## The value of open data A meta-research(er) perspective

AGU/CHORUS Forum: How open is open data and software? April 19, 2023

Kathleen Gregory University of Vienna Scholarly Communications Lab, University of Ottawa



## Today's talk

Focus data sharing/reuse

Three questions ('provocations') Three responses So what can be done? Provocation 1: Does 'openness' depend on context and demand flexibility? No need to wait for an answer: A resounding yes!

# See for sharing data

Openness depends on community, norms, infrastructures, data, types research, legal requirements... We have to be very careful sharing the raw data, otherwise we can be sued by the lab or by the university...In terms of the clinical data (in Portugal), the situation is different...it is not that formal as in the United States. It is quite frequent to share clinical data with other researchers.

### Why do you not reuse data?



See for reusing data

Re-using data is not relevant for all And challenges exist

Gregory, Ninkov, Ripp, Roblin, Peters, Haustein, 2023

Weighted percentages of respondents to this question (n=466). Items with a significant disciplinary difference in purple. Multiple responses possible.

## So what?

A chance to get creative

Recognize the spectrum of research

- Flexible 'snap-in' policies
- Sharing 'openly' or reusing data are not always relevant or possible

## Provocation 2:

## What is our responsibility around attribution and credit?

## Wait a minute...

Are researchers already 'responsibly' attributing data use?

## Citing data

Majority of data re-users report citing! <u>Variety in practice</u>

### What data objects do you cite or reference?



Weighted percentages of respondents to this question (n=2,026). Significant disciplinary differences marked with asterisk.

Gregory, Ninkov, Ripp, Roblin, Peters, Haustein, 2023

## Motivations

Reasons reflect ideal (responsible?) research practice

### Why do you *cite* data?



Gregory, Ninkov, Ripp, Roblin, Peters, Haustein, 2023

Weighted percentages of respondents to this question (n=2,026). Items with a significant disciplinary difference in purple. Multiple responses possible.

## So what?

Build on existing practices

### Data citation practices

- Encourage standardized data citation
- But meet researchers where they are

Provocation 3: What is the value of data management and data sharing ?

## The value of **Slow (Reflexive) Science** Wait a minute – isn't faster science the goal?

# This takes work.

Detailed, tedious Lots of questions – also an opportunity ZECCOO Search Q

#### Upload Communities

### Meaningful Data Counts research project

#### October 16, 2020 (v.2) Data management plan Open Access

View

#### Research Data Management Plan for the Meaningful Data Counts Project

(b) Ninkov, Anton; (b) Gregory, Kathleen; (b) Ripp, Chantal; (b) Morissette, Erica; (b) Harper, Lina; (b) Peters, Isabella; (b) Tayler, Felicity; (b) Haustein, Stefanie;

This research data management plan (RDMP) describes how data is handled in the Meaningful Data Counts research project. The project is led by PI Stefanie Haustein and Co-PI Isabella Peters and funded by the Alfred P. Sloan Foundation. It uses mixed social sciences research methods, producing quantit

Uploaded on April 20, 2022

1 more version(s) exist for this record

#### January 20, 2023 (v1) Dataset Open Access

#### View

#### A dataset from a survey investigating disciplinary differences in data citation

🍈 Ninkov, Anton Boudreau; 🍈 Ripp, Chantal; 🍈 Gregory, Kathleen; 🍺 Peters, Isabella; 🍈 Haustein, Stefanie;

GENERAL INFORMATION Title of Dataset: A dataset from a survey investigating disciplinary differences in data citation Date of data collection: January to March 2022 Collection instrument: SurveyMonkey Funding: Alfred P. Sloan Foundation SHARING/ACCESS INFORMATION Licenses/restrictions p

### So what?

This is really tricky.

Data management takes time and work.

Existing steps (e.g. DMPs) as a check-in not a checkbox.

## Thank you.

Questions/Discussion?

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## References

Gregory, K., Ninkov, A., Ripp, C., Roblin, E., Peters, I., & Haustein, S. (2023). Tracing data: A survey investigating disciplinary differences in data citation. Zenodo. <u>https://doi.org/10.5281/zenodo.7555266</u>

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