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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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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

Repositories by Country

- United States of America (534)
- United Kingdom (280)
- Germany (224)
- Japan (222)
- Spain (140)
- Italy (134)
- France (128)
- Croatia (116)
- Poland (101)
- Brazil (99)
- Canada (85)
- Australia (83)
- India (81)
- Ukraine (81)
- Turkey (76)
- Indonesia (70)
- Netherlands (64)
- Taiwan, Republic of China (61)
- Portugal (57)
- Norway (55)
- Colombia (53)
- Peru (49)
- Argentina (48)
- Sweden (48)
- China (42)
- Hungary (39)
- Greece (38)
- South Africa (38)
- Korea, Republic of (35)

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:
- Funder open/public access policies
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- Data repos: Subject/discipline-specific or generalist data repos
University mission

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).

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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