Strengthen your Proposal by Discussing Data Management and Sharing in These Areas

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Guidance from Kris Alpi, Associate Dean of Libraries & Information Sciences

Your new NIH data management and sharing plan doesn't stand alone. Here are five areas where you can strengthen the coherence of your proposal by mentioning data management and sharing.

1. Facilities and Resources

- Ensure that all data sources and data and code storage environments that you will use and discuss in the Data Management and Sharing Plan that are organizationally-provided are mentioned in this section (you can refer back to the description in this section). Be clear if some are core services that charge so that there is no confusion about budgeted items versus what is covered in the indirect.

2. Biographical Sketches

- Personal statement. Highlight any past experience with data curation or data sharing that is demonstrated by the publications you cite to support your personal statement. E.g. "As part of the work cited here, I have deposited curated data, metadata and scripts openly in NAME repositories (if any of the data sets have been cited you can mention that as well). If you haven't yet deposited, but have curated high-quality supplemental data on any publications, you can mention that. E.g. "My experience with and commitment to data sharing and open and reproducible science is shown by the precise preparation of the supplemental data in the publications cited below."

3. Budget Justification *(will be covered in next GCO email)*

- One of the personnel sections (Senior/key personnel or Other personnel) should state who will do the data curation and deposit.
- Other Direct Costs section: If you include Publication Costs and your journals require a data sharing that incurs costs it makes sense to tie it to the following Data Management and Sharing piece which will be its own section.
- The Data Management and Sharing is its own section of the justification even if you are not budgeting anything

4. Research Strategy - Approach

- If you have a sequence of publications described for each aim or activity of the grant, when you mention the publication also indicate the data will be deposited at the time of publication. This is required by most journals.
- You may have generated data or scripts in addition to those that are tied to a publication. If that is the case, those should be deposited for sharing as well by the end of the period of performance.
- If you have a Timeline, add ensuring all data is deposited as the last point.

5. Protection of Human Subjects (if applicable)

- Where the Risks to Human Subjects section discusses confidentiality, anonymity or de-identification of data and the consent, it should include the risks and consent for public deposit of de-identified data, or if that is not possible, of the associated aggregated metadata.