

RESEARCH DATA ALLIANCE - 18TH PLENARY
NOVEMBER 9, 2021, 4:00 - 5:30 PM UTC
BREAKOUT SESSION #8

Update on maDMPs in a government context: *Developing an RDA maDMP extension and logic model*

Claire Austin, PhD
Francine Kalonji
Katherine Timms
Jennifer Cuffe



Claire Austin, PhD

Science Senior Officer/Advisor – Data/IM/IT
Environment and Climate Change, Canada

Katherine Timms

Senior Project Officer
Library and Archives Canada

Francine Kalonji

Information Systems Specialist
Statistics Canada

Jennifer Cuffe

Senior Archivist
Library and Archives Canada

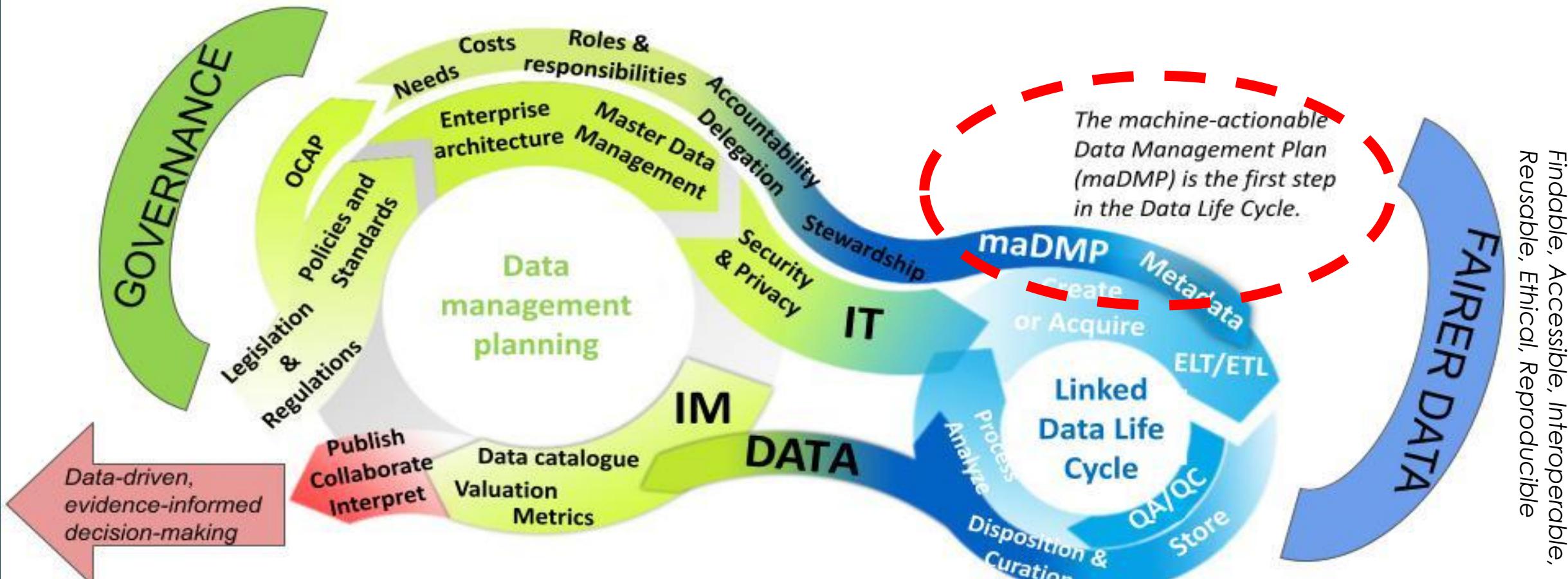
“All views are the authors’ own. We are not speaking in the role of official government spokespersons, and are not making explicit comments or recommendations on, or explicit discussions about, Canadian statutory, regulatory, or policy matters, or data.”
“We declare that we have no conflicts of interest.”

Acknowledgments

This work would not have been possible without the participation and assistance of the interdepartmental DMP working group. We express our grateful appreciation to the following contributing members:

Austin, Claire C. - Chair	(Environment & Climate Change Canada)	Perron, Isabelle	(Agriculture & Agri-Food Canada)
Cadieux, Liseanne	(National Research Council)	Peterson, Lynn	(National Research Council)
Cuffe, Jennifer	(Library & Archives Canada)	Reardon, Anthony	(Health Canada)
Hurd, Brad	(Agriculture & Agri-Food Canada)	Roy, Sophie	(National Research Council)
Hyndman, Naida	(Health Canada)	Savova, Nelly	(Library & Archives Canada)
Jan, Shireeh	(Library & Archives Canada)	Schut, Steve	(Department of Fisheries & Oceans)
Kalonji, Francine	(Statistics Canada)	Timms, Katherine	(Library & Archives Canada)
Katz, Rebecca	(Canada Space Agency)	Tompkins, Heather	(Library & Archives Canada)
Levesque, Nathalie	(Canada Space Agency)	White, Ryan	(Statistics Canada)

Governance and Data Management Planning vs. Data Management Plan (DMP) and Data Life Cycle

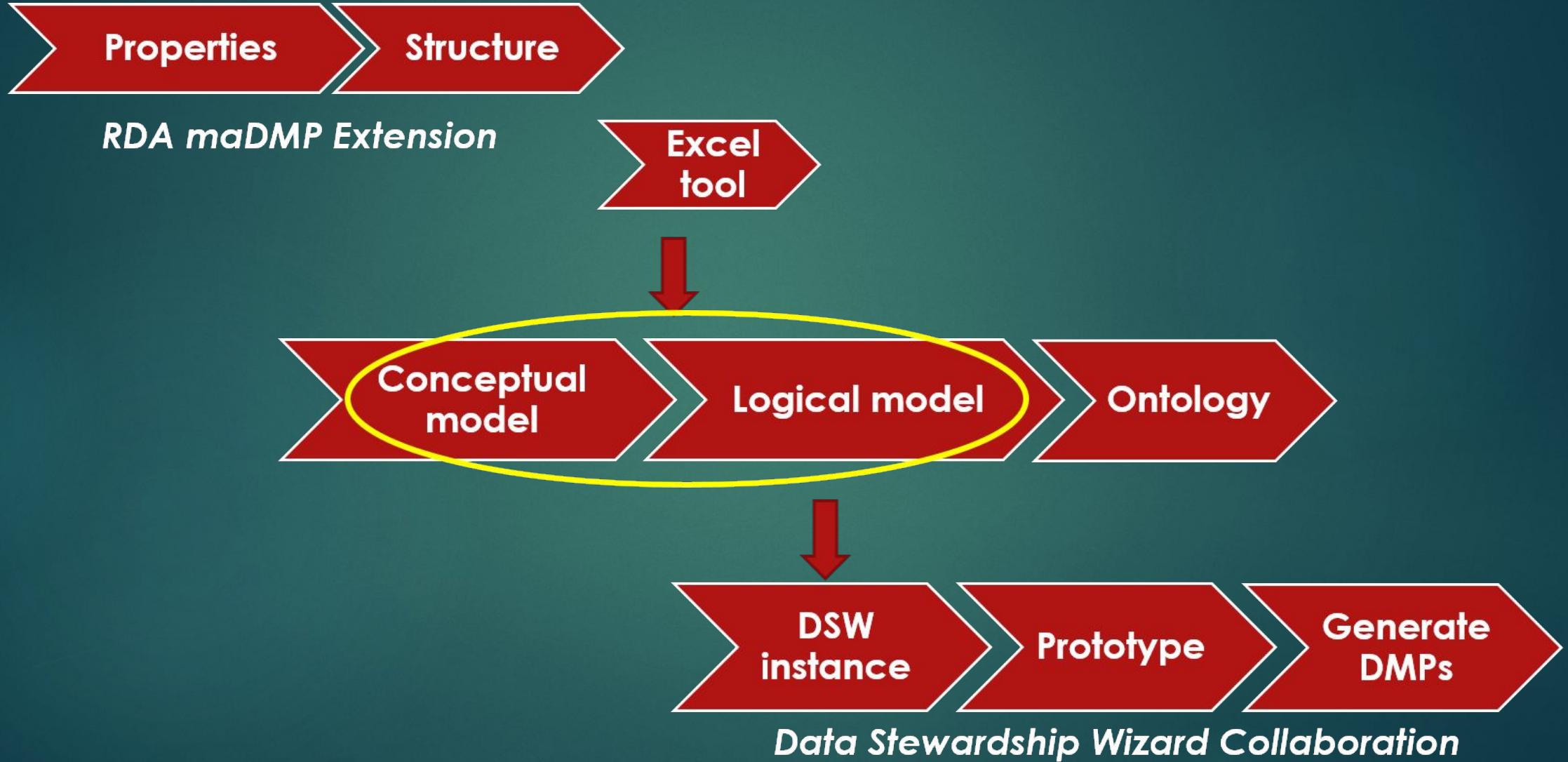


OPEN GOVERNMENT - OPEN SCIENCE - OPEN DATA - CARE PRINCIPLES - HUMAN RIGHTS - TRUST
Open-by-default-by-design

maDMP extension sections

- ▶ 1. General information
- ▶ 2. Project information
- ▶ 3. People information
- ▶ 4. Resources
- ▶ 5. Funding
- ▶ 6. Legal or ethical issues
 - ▶ Indigenous considerations
 - ▶ Security and privacy
 - ▶ Intellectual property
 - ▶ License and/or other arrangement
- ▶ 7. Dataset metadata
- ▶ 8. Dataset
- ▶ 9. Dataset distributions
- ▶ 10. Host
- ▶ 11. Disposition and retention
- ▶ APPROVALS

Development of an RDA maDMP extension

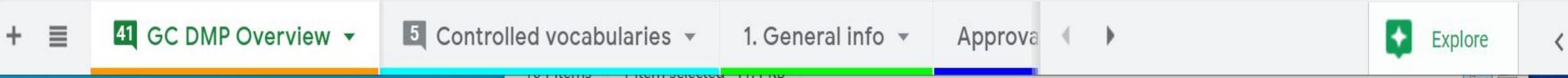


Excel workbook tool

- ▶ Disadvantages
 - ▶ Not the ideal tool
 - ▶ Prone to errors, redundancies, inconsistencies
- ▶ Advantages:
 - ▶ Easy to set up
 - ▶ Easy to understand by a broad, non-technical audience
 - ▶ Easy to solicit input and discussion

Excel workbook

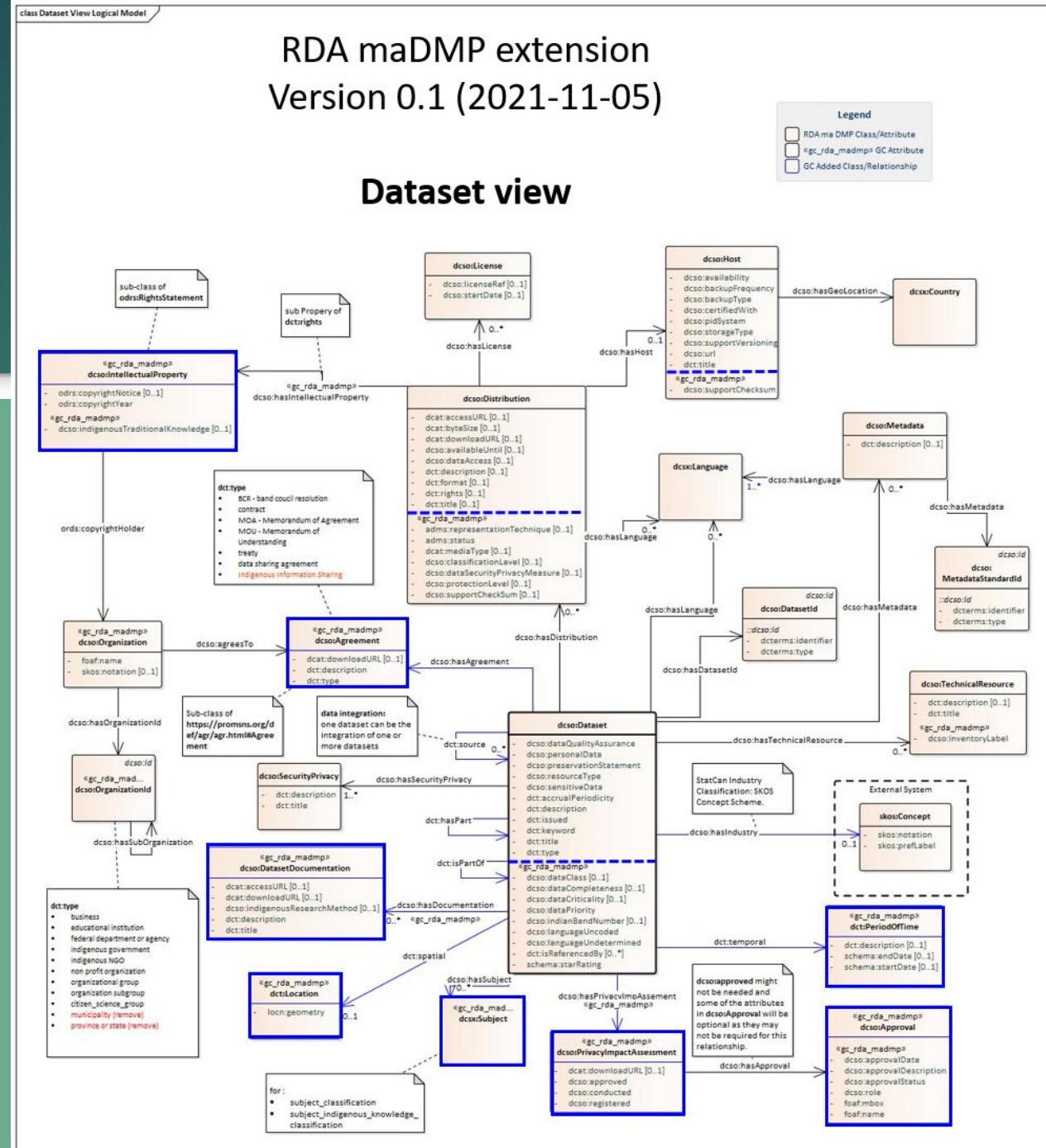
2	Section Description RDA common maDMP standard	Common standard fieldname (click on hyperlinks for descriptions) (see GC_RDA DMP structure, here)	Logical model tracking (done, pending, changed)	Logical model changes	Logical model comments	Example	Data type	GC DMP Requirements
124		dmp/ethical_issues_description	done			There are	string (free-form)	optional
125		dmp/ethical_issues_exist	done		yes ▼	controlled vocab	controlled vocabulary	required
126	6. LEGAL OR ETHICAL ISSUES	dmp/ethical_issues_indigenous_community_approval	done		not ▼	controlled vocab	controlled vocabulary	required IF
127		dmp/ethical_issues_indigenous_community_approval_description	done				string (free-form)	optional
128		dmp/ethical_issues_report	done			http://	URI	optional
129	Indigenous general considerations Other sections may contain information relevant to specific indigenous considerations. These are shown in red font in column B (common standard fieldname). In addition, some controlled vocabularies may contain selections that are specific to Indigenous considerations.	dmp/indigenous_considerations/	done					
130		dmp/indigenous_considerations/control_over_data_description	done				string (free-form)	optional
131		dmp/indigenous_considerations/data_governance_description	done				string (free-form)	optional
132		dmp/indigenous_considerations/description	done			Commu	string (free-form)	optional
133		dmp/indigenous_considerations/exist	done		yes ▼	controlled vocab	controlled vocabulary	required
134		dmp/indigenous_considerations/indigenous_control_over_data	done		unk ▼	controlled vocab	controlled vocabulary	required IF
135		dmp/indigenous_considerations/indigenous_data_governance_exists	done		no ▼	controlled vocab	controlled vocabulary	required IF
136		dmp/dataset/distribution/classification_level	done		top ▼	controlled vocab	controlled vocabulary	required IF



Logical model

Version 0.1 (2021-11-05)

- ▶ DMP view
- ▶ Project view
- ▶ Dataset view



Next steps

- ▶ Complete and validate conceptual and logical models
 - ▶ Sollicite feedback
 - ▶ Make corrections
- ▶ Create ontology
- ▶ Update previous properties and structure documents
- ▶ Collaborate with Data Stewardship Wizard (DSW) to prototype the extension
 - ▶ Web-based tool to implement the RDA maDMP extension
 - ▶ Generate FAIRER, machine-actionable Data Management Plans.

Thank you!

We would love to hear from you.

Please send questions and comments to

claire.austin@mail.mcgill.ca