Research Data Catalog
Increasing the discoverability of our research

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What are the goals?

- Add to the promotional efforts of our researchers.
- Increase the discoverability of our researcher’s work.
- Increase the potential for collaborative opportunities.
- Create awareness of services available to our researchers.
What type of assistance?

Assist Principal Investigators (PIs) in the design and implementation of data management plans by providing PIs the knowledge pertaining to research data requirements including data sustainability and sharing, as well as available discipline-based repositories.

Advise PIs regarding compliance with sponsor agreements, federal and state regulations, and Texas A&M University System (TAMUS) and Texas A&M University (TAMU) policies concerning the sustainability, access and sharing of research data.
How can we begin to achieve these goals?

Creation of an institutional research data catalog
How will it work?

Pilot Phase I: Federally Sponsored Research

External Project Data

Sponsored Research Services

MAESTRO PROJECT DATA

External Search Engines

AUDIT AND COMPLIANCE

DSPACE CATALOG

SCHOLARS@TAMU
How will it work?

Pilot Phase I: Federally Sponsored Research

Tool sets such as Dimensions are aggregating references to published project data locations that currently exist externally.
Pilot Phase I: Federally Sponsored Research

How will it work?

Sample Attributes

- Project Title
- Project Description
- Project Status (Active/Completed)
- Project Completed Date
- Project PIs/Personnel
- Project College/School
- Project Personnel
- Project Sponsor

MAESTRO PROJECT DATA

DSPACE CATALOG
How will it work?

Pilot Phase I: Federally Sponsored Research

SEO optimization applied for the consumption of search engines
Pilot Phase I: Federally Sponsored Research

How will it work?

• Update Scholars profile to include research data references along with active publications
• Assistance provided to create a Scholars profile if no profile exists
Pilot Phase I: Federally Sponsored Research

Stewardship Assistance

Assistance provided to researchers in achieving federal stewardship requirements for project data to satisfy:

- Any custodial requests related to research data after project completion
- Any audit or integrity inquiry associated with federal project data
- Any assistance needed for the sharing of institutional research data with external parties
What are the stewardship requirements?

SAP 15.99.03.M1.03 The Responsible Stewardship of Research Data

“Federally sponsored research data must be retained for a minimum of 3 years after the financial report for the project period has been submitted or, for non-federally sponsored projects, a minimum of 3 years after the end of the project unless otherwise contractually specified…” [4.1]
Pilot Phase I: Federally Sponsored Research

Stewardship Assistance

Stewardship attributes [non-public] examples

- Data Custodian / Owner
- Service and Project Data Locations
  - TAMU Sponsored Cloud Storage (Google, OneDrive, AWS)
  - Departmental Storage / Aggiecloud
  - Existing services already in place to store specific data types
- Data Retention Review Date
- 3rd Party Access/Data Copy Requests where desired
- Data marked for move to centralized storage
Pilot Phase I: Federally Sponsored Research

Stewardship Assistance

- Identified end of project (EOP) at risk datasets can be requested to be migrated to centralized storage as able.
- Phase I will inform future growth requirements.
What resources are currently committed?

Personnel allocations

- Library - 6 (existing) positions (50% allocation) | $237,000 commitment
- VPR - 2 (new) positions | $205,000 commitment

Infrastructure and licensing funding for pilot

- 80K
Next steps?

Add research working group to evaluate existing pilot and to contribute to the following strategies:

- Addition of internally funded and non sponsored catalog records
- Evaluation of project staffing needs (informed by pilot)
- Growth of centralized institutional storage capacity (informed by pilot)
- UI enhancements
- Addition of physical artifact attributes and storage locations as part of the research data record
- Inclusion of publication records referencing TAMU projects
- Address TAMU research branding to include referrals to the research catalog to enhance discoverability
Interested in contributing?

Do you want to ensure your data set is included in the pilot or participate in the development of the service?

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