YOU HAVE DATA, WE HAVE QUESTIONS!!

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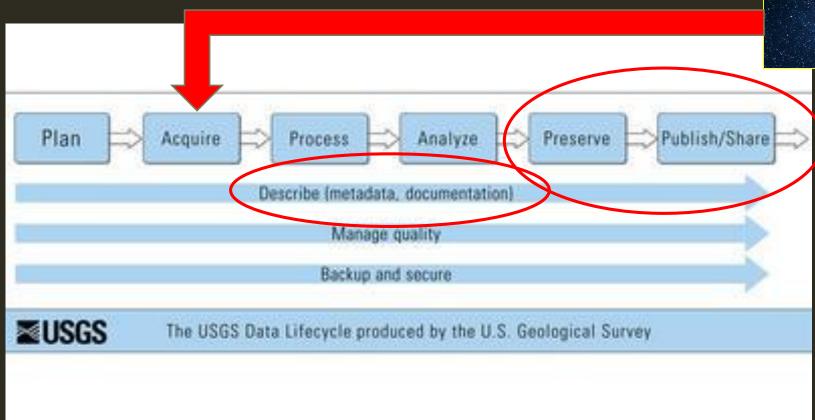


Deep Blue Data is a repository offered by the University of Michigan Library that provides access and preservation services for digital research data that were developed or used in the support of research activities at U-M.

Enter search terms

Deep Blue Data







REPRODUCIBILITY GOALS

With publisher or funder requirements for sharing is there a further requirement for reproducibility or replicability*?

If so, is the dataset complete, are all the scripts, files, and documentation included?

Is the data shared with the intent of reuse?

* Reproducibility: different team, different experimental setup (Plesser, 2018; see ACM terminology)

"Is there a reproducibility crisis?" (Baker, 2016)



REUSE GOALS

Does the data have a life beyond the paper?

--- data deposited directly supports figures – do we need the raw data as well?

Is data reuse important to you/your discipline?

Do you think about other disciplines using your data?

Do institutional repositories play a role here? Or do you prefer, data portals, disciplinary repositories, lab websites managed by other researchers?

"Changes in Data Sharing and Data Reuse Practices and Perceptions among Scientists Worldwide" (Tenopir et al, 2015)



REUSE GOALS

Do you re-use data created by other researchers? What are you looking for in a dataset, what's important?

- Data source (peers or portals)?
- Documentation?

Have you had issues accessing other people's research data and/or with format obsolescence, integrity or something else?



PRESERVATION GOALS

Does all data need to be preserved?

Simulation data – as technologies develop over time is older simulation data redundant? If not, what should we be preserving, the input parameters and model information?

Observational data – in most cases cannot be recollected, what needs to be preserved?

Experimental data – what needs to be preserved?

Is the dataset complete, are all the scripts, files, and documentation included?

"Research Data Preservation" (Currier et al, 2018)



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CONTACT US!

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Deep Blue Data - https://deepblue.lib.umich.edu/data/

https://www.lib.umich.edu/research-data-services

https://www.lib.umich.edu/preservation-andconservation/digital-preservation-unit



References:

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Plesser HE (2018) Reproducibility vs. Replicability: A Brief History of a Confused Terminology. Front. Neuroinform. 11:76. doi: 10.3389/fninf.2017.00076

Tenopir C, Dalton ED, Allard S, Frame M, Pjesivac I, et al. (2015) Changes in Data Sharing and Data Reuse Practices and Perceptions among Scientists Worldwide. PLOS ONE 10(8): e0134826. https://doi.org/10.1371/journal.pone.0134826

