Developing small worlds of e-science: using quantum mechanics, biological science, and oceanography for education and outreach strategies for engaging research communities within a university

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Research limitations and implications
- Sample size not significant in breadth and depth
- Lack general application
- Expand scope, content, and research disciplines
- OAIS reference model, DCC Curation Lifecycle Model, & Boyer’s Model of Scholarship used as a framework development

Findings
- OAIS, OA IR, digital preservation, & digital concepts education
- Digital curation of scholarly output & data set are needed
- “Data curation + digital preservation = digital curation” - Nance
- Data curation research discipline profiles should be developed for access and preservation of scientific scholarly output & data sets

Conclusions
- Senior library management supports OAIS OA IR 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 is developing a digital preservation management policy starting with OpenDOAR compliance while working towards Reference Model for an Open Archival Information System (OAIS) CCSDS 652.0-R-1 (Pink Book) Issue 1.1 August 2009 and Audit and Certification of Trustworthy Digital Repositories CCSDS 652.0-R-1 (Red Book) Issue 1 October 2009, & constructing data curation profiles
- Explore University of Florida’s (UF) METS Viewer/Editor tool for creation of METS, MARC, MODS, DC, and other exported xml files.
- Begin to develop research discipline data curation profiles