Free?

- Individual contributions
- Grants and subsidies
- Membership fees
- Bounty system
- Advertising

How Do We Pay For Free?

- Corporate sponsors
- Services
 - Development
 - Hosting
 - Support
 - Training

“Open source is a means to an end. It’s a mechanism to grow the broadest market, build the largest ecosystem, reach the maximum set of opportunities”

- Jonathan Schwartz (CEO Sun Microsystems). “Sun’s open-door policy” *eWeek* (April 21, 2008)



Peter Van Garderen
President/Senior Consultant



Jack Bates
Software Engineer



Richard Dancy
Systems Archivist



David Juhasz
Software Engineer



Evelyn McLellan
Systems Archivist



Austin Trask
Systems Engineer

ICA-AtoM Support

Artefactual Systems is the lead developer of the ICA-AtoM open-source archival description application. ICA-AtoM is open-source software and available as a free download at the ica-atom.org website.

If your institution needs assistance in using or customizing the ICA-AtoM software we provide the following support services:

- **On-site installation or off-site hosting**
- **Training and technical support**
- **Customization and new feature development**

ICA-AtoM is fully web-based, multi-lingual archival description software that was commissioned by the International Council on Archives to make it easy for archival institutions worldwide to put their archival holdings online using the ICA's descriptive standards.

Through the flexibility of the underlying [Qubit Toolkit](#) it is easily configured to:

- use other national descriptive standards
- use descriptive standards from other professional communities (e.g. libraries, museums)
- act as a metadata management component to a digital archives repository
- serve as a multi-institutional union list portal

If your institution would like assistance in using or customizing the ICA-AtoM Software, please [contact us](#) for a complimentary cost estimate.





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“Open source and proprietary software” Sept. 2007 UNESCO Report

FOSS Proponents say	FOSS Opponents say
<u>Total cost of ownership</u> ◇ Open source has a much lower price (true) ◇ The total cost of open source is lower (maybe)	<u>Total cost of ownership</u> ◇ Some proprietary software are not compatible with open source (true)
<u>Features & Quality</u> ◇ Open source is more reliable (maybe) ◇ Open source is more secure (maybe) ◇ Open source is more powerful (maybe) ◇ Open source is more network friendly (true) ◇ Open source can be more customized (true) ◇ Open formats and standards are better (true) ◇ Open source supports better curricula in technology (maybe)	<u>Features & Quality</u> ◇ Proprietary software has more features (true) ◇ Proprietary software is more user friendly (maybe) ◇ Open source is not mature enough for schools (false) ◇ There are no open source solutions for some school needs (true) ◇ Some curriculum software is incompatible with open source (true)
<u>Deployment & Maintenance</u> ◇ With open source you only pay for what you need (true) ◇ Open source makes license management easier (true) ◇ Open source means greater independence from companies (true) ◇ Open source lets teachers & students take software home (true)	<u>Deployment & Maintenance</u> ◇ Open source is harder to deploy (maybe) ◇ Proprietary software offers better service & support (maybe)
<u>Users & Migration</u> ◇ Some open source software are just as easy to learn and to use	<u>Users & Migration</u> ◇ Migration to FOSS is too expensive (maybe) ◇ Users are more familiar & comfortable with proprietary software (true) ◇ It's difficult to integrate open source & proprietary solutions (maybe)
<u>Free Markets & Choice</u> ◇ Software should be a commodity (maybe) ◇ Proprietary formats and standards lead to vendor lock in (true) ◇ Proprietary software leads to monopolies (maybe)	<u>Free Markets & Choice</u> ◇ Proprietary software may be needed to use some third-party programs (maybe)

Open Source Considerations

- Total Cost of Ownership
- Features and Functionality
- Deployment and Maintenance
- Security
- Accountability
- Philosophical Issues

Total Cost of Ownership (TCO)

PROS

- Software purchase cost much lower (free!)

CONS

- Potentially higher associated costs
 - Deployment
 - Training
 - Maintenance





“Brazil adopts open-source software, says it’s \$120 million a year cheaper not to use Microsoft.”



Evergreen ILS for BC Public Libraries

Saving about \$15 million dollars in vendor license
and support fees over the next few years

Software Features & Quality

PROS

- Greater Compatibility and Interoperability
- Greater Customizability

CONS

- Narrower Range of Features
- Few Integrated Suites of Products

Deployment & Change Management

PROS

- Easier licensing
- No limitation on number of users

CONS

- Can be more difficult to install/deploy
- Somewhat less user friendly

Security

If the code is publicly-accessible, doesn't that make it less secure?

- Closed source code isn't more difficult to attack, but it is more difficult to fix
- OSS security holes are typically plugged faster because it's easier for someone in the user community to spot and fix leaks themselves

Security

- Secrecy $\neq$ Security
- security is more a result of how software is deployed and managed
 - The same processes, protocols, architecture designs apply to OSS and proprietary software
 - Both can be deployed securely or insecurely

Security

- The U.S. DoD \$200 Billion integrated weapons system program
- “the army said they choose not to use Microsoft’s proprietary software because they didn’t want to be beholden to the company, opting instead to develop a Linux-based operating system based on publicly available code.”
 - “The Modern Face of Warfare” *Vancouver Sun* (January 26, 2008)

Security

- French Gendarmerie
 - Announced in January 2008 that it is migrating 70,000 police agent's desktops from Windows to Novell Suse Linux
 - Already 1145 PCs in French Parliament are running Ubuntu Linux

Linux Magazine (February 2008)

Support/Accountability

- “There’s no guarantee that an open-source community isn’t just going to pick-up and abandon a product”
- “We need to have somebody accountable”
- “Who’s going to provide support and training?”

Support/Accountability

- No guarantee that software vendors won't abandon products
- Open-source projects are establishing foundations for long-term sustainability
- Can enter legal service agreements with third parties for support, training

Support/Accountability

- Choose OSS that is developed/used by major institutions
 - e.g, National Archives of UK, Australia, Netherlands, New Zealand, LAC
 - e.g., Universities: Harvard, Yale, Cornell, Stanford, California, MIT, Florida State
- Choose OSS that has a large/active user community

Support/Accountability

- Choose OSS that is backed by a formal governance/legal entity
 - Free Software Foundation
 - Apache Foundation
 - Drupal Foundation
 - Fedora Commons
 - ICA-AtoM Steering Committee

Philosophical Issues

- Empowerment
- Transparency
- Universal Access

Other Considerations

- Do you have a choice?
- Maybe the only option is an open source (or proprietary) product?
- Examples:
 - Web archiving: Heratrix
 - Format Validation: DROID, JHove
 - Format Normalization: XENA

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lion.cs.cornell.edu:1 (aa362)

Heritrix: Crawl jobs - Mozilla Firefox

File Edit View Go Bookmarks Tools Help del.icio.us

http://localhost:8080/jobs.jsp

Red Hat, Inc. Red Hat Network Support Shop Products Training

HERITRIX Status as of **Nov. 25, 2006 23:51:12 GMT** Alerts: no alerts

HOLDING JOBS

Crawl jobs 0 jobs pending, 6 completed

Console **Jobs** Profiles Logs Reports Setup Help

Create New Job

- [Based on existing job](#)
- [Based on a recovery](#)
- [Based on a profile](#)
- [With defaults](#)

Pending Jobs (0)

Completed Jobs(6)

UID	Name	Status	Options						
20061120214754951	default	Finished - Ended by operator	Crawl order	Crawl report	Seeds report	Seed file	Logs	Journal	Delete
20061120214432805	default	Finished	Crawl order	Crawl report	Seeds report	Seed file	Logs	Journal	Delete
20061120213934051	default	Finished	Crawl order	Crawl report	Seeds report	Seed file	Logs	Journal	Delete
20061120213804003	default	Finished	Crawl order	Crawl report	Seeds report	Seed file	Logs	Journal	Delete
20061120213208810	default	Finished - Ended by operator	Crawl order	Crawl report	Seeds report	Seed file	Logs	Journal	Delete
20061120211924122	default	Finished - Ended by operator	Crawl order	Crawl report	Seeds report	Seed file	Logs	Journal	Delete

Identifier: org.archive.crawler:jmxport=8849,name=Heritrix,type=CrawlService,guiport=8080,host=lion.cs.cornell.edu

Done

Heritrix: Crawl jobs - Mozilla Firefox

start MSVDM 1 2 3 4 Desktop Google 6:51 PM

JHOVE: JSTOR/Harvard Object Validation Enviroment 1.0

DN	=format-registry,dc=umiacs,dc=umd,dc=edu
Description	OR/Harvard Object Validation Enviroment
Version	1.0
Owner Name	President and fellows of Harvard College
Owner Type	non-profit
Web Site	http://lml.harvard.edu/jhove/
Supported Level	Supported
Supported By	
Supported Until	Unknown
Service Type	Web Service
Service Location	s04:8080/WSJhove/services/WSJhove?wsdl
Formats Read	Adobe Acrobat PDF 1.0
Formats Written	
Operating Systems	


Xena 4.0 - National Archives of Australia

File Tools Help

 New Session
 View Log

Normalisation Results

Source	Guessed Type	Normaliser	Success	Destination	Date Normalised	Message
file: C:\carrier-...	Binary	Binary	☒	CS-RCS.HLP_Bin...	2007/08/31 1...	
file: C:\carrier-...	Microsoft Project	Microsoft Project	☒	DRT2005a.mp...	2007/08/31 1...	
file: C:\carrier-...	Word Processor	Office	☒	Invitation_EN.od...	2007/08/31 1...	
file: C:\carrier-...	PlainText	Plaintext	☒	TESTlinux1109...	2007/08/31 1...	
file: C:\carrier-...	PDF	PDF	☒	WaughVers.pdf_...	2007/08/31 1...	
file: C:\carrier-...	Word Processor	Office	☒	ack%201%20im...	2007/08/31 1...	
file: C:\carrier-...	Spreadsheet	Office	☒	agift.xls_Office...	2007/08/31 1...	
file: C:\carrier-...	PlainText	Plaintext	☒	b_hidden.txt_Pl...	2007/08/31 1...	
file: C:\carrier-...	Word Processor	Office	☒	billboard.rtf_Off...	2007/08/31 1...	
file: C:\carrier-...	PCX	PCX	☒	boats.pcx_PCX...	2007/08/31 1...	
file: C:\carrier-...	JPEG	JPEG	☒	britten.jpg_JPEG...	2007/08/31 1...	
file: C:\carrier-...	PlainText	Plaintext	☒	dataset.css_Plai...	2007/08/31 1...	
file: C:\carrier-...	WAV	Direct Audio	☒	icecream.wav_D...	2007/08/31 1...	
file: C:\carrier-...	HTML	HTML	☒	index.html_HTM...	2007/08/31 1...	
file: C:\carrier-...	Binary	Binary	☒	init.exe_Binary.x...	2007/08/31 1...	
file: C:\carrier-...	TIFF	Image	☒	shark.tif_Image...	2007/08/31 1...	
file: C:\carrier-...	Image	Image	☒	the_collection.gi...	2007/08/31 1...	
file: C:\carrier-...	Word Processor	Office	☒	wordsample1.d...	2007/08/31 1...	

 Pause
 Stop

 Binary Normalise Failures
 Cancel

18 of 18 completed (0 error(s))



DSpace Service - University of Glasgow - Mozilla Firebird

File Edit View Go Bookmarks Tools Help

https://dspace.gla.ac.uk/admin/edit-communities

 **UNIVERSITY of GLASGOW**

GLASGOW DSpace SERVICE

Preprints, Grey Literature, Technical Reports, Working Papers.

INFORMATION SERVICES A-Z 

[Communities/Collections](#)

[E-people](#)

[Groups](#)

[Items](#)

[Dublin Core Registry](#)

[Bitstream Format Registry](#)

[Workflow](#)

[Authorization](#)

[Log Out](#)

[DSpace at the University of Glasgow >](#)

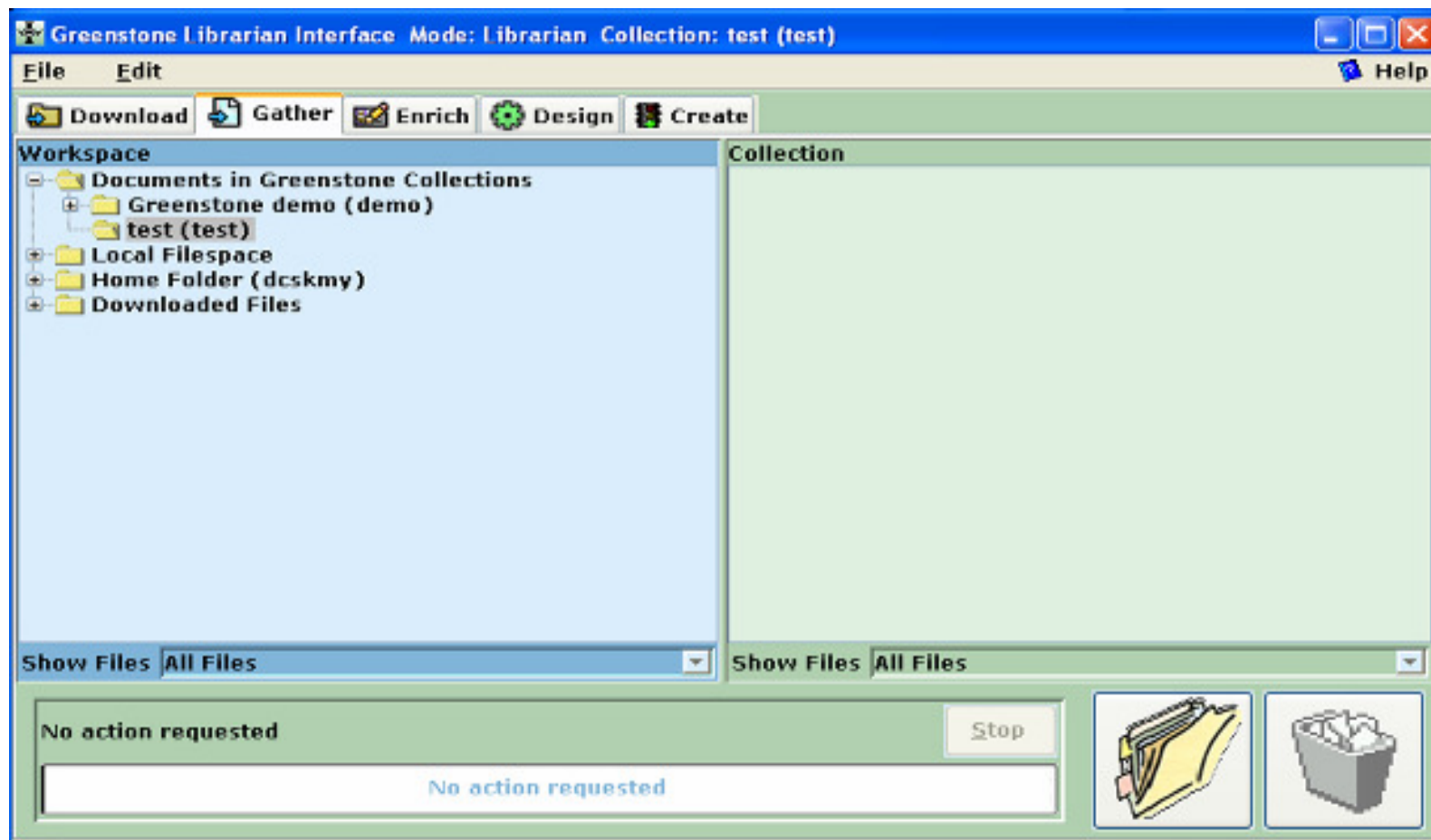
[Administer >](#)

Edit Communities and Collections

[Create Community...](#)

Archives 1721.1/78 (DB ID: 11)	Edit...	Delete...	Create Collection...
CDocS Development Group Meetings 1721.1/79 (DB ID: 17)	Edit...	Delete...	
Computing Service 1721.1/5 (DB ID: 2)	Edit...	Delete...	Create Collection...
Computing Service Papers 1721.1/34 (DB ID: 8)	Edit...	Delete...	
Computing Service Project Reports 1721.1/6 (DB ID: 2)	Edit...	Delete...	
Department of Aerospace Engineering 1721.1/13 (DB ID: 4)	Edit...	Delete...	Create Collection...
Technical Reports 1721.1/14 (DB ID: 5)	Edit...	Delete...	
Department of Computing Science			

Done





Evaluate Experiment

[Expand All](#) | [Collapse All](#)

Website > [Record characteristics](#)

Focus	Node
	▼ Record characteristics
X	▶ Appearance
X	▶ Content
X	▶ Structure
X	▼ Behaviour
X	▶ deactivate
X	▶ preserve
X	▶ freeze
X	▶ Context

deactivate > mailto:

Alternative	first	second
solutionA	Yes ▼	No ▼
solutionB	Yes ▼	Yes ▼

preserve > menus

Alternative	first	second
solutionA	complete ▼	complete ▼
solutionB	navigable ▼	missing ▼

preserve > pop-ups

Alternative	first	second
solutionA	Yes ▼	Yes ▼
solutionB	No ▼	Yes ▼

freeze > current date/time

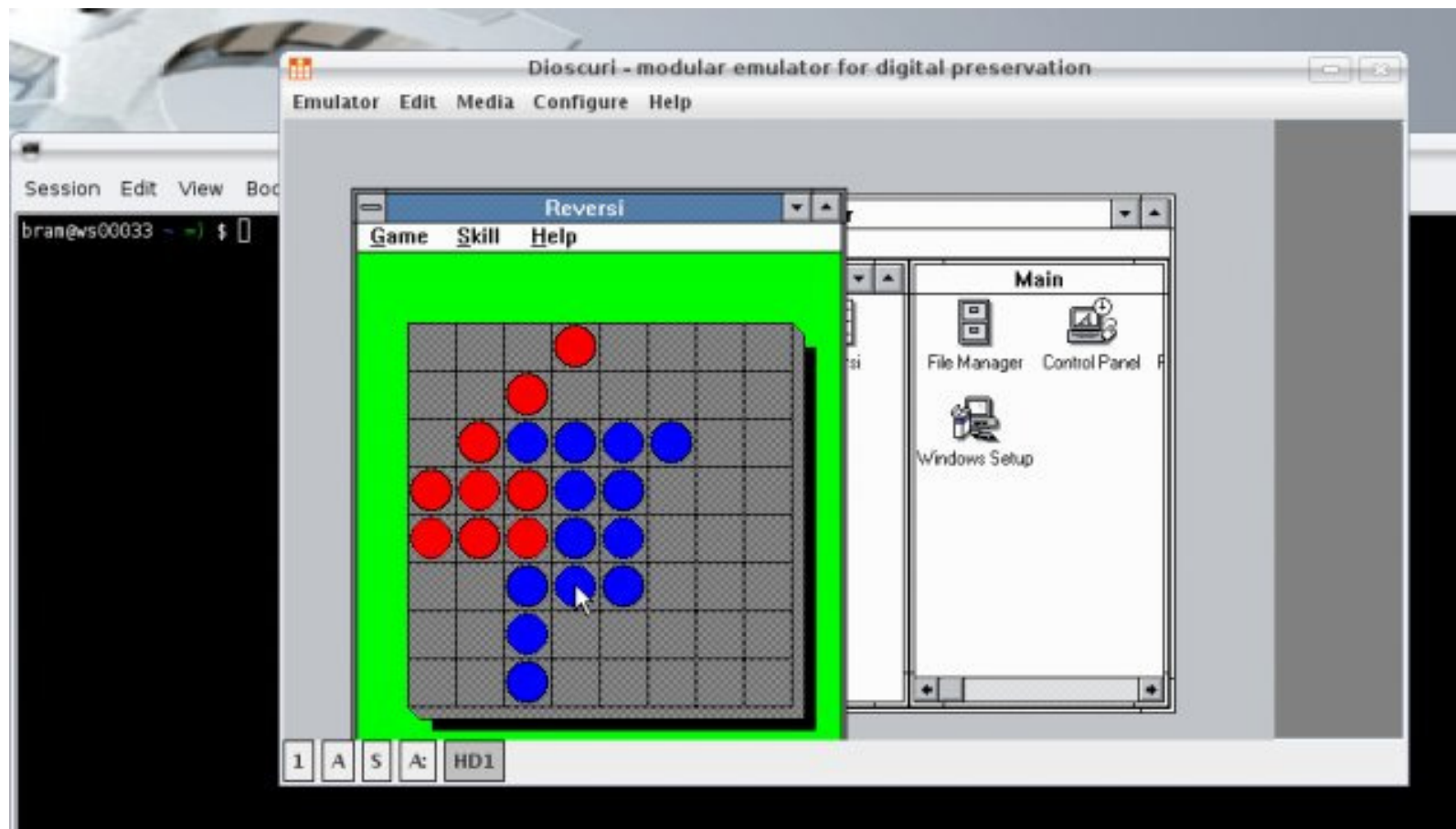
Alternative	first	second
solutionA	frozen ▼	frozen ▼
solutionB	missing ▼	frozen ▼

freeze > visitor counter

Alternative	first	second
solutionA	missing ▼	frozen ▼
solutionB	current ▼	current ▼

freeze > Newsfeeds

Alternative	first	second
solutionA	frozen ▼	frozen ▼
solutionB	frozen ▼	frozen ▼



Accessions

Record 1 of 9

Title: American Vacuum Society records,

Accession #: AR.1998.421

Basic Information

Accession Notes

User defined fields

Names & Subjects

Acknowledgements, Restrictions & Processing Tasks

Accession Number

AR

1998

421

Accession Date

1/14/1998

Resources Linked to this accession

Resource Identifier	Resource Title
AR.1998.421	American Vacuum Society records

Link Resource

Remove Link

Resource Type

Member Society

Title

American Vacuum Society records,

Extent

Extent Number

11

Linear feet

Container Summary

11 Paige box

Repository

NBLA

Date Expression

1953-1997

Date

Begin

1953

End

1997

Bulk Dates

Begin

End

Deaccessions

Deaccession Date	Extent	Extent Measurement
------------------	--------	--------------------

Add Deaccession

Remove Deaccession

Locations

Location	Note
ACP - Other (See Notes)	CHP Closet/MM's office
ACP - 2 - Archives - Stacks Range 1...	
ACP - 2 - Archives - Stacks Range 1...	
ACP - 2 - Archives - Stacks Range 1...	

Add Location

Remove Location

General Accession Note

Preliminary inventory done.

First

Previous

Next

Last

Reports

Cancel

OK

Created: Feb 14, 2008 by admin | Modified: Feb 27, 2008 by mmatienz | Record Number: 18979

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Project Background

- ◇ ICA OSARIS project (2003)
- ◇ UNESCO funding for Human Rights Violations: Guide to Archival Sources (2005)
- ◇ ICA ⇨ Dutch Archiefschool ⇨ Artefactual

Project Purpose

provide free and open-source software:

1. that enables institutions to make their archival holdings available online, especially those who could not otherwise afford to do so
2. that manages archival descriptions in accord with ICA standards
3. that provides multi-lingual interfaces and content translation features
4. that supports multiple collection types



Project Purpose

provide free and open-source software:

5. that is fully web-based, user-friendly and follows accessibility best practices
6. that is flexible and customizable
7. that is useful to both small and large institutions alike
8. that supports single or multi-repository implementations



Project Background

- ◇ ICA-AtoM ('Access to Memory')
 - Sept 2006: Release 0.1 prototype
 - Nov 2007: Release 0.5 alpha



Partners and Sponsors

- ◇ International Council on Archives
- ◇ Archiefschool: Netherlands Institute of Archival Education and Research
- ◇ Artefactual Systems
- ◇ Alouette Canada Open Digitization Initiative
- ◇ United Arab Emirates Center for Documentation and Research
- ◇ French Archives Directorate
- ◇ UNESCO IFAP
- ◇ World Bank Archives

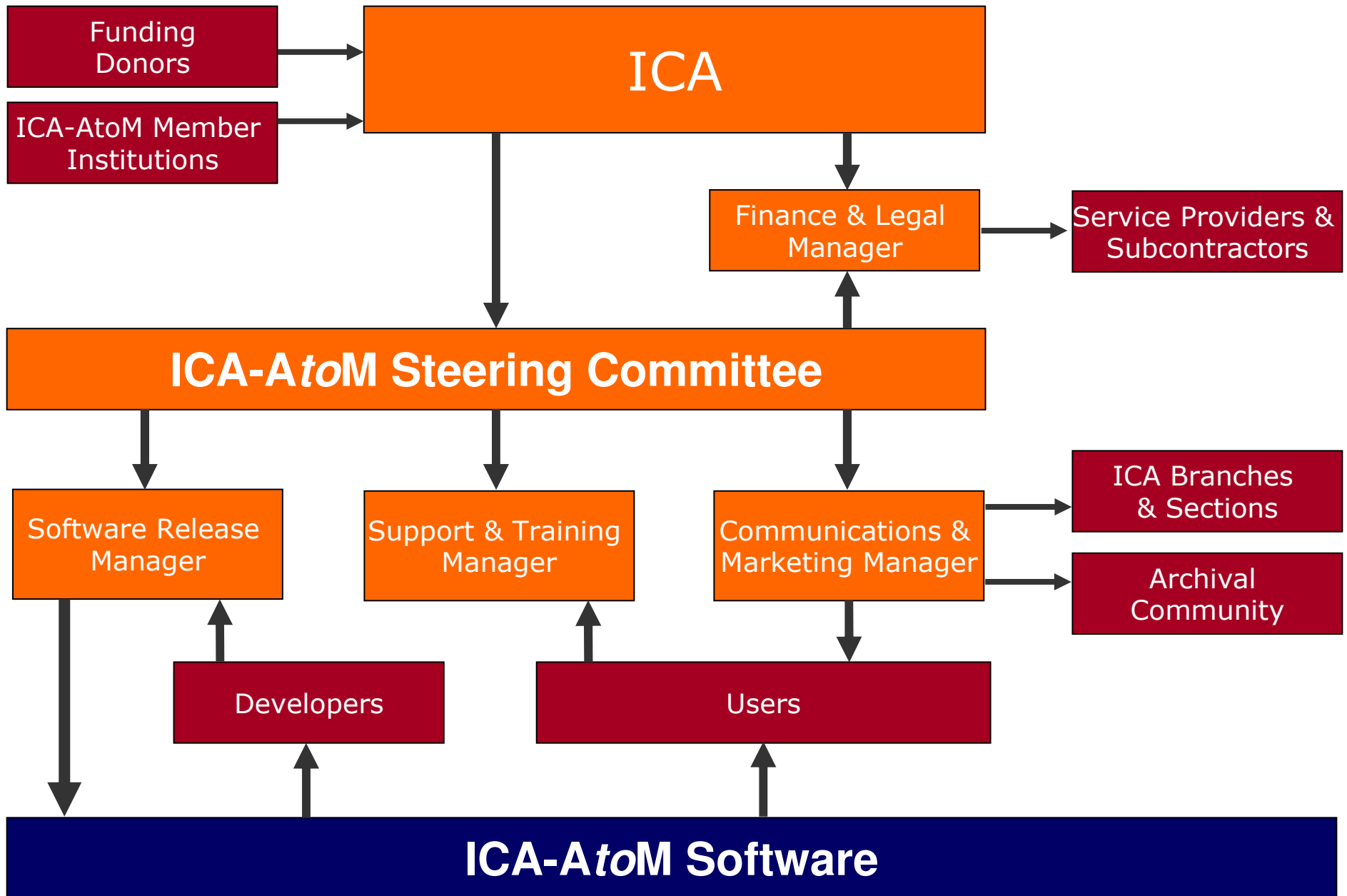


Project Funding to date

2006	UNESCO	40,000
2006	World Bank Archives	8,000
2006-2007	Archiefschool	100,000
2007	French Archives Directorate	30,000
2008	United Arab Emirates CDR	167,000
July 2008	TOTAL RELEASE 1.0 FUNDING	€345,000

ICA-AtoM Governance Model

DRAFT FOR DISCUSSION. Version 3. May 20, 2008



Project Values

conduct project affairs in the spirit of open source collaboration, including:

1. openly sharing technical expertise
2. promoting professional best practices
3. nurturing an active community of users and developers
4. leveraging existing open web technology to deliver best-of-breed archives software
5. providing solutions to organizations with limited financial and technical resources



Project Values

conduct project affairs in the spirit of open source collaboration, including:

6. engaging active participation from organizations that have the necessary financial and technical resources
7. providing a common ground for cross-discipline collaboration with related communities
8. generating revenue to support ICA-AtoM and other ICA activities through a business model that benefits from widespread ICA-AtoM adoption



Business Model

1. apply for grants and subsidies
2. charge fees for delivering ICA-AtoM related training workshops
3. create a purely voluntary institutional membership model, based on fees or contributions in kind, to pool the resources of those institutions that are using ICA-AtoM
4. charge a commission for brokering ICA-AtoM technical services between recommended third-party contractors and institutions seeking assistance with ICA-AtoM installation, hosting, customization, new feature development, etc.



<http://ica-atom.org>



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Overview

ICA-AtoM is web-based archival description software that is based on International Council on Archives (ICA) standards. 'AtoM' is an acronym for 'Access to Memory'. ICA-AtoM is multi-lingual and supports multi-repository collections.

Current Status

The software is currently in development. The [source code](#) is publicly available to other software developers for checkout under a GPL v2 license.

Formal Release

The 1.0 beta version of the ICA-AtoM software will be formally released, along with training material and workshops, at the [ICA Congress](#) in July 2008. After that time, an end-user version will be available for download from this website.

Additional information and news

The [about](#) page has more information about the project organization.

Check the ICA-AtoM [discussion group](#) for the latest project information and news.

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About the ICA-AtoM Project

- [A. Project Purpose](#)
- [B. Project Values](#)
- [C. Business Model](#)
- [D. Governance Model](#)
- [E. Software License](#)
- [F. Trademark](#)
- [G. Project Partners](#)
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A. Project Purpose

The purpose of the ICA-AtoM Project is to provide free and open-source software:

- that enables institutions to make their archival holdings available online, especially those who could not otherwise afford to do so
- that manages archival descriptions in accord with ICA standards
- that provides multi-lingual interfaces and content translation features
- that supports multiple collection types
- that is fully web-based, user-friendly and follows accessibility best practices
- that is flexible and customizable
- that is useful to both small and large institutions alike
- that supports single or multi-repository implementations

B. Project Values

The values of the ICA-AtoM Project are to conduct its affairs in the spirit of open-source collaboration, including:

- openly sharing technical expertise
- promoting professional best practices
- nurturing an active community of users and developers

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Presentation Overview

- ◇ ICA-AtoM Software Demonstration
- ◇ What is Open Source Software?
- ◇ Open Source Software for Archives
 - ◇ Pros and Cons
 - ◇ Examples
- ◇ More About the ICA-AtoM Project
- ◇ ICA-AtoM Future Directions
 - ◇ Web 2.0
 - ◇ Digital Preservation

Key Beta 1.0 Features

- ◇ fully web-based application
- ◇ full ICA standards compliance
 - ◇ Multi-level description
 - ◇ Authority files
- ◇ search/browse
- ◇ multi-lingual
- ◇ multi-institutional union lists
- ◇ EAD XML export
- ◇ digital media upload/view



Release 1.2

- ◇ Ajax user interfaces (improved usability)
- ◇ All language scripts (Arabic, Asian, etc)
- ◇ Workflow / Permissions
- ◇ Digital repository API
- ◇ Dynamic templating/ crosswalking
- ◇ Harvesting & WebServices API
- ◇ Accessioning module
- ◇ Dynamic translation system

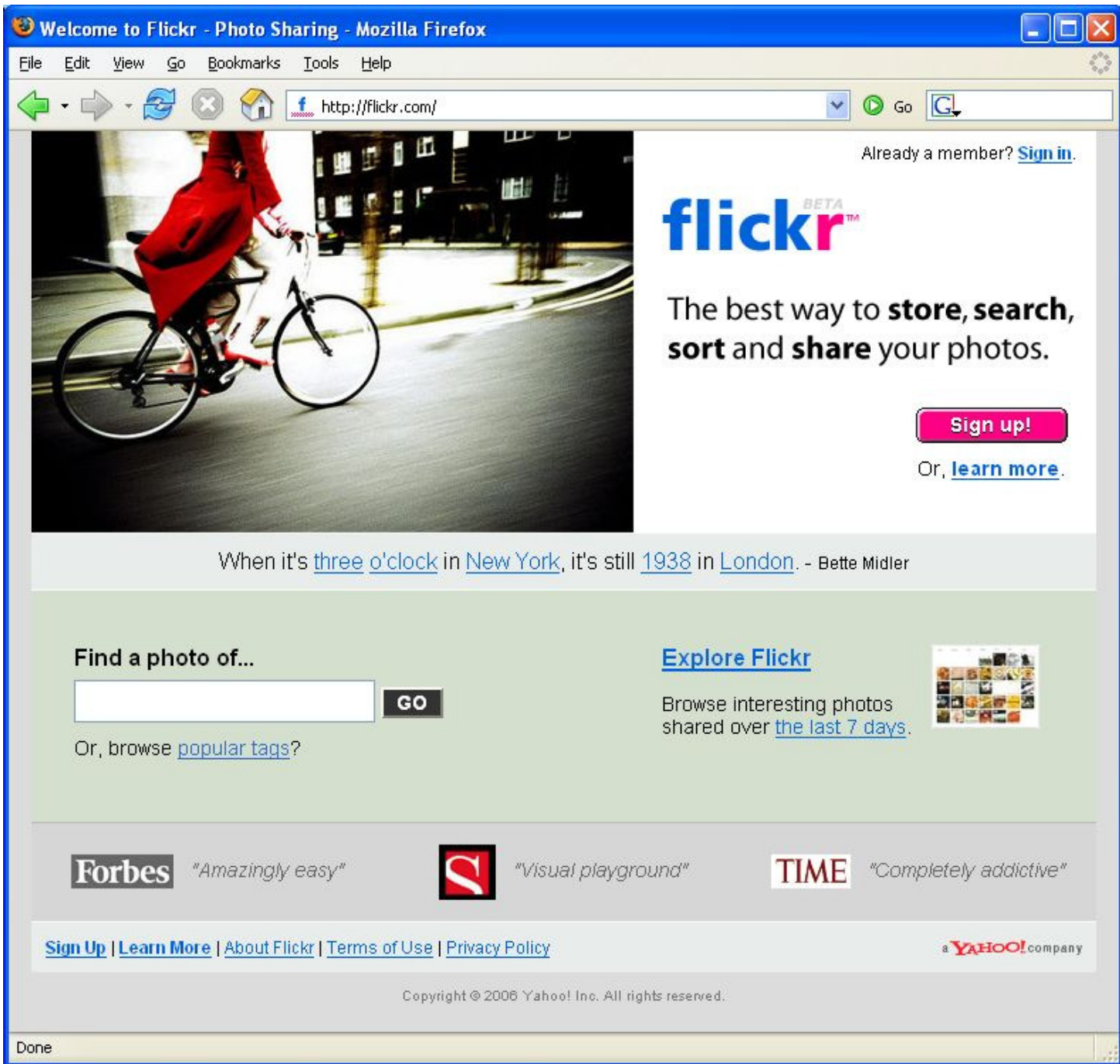
Future Directions

Users & Developers?



Presentation Overview

- ◇ ICA-AtoM Software Demonstration
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- ◇ Open Source Software for Archives
 - ◇ Pros and Cons
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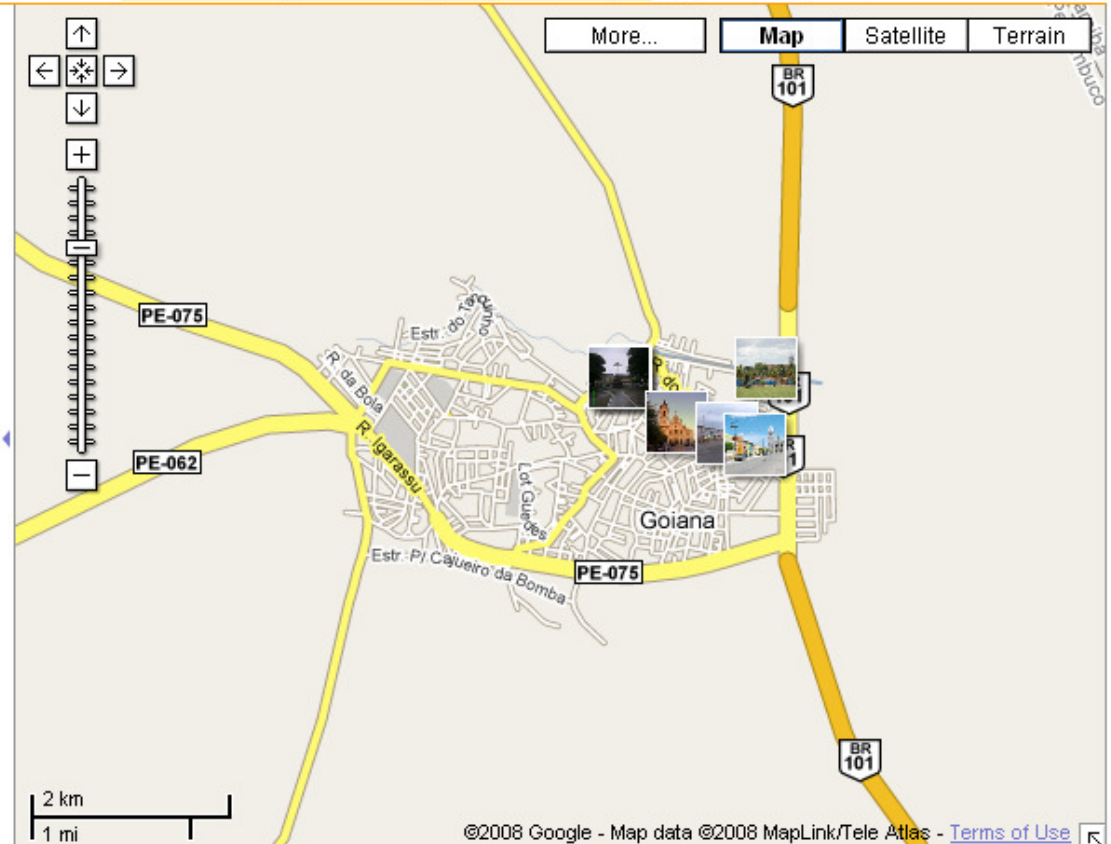
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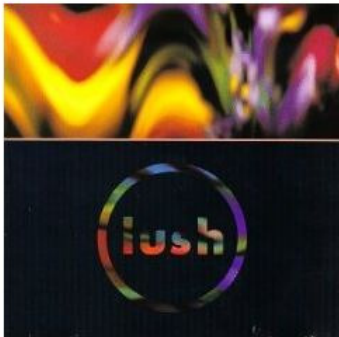
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ArchivesGeekFest: the world's first BarCamp for archivists?

June 5th, 2008 • 4 Comments • Meetings & Presentations, News

Next week I'll be in Fredericton, New Brunswick for the Association of Canadian Archivists conference. I'll be doing a session on [Open Source Software for Archives](#) as well as make a presentation to the Council of Provincial and Territorial Archivists about the [BCAUL ICA-AtoM Pilot Project](#).

However, I am most excited about the [ArchivesGeekFest](#) which I helped to organize. I am happy to be proven wrong but I suspect that this may be the first ever BarCamp for archivists, or maybe the second if you count the [Best Practices Exchange](#) Conference (which seems like a great unconventional conference for information professionals that I've been tempted to attend but

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The ICA-AtoM Project is growing up

May 28th, 2008 • 2 Comments • ICA-AtoM, Meetings & Presentations, News

It was a little over two years ago now that Peter Horsman of the Dutch Archiefschool and I toyed around with the idea of trying to get an open-source archival description software project off the ground. We found a willing partner in the ICA and off we went. It's been a race to the ICA Congress in Kuala Lumpur ever since. We will launch our first beta 1.0 release there in July. When we drafted our initial project plan I had hoped to have a more polished, mature application ready for the ICA Congress but we have come reasonably far given the short time span, limited resources and very ambitious design which we are working with. Earlier this month we reached another important milestone when we held the first meeting of the [ICA-AtoM](#) Steering Committee in Amsterdam. Besides good software, documentation and an active user community, the other critical success factor for any open-source project is to clearly establish its purpose, licensing and governance structure. This is namely to assure potential users that thought and planning has gone into the long-term sustainability of the software. After the Steering Committee meeting in Amsterdam I think the ICA-AtoM project is well on its way to accomplishing this. See my [discussion list post](#) for more information about the ICA-AtoM mission statement and governance structure.

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ICA-AtoM Goes Provincial

April 26th, 2008 • 2 Comments • ICA-AtoM, Meetings & Presentations, News

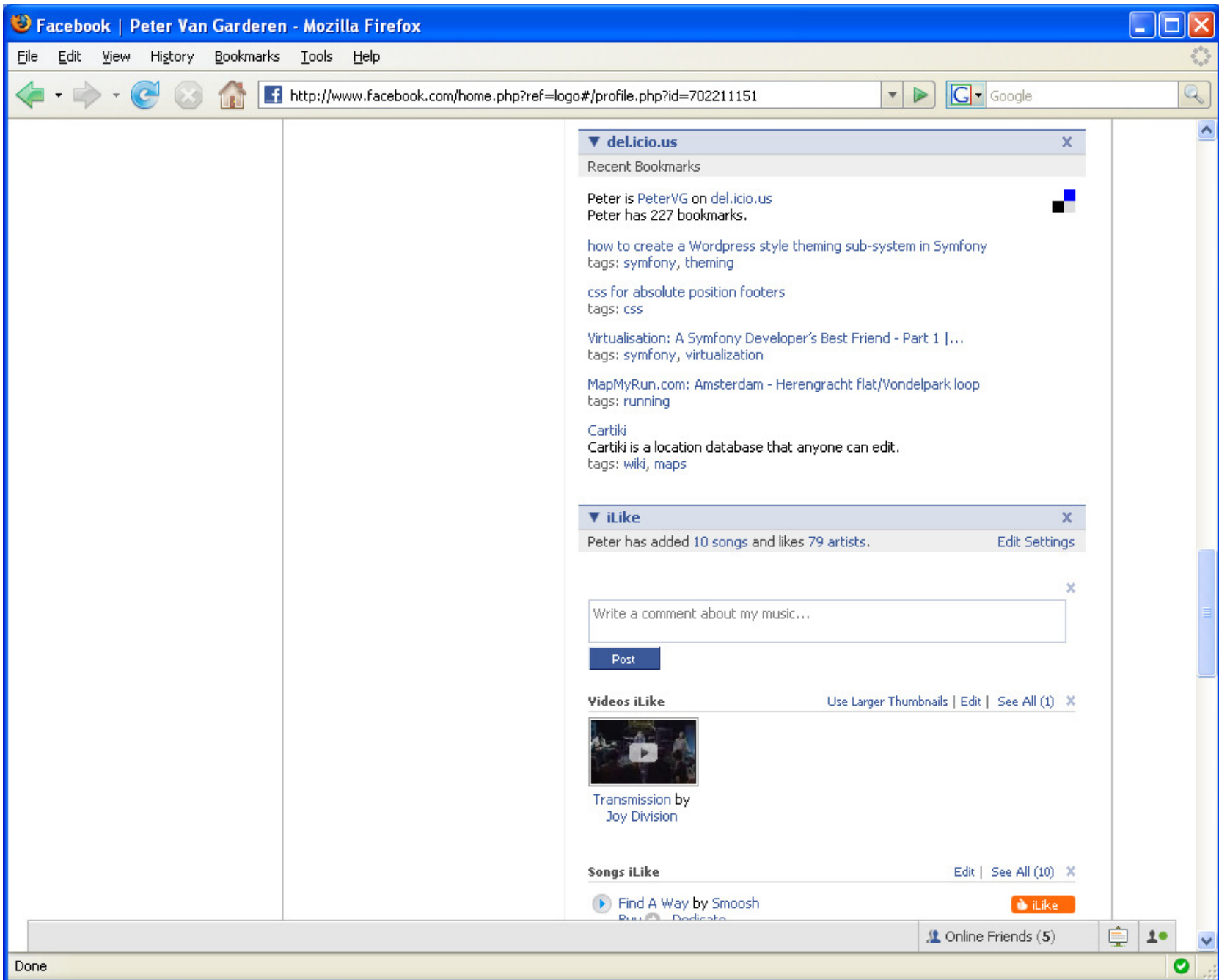
on the radar for next year.
ArchivesGeekFest ended...

- **Jeanne:** Yes yes.. THATCamp was great fun - take a look at <http://www.THATCamp.org> to see info about what was...

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-  Stuart Main added the [Team Canada Fans](#) application.
-  Jerome Mens and Nicole Darling are now friends. Nicole found Jerome through the [People You May Know](#) tool.
-  Stuart Main changed his about me to "Its been three years since my brothers death and..." [see more](#).
-  Liz MacDonald needs to get the fan in the computer fixed, so it won't blow up.

 Linda Linda commented on her own photo.

“ I have a collection? Too small for my taste...
I'm of the school "go big or go home". ”

 Kris Aston Librarian saved 1 bookmark on [delicio.us](#).

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 Stuart Main added the [Addicted to House](#) application. Dave Dash has activity on [FriendFeed](#).

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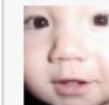
Peter loves it when Mattheus comes up with random gems like "Daddy, its okay to throw rocks in someone's eye...if they're dead."

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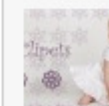
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[Dave Dash](#) WTF... looking at my inbox and realizing I have a lot of shit to do... 2h ago

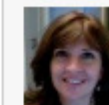
[Trevor Wedgewood](#) can't wait for the thrilling fireworks display at Ashbridges Bay! 2h ago

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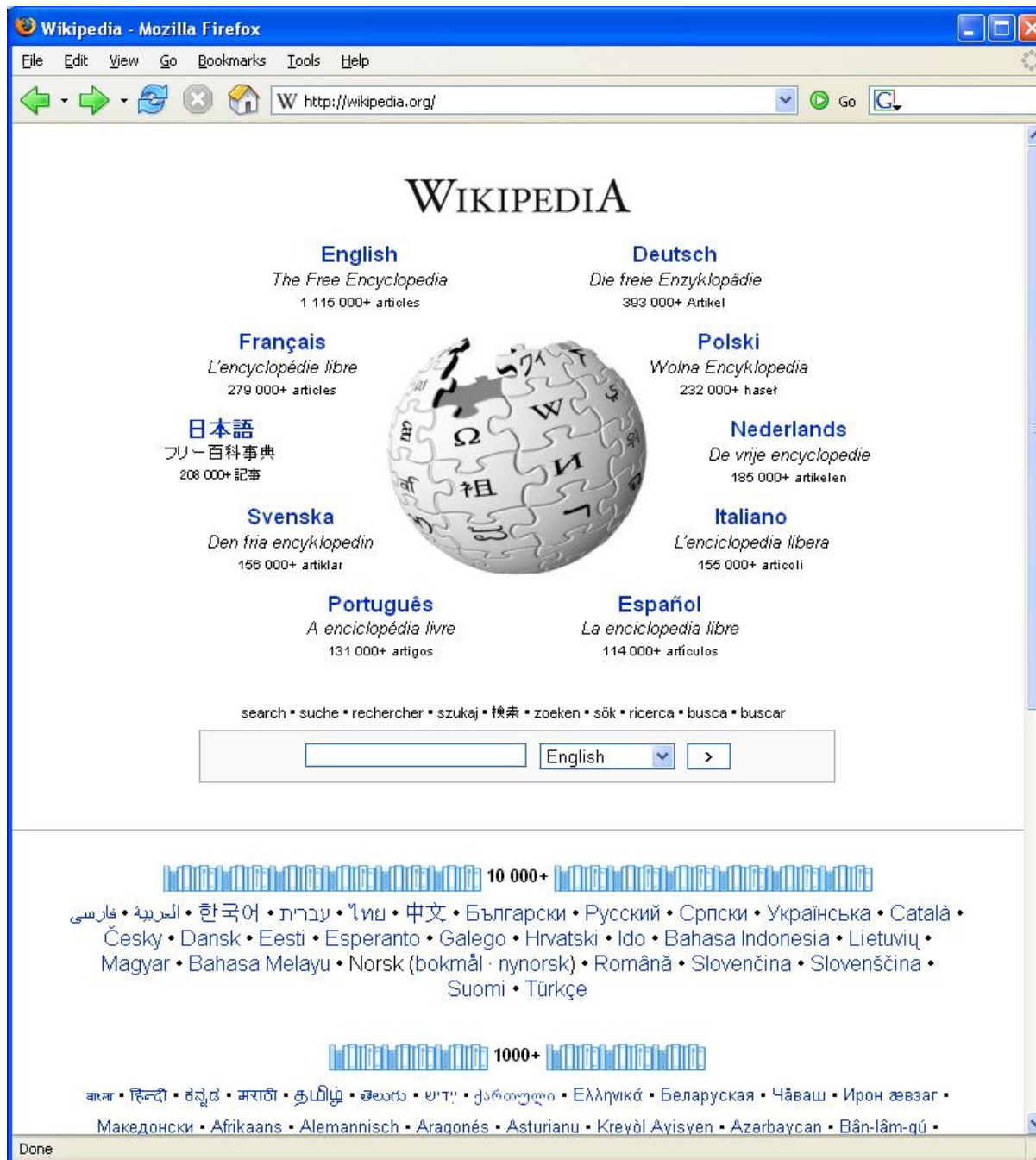
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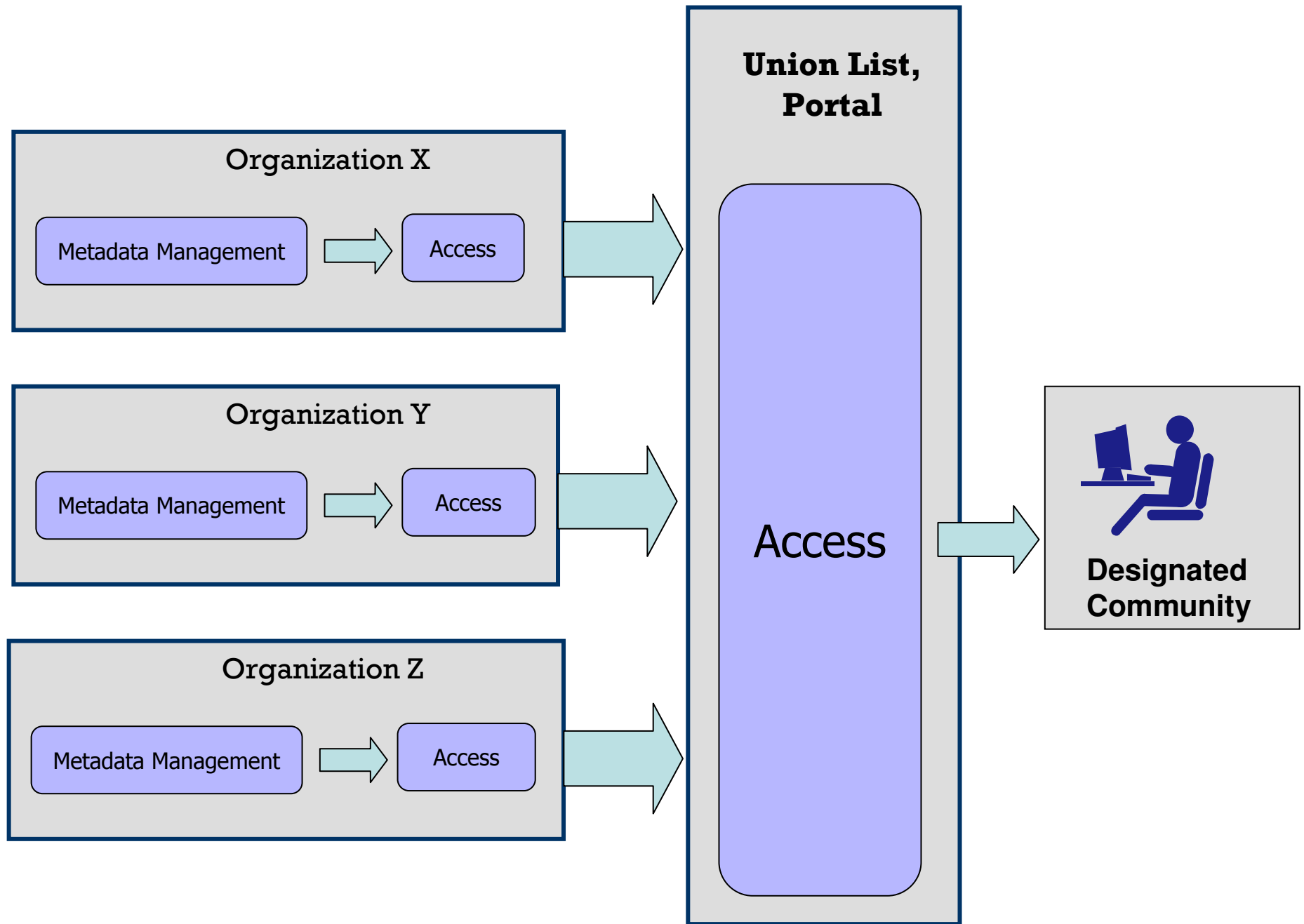


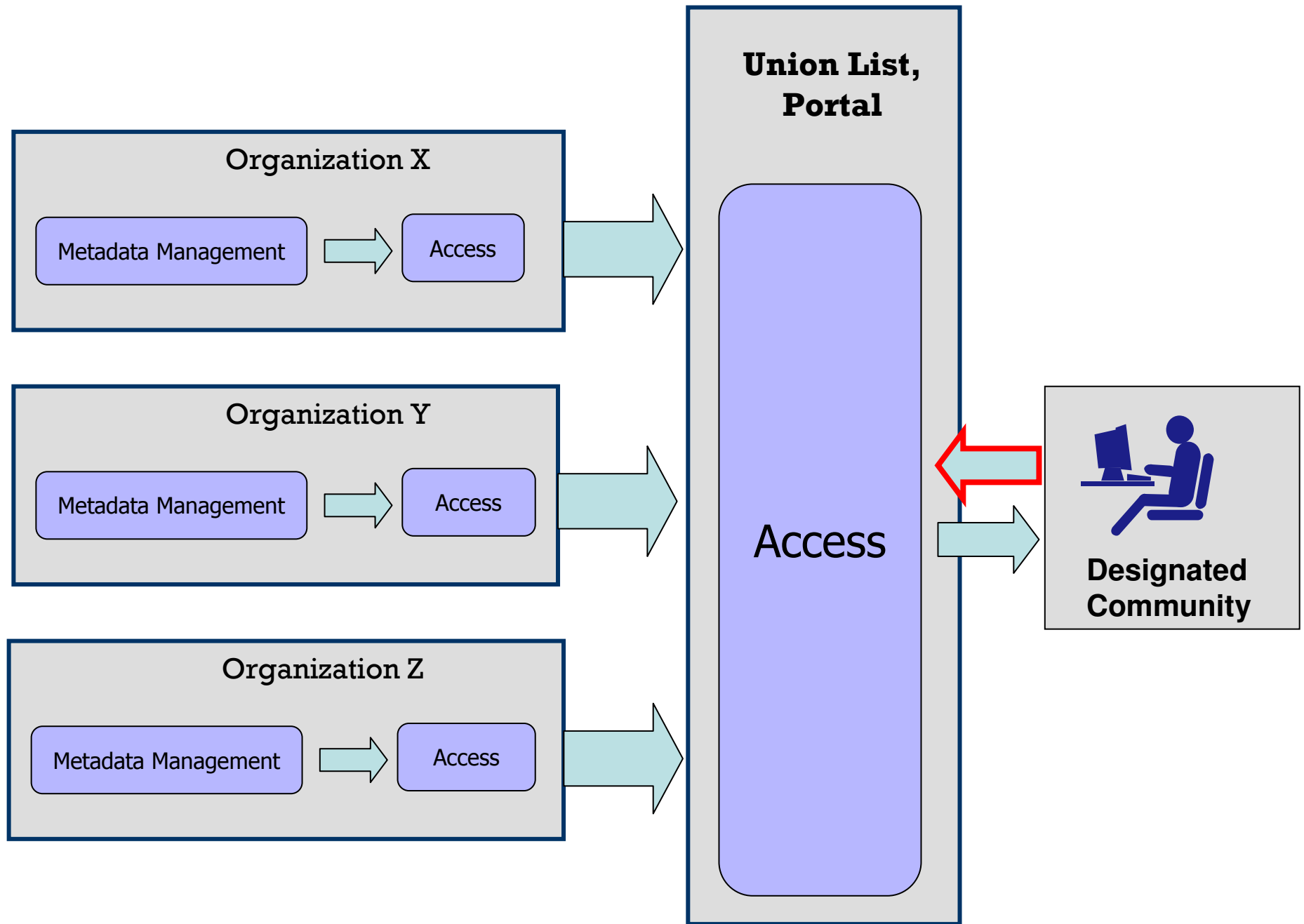
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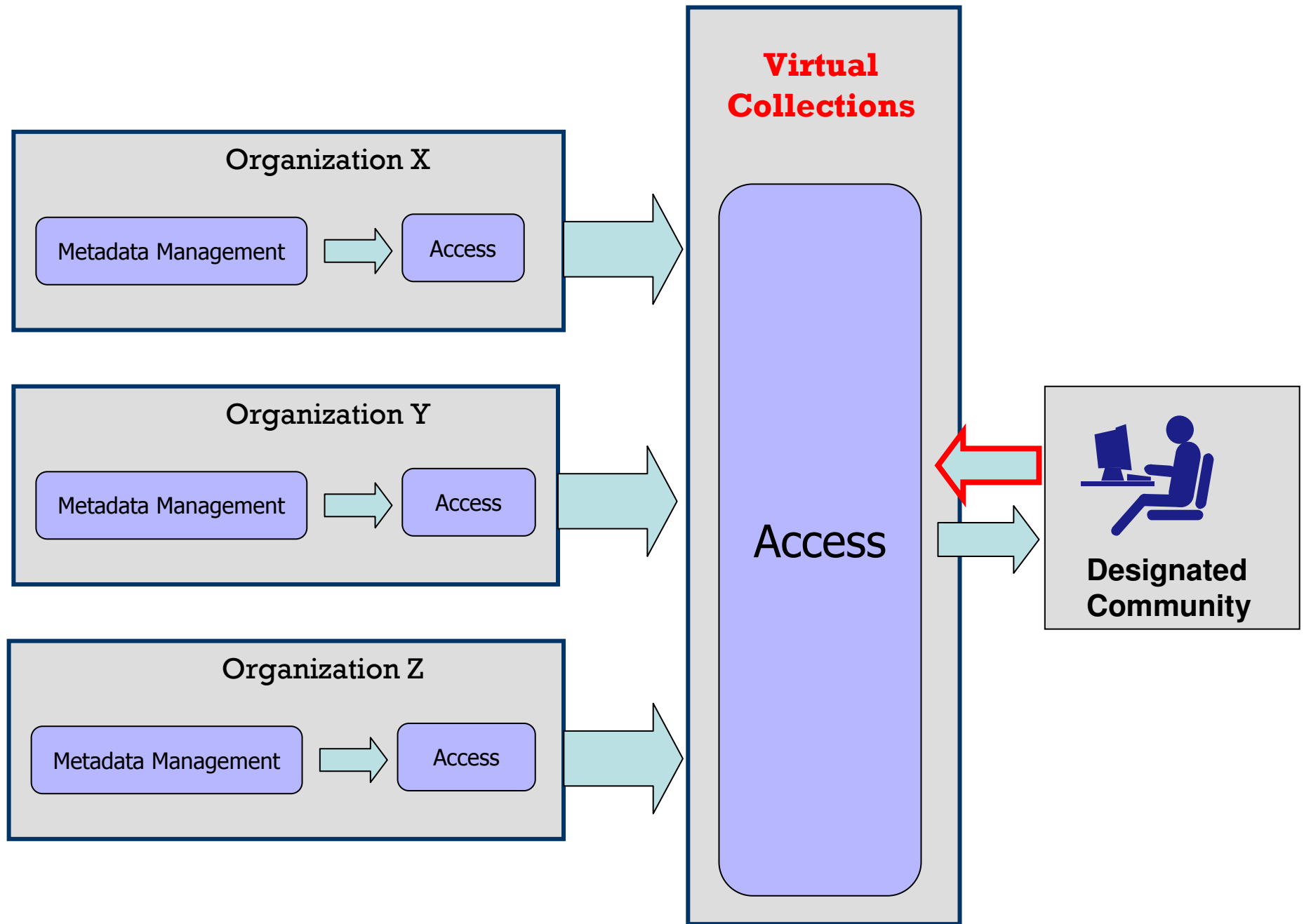


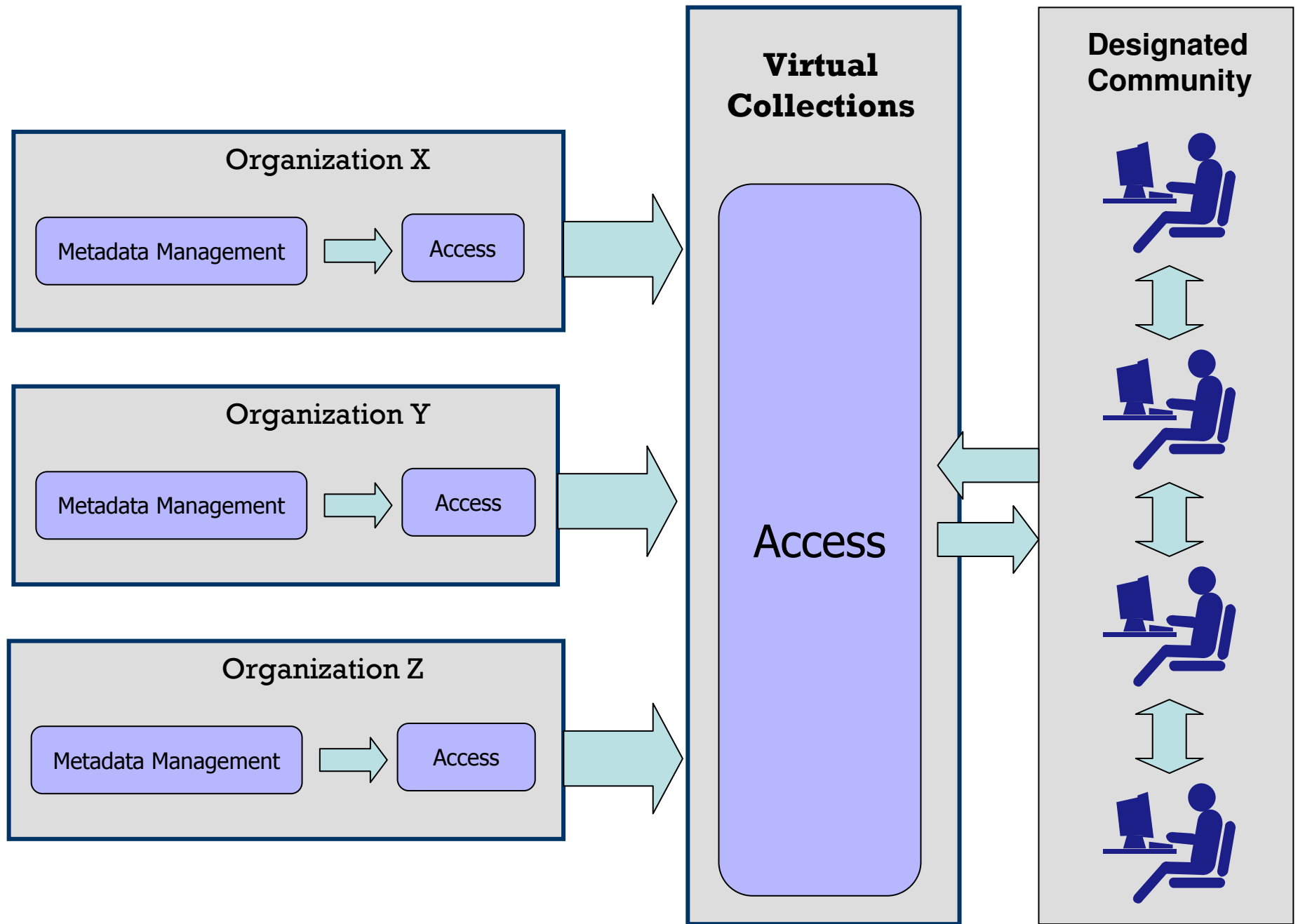
Web 2.0

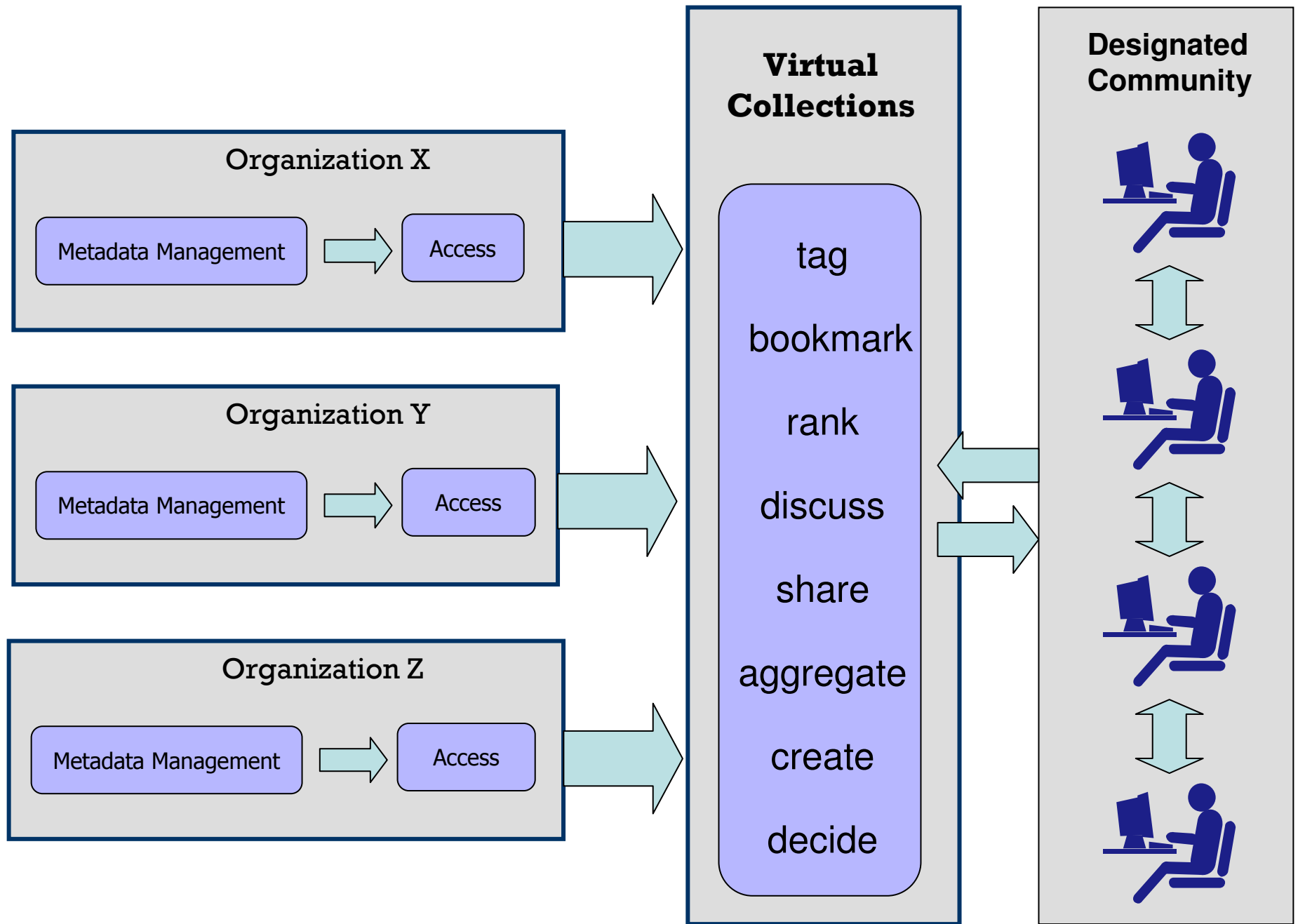
- Open architecture
- User contributions
- Social networks

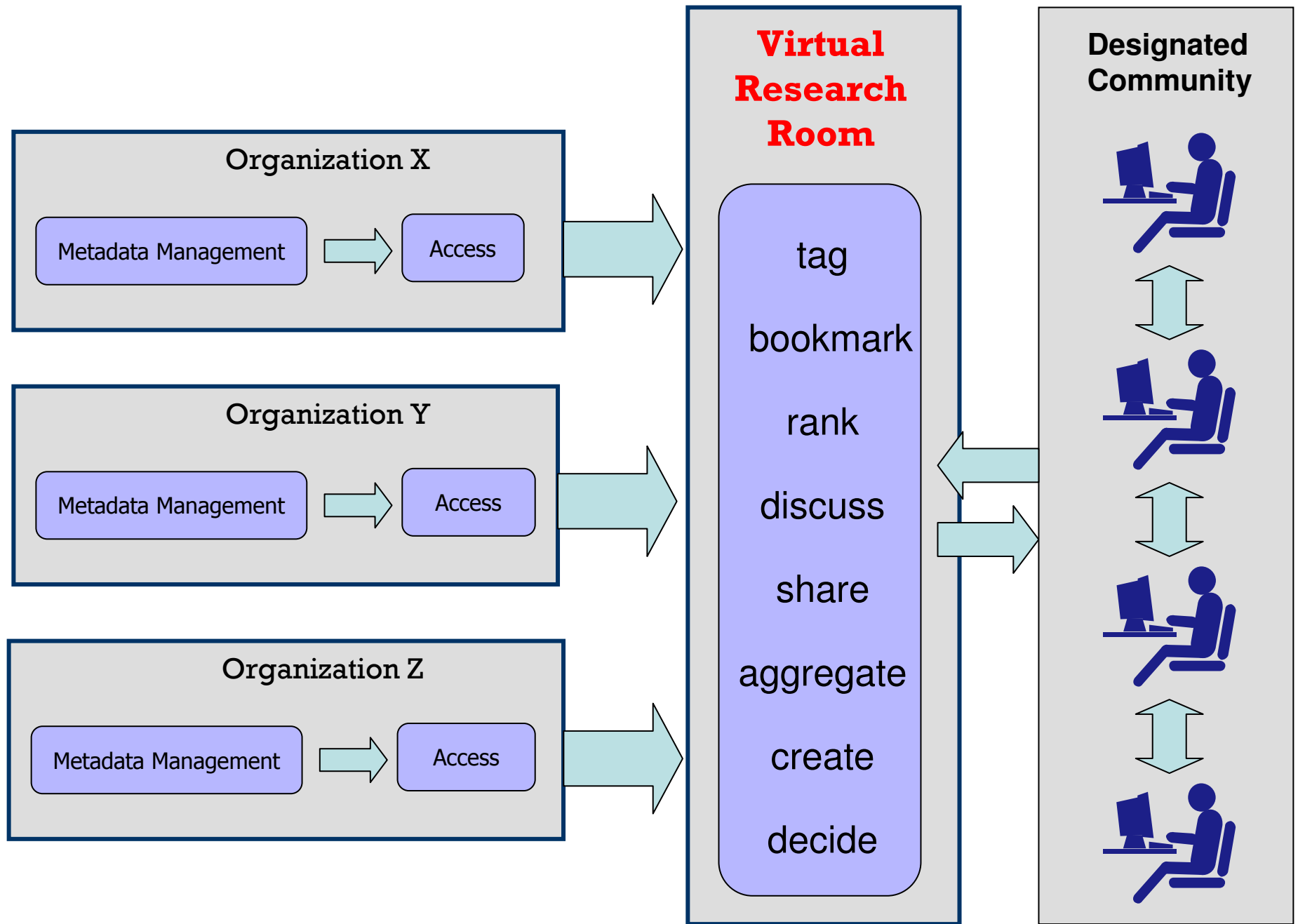












Presentation Overview

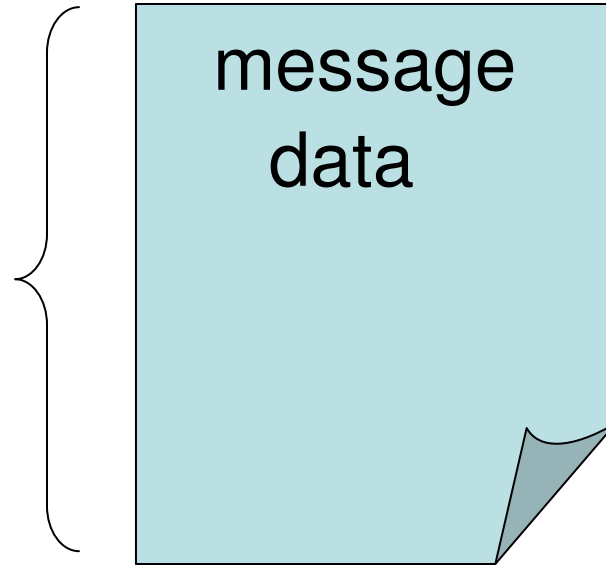
- ◇ ICA-AtoM Software Demonstration
- ◇ What is Open Source Software?
- ◇ Open Source Software for Archives
 - ◇ Pros and Cons
 - ◇ Examples
- ◇ More About the ICA-AtoM Project
- ◇ ICA-AtoM Future Directions
 - ◇ Web 2.0
 - ◇ Digital Preservation

"Digital information lasts forever
or five years, whichever comes first"

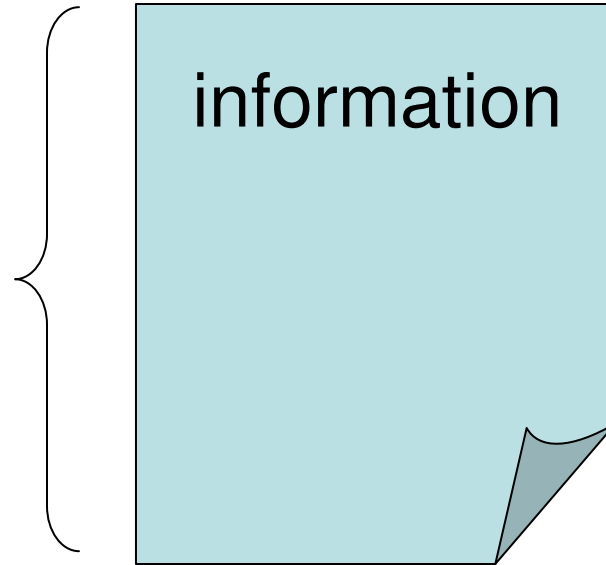
- Jeff Rothenberg, RAND Corporation

planning for the long-term
accessibility and usability of
authentic digital information

content
structure
context

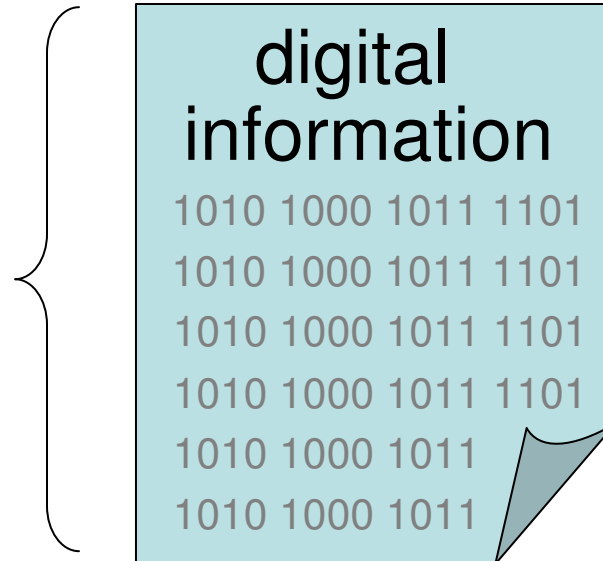


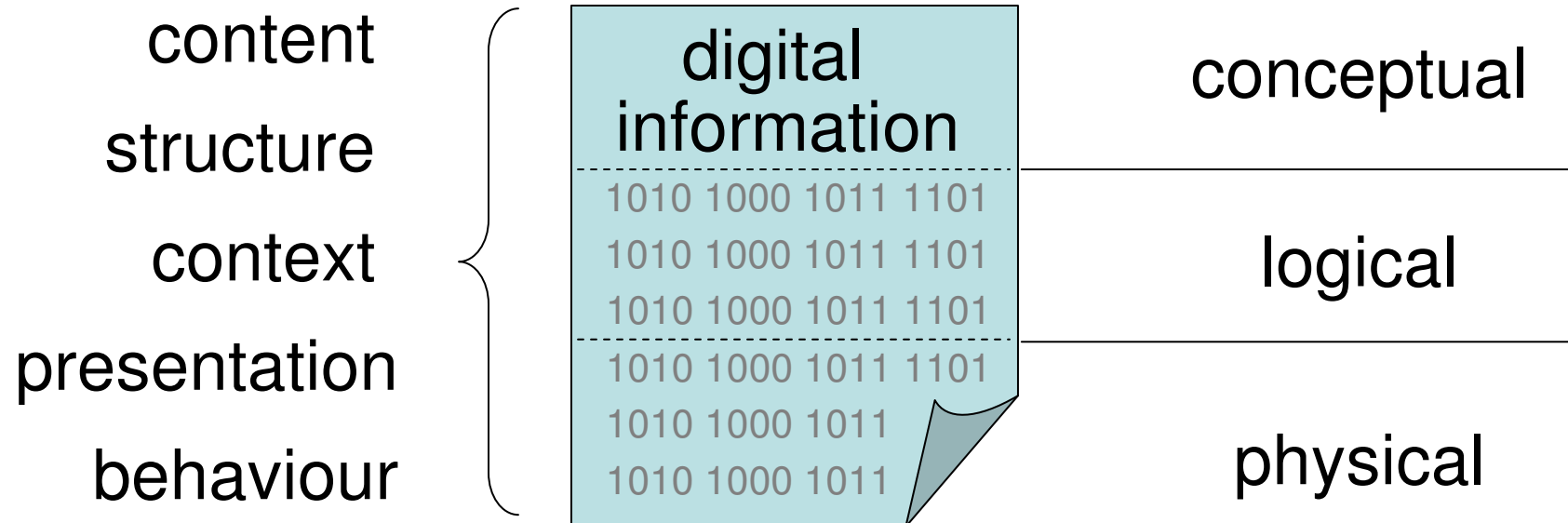
content
structure
context



information

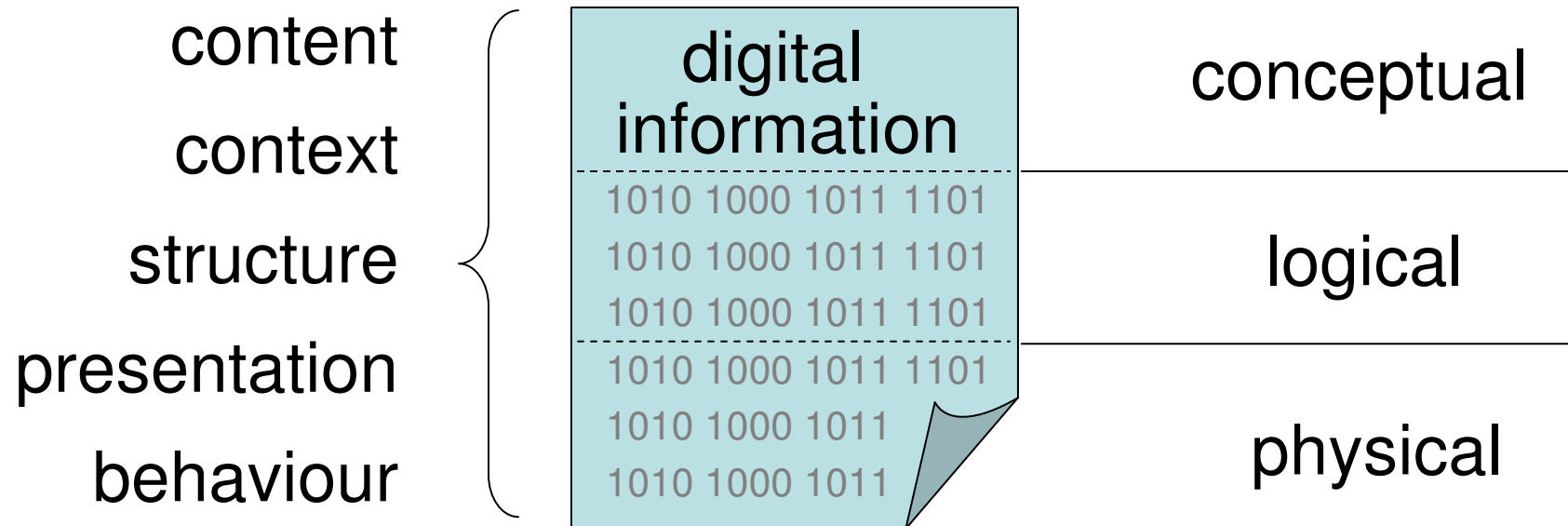
content
structure
context
presentation
behaviour



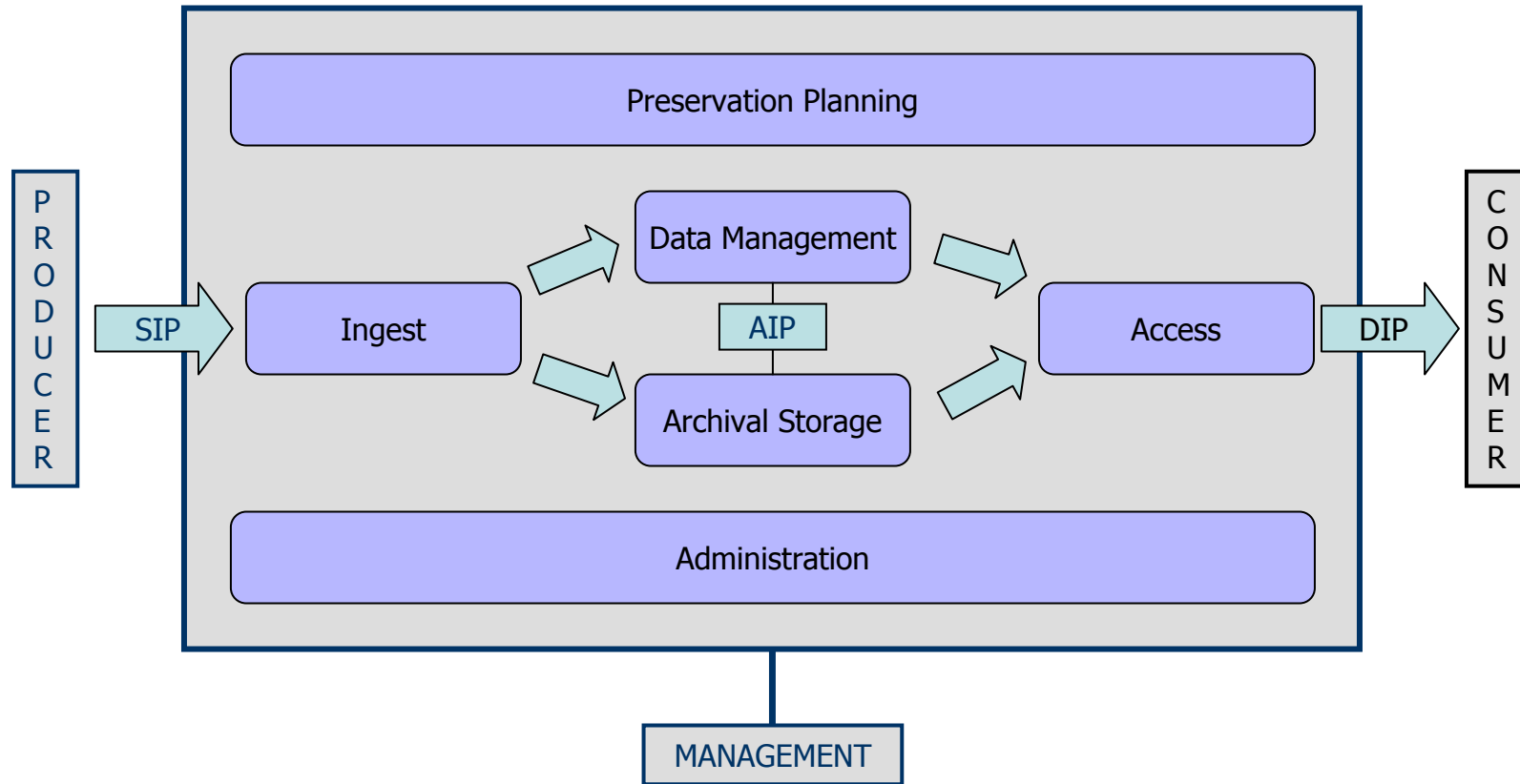


essential characteristics?

acceptable loss?



Open Archival Information System (OAIS) reference model (ISO-STD 14721)



MEMORY OF THE WORLD

Towards an Open Source Repository and Preservation System

Recommendations on the Implementation of an Open Source
Digital Archival and Preservation System and on Related
Software Development



By

Kevin Bradley

National Library of Australia

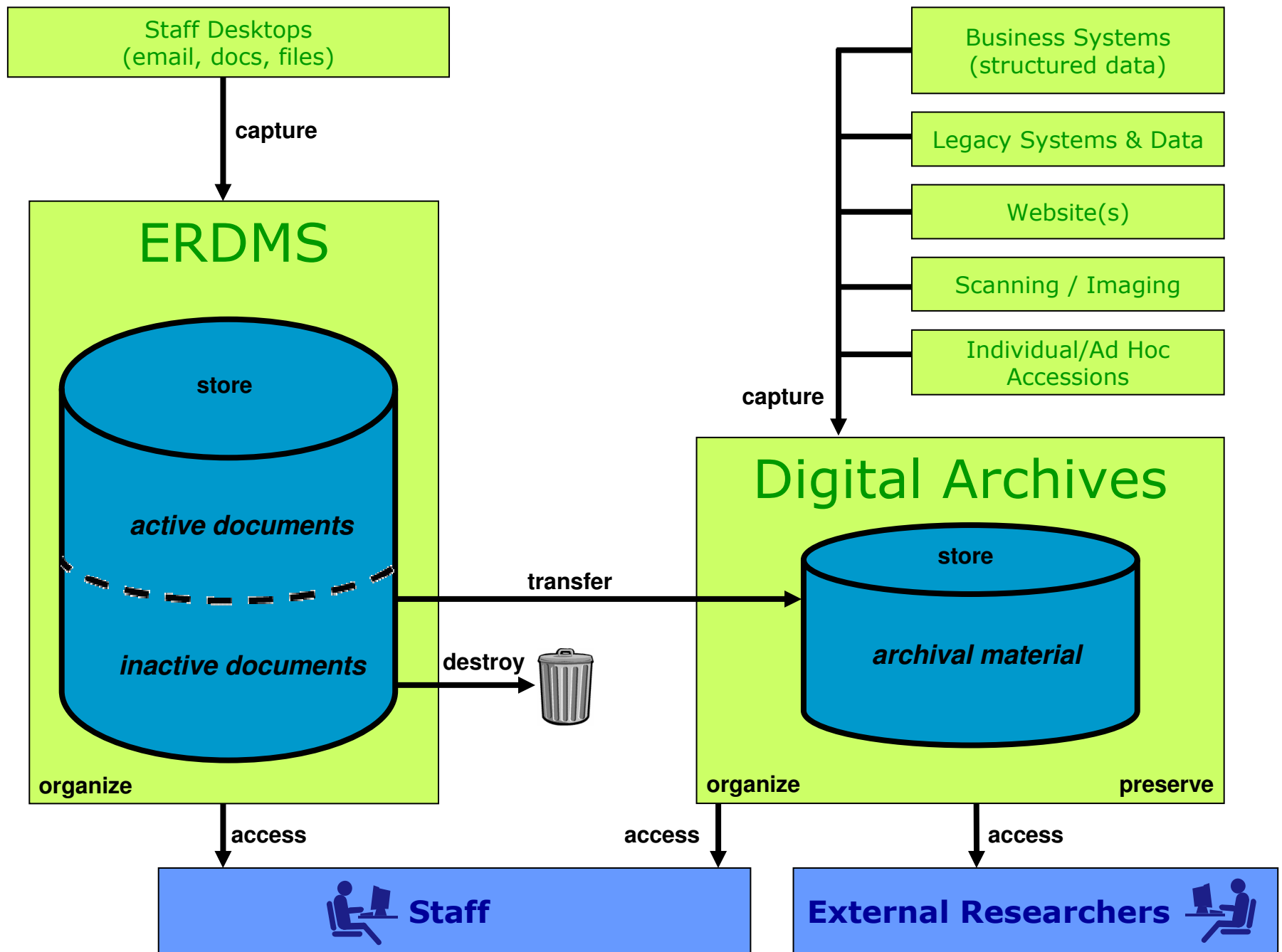
UNESCO Memory of the World Sub-Committee on Technology

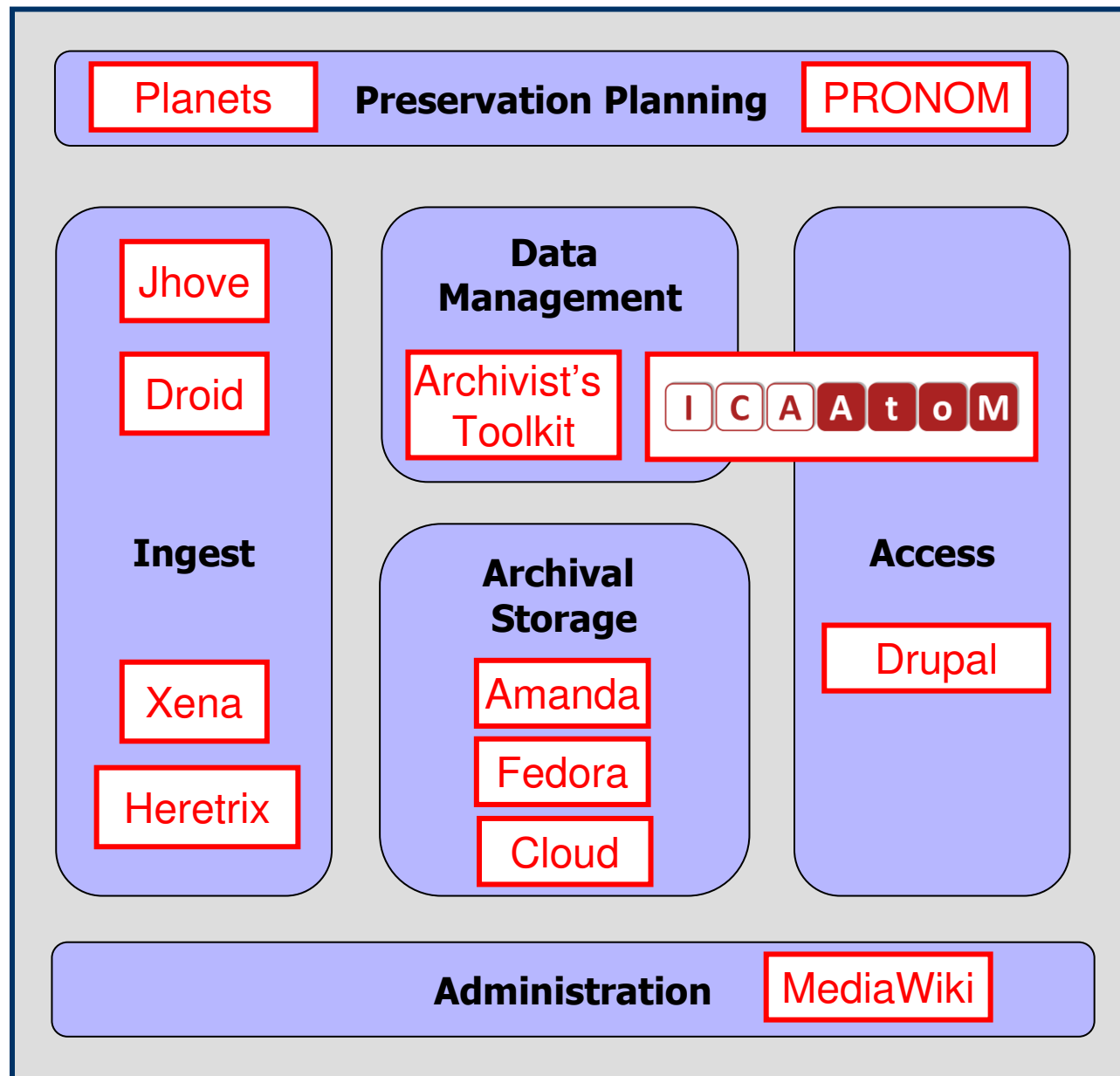
Junran Lei,

Australian Partnership for Sustainable Repositories,

Chris Blackall,

Australian Partnership for Sustainable Repositories





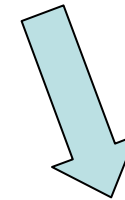
Future Directions

- Improve professional best practices for managing Archives technology

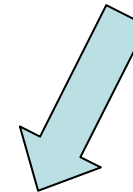
**analyze standards/
research/best practices**



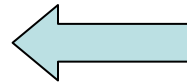
draft/update requirements



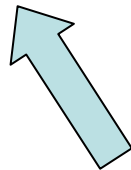
**analyze
technology
tools/utilities**



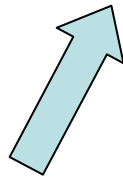
**install/integrate/
develop tools**



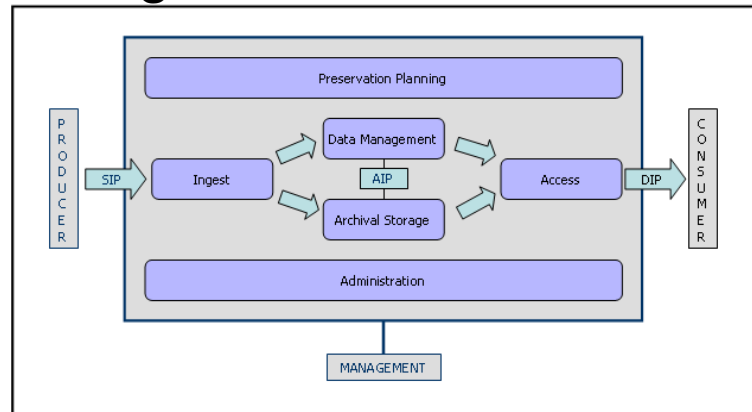
**test tools/review
operation results**



**plan system
maintenance/
upgrade**



Digital Archives architecture



Questions?

More Info?

<http://ica-atom.org>

<http://artefactual.com>

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