



Workshop on Open Data and Reuse in Social Science Weather Research

Pre-Meeting Preparation

All participants should have read the two required readings as highlighted in the [Workshop Logistics, Overview, and Materials Document](#).

Optional Welcome Reception

Monday, April 10, 2023

5:00-7:00 p.m. MDT

Hotel Boulderado, Mezzanine Lounge
2115 13th Street, Boulder, CO 80302

5:00–7:00 p.m.

Welcome Reception

Appetizers—including vegetarian options—and non-alcoholic beverages will be provided. Alcoholic beverages will be available for purchase.

Workshop Agenda – Day 1

Tuesday, April 11, 2023

8:00 a.m.-4:45 p.m. MDT

Institute of Behavioral Science, Room 155A
University of Colorado Boulder
Boulder, 1440 15th Street, Boulder, CO 80309

7:45 a.m.

Doors to the Institute Unlocked for Access

8:00 a.m.

Tech Check–Virtual Participants Please Log Onto the Zoom:
<https://cuboulder.zoom.us/j/94616990683>

8:00–8:15 a.m.

Light Breakfast and Coffee Provided

8:15–8:30 a.m.

Opening Session: Welcome and Workshop Overview

Objectives for this Session:

- Provide the background, context, and inspiration for the workshop to follow.
- Welcome and orient participants to the Natural Hazards Center, Institute of Behavioral Science, University of Colorado Boulder.
- Review the meeting objectives.
- Acknowledge the planning team.

8:15–8:25 a.m.

NOAA Weather Program Office Opening Remarks, Gina Eosco

8:25-8:30 a.m.

Natural Hazards Center Opening Remarks, Lori Peek

Workshop Objectives:

- **Make Connections** - *Who is in the room and why? How can we deepen connections with one another?*
- **Understand Federal Expectations Concerning Data Publication and Reuse** - *What has changed regarding federal policy requirements and why does it matter to federal agencies that support research, the social science weather research community, data scientists, and data librarians?*
- **Review Progress and Pitfalls in Data Publication and Reuse** - *What progress has already been made? Where are there still gaps and challenges—culturally, institutionally, legally, ethically?*
- **Offer Recommendations** - *Based on the progress as well as ongoing concerns, what are the next actionable steps regarding guidance for social science data publication and reuse? How can the connections made at this Workshop help forward the field of social science data publication and reuse?*

8:30–9:10 a.m.

Participant Introductions and Guidelines

Participant Introductions: We will follow the [participant list](#).

All participants should be prepared to share, in 30 seconds or less, (1) your name and (2) 1-2 sentences regarding what you hope to get out of this workshop.

Participant Guidelines: We will engage in a think-pair-share activity to review this set of [participant guidelines](#) and then modify them as desired!

9:10–10:30 a.m. Session 1: Federal Policy Updates for Data Sharing, Publication, and Reuse

Objectives for this Session:

- Review the primer on the [OPEN Government Data Act](#) and the recently-issued [Office of Science and Technology Policy \(OSTP\) guidance](#), timeline, expectations.
- Clarify current federal policy and practices for data publication and reuse in the social sciences and how the new updates may change current practices.
- Clarify how primary data collection and data reuse are defined and described in current guidance from NOAA and NSF (and other agencies, as relevant).
- Discuss how this workshop can help influence the development of comprehensive, flexible, and ethical social science data publication and reuse practices aligned with federal policy.
- Discuss the benefits (the carrot) and entertain the possible consequences of *not* publishing or sharing data (the stick).

9:15-9:30 a.m. Tony LaVoi, NOAA (virtual presentation)

9:30-9:40 a.m. Gina Eosco, NOAA/WPO

9:40-9:50 a.m. Jeremy Koster, NSF

9:50-10:00 a.m. Bob O'Connor, NSF

10:00-10:30 a.m. *Open Discussion, Questions, and Recommendations Regarding Federal Guidance and Requirements*

10:30–10:45 a.m. Morning Coffee Break Provided

10:45 a.m.–12:05 p.m. Session 2: Advancements in Social Science Instrument and Data Publication Infrastructure

Objectives for this Session:

- Hear from data scientists and data librarians regarding data publication infrastructure for the social sciences and the hazards and disaster research field.
- Learn about the capabilities for publishing data, as well as instruments, reports, research protocols, etc.
- Consider what infrastructure and metadata is, and is not, available to support social science data publication. In particular, understand how repositories classify different social science disciplines, data types, disaster events, etc.

- Understand how repositories are currently designed in terms of helping users to *find* social science and/or weather-related data and helping researchers to *promote* their publications.

10:50–11:02 a.m.	NHERI DesignSafe-CI, Maria Esteva
11:02–11:14 a.m.	ICPSR, Amy Pienta
11:14–11:26 a.m.	Dataverse, Katie Mika
11:26–11:38 a.m.	Qualitative Data Repository, Dessi Kirilova
11:38 a.m.–12:05 p.m.	<i>Open Discussion, Questions, and Recommendations Regarding Data Infrastructure</i>

12:05–12:10 p.m. Group Photograph

12:10–1:15 p.m. Lunch Provided

1:15–2:30 p.m. Session 3: Advancements in Training and Mentoring for Data Publication

Objectives for this Session:

1. Hear about initiatives to inform the social science research communities of changing federal policy guidance.
2. Learn about advances in data curation education and metadata practices and standards.
3. Learn about programs designed to help capacitate researchers to learn to publish their data and instruments.
4. Consider what training is—and is not—currently available to support social science data publication.
5. Understand cultural shifts already underway in this space.

1:20–1:30 p.m. Data Listening Sessions—Lessons Learned for the Social Sciences, Melissa Cantrell, University of Colorado Boulder Libraries

1:30–1:40 p.m. Advances in Data Curation Education, Matt Mayernik, National Center for Atmospheric Research

1:40–1:50 p.m. CONVERGE Data Ambassadors and the Weather Ready Research Award Program, Lori Peek and Jennifer Tobin, Natural Hazards Center

- 1:50-2:00 p.m. Platform for Experimental, Collaborative Ethnography (PECE), Kim Fortun, University of California Irvine
- 2:00-2:10 p.m. Other Initiatives from DesignSafe, ICPSR, Dataverse, or the Qualitative Data Repository
- 2:10–2:30 p.m. *Open Discussion, Questions, and **Recommendations** Regarding Training and Mentoring*
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2:30–2:45 p.m. Afternoon Break

2:45–4:30 p.m. Session 4: The Elephant in the Room - Challenges to Publishing and Reusing Social Science Instruments and Data

Objectives for this Session:

1. Learn from social scientists with experience publishing instruments and data and hear their concerns.
2. Address the legal, ethical, logistical, and methodological barriers that exist to publication of multiple data types and formats in the social and behavioral sciences.
3. Understand issues related to data sharing and reuse.

Session Description:

During this session, each of the social scientists in the room will have **2 minutes to share a story, example, or key concern** regarding a challenge they have faced in publishing instruments or data or in terms of data sharing and reuse. Each presenter will show one slide to capture the issue they want to bring into the room.

2:50–4:00 p.m. Examples from Social Science Researchers Regarding Major Challenges with Data Publication and Reuse

[Shared Slide Deck](#)

Lauren Clay, University of Maryland-Baltimore County
Jen Henderson, Texas Tech University
Julie Demuth, National Center for Atmospheric Research
Austin Becker, University of Rhode Island
Jennifer Tobin, University of Colorado Boulder
Mary Angelica Painter, University of Colorado Boulder
Kim Forun, University of California Irvine
David Hondula, Arizona State University and City of Phoenix, Arizona
Ann Bostrom, University of Washington

Rebecca Morss, National Center for Atmospheric Research
Lori Peek, University of Colorado Boulder
Anaís Delilah Roque, The Ohio State University
Nathanael Rosenheim, Texas A&M University
Sameer H. Shah, University of Washington
Joe Ripbeger, University of Oklahoma

4:00–4:30 p.m. *Open Discussion, Additional Challenges, [Summary of Major Challenges](#) Regarding Data Publication and Reuse*

4:30–4:45 p.m. **Gratitude, Review Action Items from Day 1 and Goals for Day 2, and Wrap-Up**

Workshop Agenda – Day 2
Wednesday, April 12, 2023
8:00 a.m.-3:00 p.m. MDT
Institute of Behavioral Science, Room 155A
University of Colorado Boulder
Boulder, 1440 15th Street, Boulder, CO 80309

7:45 a.m. **Doors to the Institute Unlocked for Access**

8:00 a.m. **Tech Check–Virtual Participants Please Log Onto the Zoom:**
<https://cuboulder.zoom.us/j/94616990683>

8:00–8:15 a.m. **Light Breakfast and Coffee Provided**

8:15–8:45 a.m. **Welcome and Check-In**

Objectives for this Session:

1. Check in with all participants about how they are feeling after Day 1.
2. Re-review meeting objectives.

Each participant will have 30 seconds to share either an “ah-ha!” moment from Day 1 or a “muddy point” that they hope will be further clarified during Day 2.

8:45–10:15 a.m.

Session 5: Overcoming Challenges to Instrument and Data Publication in the Social Sciences

Objectives for this Session:

1. Recap instrument and data publication-related challenges and concerns described during Day 1.
2. Work together in breakout groups, by sector, to identify and discuss specific **strategies** for overcoming challenges to instrument and data publication in the social sciences.

8:45–9:00 a.m.

Recap of Challenges Identified - *Any additions?*

Jonathan Mote, NOAA-WPO

Cassandra Shivers-Williams, NOAA-WPO

First and second columns of the sheet to be populated throughout Day 1:

https://docs.google.com/document/d/1CM1HgOg7NoFCFjslZm9yRwlPVpkCOI_AbKlpGuaZMOs/edit?usp=sharing

9:00–9:30 a.m.

Breakout Groups by Sector w/ Handout for Guidance

9:30–10:15 a.m.

Report Back on **Recommendations** for Instrument and Data Publication

10:15–10:30 a.m.

Coffee Break Provided

10:30 a.m.–Noon
Social

Session 6: Overcoming Challenges to Data Sharing and Reuse in the Social Sciences

Objectives for this Session:

1. Recap data sharing and reuse-related challenges and concerns described during Day 1.
2. Work together in breakout groups, mixed by sector, to identify and discuss specific **strategies** for overcoming challenges to data sharing and reuse in the social sciences.

10:30–10:45 a.m.

Recap of Challenges Identified - *Any additions?*

Victor Marchezini, Natural Hazards Center

Mary Angelica Painter, Natural Hazards Center

First and second columns of the sheet to be populated throughout Day 1:

https://docs.google.com/document/d/1CM1HgOg7NoFCFjslZm9yRwlPVpkCQI_AbKlpGuaZMOs/edit?usp=sharing

10:45–11:15 a.m. Breakout Groups Mixed by Sector w/ Handout for Guidance

11:15 a.m.–Noon Report Back on **Recommendations** for Data Sharing and Reuse

Noon–1:00 p.m. Lunch Provided

1:00–2:30 p.m. Session 7: Reviewing and Refining Recommendations

This closing session will allow participants the opportunity to review the recommendations that have been produced during the workshop and to prioritize the key insights and takeaway messages.

2:30–3:00 p.m. Next Actionable Steps

Objectives for this Session:

1. Revisit desired outcomes for this meeting.
 2. Identify next actionable steps for keeping the momentum going.
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3:00 p.m. Gratitude and Adjourn