



Public Access at Los Alamos National Laboratory

New Tools for the Public and Take-Away Lessons for Librarians

New Mexico Library Association's Annual Conference

Albuquerque, New Mexico

Heidi Uphoff and Frances Knudson

October 22, 2015

What's on the Agenda

- DOE Public Access Plan & you
 - New content available
 - Who benefits
- Walkthrough of new tools
 - DOE's PAGES
 - Los Alamos Research Online (LARO)
- Lessons learned building a public repository at LANL



A very brief history of Open Access

University Open Access to Scholarly Publications



HARVARD
UNIVERSITY

Government Public Access



EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF SCIENCE AND TECHNOLOGY POLICY
WASHINGTON, D.C. 20502

February 22, 2013

MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES

FROM:

John P. Holdren
Director

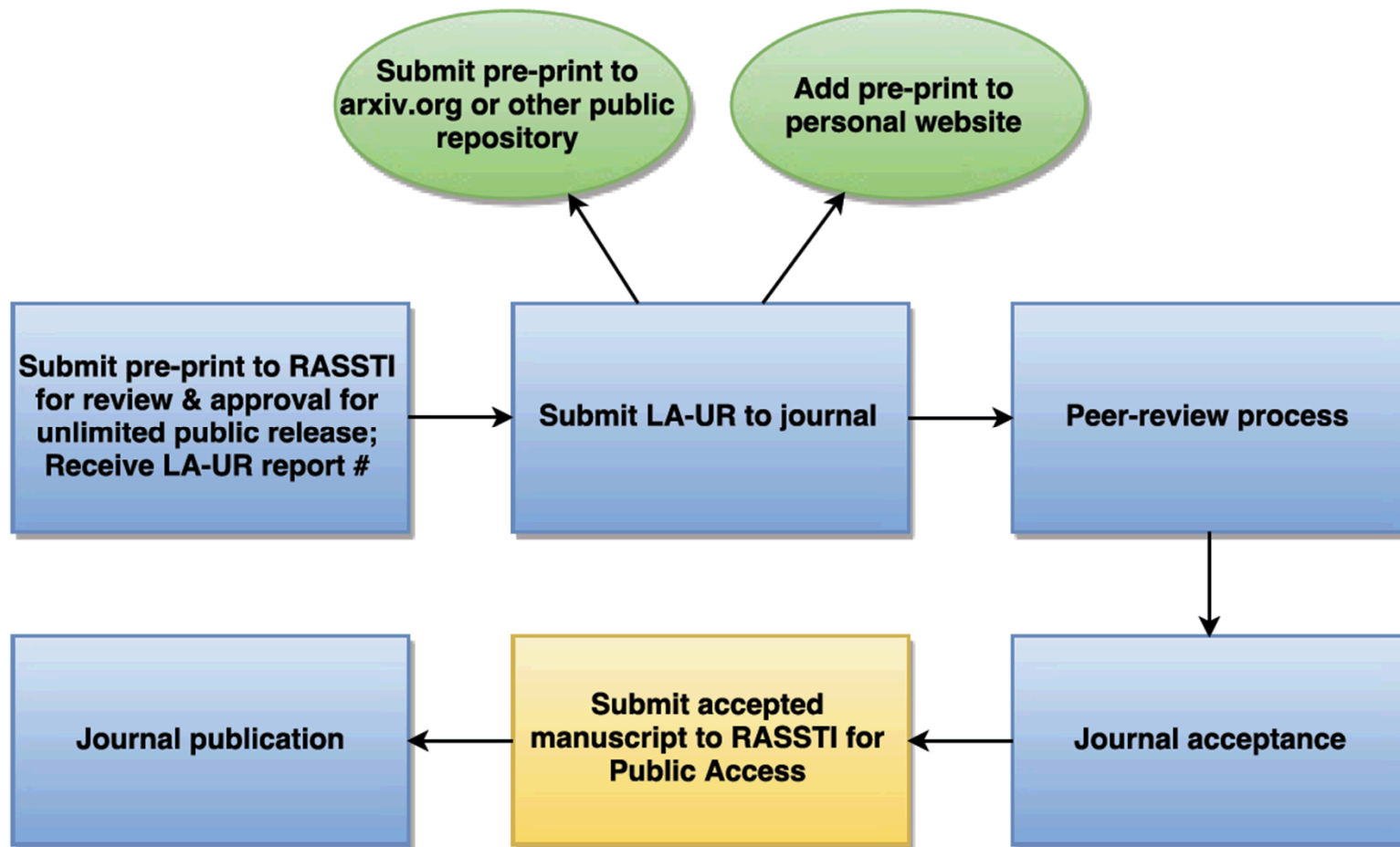


SUBJECT:

Increasing Access to the Results of Federally Funded Scientific Research

The Accepted Manuscript

LANL Author Workflow



Take-Away Lesson #1 –

Users don't read the fine print, or any variety of print instructions

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Review & Approval System
for Scientific and Technical Information

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Heidi Ann Uphoff, welcome to **RASSTI**

New RASSTI tool

Submit your journal accepted manuscripts in accord with LANL's public access policy ([FAQs](#)), via the Accepted Manuscripts button below. See RASSTI's [Accepted Manuscript](#) page for more information. Contact us with questions at rassti@lanl.gov.

ATTENTION

RASSTI does not distinguish additional opened windows as distinct sessions, thus ...

- * **Do NOT** work on several records simultaneously, lasearch.lanl.gov to refer to past submissions
- * Work in one window using navigation links provided
- * Avoid the Back button and bookmarks

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Submissions, in process or approved, where you are Author or Content Submitter

[Accepted Manuscripts](#)

You have **7** LA-UR(s) awaiting submission of your final peer-reviewed, accepted manuscript (includes peer-review changes, but not publisher formatting and copyright statements)

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RASSTI

Review & Approval System
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Author/Submitter View

Heidi Ann Uphoff candidates for Accepted Manuscript Submissions

(Click header to sort rows by that column.)

(Pg 1 of 1)

No.	Title	Author	LA-UR-	Journal	Status	Status Date
1	AFV Testing #1	Uphoff, Heidi Ann	15-20008	Physics Tomorrow	Submit Final	2015-02-06
2	AFV Testing #2	Uphoff, Heidi Ann	15-20009	Science Yesterday	Submit Final	2015-02-06
3	AFV Testing #3	Uphoff, Heidi Ann	15-20010	Journal of RASSTI	Submit Final	2015-02-06
4	AFV Testing #4	Uphoff, Heidi Ann	15-20011	Last Journal	Submit Final	2015-02-06
5	AFV Testing again	Uphoff, Heidi Ann	15-20015	Logic	Submit Final	2015-02-20
6	AFV Keywords 2	Uphoff, Heidi Ann	15-20025	Testing	Submit Final	2015-02-26
7	Group Meeting presentation 3/18/2015	Uphoff, Heidi Ann	15-20031	LANL Research Library Journal	Submit Final	2015-03-19
8	Emails AFV	Uphoff, Heidi Ann	15-20038	Testing	Submit Final	2015-03-23

Total number of records: 8

RASSTI is collecting authors' final, peer-reviewed accepted manuscripts to fulfill a federal mandate outlined in the OSTP memorandum of February 2013 and implemented through DOE's Public Access Policy, LANL's PD1022 (in revision), and other funder agency policies. Accepted manuscripts will be made publicly available in LANL and DOE repositories. ?

While the policy went into effect October 1st, 2014, you can still submit accepted manuscripts for LA-URs intended for a journal that were approved prior to October 1st, 2014. Select the item from your "My Submissions" List. Use the "Accepted Manuscript" button near the top of the page, which will take you to the submission form.

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Users don't read the fine print, or any variety of print instructions

Am I ready to submit my accepted manuscript?

- My manuscript has been accepted by a publisher. **Yes**, click Proceed.

RASSTI is collecting authors' final, peer-reviewed, accepted manuscripts to fulfill a federal mandate outlined in the OSTP Memorandum of February 2013 and implemented through DOE's Public Access Policy, LANL's PD1022 (in revision), and other funder agency policies. ?

Go Back

Proceed

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I, Heidi Ann Uphoff, certify that the PDF I am submitting:

- is not the publisher's official copy;
- does not contain publisher copyright statements;
- and includes content changes made during the peer-review process.

Accepted manuscripts will be made publicly available in LANL and DOE repositories. ?

I Agree

Take-Away Lesson #1 –

Users don't read the fine print, or any variety of print instructions

So what are authors submitting?

Take-Away Lesson #1 –

Users don't read the fine print, or any variety of print instructions

So what are authors submitting?

The publisher's version

Take-Away Lesson #1 –

Users don't read the fine print, or any variety of print instructions

So what are authors submitting?

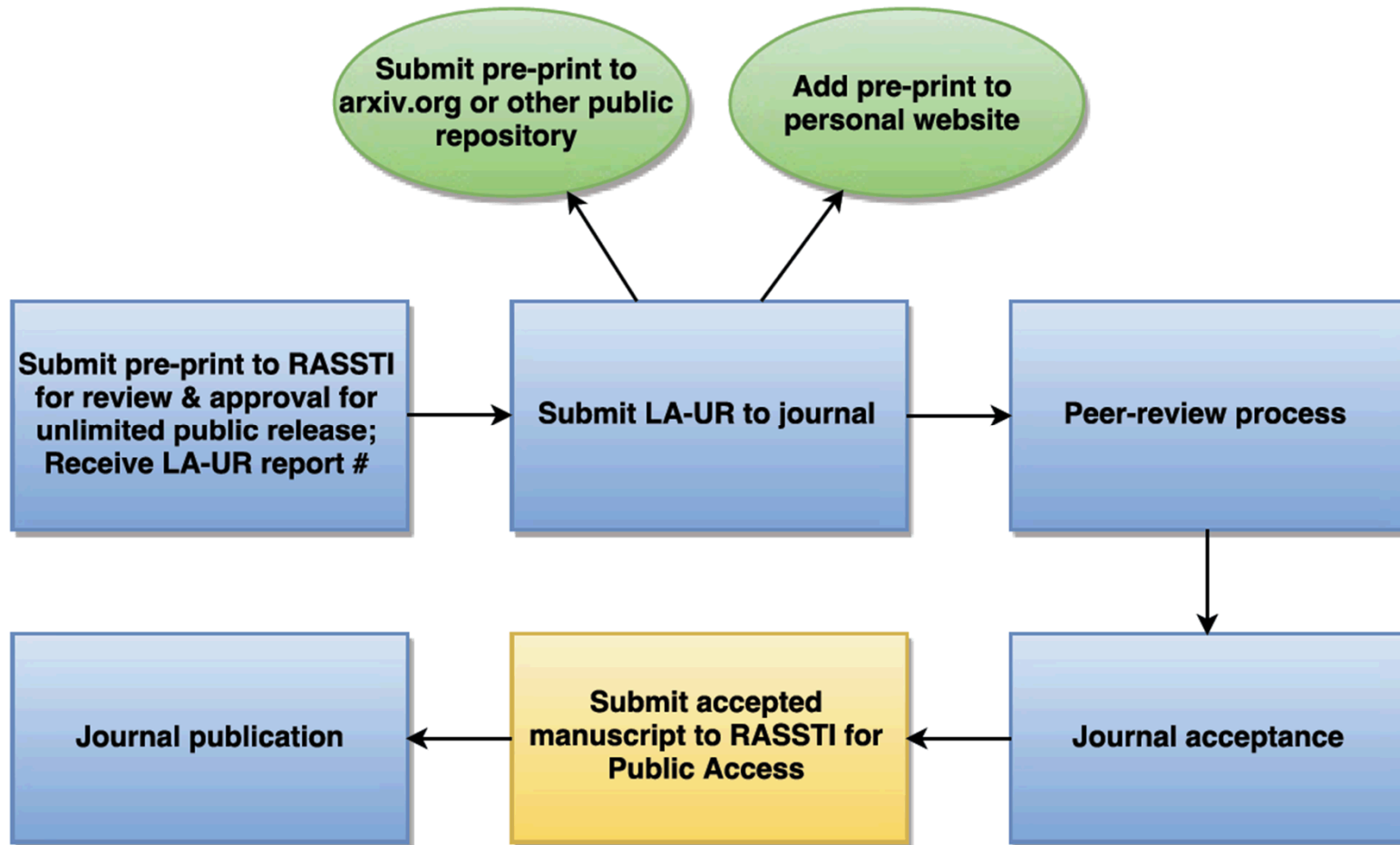
Education

The publisher's version

Library review of submissions

Marketing

Simplify New Required Step



Submit your post peer-reviewed, accepted manuscript of **LA-UR-15-20016**. After submission, the original RASSTI record will be locked from further edits. The manuscript will be matched with the publication citation and made available in LANL and DOE repositories. ?

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- Files cannot exceed 200MB and should **NOT** be password protected or encrypted.
- Upload original, as opposed to scanned, digital document wherever possible.
- For scanned documents apply Optical Character Recognition (OCR).
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If you uploaded your accepted manuscript to another database or website, you may provide a link to that record instead of uploading a PDF.

Publication Metadata**Update Title of Paper:**[LANL](#) Public Access

The title of the paper helps match your accepted manuscript with the citation to the published version in LANL and DOE repositories.

DOI to Publication (optional):[10.1371/journal.pone.0115253](https://doi.org/10.1371/journal.pone.0115253)

The DOI helps match your accepted manuscript with the citation to the published version in LANL and DOE repositories.

Update Author Keywords (optional):

RASSTI, LARO

Add keywords to improve discovery of your publication in LANL and DOE repositories.

Notes to the Research Library

Submit to Library



SciTech Connect

<http://www.osti.gov/scitech/>

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Dataset Citations

Book/Book Chapter Citations



PAGES

<http://www.osti.gov/pages/>

Accepted Manuscripts
* within 12 months of publication

DOIs to Publisher Versions

Links to OA Versions

Conference Papers & Proceedings

Patents

Presentation Slides

Misc.

Who Benefits

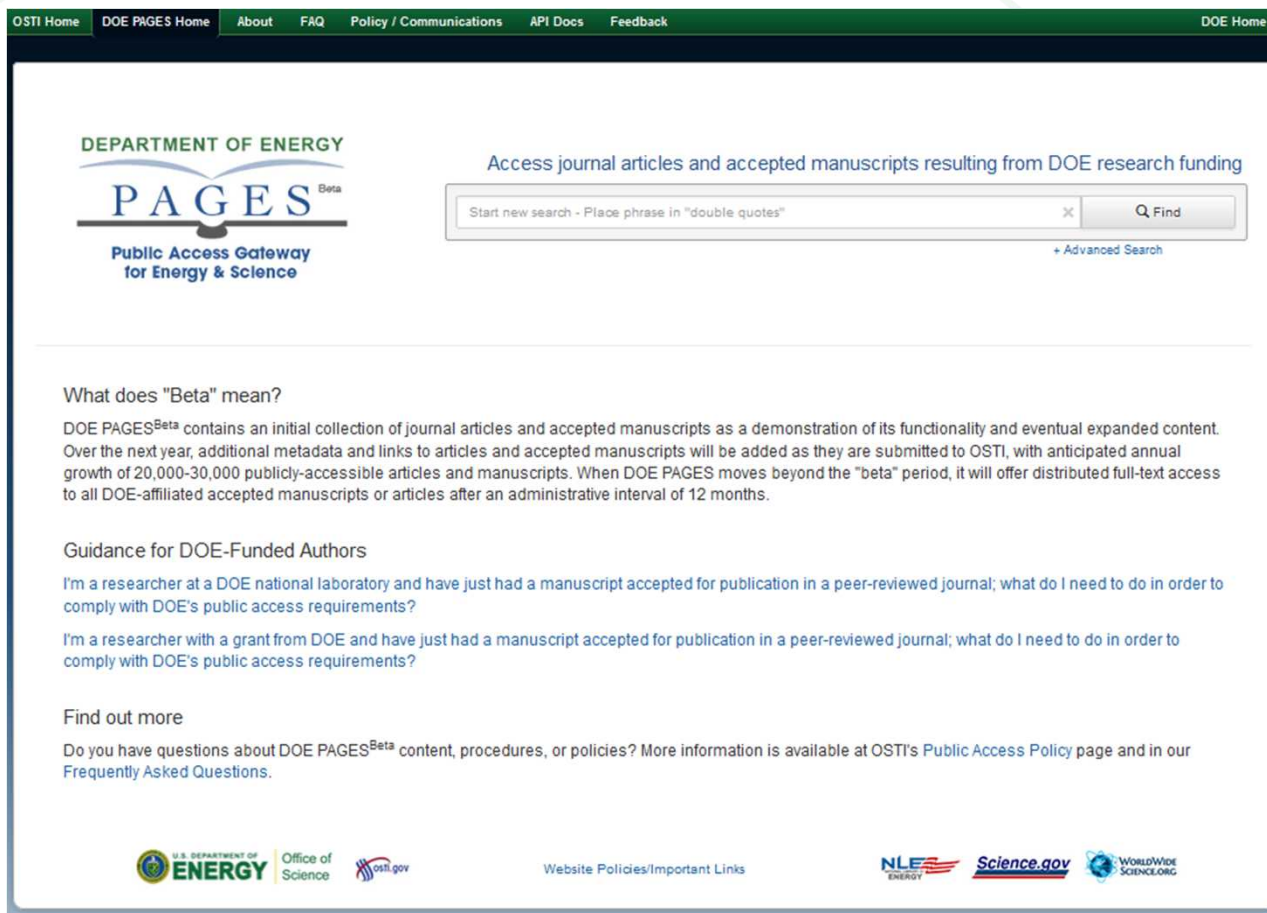
- Researchers & students at academic institutions
- Industry
- High school STEM programs

“access to scholarly scientific literature can supplement programming gaps in curriculum development and usher in new manipulatives and learning aids to further expand students' critical thinking development. Collaborations among STEM teachers, librarians, and other stakeholders that leverage public access to peer-reviewed scientific publications can foster innovative, cross-curriculum pedagogy that will help attract and retain middle and high school students' involvement in STEM.”

- Janice Young. (2015). Public Access to Federally Funded Scientific Research: Building Communities of Collaboration *Issues in Science and Technology Librarianship*, Spring 2015.

PAGES (Beta) <http://www.osti.gov/pages>

Public access to DOE-funded peer-reviewed journal articles and accepted manuscripts.



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DEPARTMENT OF ENERGY
PAGES^{Beta}
Public Access Gateway
for Energy & Science

Access journal articles and accepted manuscripts resulting from DOE research funding

Start new search - Place phrase in "double quotes"

[+ Advanced Search](#)

What does "Beta" mean?

DOE PAGES^{Beta} contains an initial collection of journal articles and accepted manuscripts as a demonstration of its functionality and eventual expanded content. Over the next year, additional metadata and links to articles and accepted manuscripts will be added as they are submitted to OSTI, with anticipated annual growth of 20,000-30,000 publicly-accessible articles and manuscripts. When DOE PAGES moves beyond the "beta" period, it will offer distributed full-text access to all DOE-affiliated accepted manuscripts or articles after an administrative interval of 12 months.

Guidance for DOE-Funded Authors

I'm a researcher at a DOE national laboratory and have just had a manuscript accepted for publication in a peer-reviewed journal; what do I need to do in order to comply with DOE's public access requirements?

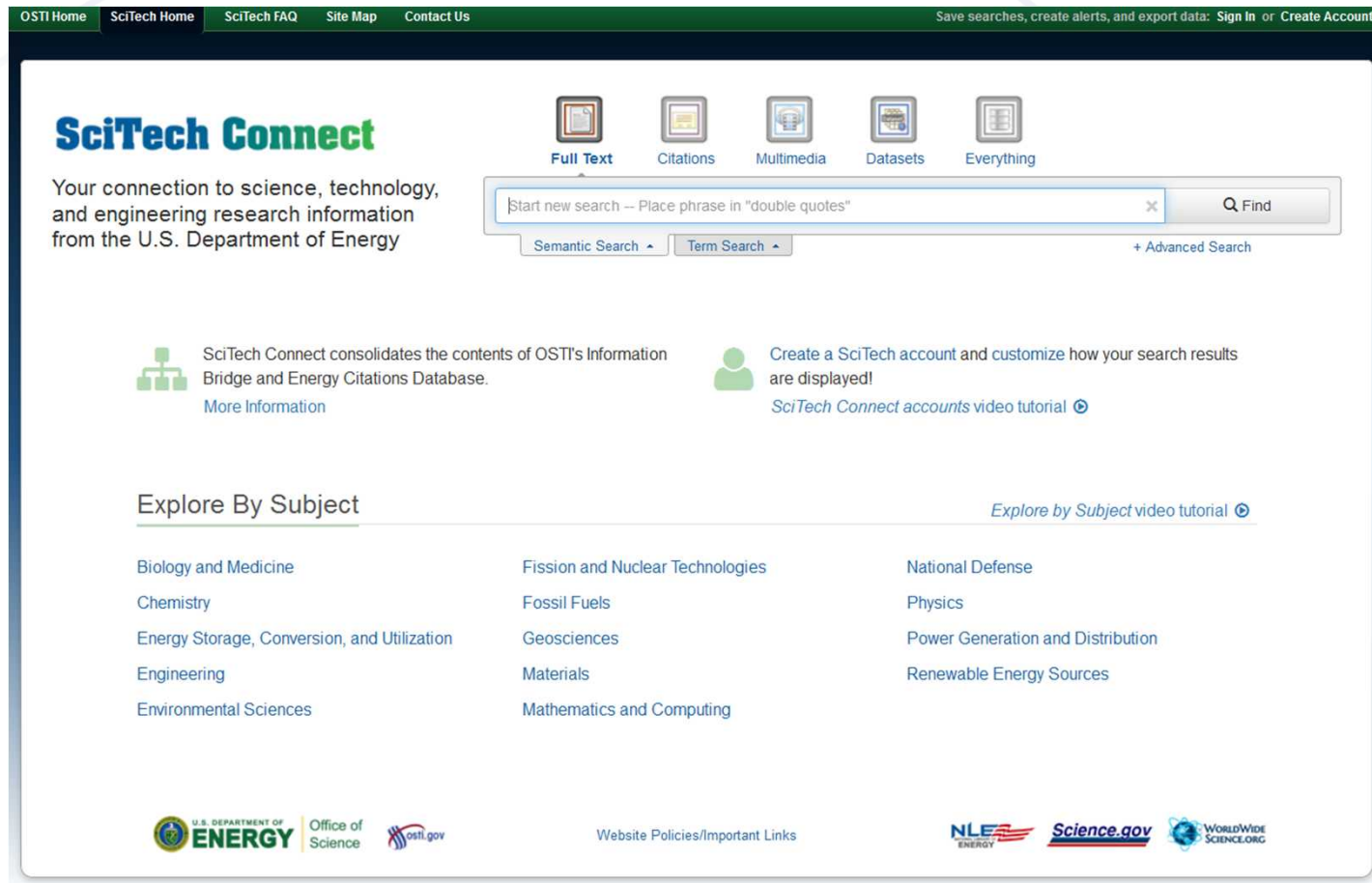
I'm a researcher with a grant from DOE and have just had a manuscript accepted for publication in a peer-reviewed journal; what do I need to do in order to comply with DOE's public access requirements?

Find out more

Do you have questions about DOE PAGES^{Beta} content, procedures, or policies? More information is available at OSTI's [Public Access Policy](#) page and in our [Frequently Asked Questions](#).

U.S. DEPARTMENT OF ENERGY Office of Science [osti.gov](http://www.osti.gov) Website Policies/Important Links NLE ENERGY Science.gov WORLDWIDE SCIENCE

SciTech <http://www.osti.gov/scitech/> DOE science, technology, and engineering research information.



The screenshot shows the SciTech Connect website. At the top is a green navigation bar with links: OSTI Home, SciTech Home, SciTech FAQ, Site Map, Contact Us, and a utility bar for saving searches and creating accounts. The main header features the 'SciTech Connect' logo and a tagline: 'Your connection to science, technology, and engineering research information from the U.S. Department of Energy'. Below this is a search interface with icons for Full Text, Citations, Multimedia, Datasets, and Everything. A search box contains the placeholder text 'Start new search -- Place phrase in "double quotes"' and a 'Find' button. Below the search box are buttons for 'Semantic Search' and 'Term Search', and a link to '+ Advanced Search'. Two informational boxes are present: one about consolidating OSTI's database with a 'More Information' link, and another about creating a SciTech account with a 'SciTech Connect accounts video tutorial' link. An 'Explore By Subject' section lists various scientific fields in three columns. At the bottom, there are logos for the U.S. Department of Energy, Office of Science, OSTI.gov, NLE, Science.gov, and WorldWide Science.org, along with a link to 'Website Policies/Important Links'.

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SciTech Connect

Your connection to science, technology, and engineering research information from the U.S. Department of Energy

Full Text Citations Multimedia Datasets Everything

Start new search -- Place phrase in "double quotes" Find

Semantic Search Term Search + Advanced Search

SciTech Connect consolidates the contents of OSTI's Information Bridge and Energy Citations Database. [More Information](#)

Create a SciTech account and customize how your search results are displayed! [SciTech Connect accounts video tutorial](#)

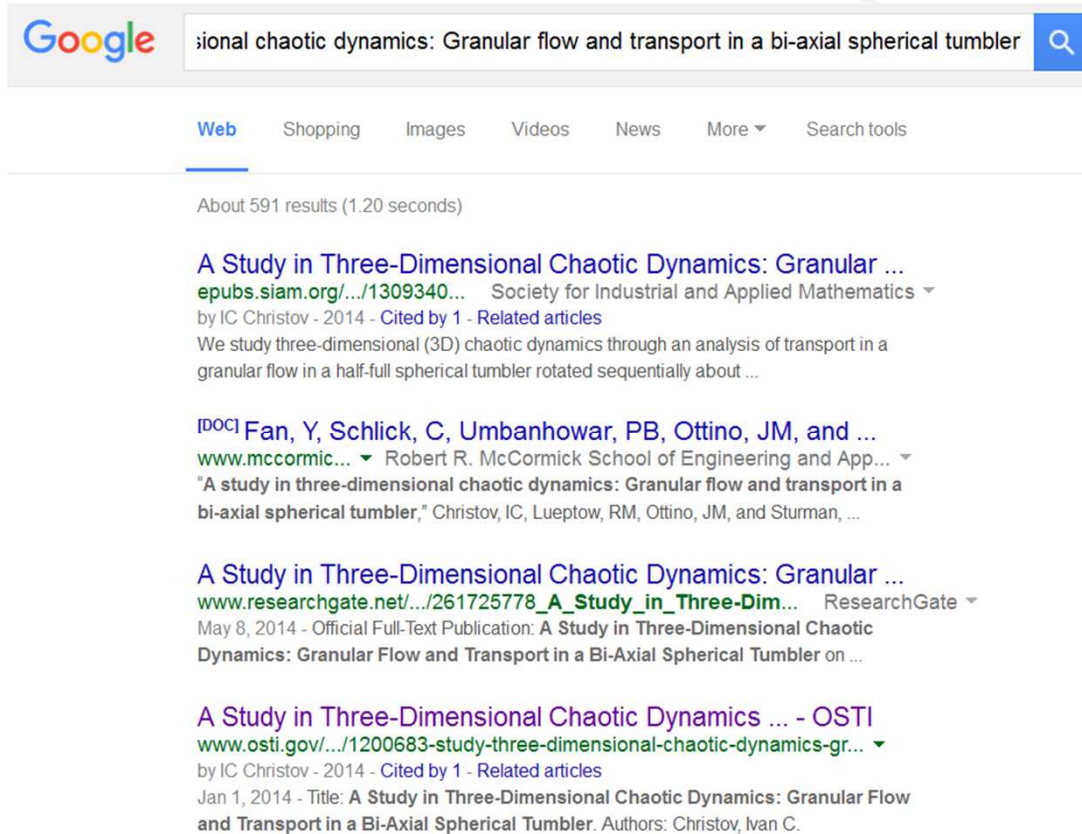
Explore By Subject

[Explore by Subject video tutorial](#)

- Biology and Medicine
- Chemistry
- Energy Storage, Conversion, and Utilization
- Engineering
- Environmental Sciences
- Fission and Nuclear Technologies
- Fossil Fuels
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- Power Generation and Distribution
- Renewable Energy Sources

U.S. DEPARTMENT OF ENERGY Office of Science OSTI.gov Website Policies/Important Links NLE Science.gov WorldWide Science.org

Other Entry Points - Google



Google search results for: **Three-dimensional chaotic dynamics: Granular flow and transport in a bi-axial spherical tumbler**

Web Shopping Images Videos News More Search tools

About 591 results (1.20 seconds)

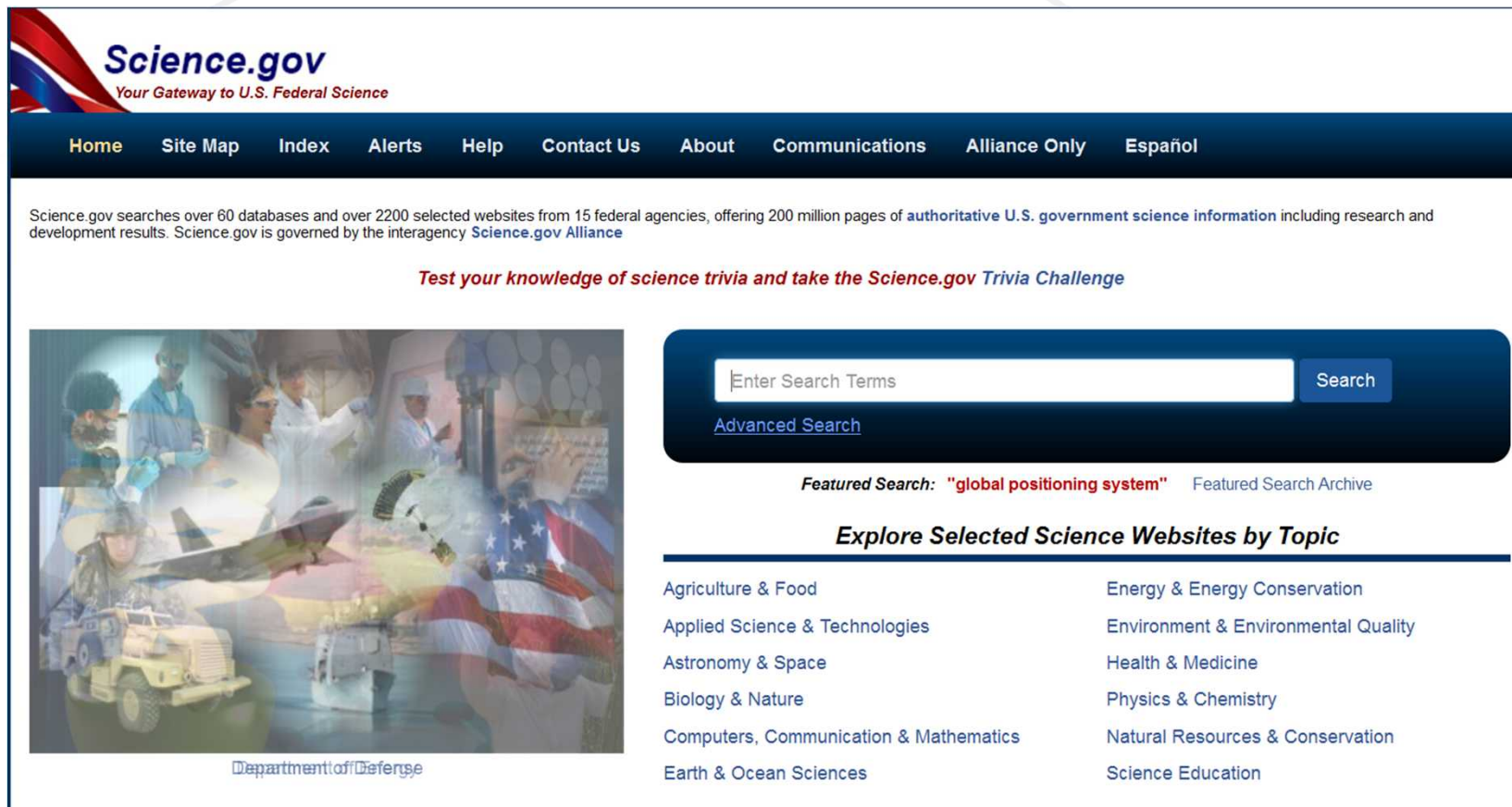
A Study in Three-Dimensional Chaotic Dynamics: Granular ...
epubs.siam.org/.../1309340... Society for Industrial and Applied Mathematics ▾
 by IC Christov - 2014 - Cited by 1 - Related articles
 We study three-dimensional (3D) chaotic dynamics through an analysis of transport in a granular flow in a half-full spherical tumbler rotated sequentially about ...

[DOC] Fan, Y, Schlick, C, Umbanhowar, PB, Ottino, JM, and ...
www.mccormic... ▾ Robert R. McCormick School of Engineering and App... ▾
 "A study in three-dimensional chaotic dynamics: Granular flow and transport in a bi-axial spherical tumbler," Christov, IC, Lueptow, RM, Ottino, JM, and Sturman, ...

A Study in Three-Dimensional Chaotic Dynamics: Granular ...
www.researchgate.net/.../261725778_A_Study_in_Three-Dim... ResearchGate ▾
 May 8, 2014 - Official Full-Text Publication: A Study in Three-Dimensional Chaotic Dynamics: Granular Flow and Transport in a Bi-Axial Spherical Tumbler on ...

A Study in Three-Dimensional Chaotic Dynamics ... - OSTI
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Other Entry Points – science.gov



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Your Gateway to U.S. Federal Science

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Astronomy & Space	Health & Medicine
Biology & Nature	Physics & Chemistry
Computers, Communication & Mathematics	Natural Resources & Conservation
Earth & Ocean Sciences	Science Education

Department of Defense

Other Entry Points – library systems



Web Search

Search for related information in Google Scholar 

Article Title ▼

title words: A Study in Three-Dimensional C

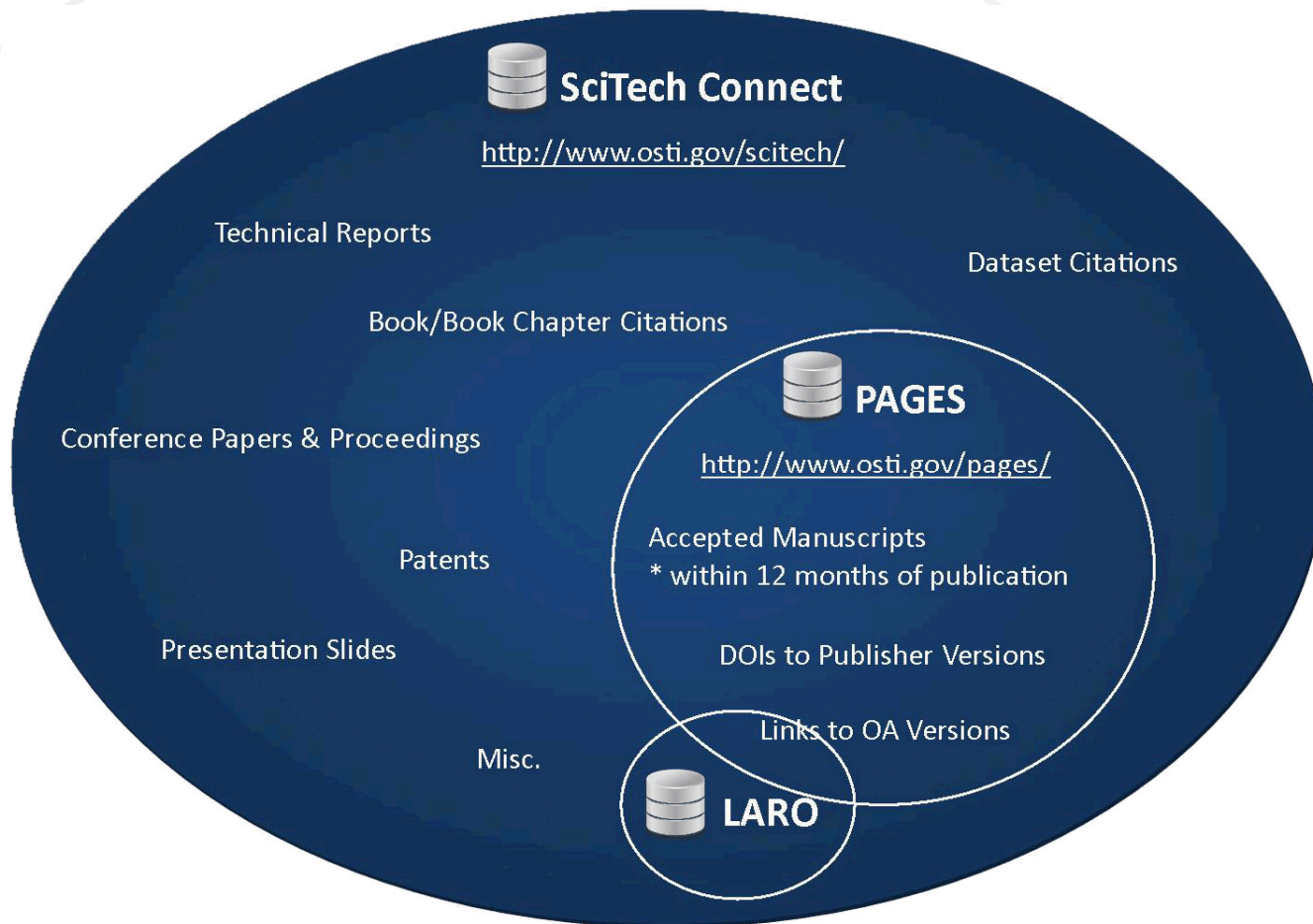
Other Entry Points – Developer Tools

CHORUS

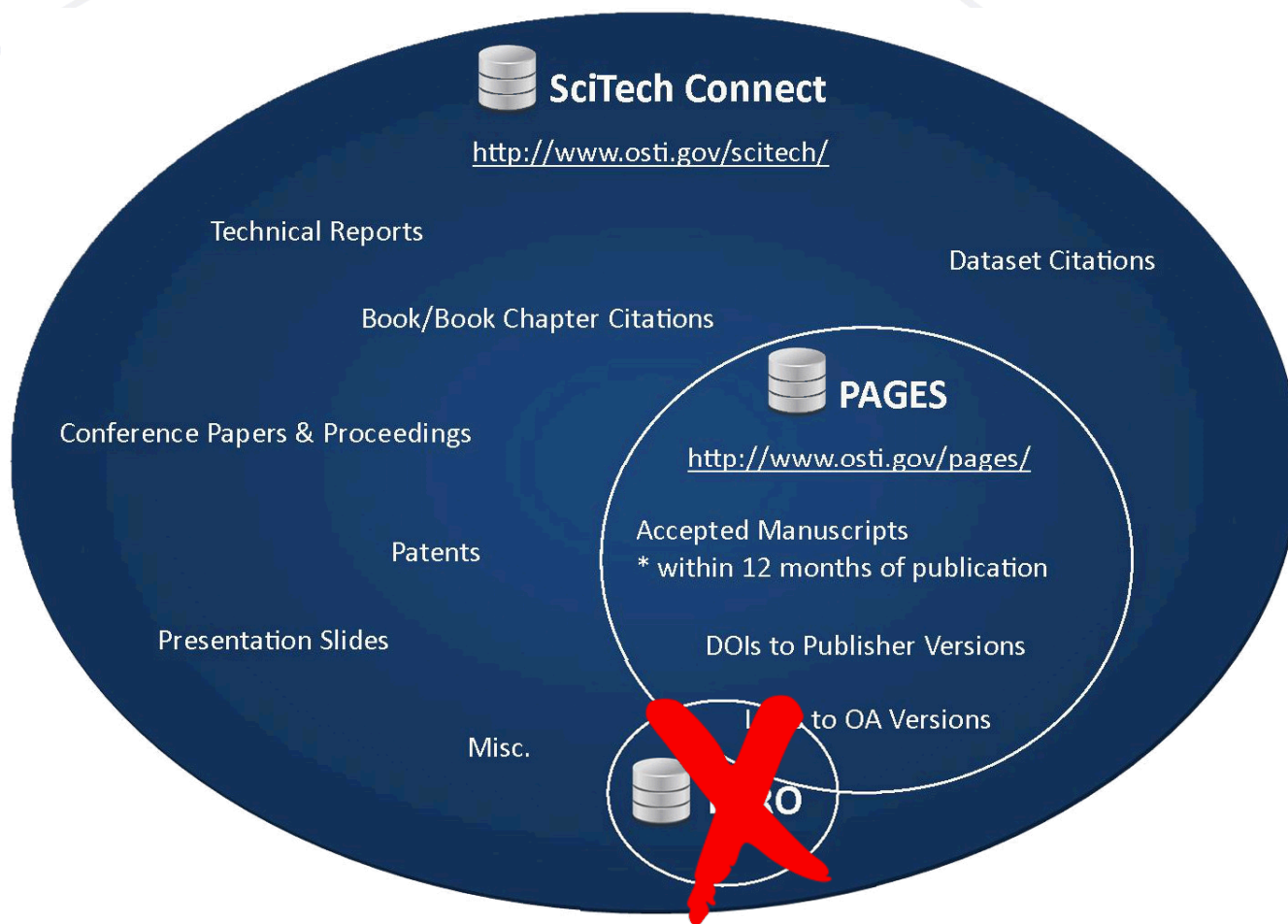
<http://www.chorusaccess.org/>



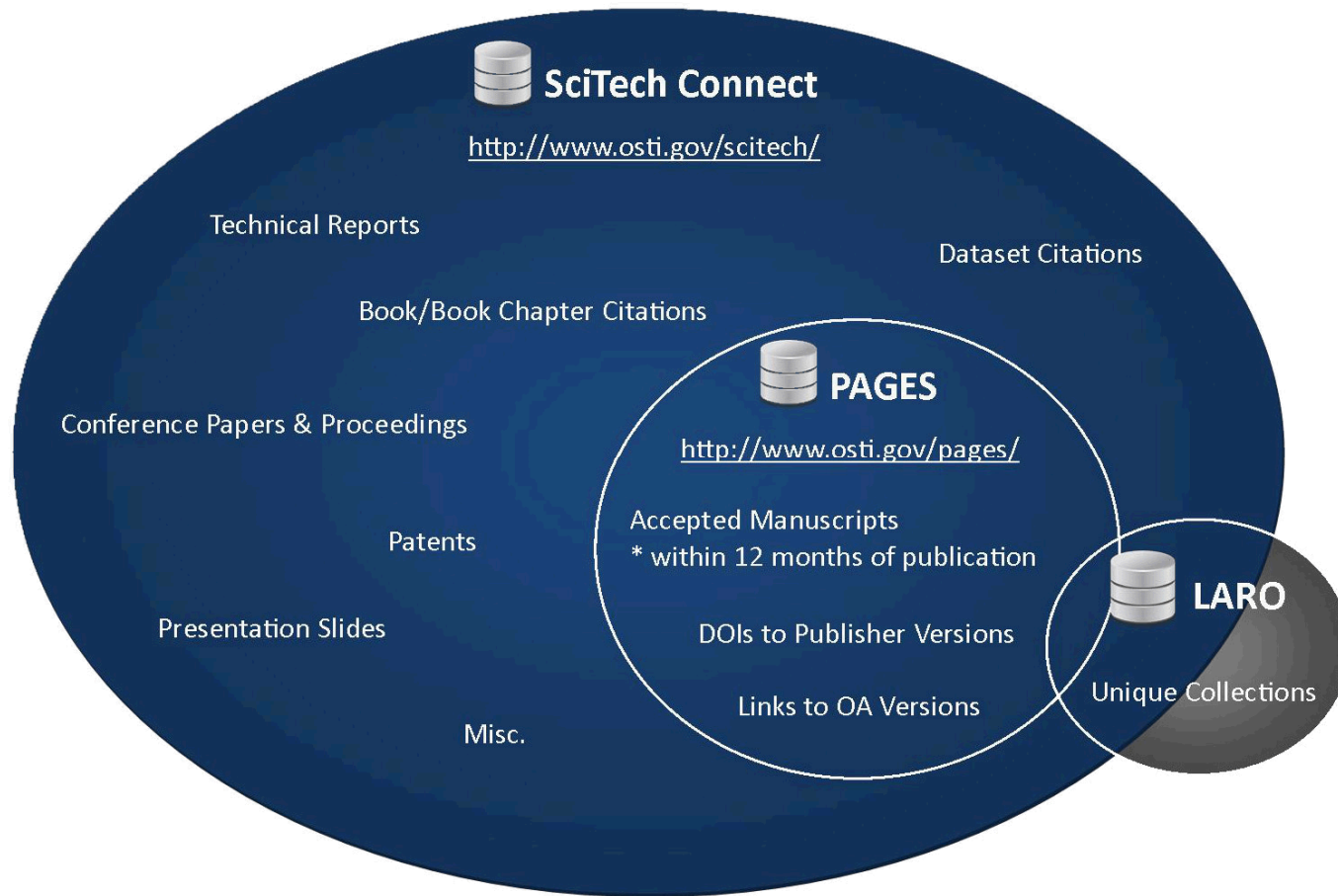
Take-Away Lesson #2 – Don't reinvent the wheel, redefine it



Take-Away Lesson #2 – Don't reinvent the wheel, redefine it



Take-Away Lesson #2 – Don't reinvent the wheel, redefine it



Los Alamos Research Online

Unique features and collections

- Los Alamos Published Research
 - Started in 2006, updated regularly
 - Harvests citations of LANL authored publications
 - Curated through automated and human review processes
 - LANL authors are matched to identifiers and their employee information (normalized name, group, etc.)
 - Citations are enriched with other metadata (e.g. open access status of journal, peer review indication)

Los Alamos Research Online

Unique features and collections

- Earlier access to accepted manuscripts
- Open Access articles are clearly indicated
- Social bookmarking tools enabled
- Access to LANL's research outputs to everyone.
- Provides a public access platform for “special” collections.

Los Alamos Research Online

<http://researchonline.lanl.gov>

Los Alamos Research Online Beta
Los Alamos National Laboratory's public institutional repository

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Tools

My marked records:
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Search History:

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Phrase search (enclose in quotation marks): "neutron diffraction"
Word search: neutron diffraction
Author search: "cox p" OR "cox pa" OR "cox paul" [More search tips](#)



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Take-Away Lesson #3 –

You'll never have all of the data you need, but you must move forward



**Publisher
requirements are a
moving target**

Take-Away Lesson #3 –

You'll never have all of the data you need, but you must move forward

- Build a flexible institutional repository system
- Create a simple database for copyright specialists to record changes and IR admins to access
- Separate item data (ISSN, Publication Date, Date Available Online) from control data (Access Controls, Embargo Date)

Thank You!

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