Purdue University Research Repository: A Dataset Solution

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PURDUE UNIVERSITY RESEARCH REPOSITORY: A DATASET SOLUTION

GIS DAY @ PURDUE
NOVEMBER 14, 2012

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research.hub.purdue.edu
AGENDA

1. PURR Background
2. Data Management Planning
3. PURR Workflow
4. Using PURR
5. Services / Support
PURR is the free online research data collaboration platform and service solution for Purdue faculty, graduates, and staff.

Research data - shape files, layers, geodatabases, spreadsheets, images, output from sensors and instruments, transcripts, surveys, software source code and tools, video, and observation logs

PURR provides:

✓ Collaborative research project space
✓ Dataset publication with Digital Object Identifier (DOI) *
✓ Support and services
✓ Data management plan resources and consultation

* PURR uses Datacite DOIs. To learn more go to http://datacite.org/whatisdoi
DMP REQUIREMENTS

GRANT FUNDING AGENCIES

National Science Foundation

National Institutes of Health

National Endowment for the Humanities

NASA Earth Sciences Program

Centre for Disease Control

DMP - https://research.hub.purdue.edu/dmp
NSF DMP Guide - https://research.hub.purdue.edu/overview
PURR IS:
COLLABORATION

A PUL, ITaP, and OVPR initiative

A Purdue research core

A hubzero hub

A PUL institutional repository
A **project** is a dedicated working space on PURR for you to collaborate and prepare data for publication and curation for a research project or study.

See [https://research.hub.purdue.edu/kb/AboutPURR/what_is_a_project](https://research.hub.purdue.edu/kb/AboutPURR/what_is_a_project)

A **dataset publication** is a collection of files and metadata you choose from your project to publish with a Datacite Digital Object Identifier (DOI).

See [https://research.hub.purdue.edu/publications?](https://research.hub.purdue.edu/publications?)
PURR Workflow mapped to OAIS Reference Model

1. Data Management Plan Created
2. Owner Creates Project
3. Collaborate within Project
4. Register Grant (optional)
5. Submit Dataset
6. Dataset Published / Archived
7. End of Initial Commitment
8. Long-term Stewardship

SIP - Uncurated Data
Submission Information Package (SIP) created in HUB

DIP - Curated Data
Dissemination Information Package (DIP) created and disseminated on HUB

AIP - Curated Data
Archival Information Package (AIP) created and stored in OAIS archive
DEMONSTRATION

Go to https://research.hub.purdue.edu/
SERVICES & SUPPORT
GUIDES, TOOLS

DMP Overview
DMP Guides and Tutorials
DMP Q & A

• Storage & Pricing
• Knowledge Base
• Contact Us

See https://research.hub.purdue.edu/dmp
Grant information – SPS
Ticketing - ITap
Data reference – PUL

See https://research.hub.purdue.edu/dmp
500+ grants include PURR in their DMPs

36 of these grants have been awarded

291 registered users

135 research projects
QUESTIONS

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PURR: A RESEARCH DATA CURATION SERVICE MODEL USING HUBZERO