Digital Scholarly Record Working Group

Background Context

March 20, 2017
Preliminary Digital Strategy Discussions

- Digital Research Infrastructure
- Teaching & Learning Technologies (OnQ, e-reserves, OER etc)
- Admin Systems (PeopleSoft, productivity, EDRMS, etc)
DRI ecosystem mapping emerging from the Leadership Council on Digital Infrastructure

- LCDI Mission: To provide leadership on behalf of the DRI ecosystem in Canada
- Multiple stakeholders: VPRs, CIOs, CARL, CRKN, CASRAI, RDC, CANARIE, Compute Canada, researchers, granting council observers
- Chaired by Waterloo President Feridun Hamdullahpur
- M. Whitehead serving on Executive
- Short-term funding from ISED
DRI Ecosystem
Core Components

- Advanced Research Computing Processes the Data
- Research Data Management Curates the Data
- Storage Stores and Protects the Data
- Network Moves the Data
- Advanced Research Software Presents the Data

Key Ingredients
- Infrastructure (HW & SW)
- HQP
- Operational policies & processes
- Funding

Key Outcomes
- Research
- Knowledge
- Commercializable products/outcomes

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Overview of Challenges Facing Canada’s DRI Ecosystem

- No single point of contact for DRI ecosystem
- Lack of clarity on priorities within each component of the ecosystem and for the ecosystem overall, making it difficult to advocate for new programs and funding
- Distributed delivery system that lacks full clarity on responsibilities of various players and accountabilities for delivery
- Lack of coherent system-wide planning or coordination
- Difficulty keeping pace with change
- Uneven and unaligned funding structures/underfunding
- Uneven PSE community awareness and support
1. Develop position papers conveying LCDI perspectives on at least two (compute and data management), and possibly more, of the core components of the DRI ecosystem, beginning with a mapping of core functionalities required to address researcher need.

2. Identify key DRI ecosystem coordination issues and options for moving forward.

3. Build awareness and PSE community support for the DRI ecosystem in Canada.
Data-Related Activities During the Research Process

Integrate & Reuse

Plan

Acquire, Generate, Create

Secure

Discover

Clean & Process

Preserve

Curate

Document, Communicate, Disseminate

Analyze

Strategic Planning

Coordination

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LCDI next steps

• Position papers on Data Management and Compute
• Independent environmental scan of coordination approaches in other, international jurisdictions
• Summary of current coordination issues within the DRI ecosystem in Canada
Digital Scholarly Record

- Digital Scholarly Record
- Digital Research Infrastructure
  - Teaching & Learning Technologies (OnQ, e-reserves, OER etc)
  - Admin Systems (PeopleSoft, productivity, EDRMS, etc)

Queen's University
Pressing data needs and opportunities

• Data management plans – helping researchers comply with imminent Tri-Agency DMP requirements
• Data management infrastructure/services – CAC, ITS, Library (and regional/national partnerships)
• Open access publication options – helping researchers comply with Tri-Agency Open Access Policy on Publications
• Various elements of scholarly communications roadmap
• Campus coordination – researcher hub
Campus perspectives

Roundtable updates and thoughts