Participant Commitments and Action Items

During the closing session at the 2023 Workshop on Open Data and Reuse in Social Science Weather Research, participants were invited to share an action that they were personally planning to take in response to the substance of the meeting. Then everyone was asked to reflect on a collective commitment that they thought members of the community (social scientists, funders, data repositories–working independently or together) should take. This document summarizes what was shared in writing and verbally during the meeting.

Office of Science and Technology Policy (OSTP) Memo-Related Action Items
Check definitions on data governance, data management, data sharing, data curation, etc. as defined in the OSTP memo.
Brief relative stakeholders that need to respond to the memo on open access.
Note areas of concern in implementing open access and suggest possible ways to overcome them.
Incorporate Data Reuse in Proposals, Grants, and Other Research Documentation
Work on reviewer instructions, guidelines, and norms to normalize publication and reuse of data.
Continue to find ways to ensure that different types and amounts of published data do not adversely influence reviewers' scores.
Craft a funding priority area (special call for proposals) that focuses on reusing data.
Improve reviewer activities.
Encourage current PIs to share their data once their grants end.
Learn more about data curation to see how to curate previously funded project data.
Continue to advocate for the required "results from prior support" to include a description of what funded researchers did to make their data accessible to others.
Expand on a template that is used to respond to annual reports to address data accessibility more explicitly.
Change messaging to reviewers to deal with data sharing.

Follow up with social science participants regarding funding incentive / training materials to publish data in repositories.
Continue to build the training and requirement for researchers to publish their data into research award programs, with financial incentives attached.
Take workshop outcomes/recommendations to inform author report writing guidelines.
Incorporate earlier and continuous data management strategies for documenting context, field notes, work flows, etc., and include these in my data management plans, consent forms, IRBs, and repositories–both for current grants and future proposals.
Improve and Clarify Data Management Plans and Practices
Revisit programs' outreach materials to make it clear that there is not a "one size fits all" mentality about data management plans.
Reread data requirements and develop a Data Management Plan template for the projects we fund.
Advance a data management plan that is contextualized by the specifics of a particular study.
Work with funders to develop data management plans that address data sensitivity issues.
Look at the Data Management clearinghouse.
Advances in Training, Communication, and Information Dissemination
Clearly communicate current data management practices and create guidance documents on how to discuss sensitive data concerns. Develop an outreach plan.
Continue developing resources to make previously funded social science research more accessible to the community.
Discuss challenges from the Workshop with relevant program managers
More broadly, think about how we can continue the conversation and co-create community standards and/or create a short course on social science data publishing and reuse standards.
Work with our divisional researchers on creating "watch me" videos for our datasets.
Share what was learned at the Workshop with lab leadership for broader sharing across the lab.
Prepare guidance and documentation for sensitive data support.
Share the information about the OSTP policies, and the data repository resources.
Take the information about infrastructure possibilities, reuse discussions, and OSTP policies back to collaborators.

Engage our journal editors in conversations about data infrastructures.
Think about how journal boards might participate in discussions and help concretize some recommendations.
Open Data in the Classroom, in Mentorship, and at Universities
Incorporate secondary data and reuse activities into courses.
Improve data sharing mentoring activities.
Build a graduate-level course that explores the themes of the workshop.
Provide briefing and informational sessions for faculty in coordination with data librarians.
Host a campus dialogue on data sharing and the new OSTP memo.
Share and borrow materials for teaching creative and robust (qualitative) data practices (to grad students, in particular).
Use much of this information research lab and/or graduate course on qualitative methods (e.g. repositories, questions raised about reuse, shared resources, data curation, etc.).
Organize a department subcommittee to consider data publication as a component of theses and dissertations.
Populate a list of courses that address data publication in some way and convene instructors of those courses to share out our workshop discussion/recommendations.
Develop a workshop on the benefits/challenges of data sharing and reuse for my students and collaborators.
Include open data reuse as part of my new methods course.
Share this information with my department in faculty meetings and with the committee that is rethinking best practices for training for undergraduate students.
Share what was covered at this workshop with colleagues and students.
Data Repository Actions and Data Sharing
Re-locate Data Usage Agreement so it is more clearly available to users.
Gather vocabulary to tag more properly files and revisit data types vocabularies.
Follow up with others about citation tracking and data migration projects and involving folks in research about searching for data.
Use the different repositories from a search perspective to create a list of meaningful questions

to bring to our repository colleagues.
Get data published on a data repository. Improve data sharing practices.
Think about how data can be made public in an optimal way.
Create a video “watch me first” to go along with the data that is shared.
Add data description guidance and readme-file revision in the documentation.
Learn more about what NOAA Libraries have to offer that’s relevant for data publication and reuse.
“Integration” with other data repositories for easier data discovery for researchers.
Follow up and coordinate with other repositories about sharing metadata, including determining what collections and/or harvesting sets we could create that would be of use for this community.
Ask the development team if/how “View Metrics” reports can be downloadable from the landing page of our data repository.
Emphasize sensitive data sharing concerns and resource needs of social scientists to the data repository community.
Continue to work on ways of advancing understanding of data integration and sharing across demographic, social, geophysical/meteorological, and other data.
Add to our data repository additional context, watch me, and other materials.
Protocols and Open Data in Research
Moving forward, be more intentional about data sharing language in consent documents.
Think carefully about how the qualitative data collected may be securely and ethically shared (if at all. being cognizant of what interviewees consented to).
Develop a method to protect personally identifiable information (PII).
Look for grants that analyze secondary data.
Start a discussion within relevant committees about guidelines for sharing/reusing human subject-based data.
Finalize data collection for my own research and deposit into a data repository.
Work with a data repository to submit at least one dataset.
Prioritize data sharing and training on data sharing in big research projects.

Publish instruments in a data repository and work with IRB to include open data as part of the informed consent for incoming projects.
Think about how to design one research project where I begin with a commitment to open-access data. This will involve exploring how to re-design a consent form, discussing with IRB, understanding what repository may be relevant for me, and establishing a DUA agreement for those that may wish to use my data.
Follow-up Workshop Tasks
Process and help write the Workshop report. o Bring this report to the relevant committees. o Aid in other "outcome" documentation, including surrounding data documentation. o Ensure that the report is shared with the participants at this Workshop for feedback, and then is delivered to relevant agencies.
Continue to participate in meetings to help facilitate co-creation of the outputs from the Workshop.
Share notes on the Workshop sessions. - DONE
Digitize the handwritten notes in the Workshop room (resources, muddy points, and parking lot) and share those with the team. - DONE
Upload photos from the Workshop. - DONE
Brief relevant agencies on the Workshop and its findings.
Build out a website page where the materials from this Workshop will be shared. - DONE
Support archiving of this event, and collaborative analysis of it.

Collective Commitments and Action Items

Social Science Researchers
Showcase of exemplary data publication and reuse cases across disciplines, institution types, etc.
Develop a CONVERGE Training Module and other materials (such as CONVERGE Check Sheets) on data publication with well-done examples.
Develop an FAQs document that can address common questions that researchers may have - perhaps also including definitions for key/common terms.

Develop a YouTube channel, templates, and/or infographics that can support easy understanding of open data and reuse.
Begin to think about resource development that can be published to assist with open data, including guides with best practices, training modules, and resources for students.
Look for opportunities as peer reviewers to evaluate the quality and existence of data citations and references that support papers and publications.
Data Repositories
Increase discoverability of datasets through metadata harvesting and other integrations**.**
Make common efforts to become available as a group to communicate clear/unified repository best practices, policies and definitions including privacy/rights/restrictions/curation/reuse to policy makers so they are incorporated in their next policies.
Make common efforts to involve folks in this community in the design and evaluation of repositories' services.
Federal Agencies and Funders
Agencies developing Data Management and Sharing Policies in response to the OSTP requirements should release a draft policy with a designated comment period. Advertise to researchers (especially leaders in data sharing), data repositories, and institutional Sponsored Programs offices.
Develop short-term and long-term best practices for data management and sharing policies (using input from these communities), such as recommending best practices early and slowly working toward long-term best practices.
Continue to keep all communities (and more; computer scientists, engineers, atmospheric scientists, etc.) involved in listening sessions and user engagement, and incorporating their input to ensure we can effectively integrate physical and social science data down the road.
Provide financial support for data (*management, publication, reuse)* lifecycle as part of the grant process.
Fund a workshop to bring together people who have data they'd like to contribute to reuse applications; help people find one another, compare data, compare practices for publishing (or go through the process of publishing together), identify opportunities to combine datasets (especially across disciplines).
Cultivate a shared culture of data sharing and comfort with the process.
Cross-Community and Cross-Organizational Action
Develop templates and guidance for best practices for data publication, sharing, and reuse.

○ Determine what this looks like for convergent science projects, e.g., to transfer knowledge, to determine language barriers, to determine what data and co-produced data look like, to negotiate intellectual property. Could workshop this through exemplar projects and otherwise, could support a follow-on transdisciplinary workshop.
Develop a community position on the importance of publishing datasets and rewarding the publishing of quality, “important” datasets in the same way we would a first authored publication.
Develop teaching resources for students and the next generation of researchers about the importance and pitfalls of data publication, sharing, and reuse.
Mention data publication and repositories when we give presentations about our work to research audiences, like we would mention publications, funding sources, etc., to raise broader awareness of this and contribute to broader culture shifts.
Take workshop outcomes to publishers and other organizations.