How OAIS and OA IR you?: Developing workflows in publishing, promoting, and preserving faculty grey literature within a university

Plato Smith II
Eleventh International Conference on Grey Literature The Grey Mosaic Piecing It All Together

How OAIS and OA IR you? Developing workflows in publishing, promoting, and preserving faculty grey literature within a university

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Introduction

- Demonstrates partnerships between faculty, digital librarian, cataloger, and external digital preservation partners involved in open access (OA) institutional repository (IR) digital collection development and digital preservation of grey literature at Florida State University
- Proposes mapping current digital collections and digital preservation workflows to open archival information system (OAIS) reference model as part of a self-assessment and gap analysis to improve current workflows and move towards the adoption of open standards and best practices
- Explores open access digital collections building and digital preservation policy development by mapping to OAIS reference model
- References The DCC Curation Lifecycle Model and digital curation profile as supplemental resources in the development of an institution’s digital preservation management policy strategy for future inclusion into current digital collection development policy

Research questions

1. Are faculty willing to contribute grey literature to an OA IR?
2. Are faculty interested in preserving some of their grey literature for the development of a preservation policy?
3. Is senior library management willing to support, allocate the resources, and promote a standards-aware culture?

Scope and design

Three small faculty collections used as a pilot for digital collection building and digital preservation:
- 13 rare biological science discipline monographs (digitized)
- 1.4 images of biological silica – Diatomscapes (born digital)
- 21 oceanography discipline technical reports (digitized)
- 1 faculty library exhibition
- Several conference post presentation to promote faculty research
- Several formal & informal interviews with faculty
- Regular email correspondences
- Plot project preservation of Diatomscapes (FDA & MetaArchive)
- Discussions with senior library management
- Recommendation for FSU Libraries to join Florida Digital Archive

Findings

- Provides empirical insights into digital collection building and digital preservation activities to help OA IR and faculty recognize the importance of digital preservation
- OAIS, OA IR, & digital retention are important for digital collection development
- Faculty, both tenure and non-tenure, including the Provost, recognize and support OAIR development and preservation
- OAIR digital collection development and preservation policy are not optimal
- Faculty need to be aware of OAIR digital collection development and preservation activities and policy

Research limitations and implications

- Sample size not significant in breadth and depth
- Lack general application
- Expand scope, content, and research discipline
- OAIS reference model can be used as a framework for digital preservation policy development

Conclusions

- Faculty, both tenure and non-tenure, including the Provost support OAIR development and preservation of OAIR content, including grey literature
- Senior library management supports OAIS OAIR research and digital preservation policy development with recent ICPSR Digital Preservation Management Workshop and future METS Workshop training
- Collection Development Digital Initiatives Policy spearheaded by senior library management lacks a preservation policy
- FSU Libraries need to develop a digital preservation management policy starting with OpenDOAR compliance while working towards Reference Model for an OAIS Reference Model OAIS Data Flow Diagram & Administrative Context Diagram, from pg. 62 of 131 of CCSDS 650.0-P-1.1, August 2009 to be used for mapping current digital collection building and preservation activities in the development of a preservation policy.

Workflow:

DigiTool-to-Florida Digital Archive (FDA) workflow for flagging access objects for archive storage.

Example: 1

Digitized rare biological science monographs are accessible online via libraries online public access catalog (OPAC), OA IR, OCLC WorldCat, and are being preserved in Florida Digital Archive (FDA).

Example: 2

Born digital images of select biological silica are accessible online via OPAC, OA IR, OCLC WorldCat, and are being preserved in FDA & MetaArchive.

Example: 3

Digitized technical reports are all accessible online via OPAC, OA IR, OCLC WorldCat, and are being preserved in FDA.