Developing a Personalized Institutional Repository Framework to Address Local Priorities and Goals

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Project overview

- The Mines Institutional Repository (IR) Steering Committee adapted official repository certification criteria and existing IR frameworks to develop a personalized framework for Mines.

- The Framework for the IR at Mines (FIRM) is a tool to help with:
  - self-assessment
  - strategic decision making
  - characterization of ongoing needs
Purpose

• The institutional repository currently does not currently meet all of Mines’ research community’s needs
• The IR Steering Committee found it necessary to collectively outline the fundamental components of a successful IR for Mines

The purpose of this exercise was to characterize IR needs and to develop a framework that can be used for self-evaluations and strategic decision making.
Literature on IR success factors

• Literature emphasizes content recruitment and user participation
• Lagzian, Abrizah, and Wee (2015b) stress self-archiving practices as one of the most important “critical success factors”
• Case studies emphasize the importance of assessing the research community’s needs in order to best align IR policies, procedures, and strategies (Cassella, 2010)

There are also digital repositories certificates, such as:
• The Trusted Repositories Audit and Certification: Criteria and Checklist (TRAC)
• The CoreTrustSeal
Method

1. IR Steering Committee formed a working group to lead the development of the FIRM

2. The working group collaboratively worked to develop the FIRM by reviewing:
   - The Audit and Certification of Trustworthy Digital Repositories
   - The 16 requirements for the CoreTrustSeal
   - Existing literature on IR development and success factors
   - A selection of Mines’ pertinent funding agencies’ sharing mandates
Findings

**core components** - what is necessary to have for a proper, manageable, functioning digital repository

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<th>The core components:</th>
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<td>• Mission statement which reflects commitment to preservation and access</td>
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<td>• Collection policy</td>
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<td>• Continuity plans</td>
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<td>• Strategic preservation plan</td>
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<td>• Operating workflow</td>
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<td>• Digital infrastructure</td>
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<td>• Rich metadata</td>
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<td>• Security protection and backup up processes</td>
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**aspirational features** - what will enable the IR to be a unique and advantageous resource for the Mines community

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<th>The aspirational features:</th>
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<td>• Self-submission capabilities (self-archiving)</td>
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<td>• Features to enhance scholarly footprint</td>
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<td>• Processes that promote best practices in sharing research data</td>
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<td>• Discovery and identification features</td>
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<td>• Restricted access controls</td>
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<td>• Outreach and marketing support</td>
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Lessons learned

• The working group members’ different lenses provided differences in perspective of the framework

• It was challenging to place items in the two categories

• Most of the requirements from the CoreTrustSeal and the Audit and Certification of Trustworthy Digital Repositories are included in the FIRM in adapted or identical forms

• Community feedback is needed to build a successful FIRM
Next steps

• Take a comprehensive look at more funder mandates to share research output

• Review best practices for sharing research among the community’s disciplines

• Obtain user feedback from the IR’s audience and clients through surveys and focus groups
Questions or comments?

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References


