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Digital Repositories as a Way to Manage Data and Reputation Beyond Publications

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Digital Repositories as a Way to Manage Data and Reputation Beyond Publications



Introduction

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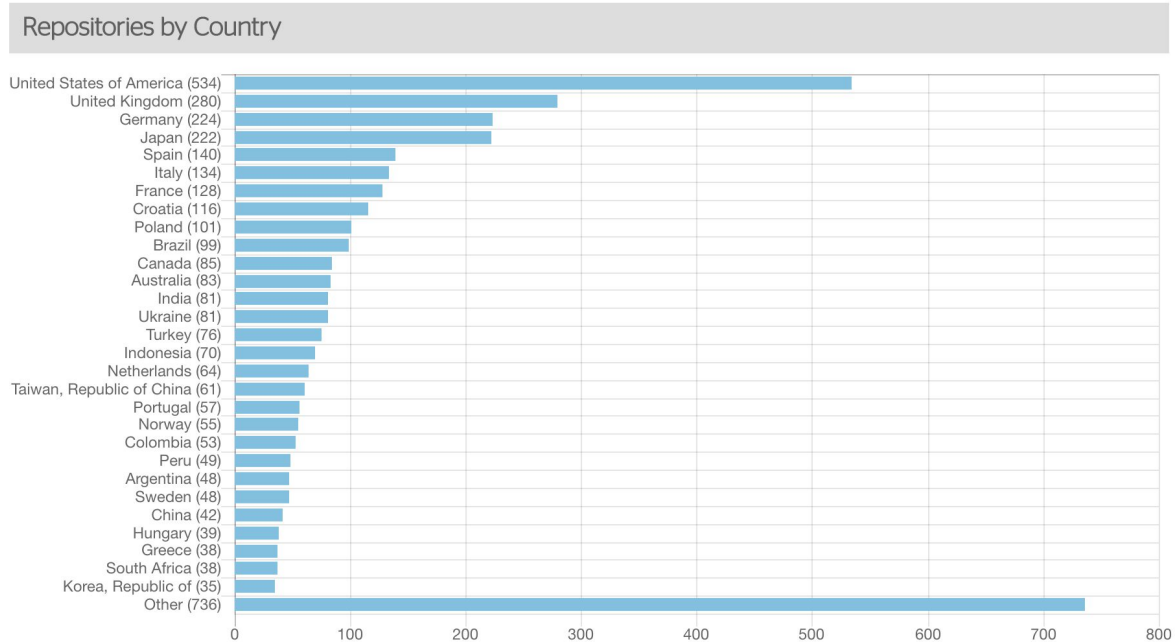
Thea Atwood, Data Services Librarian, University of Massachusetts Amherst



What is an Institutional Repository?

- An open access digital repository, often administered by a university/college library, that promotes, preserves, and provides access to scholarly material produced by that institution's faculty, researchers, and students
- How do Universities use them?
 - To host datasets, theses and dissertations, working papers, conference presentations, book chapters, scholarly articles, the things that we want to preserve and showcase that have no other logical home within the institution's infrastructure.

Global repo landscape



Source:
http://v2.sherpa.ac.uk/view/repository_visualisations/1.html



Beyond the IR: Compliance

Compliance:

- Funder open/public access policies
- PubMed, PAGES, and agency-specific IRs (plus preprints)
- Data repos: Subject/discipline-specific or generalist data repos

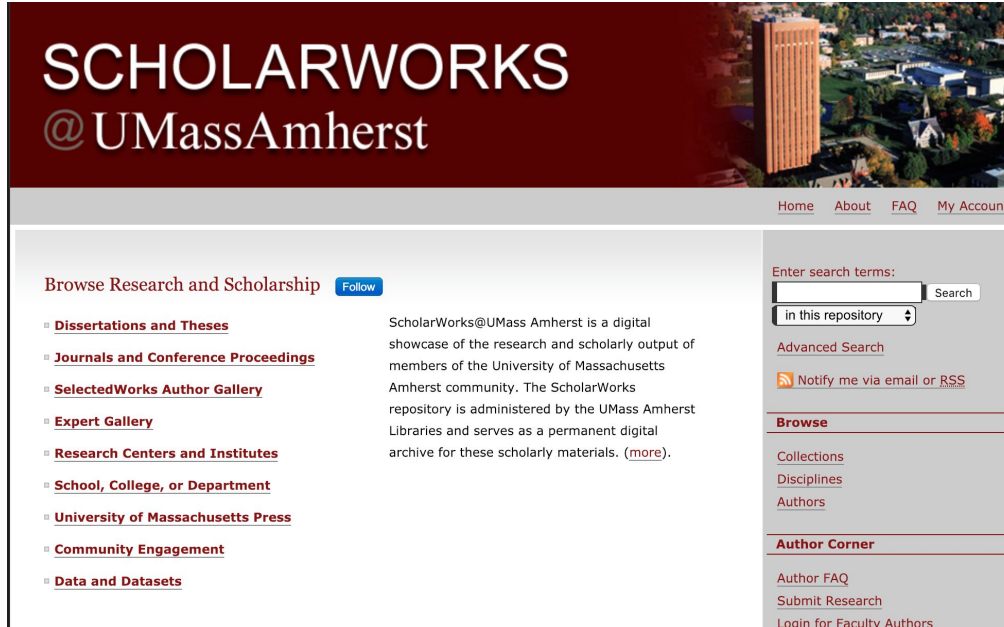


Beyond the IR: Credit

Credit:

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University mission



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ScholarWorks@UMass Amherst is a digital showcase of the research and scholarly output of members of the University of Massachusetts Amherst community. The ScholarWorks repository is administered by the UMass Amherst Libraries and serves as a permanent digital archive for these scholarly materials. ([more](#)).

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Source:
<https://scholarworks.umass.edu/>

Case study - Repository Use at the University of Massachusetts Amherst

Technology & tools we offer

ScholarWorks@UMassAmherst : Digital Commons repository platform

Digital Object Identifiers (DOIs) : DataCite members

Altmetrics: “alternative metrics”; “donuts” at the item level, PlumX plugin to Digital Commons



Monthly readership reports : downloads, page hits



Services we provide

Open Access Policy compliance and permissions

Data and data management plan consultations

Copyright and publishing contract consultations



Benefits of an Institutional Repository

Impact tracking

Search engine optimization

Long-term “preservation”

Built-in infrastructure - no need to reinvent the wheel, management by an organization dedicated to longevity and openness



Benefits of an Institutional Repository (2)

Compliance with funder mandates, other policies

Home for orphan works

Home for works without an established home (data!):

<https://scholarworks.umass.edu/data/>



Potential challenges

Campus buy-in

Cross-campus communication problems

Technology growing pains

Budget - staffing/tools/software/hardware



Opportunities for campus

Repositories as a way to see what's happening in an organization.

Improve attention to current research, demonstrate impact.

Managing work created on campus. Represents a way for the UMass Amherst community to organize and store its research in a single unified location.



Faculty case studies

1. Most downloaded: [How to do Case Study Research](#)
2. Complex project tracking: [Designing Sustainable Landscapes Project](#)
3. “I need a DOI!”: <https://scholarworks.umass.edu/data/1/>
4. Retiring faculty: https://scholarworks.umass.edu/chem_faculty_pubs/1278/



Thanks! Questions?

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