

# Open Science Road Map for Canada

Leslie Weir

Librarian and Archivist of Canada

RDC Data Ownership Series Part 5: The Open  
Science and Open Data Context

Library and Archives Canada



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# Federal Government Context

- Directive on Open Government (October 2014)
- Model Policy on Scientific Integrity (June 2017)
- Federal Data Strategy Roadmap (August 2019)
- Policy on Service and Digital (April 2020)

# Chief Science Advisor of Canada

- Mona Nemer, Chief Science Advisor to Canada
- Need for Open Science Road Map
- Desire to coordinate with and build upon the Tri-Agency Open Access Policy on Publications and the Statement of Principles on Digital Data Management



# Advisory Committee on the Open Science Road Map (April - August 2019)

- Leslie Weir, University of Ottawa, Chair
- Government of Canada Membership:
  - Luc Gagnon, Chief Technology Officer, Shared Services Canada
  - Sarah Gallagher, Science Advisor, Canadian Space Agency
  - Nancy Hamzawi, Assistant Deputy Minister, Science and Technology, Environment Canada
  - Donna Kirkwood, Chief Scientist, Natural Resources Canada
  - André Loranger, Assistant Chief Statistician, Statistics Canada
  - Dan Wayner, Departmental Science Advisor and Chief Science Officer, National Research Council

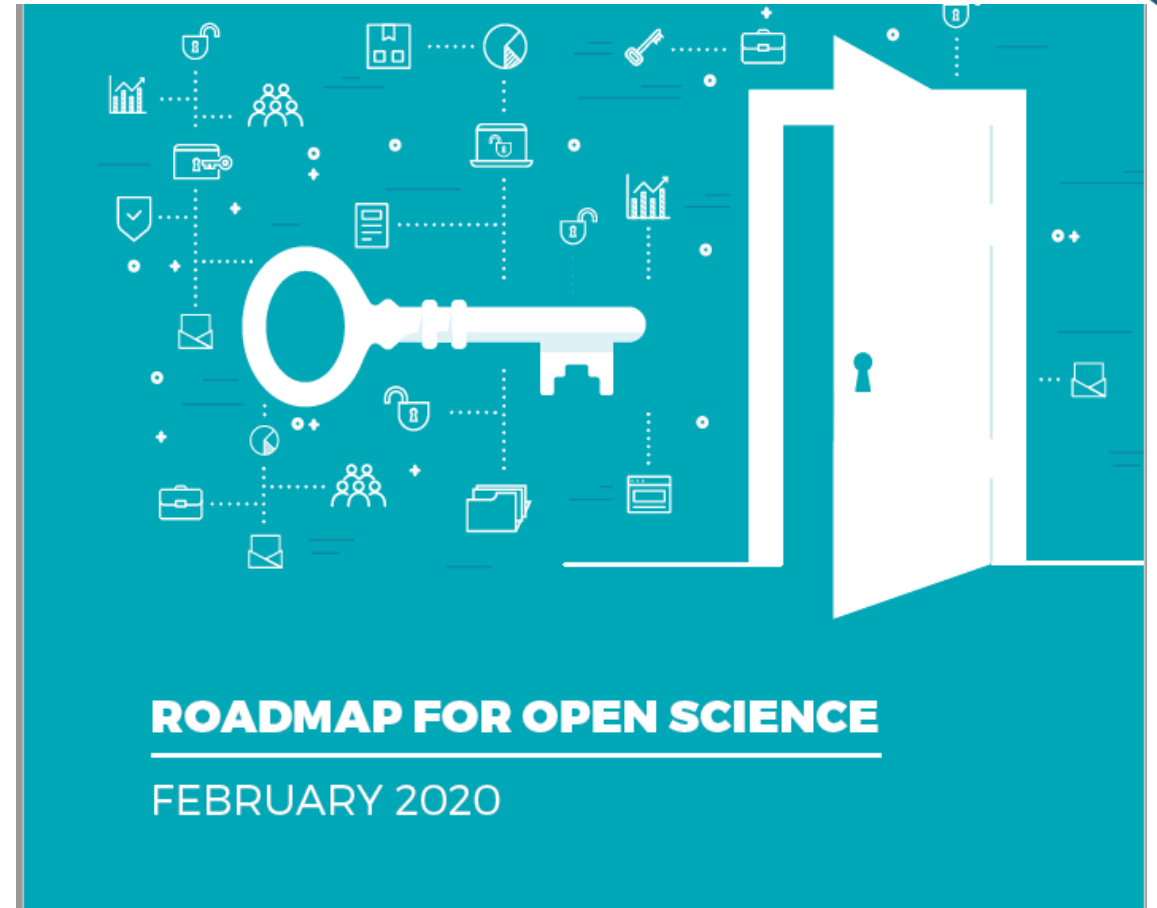
# Open Science Road Map Advisory Committee



- External Membership:
  - Tammy Clifford, Vice-President, Research Programs, CIHR
  - Martha Crago, Vice-Principal, Research and Innovation, McGill University
  - Chad Gaffield, University Research Chair Professor in Digital Scholarship, University of Ottawa
  - Danika Goosney, Vice-President, Research Grants and Scholarships, NSERC
  - Gilles Patry, Executive Director, U-15
  - Bo Wandschneider, CIO, University of Toronto

# Guiding Principles

- People
- Transparency
- Inclusiveness
- Collaboration
- Sustainability



# Recommendations

- 10 Recommendations beginning with:

*Canada should adopt an Open Science approach to federally funded scientific and research outputs*

# Open By Default

- ***Federal science articles:***
  - Scholarly articles authored or co-authored by federal scientist(s) or researcher(s) in peer-reviewed academic journals.
- ***Federal science publications:***
  - Scientific communications that scientists and researchers use to share their work. These include research or scientific reports, monographs, edited books, book chapters, conference proceedings, conference papers, conference contributions, posters, plain language summaries and technical scientific products.
- ***Scientific and research data:***
  - Data that include, but are not limited to, observational, monitoring, operational, modelling and simulation, risk assessment, survey and surveillance, diagnostics and targeted survey, research and development, and technology innovation data.



# Open Science Steering Committee

## Membership

- Mona Nemer, Chief Science Advisor of Canada, Co-Chair
- Paul Glover, President, Shared Services Canada, Co-Chair
- Marc Brouillard, Acting Chief Information Officer of Canada
- Erin O’Gorman, Associate Secretary, Treasury Board Secretariat
- Roger Scott-Douglas, Acting President, National Research Council
- Leslie Weir, Librarian and Archivist of Canada

# Next Steps

- Consultations and discussions with the federal research community
- Development of actions plans to support the implementation of the Road Map
- Steering Committee next meet on December 11<sup>th</sup>
  - Revise timelines in the Road Map (due to COVID-19)
  - Approval the guidance framework for federal government science
  - Action planning for supporting openly accessible federal science articles (2022) and federal science publications (2023)

## Library and Archives Canada

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