The ICA-AtoM Project and Open Source Software for Archives

Peter Van Garderen
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
Institution A

Institution B

Institution C

Institution Y

Institution X

Web Server

Database Server

union list/portal

direct data-entry

export

EAD xml, MARC xml, METS xml

harvest

APP, OAI, Dublin Core RDF
User manual

System overview
- What is ICA-AtoM?
- Technical requirements
- Entity types

Getting started
- Access the Home screen
- Log in
- User roles
- Screen types
- Switch language view

Add / edit content
- Add / edit archival descriptions
- Add / edit authority records
- Add / edit archival institutions
- Data entry: control area
- Edit taxonomies (terms)
- Exit edit mode

Access content
- Search content
- Browse content
- Navigate ICA-AtoM

Translate content / interface
- Design principles
- Translate descriptions
- Translate terms
- Translate static pages
- Translate interface
- Remove / restore a language

Import / export content
- Upload digital objects
- Import content
- Export content

Administer ICA-AtoM
- Install ICA-AtoM
- Set up and manage user accounts
- Customize settings
- Backup ICA-AtoM

Glossary
- Glossary of terms used throughout documentation
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 records 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.
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Free Software!!
Copyleft
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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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)
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

<table>
<thead>
<tr>
<th>Features &amp; Quality</th>
<th>FOSS Proponents say</th>
<th>FOSS Opponents say</th>
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<td>Open source is more reliable (maybe)</td>
<td>Open source has a much lower price (true)</td>
<td>Some proprietary software are not compatible with open source (true)</td>
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<tr>
<td>Open source is more secure (maybe)</td>
<td>The total cost of open source is lower (maybe)</td>
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<td>Open source is more powerful (maybe)</td>
<td>Open source is more network friendly (true)</td>
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</tr>
<tr>
<td>Open source can be more customized (true)</td>
<td>Open formats and standards are better (true)</td>
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<tr>
<td>Open source supports better curricula in technology (maybe)</td>
<td>Proprietary software has more features (true)</td>
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<tr>
<td>Open source is not mature enough for schools (false)</td>
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<table>
<thead>
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<th>Deployment &amp; Maintenance</th>
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<tbody>
<tr>
<td>With open source you only pay for what you need (true)</td>
<td>Open source makes license management easier (true)</td>
<td>Open source is harder to deploy (maybe)</td>
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<tr>
<td>Open source makes license management easier (true)</td>
<td>Open source means greater independence from companies (true)</td>
<td>Proprietary software offers better service &amp; support (maybe)</td>
</tr>
<tr>
<td>Open source means greater independence from companies (true)</td>
<td>Open source lets teachers &amp; students take software home (true)</td>
<td></td>
</tr>
<tr>
<td>Open source lets teachers &amp; students take software home (true)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Users &amp; Migration</th>
<th>FOSS Proponents say</th>
<th>FOSS Opponents say</th>
</tr>
</thead>
<tbody>
<tr>
<td>Some open source software are just as easy to learn and to use</td>
<td>Migration to FOSS is too expensive (maybe)</td>
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</tr>
<tr>
<td></td>
<td>Users are more familiar &amp; comfortable with proprietary software (true)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>It’s difficult to integrate open source &amp; proprietary solutions (maybe)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Free Markets &amp; Choice</th>
<th>FOSS Proponents say</th>
<th>FOSS Opponents say</th>
</tr>
</thead>
<tbody>
<tr>
<td>Software should be a commodity (maybe)</td>
<td>Proprietary formats and standards lead to vendor lock in (true)</td>
<td>Proprietary software may be needed to use some third-party programs (maybe)</td>
</tr>
<tr>
<td>Proprietary formats and standards lead to vendor lock in (true)</td>
<td>Proprietary software leads to monopolies (maybe)</td>
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</tr>
<tr>
<td>Proprietary software leads to monopolies (maybe)</td>
<td></td>
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</tr>
</tbody>
</table>
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 easier for someone in the user community to spot and fix leaks themselves
Security

- Secrecy ≠ 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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## JHOVE: JSTOR/Harvard Object Validation Environment 1.0

<table>
<thead>
<tr>
<th><strong>DN</strong></th>
<th>=format-registry, dc=uniacs, dc=umd, dc=edu</th>
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<tbody>
<tr>
<td><strong>Description</strong></td>
<td>JSTOR/Harvard Object Validation Environment</td>
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<tr>
<td><strong>Version</strong></td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Owner Name</strong></td>
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<td><strong>Owner Type</strong></td>
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<td><strong>Web Site</strong></td>
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<td><strong>Supported By</strong></td>
<td></td>
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<tr>
<td><strong>Supported Until</strong></td>
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**Run**

**Get info**

**Get info**

**OK**
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<tr>
<th>Source</th>
<th>Guessed Type</th>
<th>Normaliser</th>
<th>Success</th>
<th>Destination</th>
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GLASGOW DSpace SERVICE

Edit Communities and Collections

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<tr>
<th>Archives</th>
<th>1721.1/78 (DB ID: 11)</th>
<th>Edit</th>
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<th>Create Collection</th>
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Create Community...
**Evaluate Experiment**

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<th>Focus</th>
<th>Website</th>
<th>Node</th>
<th>Record characteristics</th>
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<td></td>
<td></td>
<td>X</td>
<td>Record characteristics</td>
</tr>
<tr>
<td></td>
<td></td>
<td>▶ Appearance</td>
<td></td>
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<tr>
<td></td>
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<td>X</td>
<td>Content</td>
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<td></td>
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<td>▶ Freeze</td>
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<tr>
<td></td>
<td></td>
<td>X</td>
<td>Context</td>
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### deactivate > mailto:

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<th>second</th>
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<tbody>
<tr>
<td>solutionA</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>solutionB</td>
<td>Yes</td>
<td>Yes</td>
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</tbody>
</table>

### preserve > menus

<table>
<thead>
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<th>second</th>
</tr>
</thead>
<tbody>
<tr>
<td>solutionA</td>
<td>complete</td>
<td>complete</td>
</tr>
<tr>
<td>solutionB</td>
<td>navigable</td>
<td>missing</td>
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### preserve > pop-ups

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</tr>
</thead>
<tbody>
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<td>Yes</td>
</tr>
<tr>
<td>solutionB</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### freeze > current date/time

<table>
<thead>
<tr>
<th>Alternative</th>
<th>first</th>
<th>second</th>
</tr>
</thead>
<tbody>
<tr>
<td>solutionA</td>
<td>frozen</td>
<td>frozen</td>
</tr>
<tr>
<td>solutionB</td>
<td>missing</td>
<td>frozen</td>
</tr>
</tbody>
</table>

### freeze > visitor counter

<table>
<thead>
<tr>
<th>Alternative</th>
<th>first</th>
<th>second</th>
</tr>
</thead>
<tbody>
<tr>
<td>solutionA</td>
<td>missing</td>
<td>frozen</td>
</tr>
<tr>
<td>solutionB</td>
<td>current</td>
<td>current</td>
</tr>
</tbody>
</table>

### freeze > Newsfeeds

<table>
<thead>
<tr>
<th>Alternative</th>
<th>first</th>
<th>second</th>
</tr>
</thead>
<tbody>
<tr>
<td>solutionA</td>
<td>frozen</td>
<td>frozen</td>
</tr>
<tr>
<td>solutionB</td>
<td>frozen</td>
<td>frozen</td>
</tr>
</tbody>
</table>
Title: American Vacuum Society records,

Accession Number: AR 1998 421
Accession Date: 1/14/1998

Resources Linked to this accession
- AR 1998 421: American Vacuum Society records

Resource Type: Member Society
Title: American Vacuum Society records,

Extent
- Extent Number: 11 Linear feet
- Container Summary: 11 Paige box

Repositories: NBLA

Deaccessions
- Deaccession Date
- Extent
- Extent Measurement

Locations
- Location: ACP - Other Gee Notes
  - Note: CHP Closet/MM's office
- ACP - 2 - Archives - Stacks Range 1.
  - Note: ACP - 2 - Archives - Stacks Range 1.
  - Note: ACP - 2 - Archives - Stacks Range 1.

General Accession Note
Preliminary inventory done.

Created: Feb 14, 2008 by admin | Modified: Feb 27, 2008 by mmatanz | Record Number: 18979
Presentation Overview

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  ◊ Pros and Cons
  ◊ Examples
◊ More About the ICA-AtoM Project
◊ ICA-AtoM Future Directions
  ◊ Web 2.0
  ◊ Digital Preservation
Project Background

◊ ICA OSARIS project (2003)


◊ 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

<table>
<thead>
<tr>
<th>Year</th>
<th>Organization</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>UNESCO</td>
<td>40,000</td>
</tr>
<tr>
<td>2006</td>
<td>World Bank Archives</td>
<td>8,000</td>
</tr>
<tr>
<td>2006-2007</td>
<td>Archiefschool</td>
<td>100,000</td>
</tr>
<tr>
<td>2007</td>
<td>French Archives Directorate</td>
<td>30,000</td>
</tr>
<tr>
<td>2008</td>
<td>United Arab Emirates CDR</td>
<td>167,000</td>
</tr>
<tr>
<td>July 2008</td>
<td><strong>TOTAL RELEASE 1.0 FUNDING</strong></td>
<td><strong>€345,000</strong></td>
</tr>
</tbody>
</table>
ICA-AtoM Governance Model
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
Overview
ICA-Atom is an open source archival description software that is based on International Council on Archives (ICA) standards. ICA-Atom is an acronym for ‘Access to Memory’.

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 organisation.

Check the ICA-Atom discussion group for the latest project information and news.
About the ICA-AtOM Project

A. Project Purpose

The purpose of the ICA-AtOM Project is to 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
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

B. Project Values

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

1. openly sharing technical expertise
2. promoting professional best practices
3. building an active community of users and developers
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

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  ◊ Web 2.0
  ◊ Digital Preservation
Creative Commons International

Brazil

The Brazil license has now been integrated into the Creative Commons licensing process, so you are able to license your works under this jurisdiction’s law.

The latest version of the licenses available for this jurisdiction are:

- Attribution 2.5 Brazil
- Attribution-Noncommercial 2.5 Brazil
- Attribution-Noncommercial-No Derivative Works 2.5 Brazil
- Attribution-Noncommercial-Share Alike 2.5 Brazil
- Attribution-No Derivative Works 2.5 Brazil
- Attribution-Share Alike 2.5 Brazil
May 19, 2006
Open Schools Archive launched
The Open Schools Archive offers free archive content from the BBC for use in education...more

May 15, 2006
Experimental prototype of the BBC’s archive catalogue launched
The BBC has launched a prototype of its programme catalogue which can be browsed online...more

The Creative Archive Licence
- No commercial use
- Share alike
- Give credit
- No endorsement

Creative Archive Licence Group
BBC
Channel 4
Open University
British Film Institute
Teachers' TV
...more
Gala

Lush

Available from these sellers.

8 used & new available from $6.95

Customers who bought this album also bought
- Gauvain ~ Revolution
- Where ~ Pepsi
- Fernier ~ Catherine Wheel
- Unrelied ~ My Bloody Valentine
- Cast ~ First of Lush
- Glider ~ My Bloody Valentine
- Doppelganger ~ Curve
- Tremola ~ My Bloody Valentine

Explore Similar Items: in Music

Product Details
- Audio CD (December 6, 1990)
- Original Release Date: November 13, 1990
- Number of Discs: 1
- Label: Warner Bros / Wea
latest front page stories

Microsoft’s War-Plan Against Google
90 diggs
3 hours 40 minutes ago
Microsoft will increase investments by 100% in MSN, Windows Live and its other online businesses to $1.6 billion next year as it escalates a battle with Google, its chief executive said Thursday.

Goodbye BearShare! Limewire and the rest soon to follow....
275 diggs
3 hours 20 minutes ago
Online file-sharing service BearShare, along with operators Free Peers Inc., is packing it up due to a $30 million settlement with the recording industry. The conditions of the settlement were agreed to by the P2P company to avoid further copyright infringement litigation.

Playstation 3 Cell Yields "Horrible"
313 diggs
5 hours 10 minutes ago
The problem is that IBM and Sony designed the chip for some very aggressive process technologies that did not materialize in the way the fab boys were expecting. Because of this, we are told Sony is scrambling to get yields up before it has to make them for real, a fact approaching deadline.

Hacker hits Toronto transit message system.
332 diggs
17 minutes ago
With a $26 remote he was able to reprogram scrolling LED signs on local trains.

The problem with MPAA’s shocking piracy numbers
327 diggs
2 hours 59 minutes ago
One of this month’s top stories will be the MPAA’s startling revelation that even it had underestimated the threat of piracy. HOWEVER, the great US$6.1 billion figure looks to have a good deal of questionable padding in it, much like most other
del.icio.us
social bookmarking

» all your bookmarks in one place
» bookmark things for yourself and friends
» check out what other people are bookmarking

get started

hotlist
what's hot right now on del.icio.us

HOT NOW

Photojojo » 101 Photoshop Tips in 5 Minutes — This Is Rapid-Fire Learning, Folks
first posted by an1625 | photoshop | tutorials | photography | video | tips | tags
114 people

SEOmoz | The Evil Side of Google? Exploring Google's User Data Collection
first posted by robmccormick | google | privacy | data | security | internet | tags
113 people

Judge Orders YouTube to Give All User Histories to Viacom | Threat Level from Wired.com
first posted by RexYgrek | privacy | youtube | google | copyright | viacom | tags
118 people

Best Restaurants in America | Where the Locals Eat
first posted by moderncashem | restaurants | food | travel | restaurant | tags
139 people

Tags
A tag is simply a word you use to describe a bookmark. Unlike folders, you make up tags when you need them and you can use as many as you like. The result is a better way to organize your bookmarks and a great way to discover interesting things on the Web.

movies
No Country for Raising Arizona | The Cleverest Retweeting @guykawasaki: Wall-e Easter eggs: I caught the mac boot-up sound when Wall-E recharges and Ratzenberger
Buy N Large — Full Site Coming Soon

evironment
26 Billion Bottles of Water [PIC]
Copper will be gone by the end of the century. Gallium, used for flat screens, will be gone by 2017. Zinc will be gone b...
Inhabitat - source on the future of design

howto
Vlc: Master Your Digital Media with Vlc
Set Gmail as your default email client in Firefox 3
how to create a Wordpress style theming sub-system in Symfony
ArchivesGeekFest: the world’s first BarCamp for archivists?
June 5th, 2006 · 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 ECAUL 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...
The ICA-AtoM Project is growing up

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

It was a little over two years ago now that Peter Horsman of the Dutch Archief school 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 3.0 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.

Tags: → 2 Comments

ICA-AtoM Goes Provincial

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

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

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

- RECENT BOOKMARKS
- how to create a Wordpress style theming sub-system in Symfony
- css for absolute position footers
- Virtualisation: A Symfony Developer's Best Friend - Part 1 | Symfony Staff
- MapMyRun.com: Amsterdam - Herengracht flat/Vondelpark loop
- Cartii
Cartii is a location database that anyone can edit.
- HighScalability.com
Tips, tricks, advice on improving website scalability
- Obloh.net
open-source project metrics and networking
- MapMyRun.com: NewWestick-SappertonStart

Peter is PeterYG on del.icio.us
Peter has 227 bookmarks.

how to create a Wordpress style theming sub-system in Symfony
tags: symfony, theming

css for absolute position factors
tags: css

Virtualization: A Symfony Developer's Best Friend - Part 1 ||
tags: symfony, virtualization

MapMyRun.com: Amsterdam - Herengracht flat/Yondelpark loop
tags: running

Cortik
Cortik is a location database that anyone can edit.
tags: wiki, maps

Peter has added 10 songs and likes 79 artists.

Write a comment about my music...

Transmission by
Joy Division

Find A Way by Smoosh

Online Friends (5)
News Feed

🌟 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.

 altında Stuart Main changed his about me to "It's 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.

Bookmark: Main Articles: 'Towards an Application Profile for Images', Ariadne Issue 55

👩‍💻 Stuart Main became a fan of TELUS.

TELUS
Technology Product / Service
2,805 fans - Become a Fan
See more Pages

👩‍💻 Stuart Main added the Addicted to House application.

👩‍💻 Dave Dash has activity on FriendFeed.
Web 2.0

• Open architecture
• User contributions
• Social networks
Metadata Management

Organization X

Metadata Management

Organization Y

Metadata Management

Organization Z

Access

Union List, Portal

Designated Community
Virtual Collections

Access

Designated Community

Organization X
- Metadata Management
  - Access

Organization Y
- Metadata Management
  - Access

Organization Z
- Metadata Management
  - Access
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  ◊ 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

message
data
content
structure
context

\{ information \}
content
structure
context
presentation
behaviour

digital information
1010 1000 1011 1101
1010 1000 1011 1101
1010 1000 1011 1101
1010 1000 1011 1101
1010 1000 1011
now

- digital information
  - stored
    - conserved
      - protected

- header information
- error correction
- file system
  - package
  - operating system
  - metadata
  - user interface
- application software
- input / output devices

future

- authenticate
- relate / bind
- find
- contextualize

bitstream
- storage media
- storage device
  - application software
essential characteristics?
acceptable loss?

content
context
structure
presentation
behaviour

digital information

conceptual

logical

physical
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

United Nations Educational, Scientific and Cultural Organization
Paris, June 2007
Future Directions

• Improve professional best practices for managing Archives technology
Questions?

More Info?

http://ica-atom.org
http://artefactual.com