



# Tri-Agency Policy on Data Management Plans

University Delegates' Network Meeting

July 13th, 2017

# WHAT ARE RESEARCH DATA?

Research data are contents that are used as primary sources to support research, scholarship, artistic activity or research-creation, and that are used as evidence in the research process and commonly accepted in the research community as necessary to validate research findings and results.



# WHY DATA MANAGEMENT?

Research Excellence

Research Dissemination

Research Impact

Research Best Practice



OCUL Ontario Council of University Libraries



Canada



Universities Canada. Universités Canada.

CAUL CBUA Council of Atlantic University Libraries Conseil des bibliothèques universitaires de l'Atlantique



Libraries

Researchers

compute canada | calcul canada



Grad Studies

IT



Ethics

RSO



casrai



Courtesy of Chuck Humphrey Director Portage Network



SSHRC CRSH

# TRI-AGENCY POLICY DEVELOPMENT BACKGROUND

**2013 - 2014**

Capitalizing on Big Data: Toward a Policy Framework for  
Advancing Digital Scholarship in Canada

Tri-Agency Working Group

Community Engagement

Advisory Committee

Environmental Scan

**2016**

Tri-Agency Statement of Principles on Digital Data Management



SSHRC  CRSH

# STATEMENT OF PRINCIPLES ON DIGITAL DATA MANAGEMENT

Outlines the Agencies' overarching expectations with regards to research data management, and the roles and responsibilities of researchers, research communities, research institutions and research funders in meeting these expectations.

Does not include mandatory requirements.

Aims to establish a common set of principles that will serve as the basis for the development of data management requirements that the Agencies will establish collectively or individually.

# TRI-AGENCY POLICY DEVELOPMENT CONTINUING TO ENGAGE THE COMMUNITY

## Spring - Summer 2016

Conferences and other forums

Scholarly and scientific associations

## Fall 2016 - Winter 2017

Support to Data Management Planning Survey

SSHRC Data Management Planning Workshop (with Portage)

Research Data Canada, Research Data Alliance, Leadership Council for Digital Research Infrastructure, Polar Data Canada, and others

Funding agency colleagues across the Americas and Europe



SSHRC  CRSH

# INTENDED IMPACT OF A TRI-AGENCY DATA MANAGEMENT POLICY

The Tri-Agencies aim to contribute to a future research culture that sees:

- Strong data management as an accepted signifier of research excellence across disciplines, and a regular feature in the conduct of research;
- More Canadian datasets cited, and valued as a product of research in tenure, promotion and peer review processes;
- Canadian researchers equipped and ready to engage in international research collaboration where data management requirements are becoming the norm;
- Canadian research institutions ready to support the management of the data their researchers produce;
- Increased ability for research data to be archived, found and responsibly reused, to fuel new discovery and innovation.



# DRAFT TRI-AGENCY DATA MANAGEMENT POLICY

- For consultation
- Feedback will inform final policy
- Proposed policy includes 3 possible requirements:
  1. Institutions: Institutional Strategy
  2. Researchers: Data Management Plans
  3. Researchers: Data Deposit
- Implementation: Phased, incremental

# DRAFT

# TRI-AGENCY DATA MANAGEMENT POLICY

## 1. Institutions: Institutional Strategy

- Each institution administering Tri-Agency funds could be required to create an institutional research data management strategy. The strategy could outline how the institution will provide its researchers with an environment that enables and supports world class research data management practices.
- The strategy could be posted and made publicly available on the institution's website, with contact information to direct inquiries about the strategy.

# DRAFT

# TRI-AGENCY DATA MANAGEMENT POLICY

## Why Require Institutional Strategies?

- Recognizes the role of institutions in providing supports for data management
- Provides an opportunity for institutions to think through where gaps exist, and how to address them from a campus-wide perspective
- Could aid institutions in developing an approach that works for them, while encouraging alignment and collaboration with other institutions
- Could provide information to agencies about data management capacity
- Serves as foundation for the potential requirements that follow

# DRAFT

## TRI-AGENCY DATA MANAGEMENT POLICY

### 2. Researchers: Data Management Plans

- Grant recipients could be required to create data management plans (DMPs) for research projects supported wholly or in part by Tri-Agency funds. Grant recipients could submit these plans to their institution's research office as a condition of the release of grant funds.
- For specific funding opportunities, the agencies could require DMPs to be submitted to the appropriate agency at time of application; in these cases, they may be considered in the adjudication process.

# DRAFT

# TRI-AGENCY DATA MANAGEMENT POLICY

## Why Require Data Management Plans?

- DMPs are an emerging international best practice
- DMPs are an excellent way for researchers to identify opportunities and challenges in managing their data, well before those opportunities and challenges emerge
- Researchers claim that the process of developing a DMP helps them to improve their research plans and methodologies
- DMPs could serve the responsible conduct of research and the research ethics approval process
- DMPs help identify and mitigate issues related to ownership of data, potential for data sharing, etc.

# DRAFT

## TRI-AGENCY DATA MANAGEMENT POLICY

### 3. Researchers: Data Deposit

- For all research data and code that support journal publications, pre-prints and other research outputs that arise from agency-supported research, grant recipients could be required to deposit these data and code in an appropriate public repository or other platform that will ensure safe storage, preservation, curation, and (if applicable) access to the data.

# DRAFT

# TRI-AGENCY DATA MANAGEMENT POLICY

## Why Require Data Deposit?

- Methods, expectations and online security will change - storing in a secure location provides better chance for data to be safe and of use to the creator in the future
- Data deposit helps ensure proper use of public funds
- Facilitates reproducibility of results
- Facilitates data sharing

# COMMUNITY FEEDBACK IS KEY

Community feedback is essential to inform the final design of the policy and the mode of its implementation.

The agencies consider the draft policy as a proposal through which to advance discussion with the many stakeholders in the research community, with a tri-agency policy as the desired end product.

The agencies plan to launch an online consultation to advance discussion with the community.



# UPCOMING ENGAGEMENT



**RDA** 10<sup>TH</sup> <sup>ÈME</sup>  
**BETTER DATA  
BETTER DECISIONS**  
**TRÈS** BONNES DONNÉES  
BONNES DÉCISIONS

PLENARY MEETING / CONFÉRENCE  
19-21 SEPTEMBER / SEPTEMBRE 2017  
MONTRÉAL, CANADA

 RESEARCH DATA ALLIANCE  
   
RDC  DRC  
Recherche en Santé Canada - Données de Recherche Canada  
Université  de Montréal



# Questions?

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