October 13th 2020

OpenAIRE and Canadian Repositories

Integrating Canadian repositories into global services
OpenAIRE Week Panel: European – National – International alignment

NRG Statement

"position repositories as the foundation for a distributed, globally networked infrastructure for scholarly communication, on top of which layers of value added services will be deployed"

COAR Next generation repositories (NGR) statement 2018

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Investing in Open

"The benefits of collective approaches, as opposed to piecemeal or individual investments, is clearly evident from the survey results. **Coordination at the national or regional level amplifies the impact of investments** through greater alignment, reducing redundancies, and creating sustainable funding for priority services or infrastructures."

Investments in Open
Canadian Research Libraries' Expenditures on Services, Staff, and Infrastructures in Support of Open Scholarship

by Kathleen Shearer

JULY 2020

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The Canadian Context

- Many content repositories including both scientific literature repositories and research data repositories.

- Dspace, Dataverse, Eprints, Bepress Digital Commons, Islandora, etc.

- Heterogeneous content development policies.

- ETDs most common

- Silos, even if open protocols (API, OAI, etc.)

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The Canadian Context

- Few value added repositories

Thèses Canada

OpenAIRE project

- OpenAIRE Advance [WP5 Global OA scholarly communication infrastructure](#)

  – Subtask 5.3.2. *Pilot the Aggregator-as-a-Service with Canadian repositories*

OpenAIRE Advance

- Aggregator-as-a-Service with Canadian repositories
  - Metadata and full text aggregation
  - Enrich and enhance metadata based on automated inference from other external sources (e.g. 3 Canadian major research funders public grants database)
  - Provide a portal for Canadian content and support tracking of Canadian research outputs

The Canadian Context

- Open Repositories Working Group (ORWG) of the Canadian Association of Research Libraries (CARL)

  - OpenAIRE Task Group

  - Mapping the Repository Landscape in Canada

  - Community Building & Engagement

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Foreseen benefits

- Support greater visibility and tracking of Canada's Open Access content.

- Leverage, add value and strengthen the existing repository landscape in Canada

- Reduce our institutional dependency on external players that do not have values aligned with openness and the public interest

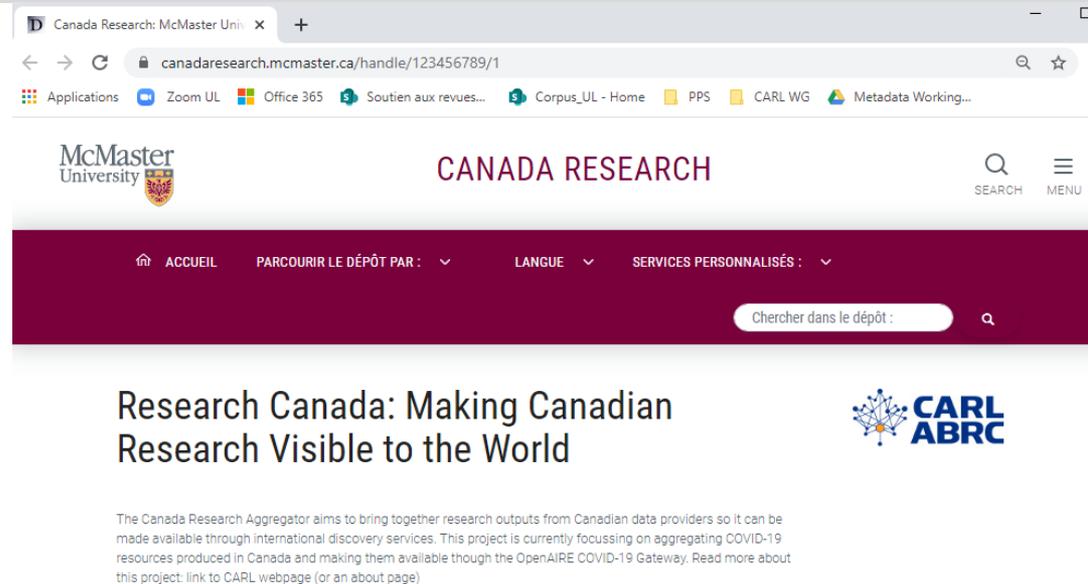**CARL❖ABRC**

Foreseen benefits for Canadian funders

- Enable 3 Canadian major research funders to track open access articles more comprehensively

- Improve researcher compliance with the 3 Canadian major research funders OA policy

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How we proceed

- Obtain 3 major funders commitment

- Conduct pilot for OpenAIRE Compliance
  - Fund DSpace V5 and V6 code (4science)
  - Other softwares
  - Research Data: FRDR aggregator

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How we proceed

- "[Canada Research](#)" aggregator
  - Built to accelerate harvesting of COVID content by OpenAIRE.
  - Hosted by McMaster University, ensure compliance with guidelines.

How we proceed

- Articulating national aggregator and institutional repositories

  - **Option 1:** Repository adopts OpenAIRE guidelines and metadata is directly harvested by OpenAIRE

  - **Option 2:** Repository harvested by the "Canada Research" aggregator

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Challenges

- Implementing the OpenAIRE Guidelines

- Getting funders on board

- Coordinating multiple stakeholders
  - Canadian ScholCom Community
  - 3 major Canadian funders
  - OpenAIRE
- Coordination effort must remain constant

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Open questions

- When building distributed, globally networked infrastructure for scholarly communication:

  – Need to clearly define what are the role of institutional layers, national layers and international layers?

  – What are value added service, at the institutional level? At the national Level?

  – What entities ensure coordination between layers?

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For more info:

http://www.carl-abrc.ca/advancing-research/institutional-repositories/open-repositories-working-group/