Montana State University Research Data Census Instrument, Version 1

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Montana State University developed the Research Data Census (RDC) to engage our local research community in an interactive dialogue about their data. The research team was particularly interested in learning more about the following issues at Montana State: the size of research data; the role the local and wide area network play in accessing and sharing resources; data sharing behaviors; interest in existing services that assist with the curation, storage, and publication of scientific data discoveries.

This is the survey instrument for the campus-wide survey, initially distributed in January 2015 at Montana State University in Bozeman, Montana.

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Montana State University Data Census, Version 1

January 2015

Montana State University developed the Research Data Census (RDC) to engage our local research community in an interactive dialogue about their data. The research team was particularly interested in learning more about the following issues at Montana State: the size of research data; the role the local and wide area network play in accessing and sharing resources; data sharing behaviors; interest in existing services that assist with the curation, storage, and publication of scientific data discoveries

Q1 Name:

Q2 Email Address:

Q3 What departments and/or institutes/centers are you affiliated with?

Q4 What is your role in research? (Check all that apply)

- ☐ Student (1)
- ☐ Postdoc (2)
- ☐ Staff (3)
- ☐ Faculty (4)
- ☐ Administrator (5)
- ☐ Other (please specify) (6) _____

Q5 Please describe your scholarly work (e.g., type of research or scholarship, creative projects, teaching, etc.)

Q6 Where do you store your current research data? (Check all that apply)

- ☐ As paper copies or in notebooks (1)
- ☐ On my office computer or a lab computer (2)
- ☐ On an external drive to my computer (3)
- ☐ On an MSU resource (please specify) (4) _____
- ☐ On a cloud service (e.g. Google Drive, Dropbox, etc.) (please specify) (5)

- ☐ Off campus (please specify) (6) _____
- ☐ Other (please specify) (7) _____

Q7 What kind of research data do you generate? (Check all that apply)

- ☐ Spreadsheets (1)
- ☐ Text (2)
- ☐ Audio (3)
- ☐ Video (4)
- ☐ Images (5)
- ☐ GIS (6)
- ☐ Time series (7)
- ☐ Digital feeds from sensors (8)
- ☐ Other (please specify) (9) _____

Q8 Is your research data:

- ☐ Primarily stored on a computer (1)
- ☐ Primarily stored on paper or other physical media (2)
- ☐ Mixture of a and b (3)
- ☐ Other (please specify) (4) _____

Q9 How large is your digital research data?

- ☐ Less than 10 GB (Fits on a USB stick) (1)
- ☐ Between 10 and 100 GB (Fits on my computer's hard drive) (2)
- ☐ Between 100 and 1000 GB (Fits on an external hard drive) (3)
- ☐ More than 1000 GB (1 TB) (4)
- ☐ I'm not sure (5)

Q10 Where do you store data related to your prior research or research experiments? (Check all that apply)

- ☐ As paper copies or in notebooks (1)
- ☐ On my office computer or a lab computer (2)
- ☐ On an external drive to my computer (3)
- ☐ On an MSU resource (please specify) (4) _____
- ☐ On a cloud service (e.g. Google Drive, Dropbox, etc.) (please specify) (5) _____
- ☐ Off campus (please specify) (6) _____
- ☐ Other (please specify) (7) _____

Q11 How large is your digital data from prior research?

- ☐ Less than 10 GB (Fits on a USB stick) (1)
- ☐ Between 10 and 100 GB (Fits on my computer's hard drive) (2)
- ☐ Between 100 and 1000 GB (Fits on an external hard drive) (3)
- ☐ More than 1000 GB (1 TB) (4)
- ☐ I'm not sure (5)

Q12 Do you back up your research data?

- ☐ Yes (1)
- ☐ No (2)

If “No” Is Selected, Then Skip To “If you do not currently backup your data, what are the key barriers?”

Q13 On average, how often do you backup your research data?

- ☐ Daily (1)
- ☐ Weekly (2)
- ☐ Monthly (3)
- ☐ Annually (4)

Q14 What tools do you use to back up your data?

If “What tools do you use to back up your data” Is Displayed, Then Skip To “Do you share your data with colleagues or students?”

Q15 If you do not currently backup your data what are the key barriers?

- ☐ I don't know how to backup my data (1)
- ☐ I don't have the resources to backup my data (2)
- ☐ Other (please specify) (3) _____

Q16 Do you share your data with colleagues or students?

- ☐ Yes (1)
- ☐ No (2)

If “No” Is Selected, Then Skip To “If you don't you share your data with colleagues or students, why not? (Check all that apply)”

Q17 What tools do you use to share your data with colleagues or students?

If “What tools do you use to share your data with colleagues or students?” Is Displayed, Then Skip To “Do you share your data with non-MSU researchers?”

Q18 If you don't you share your data with colleagues or students, why not? (Check all that apply)

- ☐ My research doesn't require it (1)
- ☐ I'm not sure how (2)
- ☐ I don't have resources to share (3)
- ☐ Other (4) _____

Q19 Do you share your data with non-MSU researchers?

- ☐ Yes (1)
- ☐ No (2)

If “No” Is Selected, Then Skip To “Do you download data from other sources or repositories for your research?”

Q20 If you share with non-MSU researchers, where are they located? (University, federal agency, research lab, etc.)

Q21 Do you download data from other sources or repositories for your research?

☐ Yes (1)

☐ No (2)

If "No" Is Selected, Then Skip To "Do you share your data publicly?"

Q22 If you download data from other sources or repositories, where are they located? (Institution, program, repository, etc.)

Q23 Do you share your data publicly?

☐ Yes, immediately (1)

☐ Yes, after grant ends (2)

☐ Yes, after academic publication (3)

☐ No (4)

If "No" Is Selected, Then Skip To "If you don't share your data publicly, why not?"

Q24 Where do you share your data publicly?

If "Where do you share your data publicly?" Is Displayed, Then Skip To "Do you annotate your data?"

Q25 If you don't share your data publicly, why not?

Q26 Would you ever consider sharing data publicly? What factors would influence this decision?

Q27 Do you annotate your data?

☐ Yes (1)

☐ No (2)

If "No" Is Selected, Then Skip To "If you don't annotate your data, why not?"

Q28 What metadata standard do you use to annotate your data?

Q29 What tools do you use to annotate your data?

If "What tools do you use to annotate your data?" Is Displayed, Then Skip To "Would you be interested in learning more about data infrastructure, services, and assistance available from MSU IT Center and Library?"

Q30 If you don't annotate your data, why not?

Q31 Would you be interested in learning more about data infrastructure, services, and assistance available from MSU IT Center and Library?

- ☐ Yes (1)
- ☐ No (2)

If "No" Is Selected, Then Skip To End of Survey

Q32 Please provide us with your contact information:

- ☐ Name (1) _____
- ☐ Email (2) _____
- ☐ Phone number (3) _____