Eastern Illinois University

From the SelectedWorks of Todd A. Bruns

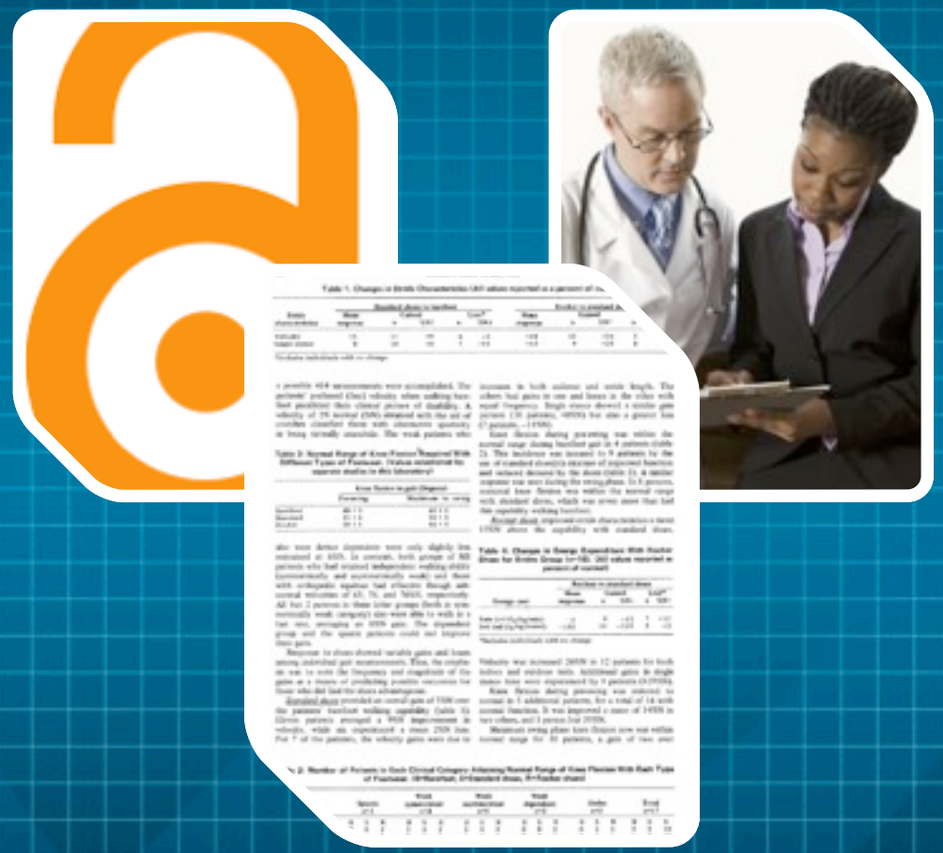
November, 2012

Open Access & Beyond: The Nuts and Bolts of Repositories

Todd Bruns, *Eastern Illinois University*

Available at: https://works.bepress.com/todd_bruns/25/

OPEN ACCESS & BEYOND: THE NUTS AND BOLTS OF REPOSITORIES



TODD BRUNS

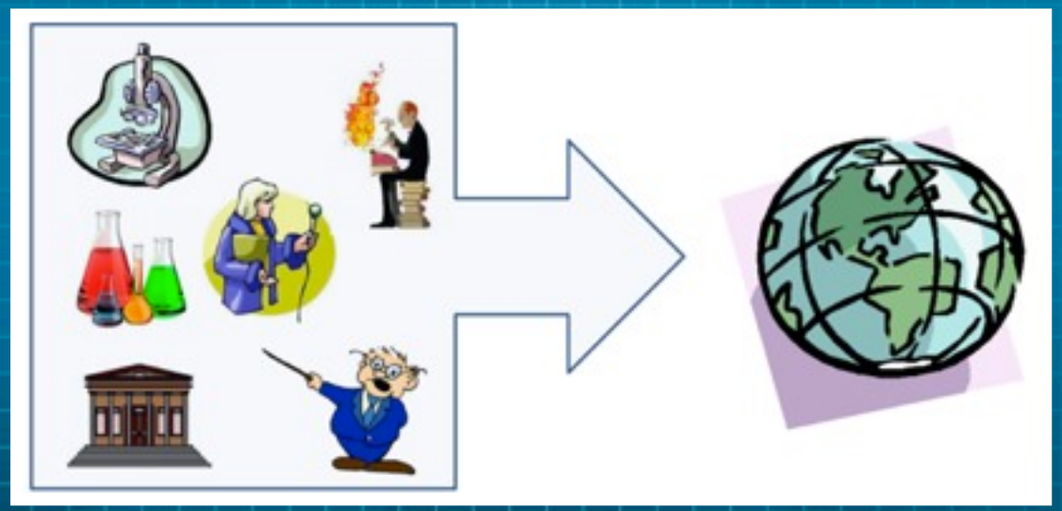
INSTITUTIONAL REPOSITORY LIBRARIAN

EASTERN ILLINOIS UNIVERSITY

HEALTH SCIENCE LIBRARIANS OF ILLINOIS, 2012

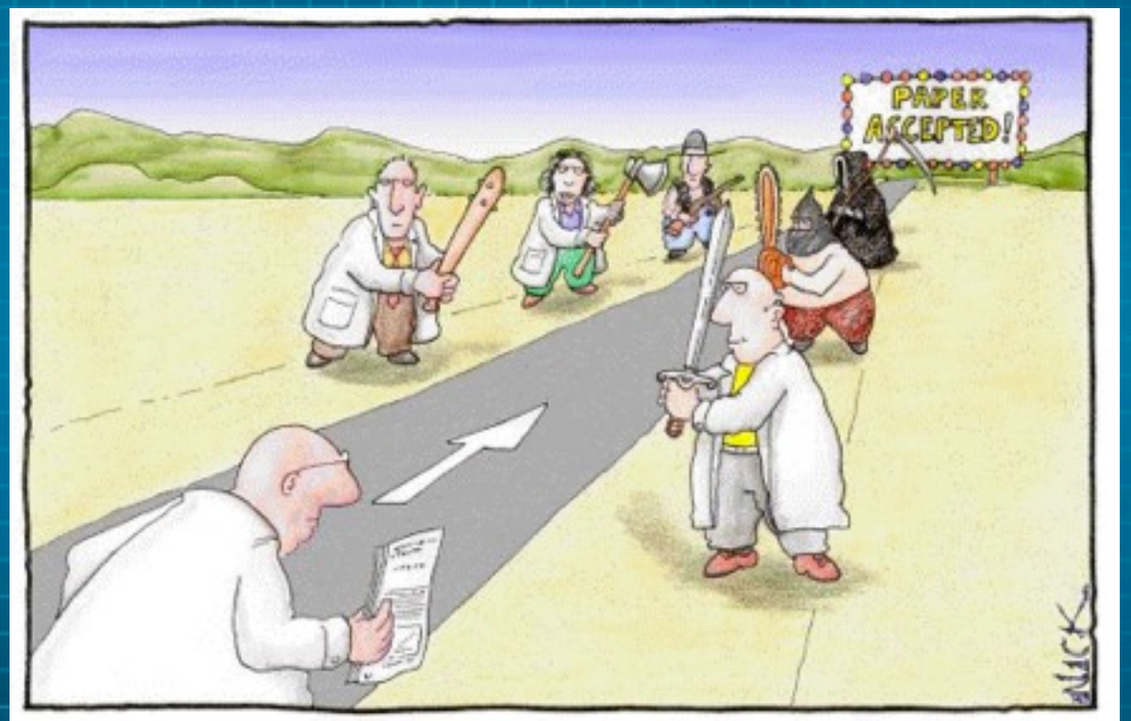
AGENDA

- Before You Start
- Setting Up
- Policies
- Technical Sustainability
- Advocacy (Managing Growth)
- Optimization
- Benchmarking



Before You Start: what's open access (oa)?

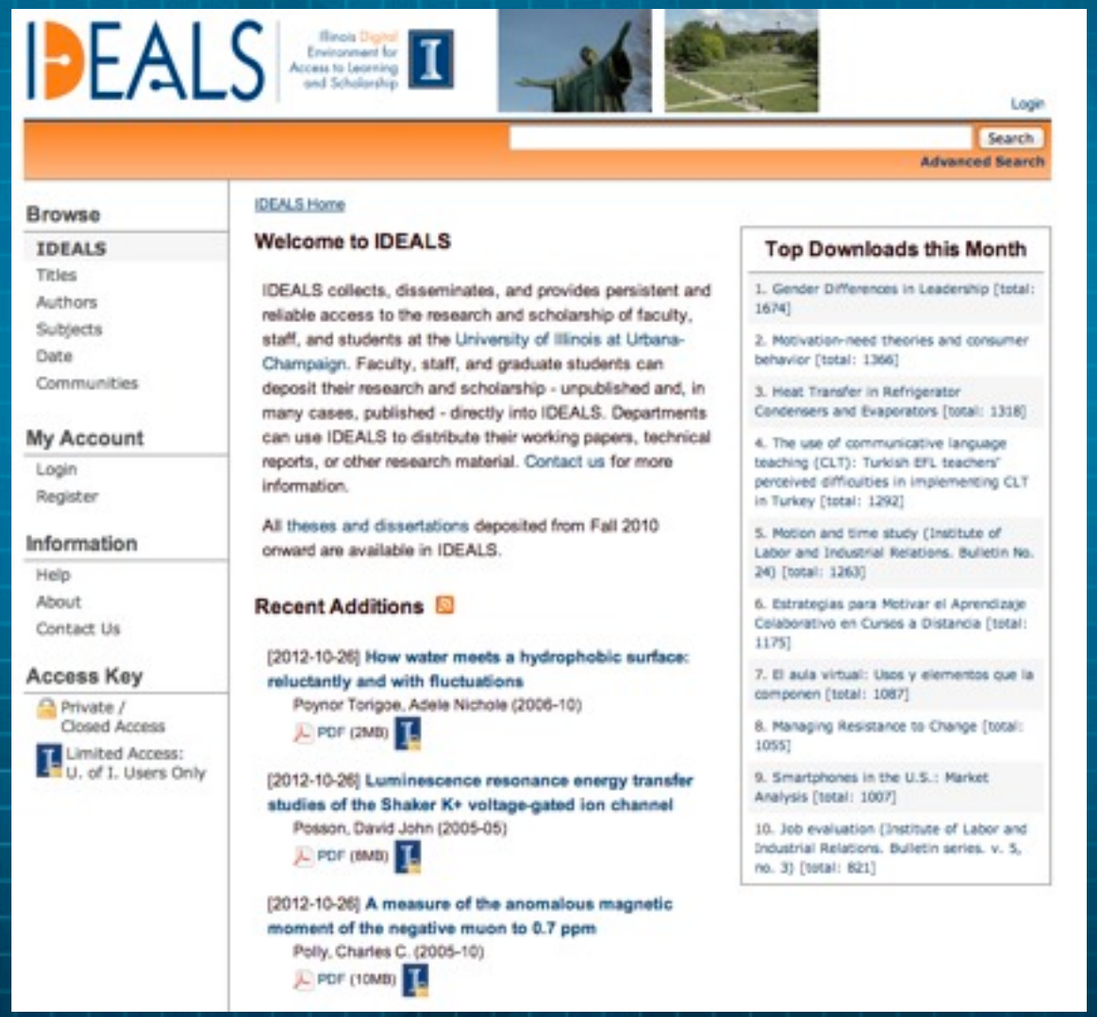
- digitized content
- accessible online
- freely available
- free of most copyright & licensing restrictions
- peter suber: "bbb definition"



Most scientists regarded the new streamlined peer-review process as 'quite an improvement.'

Before You Start: What's a Repository?

- way of storing and presenting digital content
- dissemination
- wide range of types and uses
- what goes in: policy and technical issues
- generally discrete files



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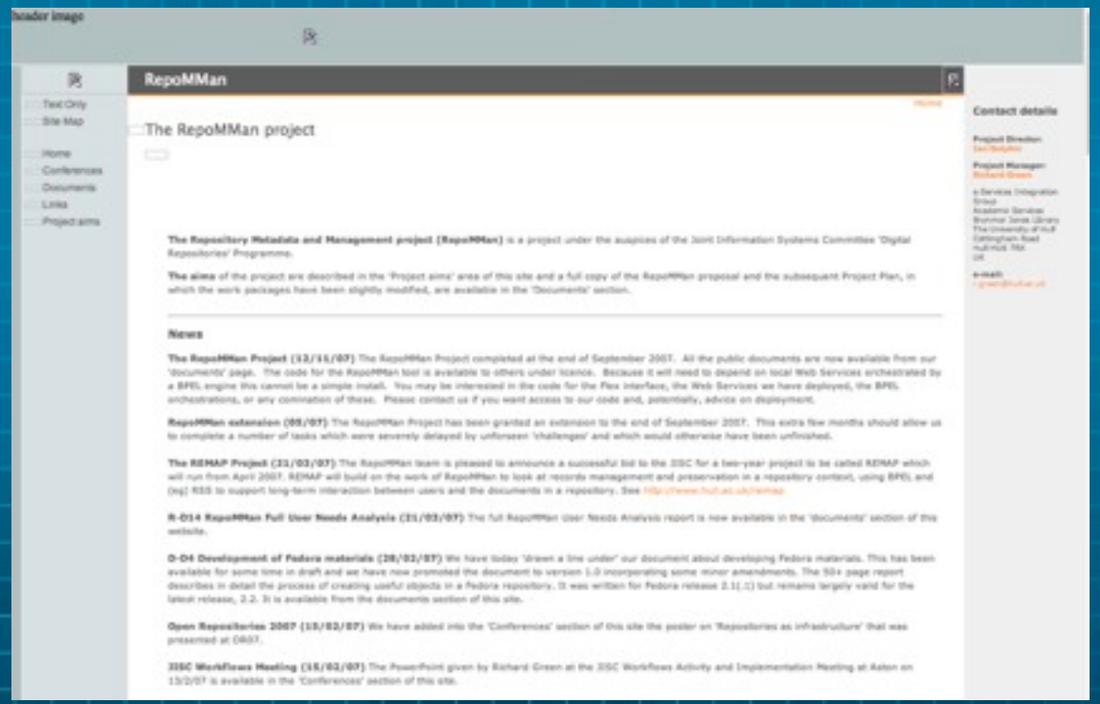

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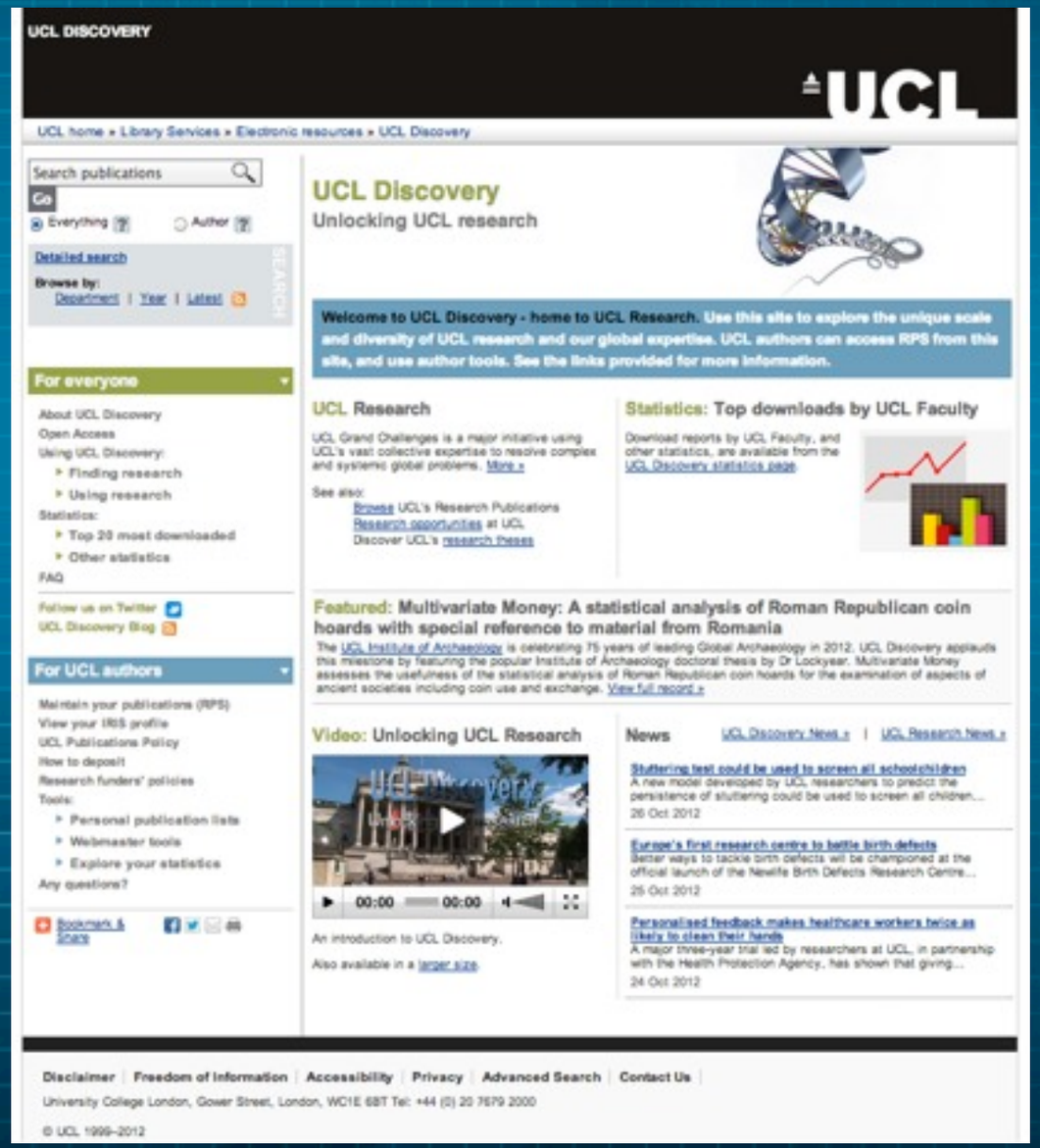

Before You Start: What's a Repository?

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- dissemination
- wide range of types and uses
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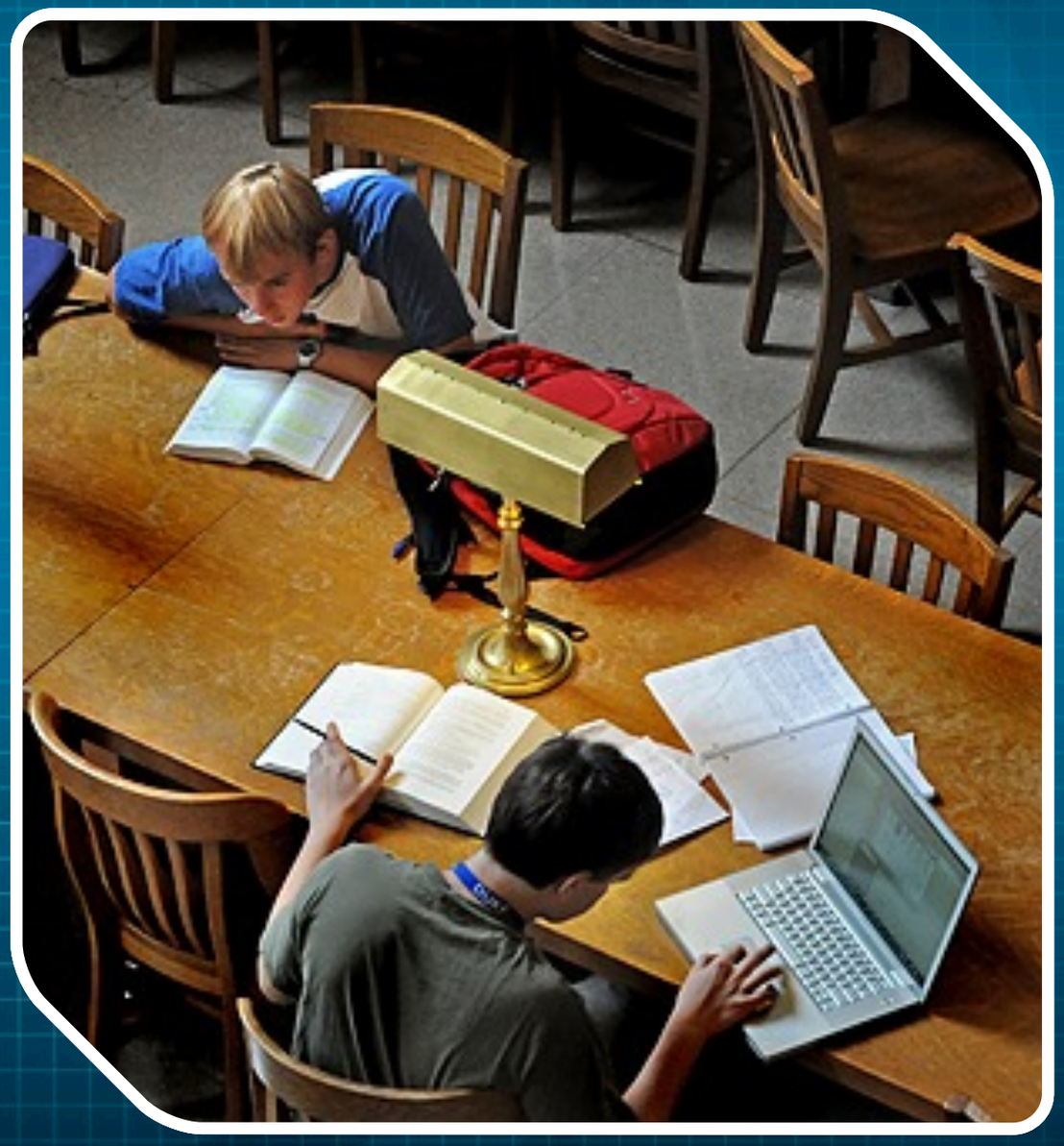
- generally discrete files

Before You Start: Benefits

- for researchers
- for the institution
- for the global community



Before You Start: Creating Buy-In

- more challenging than technical implementation
- define message and motivation
- engagement:
  - intellectual
  - emotional
  - political

Before You Start: Planning Checklist

- to make you think
- purpose & vision
- stakeholders
- identified docs
- support skills
- manage reports

Setting Up: Technical Approaches

- Do it yourself
- Standard packages
- External host

Setting Up: Metadata

- Helps users identify resources
- Brings similar resources together
- Distinguishes dissimilar resources
- Location information
- Essential for harvesting
- Organizes content

Setting Up: Workflows

- First: checking copyright & access permissions

Journal:	Nature (ISSN: 0028-0836, ESSN: 1476-4687)
RoMEO:	This is a RoMEO yellow journal
Paid OA:	This journal is not in the list for the paid open access option.
uthor's Pre-print:	✓ author **can** archive pre-print (ie pre-refereeing)
uthor's Post-print:	**subject to Restrictions below**, author **can** archive post-print (
Restrictions:	• 6 months embargo
er's Version/PDF:	✗ author **cannot** archive publisher's version/PDF
eneral Conditions:	• Published source must be acknowledged and DOI cited • Must link to publisher version • Publisher's version/PDF cannot be used • On funding body's archive, author website and institutional • If funding agency rules apply, authors may post authors ver • Several Journals have paid open access options and licens • Creative Commons Licenses available for selected titles.
Mandated OA:	(*Awaiting information*)
aid Open Access:	Open Access Hybrid Model - Selected Titles Only
Copyright:	Pre-publication policy - License to Publish - Manuscript Deposition
Updated:	23-Sep-2011 - Suggest an update for this record
Link to this page:	http://www.sherpa.ac.uk/romeo/issn/0028-0836/
Published by:	Nature Publishing Group - *Yellow Policies in RoMEO*

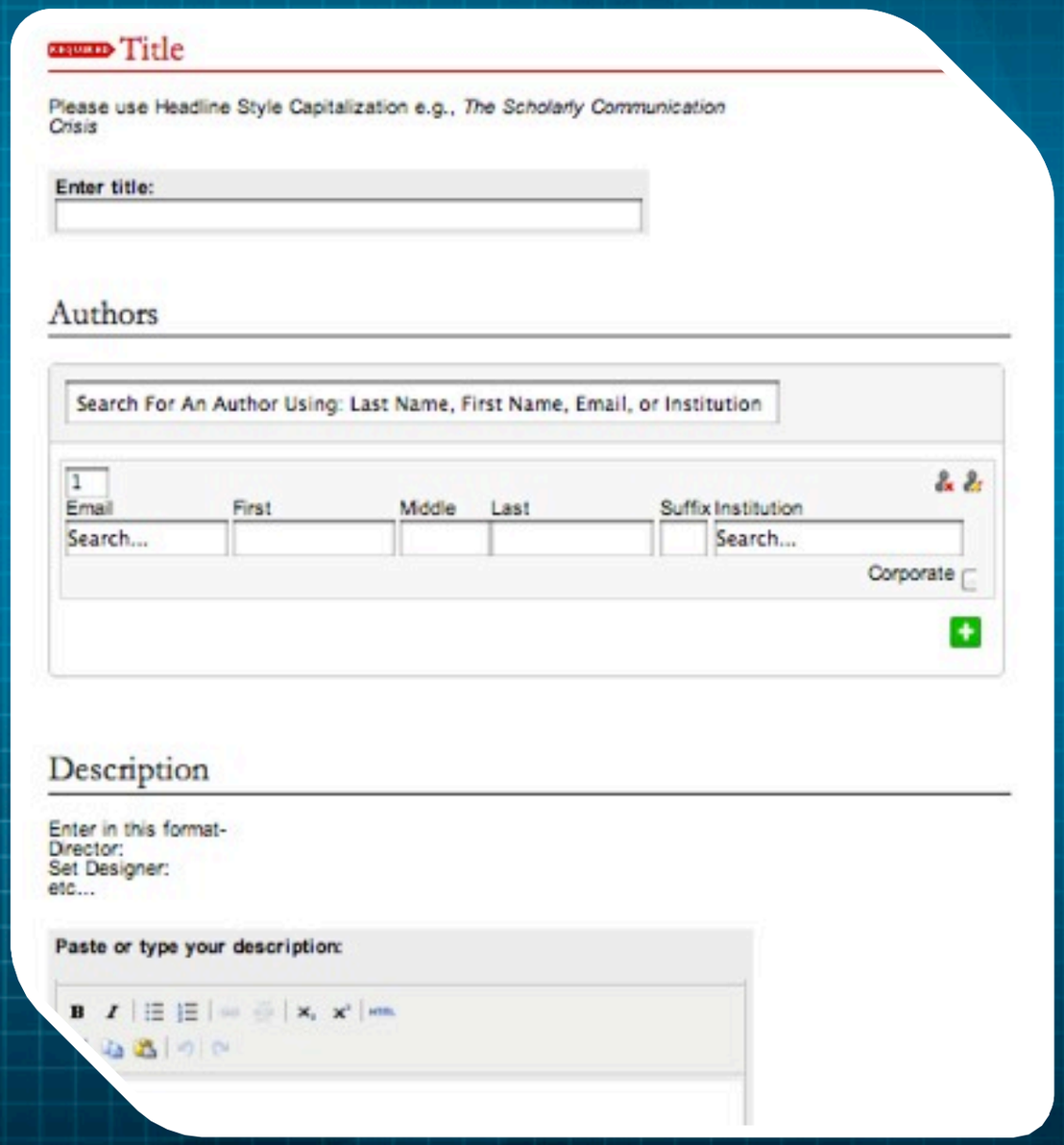
This summary is for the journal's *default p*
All information is correct to the bes

Setting Up: Workflows

- First: checking copyright & access permissions
- Second: who deposits?

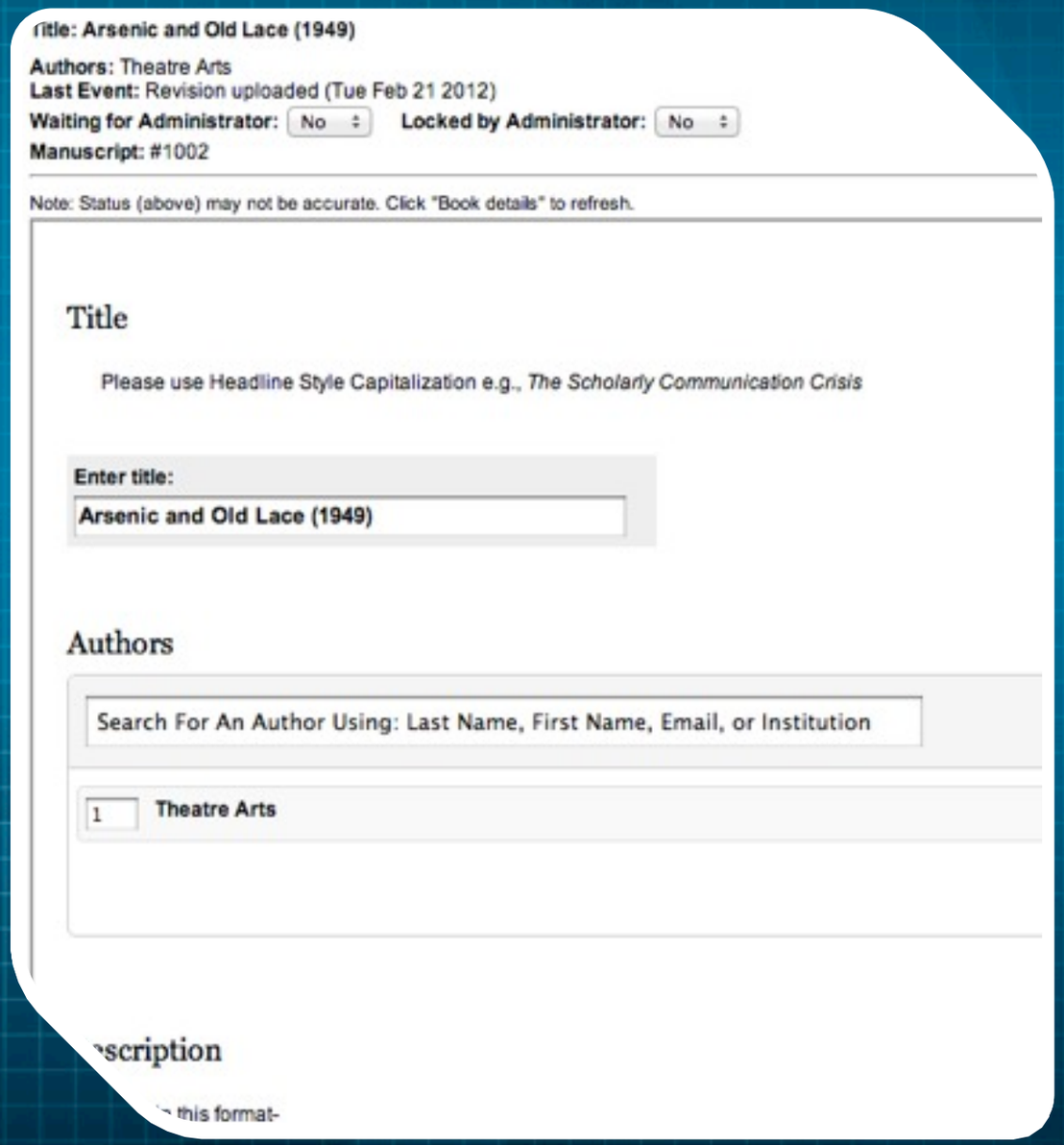
Setting Up: Workflows

- First: checking copyright & access permissions
- Second: who deposits?
- Third: deposit process



Setting Up: Workflows

- First: checking copyright & access permissions
- Second: who deposits?
- Third: deposit process
- Fourth: edits & linking



Setting Up: Launch!

- Advocacy campaign
- Identify stakeholders & their needs
- Print
- Word of mouth
- Presentations

Policies & Procedures

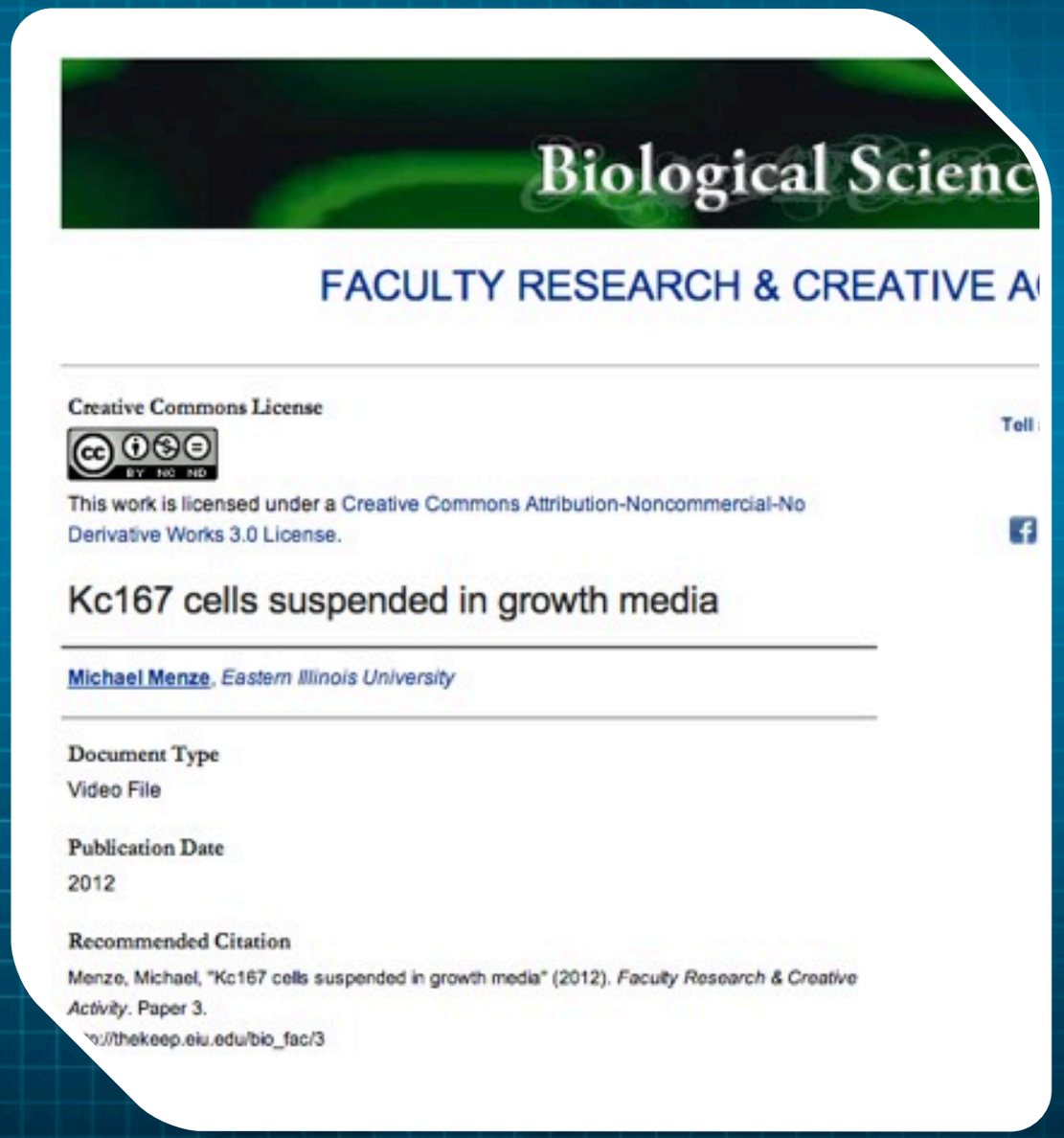
- Content Policies

Policies & Procedures

- Content Policies
- Submission Policies
- Self Deposit
- Mediated Deposit
- Overlay Deposit

Policies & Procedures

- Content Policies
- Submission Policies
- Re-use Policies



Biological Scienc

FACULTY RESEARCH & CREATIVE A

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Kc167 cells suspended in growth media

Michael Menze, *Eastern Illinois University*

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Video File

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2012

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://thekeep.eiu.edu/bio_fac/3

Policies & Procedures

- Content policies
- Submission policies
- Re-use policies
- Preservation policies
- Retention period
- Functional preservation
- File preservation
- Withdrawal policy
- Withdrawn items
- Version control
- Closure policy

Policies & Procedures

- Content Policies
- Submission Policies
- Re-use Policies
- Preservation Policies
- Handling Copyright

- Articles
  - SHERPA
  - Website
  - Publisher
- Pre/Post-Print
- Books/Chapters
- Images
- Performances
- Funder Mandates

Policies & Procedures

- Content Policies
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- Preservation Policies
- Handling Copyright
- Take-down Policies

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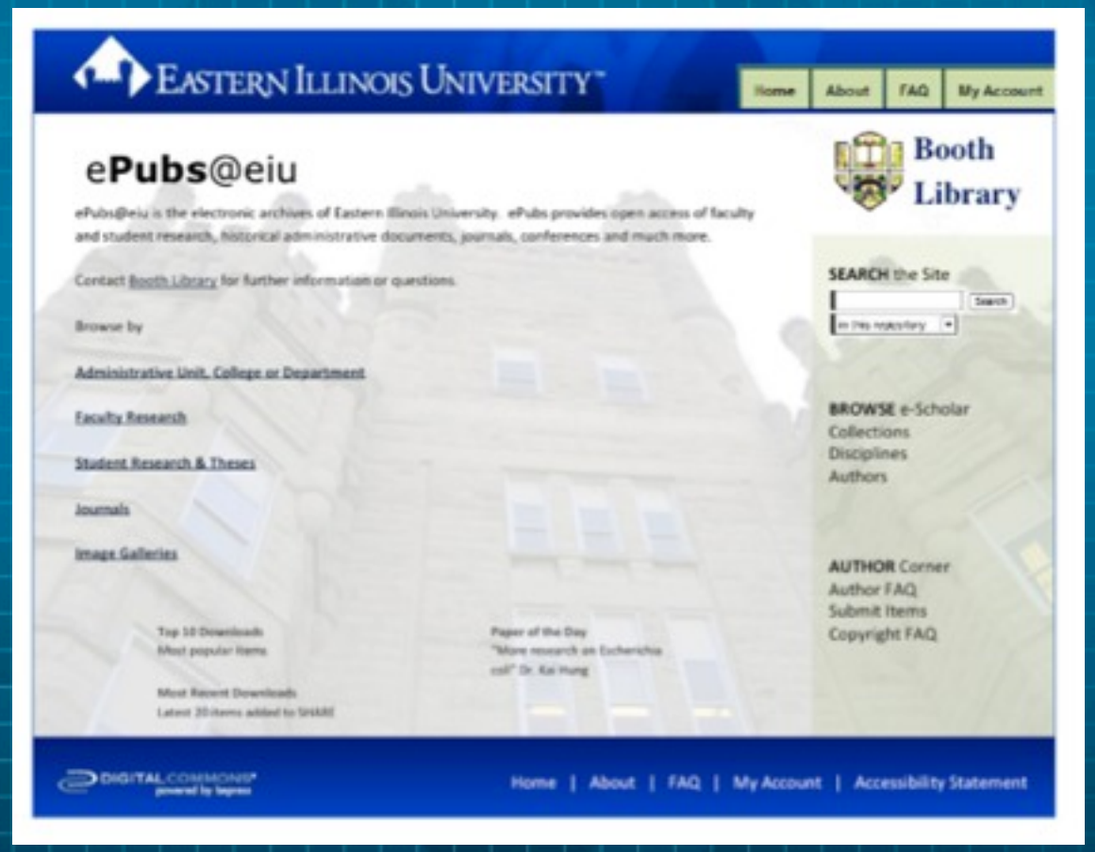
- Content Policies
- Submission Policies
- Re-use Policies
- Preservation Policies
- Handling Copyright
- Take-down Policies
- Embargoes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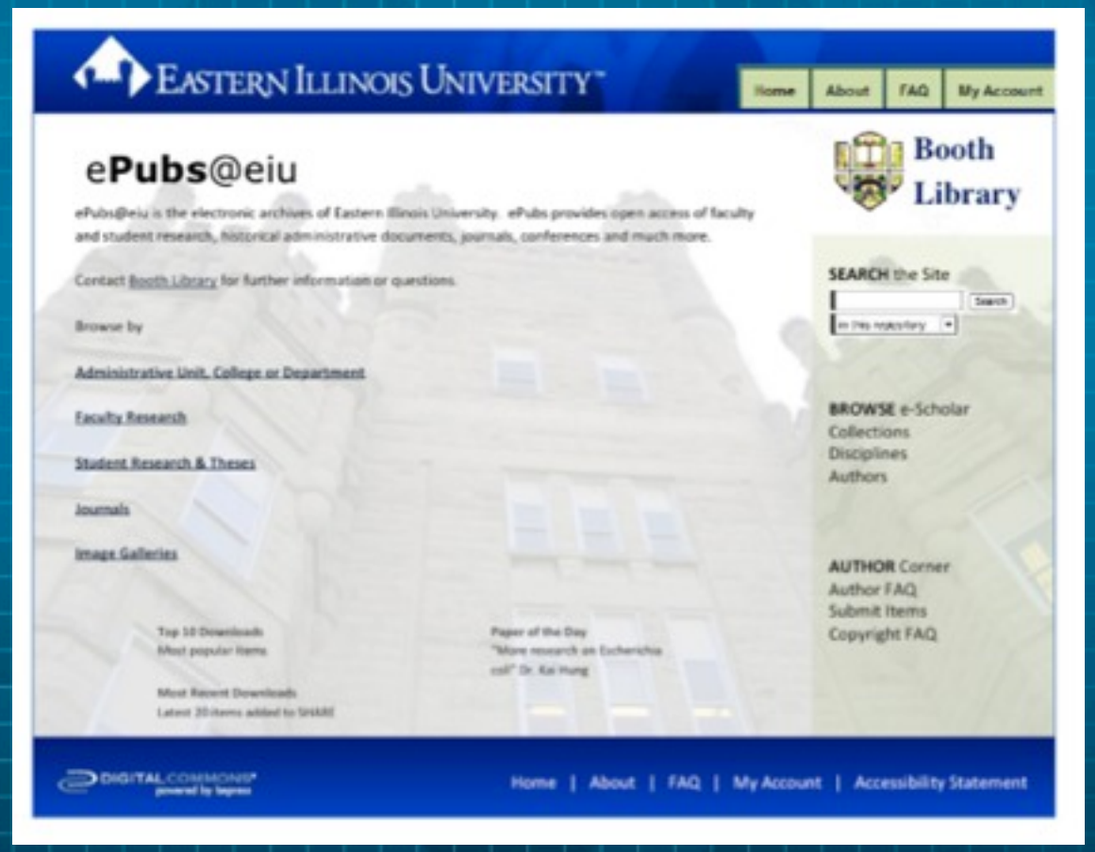
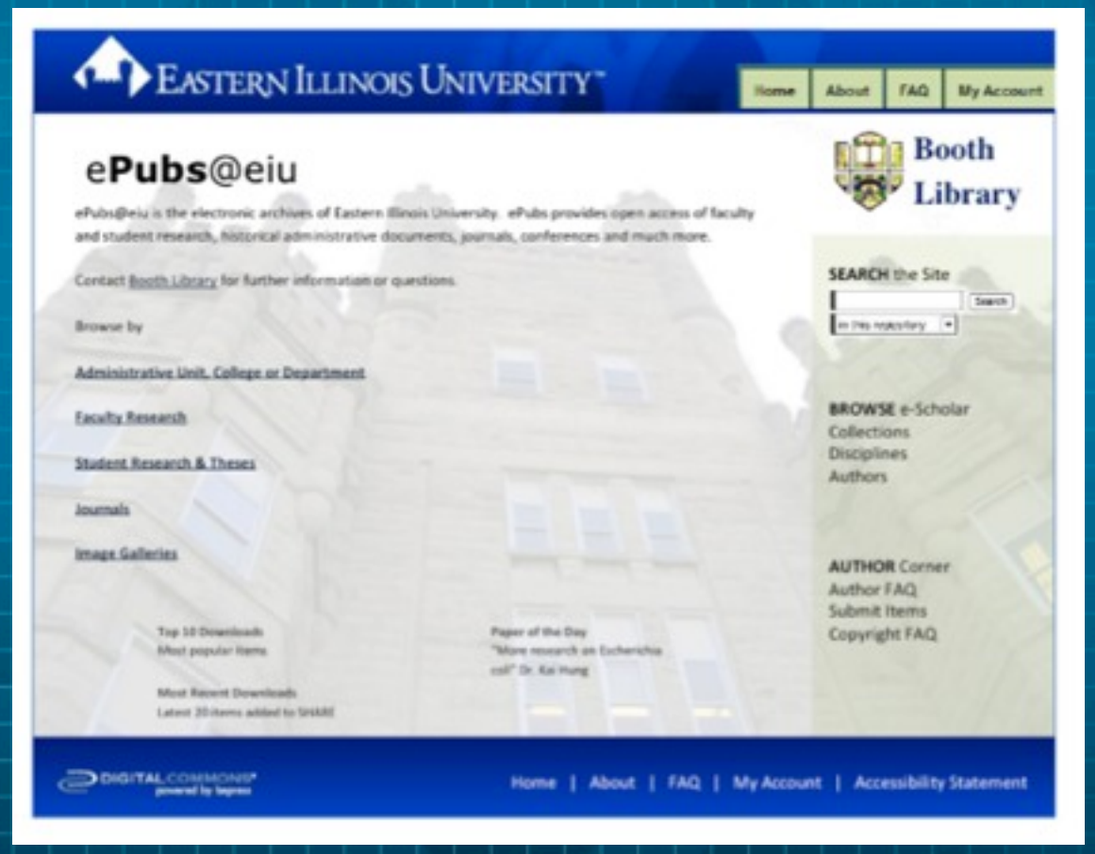
Technical Sustainability



Technical Sustainability

- Installation/ Customization



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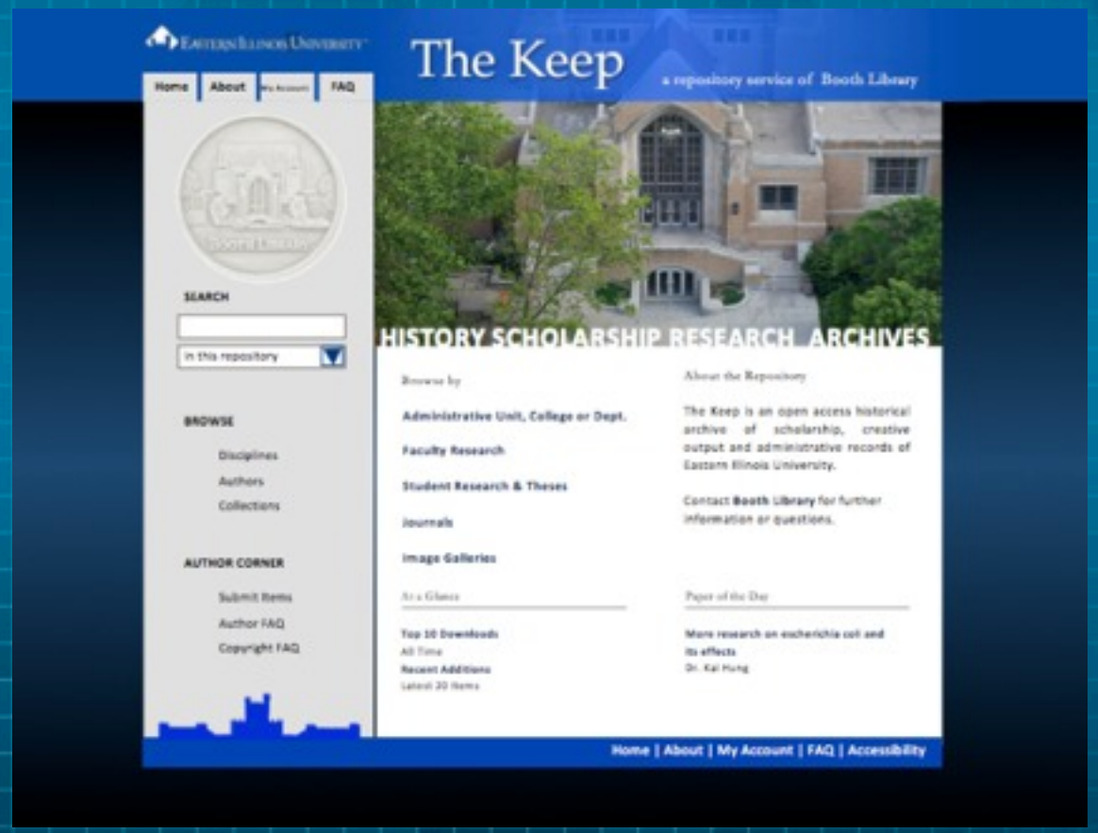


Technical Sustainability

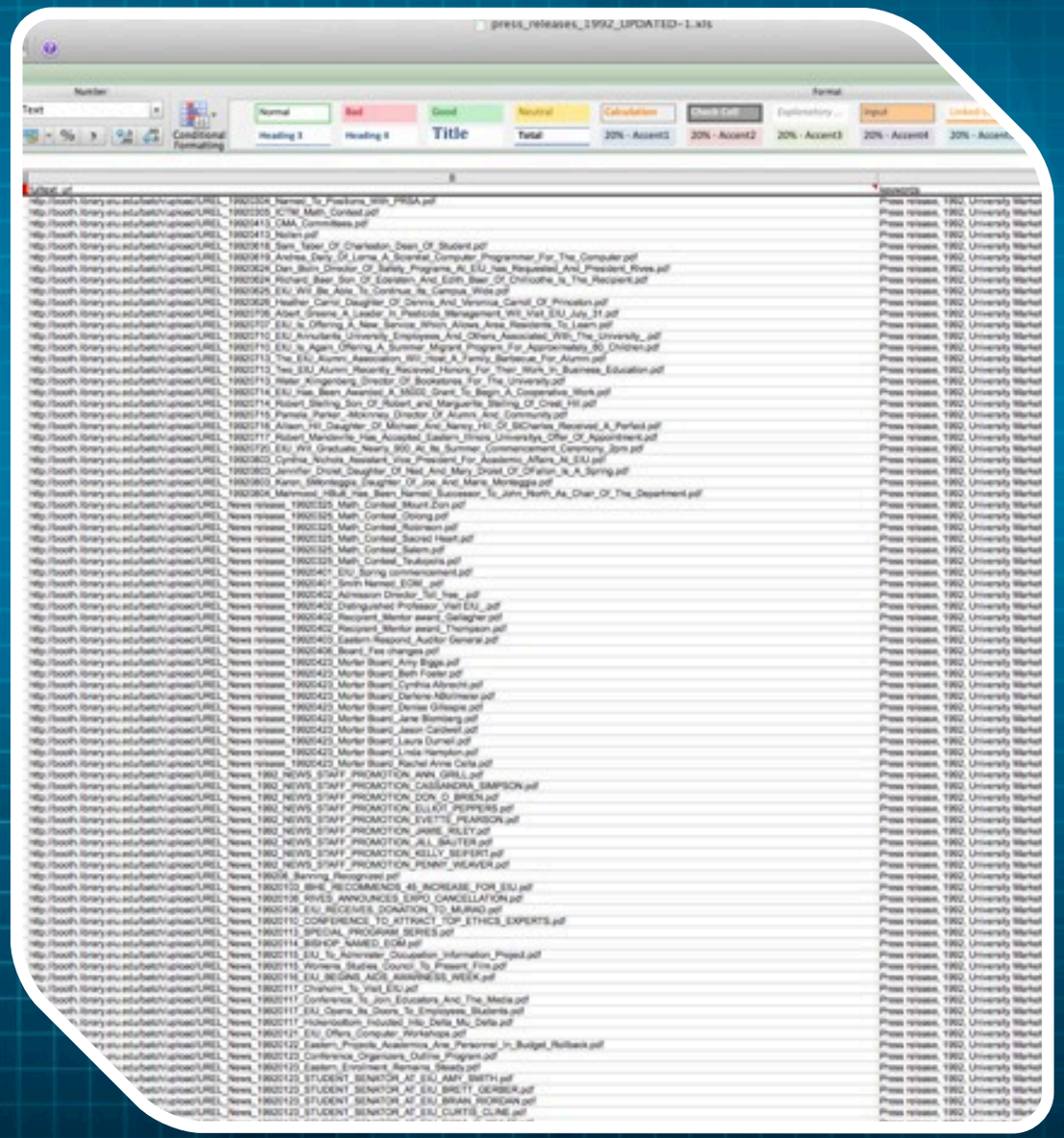
- Installation/ Customization

Technical Sustainability

- Installation/ Customization
- Maintenance

Technical Sustainability

- Installation/ customization
- Maintenance
- Content mediation



Technical Sustainability

- Installation/ customization
- Maintenance
- Content mediation
- Equipment

Advocacy (Managing Growth)

- Marketing
- Common issues

Advocacy (Managing Growth)

- Marketing
- Common issues

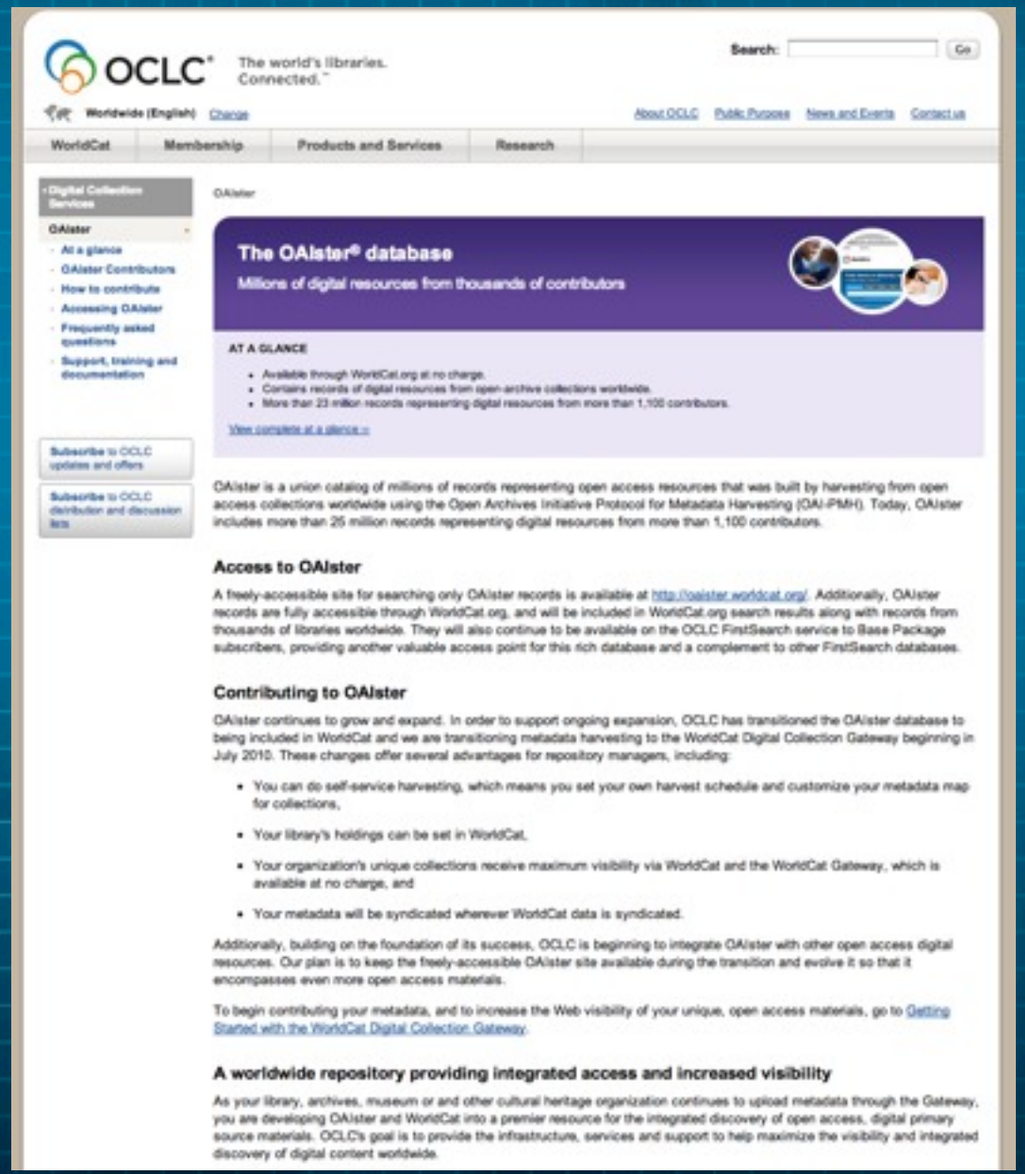
- Pubs are elsewhere
- Journal subs work
- No time
- Tenure
- Quality?
- Undermines traditional publications
- Prefer subject repository
- Post-print doesn't look as good

Advocacy (Managing Growth)

- Marketing
- Common issues
- "Quick wins"
  - Metadata only
  - Enable admin support
  - Involve others

REGISTRATION

- ALL ABOUT INDEXING
  - DSPACE INSTANCES
  - OAISTER



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Digital Collection Services

OAister

- At a glance
- OAister Contributors
- How to contribute
- Accessing OAister
- Frequently asked questions
- Support, training and documentation

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OAister

The OAister® database

Millions of digital resources from thousands of contributors

AT A GLANCE

- Available through WorldCat.org at no charge.
- Contains records of digital resources from open-archive collections worldwide.
- More than 23 million records representing digital resources from more than 1,100 contributors.

View complete at a glance >

OAister is a union catalog of millions of records representing open access resources that was built by harvesting from open access collections worldwide using the Open Archives Initiative Protocol for Metadata Harvesting (OAI-PMH). Today, OAister includes more than 26 million records representing digital resources from more than 1,100 contributors.

Access to OAister

A freely-accessible site for searching only OAister records is available at http://oaister.worldcat.org/. Additionally, OAister records are fully accessible through WorldCat.org, and will be included in WorldCat.org search results along with records from thousands of libraries worldwide. They will also continue to be available on the OCLC FirstSearch service to Base Package subscribers, providing another valuable access point for this rich database and a complement to other FirstSearch databases.

Contributing to OAister

OAister continues to grow and expand. In order to support ongoing expansion, OCLC has transitioned the OAister database to being included in WorldCat and we are transitioning metadata harvesting to the WorldCat Digital Collection Gateway beginning in July 2010. These changes offer several advantages for repository managers, including:

- You can do self-service harvesting, which means you set your own harvest schedule and customize your metadata map for collections,
- Your library's holdings can be set in WorldCat,
- Your organization's unique collections receive maximum visibility via WorldCat and the WorldCat Gateway, which is available at no charge, and
- Your metadata will be syndicated wherever WorldCat data is syndicated.

Additionally, building on the foundation of its success, OCLC is beginning to integrate OAister with other open access digital resources. Our plan is to keep the freely-accessible OAister site available during the transition and evolve it so that it encompasses even more open access materials.

To begin contributing your metadata, and to increase the Web visibility of your unique, open access materials, go to Getting Started with the WorldCat Digital Collection Gateway.

A worldwide repository providing integrated access and increased visibility

As your library, archives, museum or and other cultural heritage organization continues to upload metadata through the Gateway, you are developing OAister and WorldCat into a premier resource for the integrated discovery of open access, digital primary source materials. OCLC's goal is to provide the infrastructure, services and support to help maximize the visibility and integrated discovery of digital content worldwide.

REGISTRATION

- ALL ABOUT INDEXING
  - DSPACE INSTANCES
  - OAISTER
  - OPENARCHIVES.ORG

Registered Data Providers

This page lists registered OAI-conforming repositories, registered through our registration and validation page. Currently there are 1867 such repositories. The table may be sorted either by the Repository Name, the base URL, or the oai-identifier namespace (if defined; used in the oai:<domain>:<id> scheme). For each repository you may view the registration record from the database, or alternatively, if your browser can render XML, you may issue an Identify request to the selected repository and receive the current XML response.

Service providers can get an XML-formatted list of base URLs of registered data providers from http://www.openarchives.org/Register/ListFriends .

View		Repository Name	base URL (sort)	oai-identifier namespace-identifier (blank if not used) (sort)
Record	Identify	Universität Stuttgart, Fakultät 5, Germany, Computer Science Archive	http://www.informatik.uni-stuttgart.de/cgi-bin/OAI/OAI.pl	informatik.uni-stuttgart.de
Record	Identify		http://eprints.sunan-ampel.ac.id/cgi/oai2	generic.eprints.org
Record	Identify		http://eprints.upr.edu.cu/cgi/oai2	generic.eprints.org
Record	Identify		http://pub.bualat.net/cgi/oai2.cgi	pub.bualat.net
Record	Identify	E-Prints Complutense	http://eprints.ucm.es/cgi/oai2	www.ucm.es
Record	Identify	This is the University Digital Archive of the University of Groningen, The Netherlands.	http://fr.ub.rug.nl/oai/	ub.rug.nl
Record	Identify	[illegible]	http://eprints.aktotta.ac.ir/cgi/oai2	eprints.aktotta.ac.ir
Record	Identify	"Fondo Xavier Claverjero, S.J." de la Biblioteca "Dr Jorge Villalobos Padilla, S.J." del Itesc	http://oai2.bib.itesc.mx/oai/fxc/default.aspx	fcx.itesc.mx
Record	Identify	11th Joint Symposium on Neural Computation	http://jnsc.library.caltech.edu/jnsc0/oai2	jnsc.library.caltech.edu
Record	Identify	eBrotherSIC - EIDAL	http://archivesic.ccsd.cnrs.fr/oai/oai.php	archivesic.ccsd.cnrs.fr
Record	Identify	A Celebration of Women Writers	http://digital.library.upenn.edu/women/OAI-celebration	celebration
Record	Identify	A+BE / Architecture and the Built Environment	http://abe.tudelft.nl/index.php/faculty-architecture/oai	oja.ojs.lib.tudelft.nl
Record	Identify	A-plus	http://a-plus.andrw.ac.jp/modules/xoonips/oai.php	
Record	Identify	Aberdeen University Research Archive	http://aura.abdn.ac.uk/dspace-oai/request	
Record	Identify	Abertay Research Collections	http://repository.abertay.ac.uk:8080/oai/request	
Record	Identify	Academic Archive On-line	http://www.diva-portal.org/oai/OAI	DiVA.org
Record	Identify	Academic Commons	http://academiccommons.columbia.edu:8080/oai/request	
Record	Identify	Academic Public Administration Studies - APAS	http://www.apas.adminpdl.unspa.ro/oai/request	
Record	Identify	acorda	http://acorda.elpp.ro/oai/request	
Record	Identify	Access to Research Resources for Teachers Space	http://gscci.openrepository.com/gscci-oai/request	
Record	Identify	Acervo General - ITESO	http://quijote.biblio.itesc.mx/oai/default.aspx	acervo.itesc.mx
Record	Identify	Acervo General de la biblioteca "Dr Jorge Villalobos Padilla, S.J." del ITESO	http://docs.gdl.itesc.mx/oai/default.aspx	acervo.itesc.mx
Record	Identify	ACS Digital Library	http://dl.acs.org.ec/index.php/index/oai	acs.ojs.journals.info.ec
Record	Identify	Acta Medica Marisiensis	http://www.amejournal.ro/index.php/AMM/oai	oja.amejournal.ro
Record	Identify	Acta Monographica	http://www.actamonographica.org/oja-1.1.4/index.php/actamonographica/oai	oja.www.actamonographica.org
Record	Identify	Advanced Electromagnetics	http://amejournal.org/index.php/AEM/oai	oja.amejournal.org
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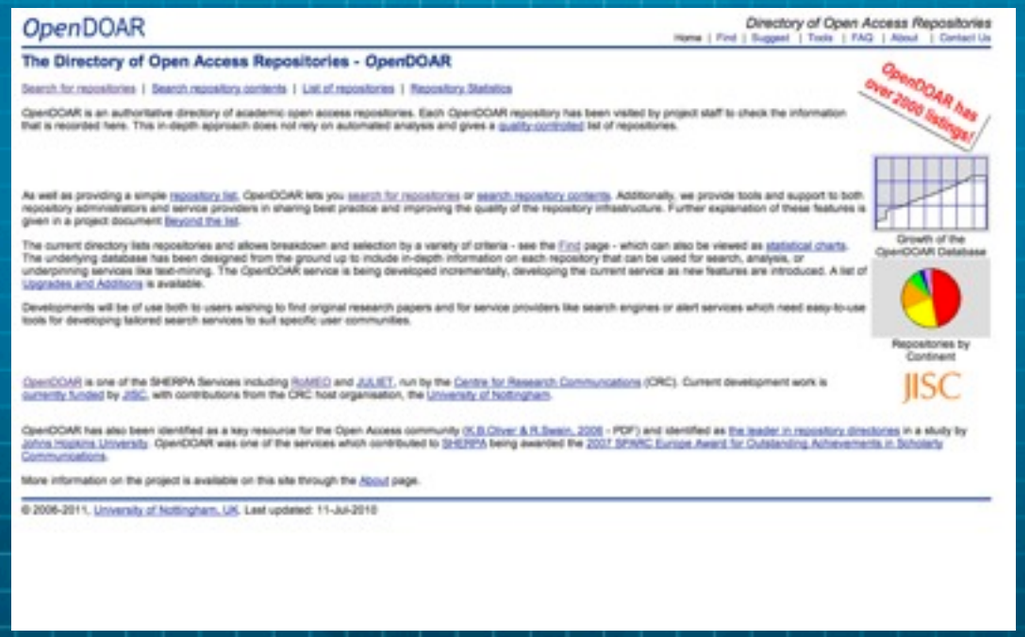
  - OPENDOAR



OpenDOAR

Directory of Open Access Repositories

Home | Find | Suggest | Tools | FAQ | About | Contact Us

The Directory of Open Access Repositories - OpenDOAR

Search for repositories | Search repository contents | List of repositories | Repository Statistics

OpenDOAR has over 2000 listings!

OpenDOAR is an authoritative directory of academic open access repositories. Each OpenDOAR repository has been visited by project staff to check the information that is recorded here. This in-depth approach does not rely on automated analysis and gives a quality-controlled list of repositories.

As well as providing a simple repository list, OpenDOAR lets you search for repositories or search repository contents. Additionally, we provide tools and support to both repository administrators and service providers in sharing best practice and improving the quality of the repository infrastructure. Further explanation of these features is given in a project document Beyond the list.

The current directory lists repositories and allows breakdown and selection by a variety of criteria - see the Find page - which can also be viewed as statistical charts. The underlying database has been designed from the ground up to include in-depth information on each repository that can be used for search, analysis, or underpinning services like text-mining. The OpenDOAR service is being developed incrementally, developing the current service as new features are introduced. A list of Upgrades and Additions is available.

Developments will be of use both to users wishing to find original research papers and for service providers like search engines or alert services which need easy-to-use tools for developing tailored search services to suit specific user communities.

Growth of the OpenDOAR Database

Repositories by Continent

OpenDOAR is one of the SHERPA Services including RoMEO and JULIET, run by the Centre for Research Communications (CRC). Current development work is currently funded by JISC, with contributions from the CRC host organisation, the University of Nottingham.

JISC

OpenDOAR has also been identified as a key resource for the Open Access community (K.B.Oliver & R.Swain, 2006 - PDF) and identified as the leader in repository directories in a study by Johns Hopkins University. OpenDOAR was one of the services which contributed to SHERPA being awarded the 2007 SPARC Europe Award for Outstanding Achievements in Scholarly Communications.

More information on the project is available on this site through the About page.

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- ALL ABOUT INDEXING
  - DSPACE INSTANCES
  - OAISTER
  - OPENARCHIVES.ORG
  - OPENDOAR
  - ROAR

REGISTRATION

- ALL ABOUT INDEXING
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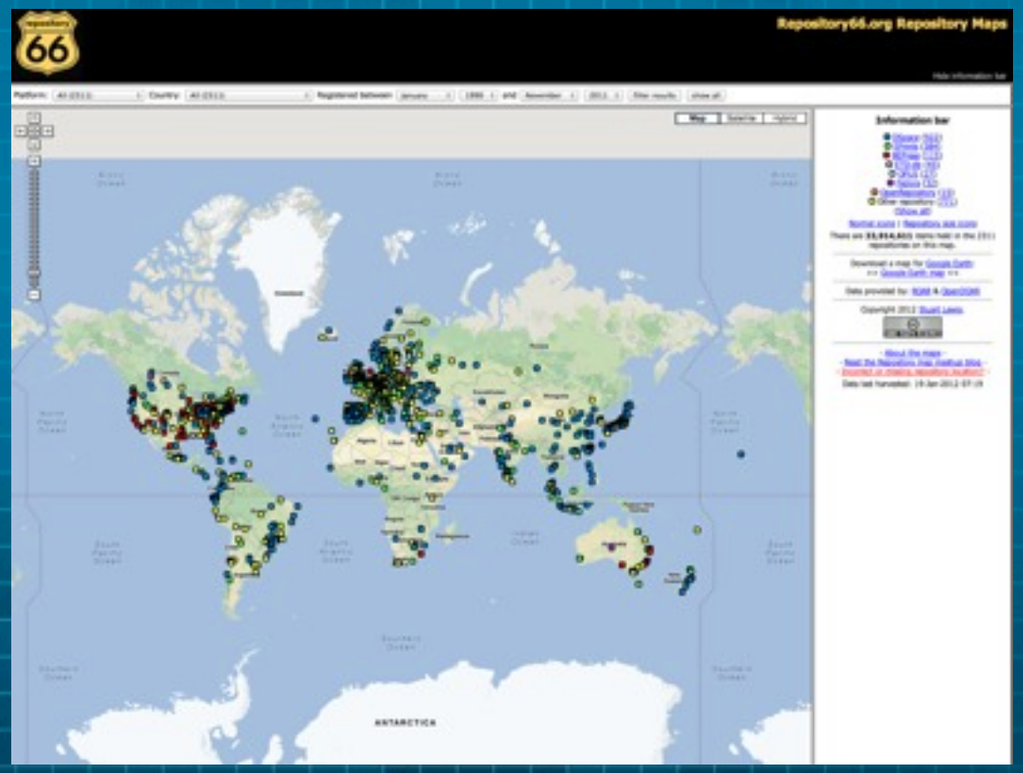
  - ROAR
  - REPOSITORY 66



Optimization

- Depends on the package
  - Web crawlers
  - Static links
  - Shallow hierarchy

Benchmarking: Measuring Success

- Finding content
  - Pub lists on institutional/dept. sites
  - Research managers
  - Subject repositories
- Counting authors
- Deposition rates
- Turn-around time
- Embedding

Coda

- Before You Start
- Setting Up
- Policies
- Technical Sustainability
- Advocacy (Managing Growth)
- Optimization
- Benchmarking

THANK YOU

CONTACT
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FACULTY PROMOTING OPEN ACCESS - HTTP://API.NING.COM/FILES/UYCASSCYYQUU1-ZRQ1PCFEJVKTFCAQT7LBH9OKDOWBDZFIONHYGKUBOH4Q4E6A*PVEBFB5ZLWYAE93N9NFJBNHKYZTURB7KM/OPENACCESS2009501.JPG?WIDTH=737&HEIGHT=552
CHECKLIST IMAGE - HTTP://WWW.ACCLAIMEDMOVERS.COM/BLOG/WP-CONTENT/UPLOADS/2012/10/CHECK-LIST1.JPG
PERSON THINKING - HTTP://2.BP.BLOGSPOT.COM/_HC_WOH22J2I/SCD5CL9N-HI/AAAAAAAAAEA/IUR7DKRMMPQ/S400/148_THINKING_PERSON2.GIF
METADATA IMAGE - HTTP://BLOG.HUDSONHORIZONS.COM/ARTICLE/WHAT-IS-METADATA-SEO-FOR-DUMMIES.HTM
LAUNCH IMAGE -
EMBARGO IMAGE - HTTP://FARM5.STATIC.FLICKR.COM/4020/4425002381_70791F87D2_O.JPG
ELEVATOR SPEECH - HTTP://1.BP.BLOGSPOT.COM/--4JOYPSDWGS/TXQOXYAOLTI/AAAAAAAAAYO/OPXBUPYGIM4/S1600/ELPITCH.JPG
WEB SPIDER - HTTP://WL.STATIC.FOTOLIA.COM/JPG/00/27/57/06/400_F_27570671_RJZPIGA1TE3UIUXEPPEF2NLQWMNWD44V.JPG
BENCHMARKING - HTTP://UKWEBFOCUS.FILES.WORDPRESS.COM/2012/08/SHUTTERSTOCK_45288103.JPG