

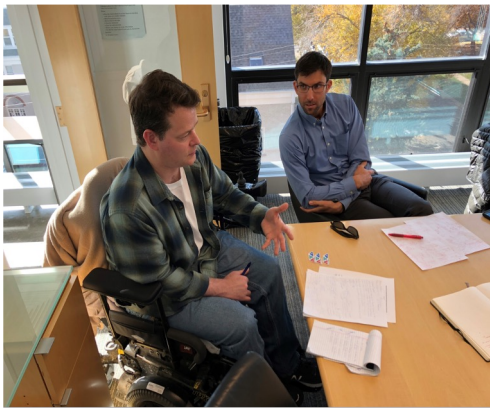
CONVERGE Data Ambassadors and the Weather Ready Research Award Program



Lori Peek and Jennifer Tobin
Natural Hazards Center
University of Colorado Boulder



2018-2020:
Co-developed and extensively pilot tested the first social science and interdisciplinary data model for hazards and disaster research





Creating a Culture Shift:

How can we support and incentivize the social science hazards and disaster research community to publish their protocols, instruments, and data?



CONVERGE | Natural Hazards Center

INSTITUTE OF BEHAVIORAL SCIENCE

converge.colorado.edu/data/

[About CONVERGE](#) ■ [Research Networks](#) ■ [Resources](#) ■ [Data](#) ■ [Communications](#) ■



Publish Your Data! Events

Learn more about the Publish Your Data! training sessions for social and behavioral scientists. These events are organized to inform members of the natural hazards research community about possibilities for publishing data, research instruments, protocols, and other materials.

[Overview](#)

[Event Videos and Documents](#)



Data Ambassadors

CONVERGE Data Ambassadors have completed a Publish Your Data! training session and have published their own data or instruments on DesignSafe. They also share their newly attained knowledge with colleagues in the hazards and disaster field. CONVERGE Data Ambassadors are helping to usher in a culture shift toward data publication and data and instrument sharing across disciplines.

[Meet Our Ambassadors](#)

CONVERGE Data Ambassador Checklist



Prepare protocols, instruments, data for curation



Attend a 3-hour virtual Publish Your Data! training session



Meet w/ Dr. Maria Esteva DesignSafe



Publish a project on DesignSafe



Share your work (citations, social media, present, etc.)



\$750 Incentive



CONVERGE Data Ambassador Checklist

Name: Nathanael Rosenheim

Title and Affiliation: Associate Research Scientist, Texas A&M University

Activity	Date Completed
Read this webpage that details the partnership between the NSF-funded DesignSafe, CONVERGE, and RAPID facilities: https://converge.colorado.edu/data/data-publication .	2020-11-16
Read this webpage on preparing a Data Management Plan: https://converge.colorado.edu/data/data-management . This page includes several tips and insights that will help you to prepare your data for publication.	2020-11-16
Complete the data template in advance of the Publish Your Data! event.	2020-08-24
Prepare your own data, data collection protocols/reports, and/or research instruments and ensure they are ready for curation during or following the event. These materials will help ensure a comprehensive data publication that can be used and analyzed by future researchers or research teams. <ul style="list-style-type: none"> If your data involves human subjects, you must provide documentation of your institution's IRB approval. All human subjects data should be properly de-identified based on ethical best practices, institutional requirements, and any other commitments to participants. 	2020-06-18
Carefully review the DesignSafe data curation guidelines (click on the Field Research tab) (https://www.designsafe-ci.org/rw/user-guides/data-curation-publication/), RAPID website (https://rapid.designsafe-ci.org/), and CONVERGE website (https://converge.colorado.edu) before the meeting so you can familiarize yourself with the research teams, missions, and resources available from these NSF-supported facilities.	2020-11-16

CONVERGE—NSF Award #1841338 | RAPID—NSF Award #1611820 | DesignSafe—NSF Award #1520817



CONVERGE Data Ambassadors

CONVERGE Data Ambassadors have completed a National Science Foundation-supported [Publish Your Data](#) project. As Ambassadors, they have committed to publishing their own data and instruments on [DesignSafe](#), to learn about [RAPID](#) facilities and their resources, and to sharing their newly attained knowledge with other social and behavioral scientists and colleagues from other allied disciplines in the hazards and disaster field. CONVERGE Data Ambassadors will continue to publish data and instrument sharing across disciplines.

The following page includes a list of instruments, reports, protocols, and other research materials published by Ambassadors via the DesignSafe Cyberinfrastructure.



Lauren Clay
Associate Professor, Health Administration and Public Health
D'Youville College

Research Instrument Repository:

Clay, L. (2020). "COVID-19 and Social Determinants of Health Data Collection Instrument Repository." DesignSafe-Cl. <https://doi.org/10.17603/ds2-nay0-1518>

Research Brief:

Clay, L., S. Penta, and A. Silver. (2020). "Risk Perception, Information Seeking, and Protective Actions During (May-July 2020)," in A Multi-Wave Study of Risk Perception, Information Seeking, and Protective Action in COVID-19. DesignSafe-Cl. <https://doi.org/10.17603/ds2-7019-cs31>

Data Report:

Clay, L. S. Rogus, and P. Gadhoke. (2020). "Primary and Secondary Health Impacts of the COVID-19 Pandemic (March 2020)," in National Food Access and COVID Research Team (NFACT) - New York. DesignSafe-Cl. <https://doi.org/10.17603/ds2-7019-cs31>



Alex Greer
Associate Professor, College of Emergency Preparedness, Homeland Security, and Disaster Management
University at Albany

Research Instruments and Data:

Greer, A., T. Wu, H. Murphy, and R. Chang. (2020). "Survey of Students and Households and Interviews with Households in Oklahoma." DesignSafe-Cl. <https://doi.org/10.17603/ds2-dn0z-0111>



Betty Lai
Buehler Sesquicentennial Assistant Professor, Department of Counseling, Developmental Psychology
Boston College

Interview Protocol:

Hoskova, B.J., Medzhitova, C., Colgan, B., Liang, and B. Lai. (2020). "Time 1 Interview Protocol on Colleges and Universities during the COVID-19 Crisis." DesignSafe-Cl. <https://doi.org/10.17603/ds2-erzs-1690>



Lori Peek
Professor, Department of Sociology and Director, Natural Hazards Center
Principal Investigator, CONVERGE, SSEER, and ISEER
University of Colorado Boulder

Dataset:

Peek, L., E. Hines, M. Mathews, J. Gunderson, and H. Wu. (2020). "Global Academic Hazards and Disaster Resilience Dataset." DesignSafe-Cl. <https://doi.org/10.17603/e9wq-qz57>

Research Instruments:

Peacock, W., N. Rosenheim, D. Gu, S. Van Zandt, L. Peek, M. Dillard, J. Tobin, and S. Hamideh. (2020). "Household Survey Instrument, January 19, 2018: Wave 1," in A Longitudinal Community Resilience Focused Technical Investigation of the Lumberton, North Carolina Flood of 2016. DesignSafe-Cl. <https://doi.org/10.17603/ds2-pmt9-1s33>

Sutley, E., M. Dillard, S. Hamideh, W. Peacock, J. Tobin, L. Peek, K. Seong, A. Barbosa, T. Tomiczek, J. van de Lindt, and M. Koliou. (2020). "Household Survey Instrument, January 19, 2018: Wave 2," in A Longitudinal Community Resilience Focused Technical Investigation of the Lumberton, North Carolina Flood of 2016. DesignSafe-Cl. <https://doi.org/10.17603/ds2-db3h-gy28>

Scoping Literature Review:

Wu, H., L. Peek, M. Mathews, and N. Mattson. (2020). "A Scoping Literature Review: Cultural Competence for Disaster Preparedness." DesignSafe-Cl. <https://doi.org/10.17603/ds2-9vz8-7r76>

- ✓ 32 Trainees
- ✓ 11 Ambassadors
- ✓ DesignSafe Publications:
 - ✓ IRB Protocols
 - ✓ Scoping Literature Reviews
 - ✓ Datasets
 - ✓ Qualitative (focus group, interview guides) and Quantitative (survey) Instruments
 - ✓ Research Briefs and Reports

converge.colorado.edu/data/data-ambassadors/



Nathanael Rosenheim
Associate Research Scientist and Director of Research, Hazard Reduction and Mitigation
Texas A&M University

Research Instruments:

Peacock, W., N. Rosenheim, D. Gu, S. Van Zandt, L. Peek, M. Dillard, J. Tobin, and S. Hamideh. (2020). "Household Survey Instrument, November 26, 2016: Wave 1," in A Longitudinal Community Resilience Focused Technical Investigation of the Lumberton, North Carolina Flood of 2016. DesignSafe-Cl. <https://doi.org/10.17603/ds2-pmt9-1s33>

Rosenheim, N., W. Peacock, M. Perez, and G. Lane. (2020). "Food Retail Survey Instrument," in Food and Nutrition Security in Harris County, Texas after Hurricane Harvey. DesignSafe-Cl. <https://doi.org/10.17603/ds2-aqz8-1s33>

Toolkit:

Rosenheim, N., M. Stanley, C. Goodman, A. Berd, S. Hayes, E. Millard, J. Korukonda, and M. Watson. (2020). "DesignSafe-Cl. Toolkit." DesignSafe-Cl. <https://doi.org/10.17603/ds2-3fn5-4b44>



Gavin Smith
Professor, Department of Landscape Architecture and Environmental Planning
North Carolina State University

Research Instrument

Smith, C., O. Vila, and G. Caverly. (2020). "A National Evaluation of State Roles in Hazard Mitigation: Building on FEMA Hazard Mitigation Assistance Grants." DesignSafe-Cl. <https://doi.org/10.17603/ds2-sjlv-eg87>



Maria Watson
Research Assistant Professor, Department of Landscape Architecture and Environmental Planning
Texas A&M University

Research Instruments

Sutley, E., M. Dillard, S. Hamideh, W. Peacock, J. Tobin, L. Peek, K. Seong, A. Barbosa, T. Tomiczek, J. van de Lindt, and M. Koliou. (2020). "Household Survey Instrument, January 19, 2018: Wave 2," in A Longitudinal Community Resilience Focused Technical Investigation of the Lumberton, North Carolina Flood of 2016. DesignSafe-Cl. <https://doi.org/10.17603/ds2-db3h-gy28>

Xiao, Y., M. Watson, J. Helgeson, K. Farokhnia, J. van de Lindt, J. Mitrani-Reiser, E. Sutley, D. Deniz, T. Tomiczek, and M. Koliou. (2020). "Business Survey Instrument, January 19, 2018: Wave 2," in A Longitudinal Community Resilience Focused Technical Investigation of the Lumberton, North Carolina Flood of 2016. DesignSafe-Cl. <https://doi.org/10.17603/ds2-db3h-gy28>



Haorui Wu
Assistant Professor, School of Social Work
Dalhousie University

Dataset:

Peek, L., E. Hines, M. Mathews, J. Gunderson, and H. Wu. (2020). "Global Academic Hazards and Disaster Resilience Dataset." DesignSafe-Cl. <https://doi.org/10.17603/e9wq-qz57>

Scoping Literature Review:

Wu, H., L. Peek, M. Mathews, and N. Mattson. (2020). "A Scoping Literature Review: Cultural Competence for Disaster Preparedness." DesignSafe-Cl. <https://doi.org/10.17603/ds2-9vz8-7r76>



H. Tristan Wu
Associate Professor, Department of Emergency Management and Disaster Preparedness
University of North Texas

Research Instrument:

Wu, T., S. Huang, and M. Lindt. (2020). "Business Survey Instrument, January 19, 2018: Wave 2," in A Longitudinal Community Resilience Focused Technical Investigation of the Lumberton, North Carolina Flood of 2016. DesignSafe-Cl. <https://doi.org/10.17603/ds2-db3h-gy28>



Weather Ready Research Award Program

Call 1: Weather Ready Research

Call 2: Instrument and Data Publication

Call 3: Tornado Ready Research

Call 4: Wildfire Ready Research

Home

Special Calls ▾

Awards ▾

Reports ▾

Webinars ▾

Research Resources ▾

The Natural Hazards Center—with support from the National Oceanic and Atmospheric Administration (NOAA) and the National Science Foundation—has issued four special calls for [**Weather Ready Research**](#).

- \$2,500 to \$7,500 each
- 27 Projects
- 105 Researchers
- \$106,536 Awarded



Special Call for Weather Ready Research Instrument and Data Publication

- June 2021
- \$1,250 to \$2,500 Awards
- Supported the publication of **social science** and **multidisciplinary data**, data collection **instruments**, and **research protocols** for natural hazards and disaster research.
- Priority was given to data and materials focused on **weather related research**, including floods, hurricanes, extreme temperatures, wildfire, and more.

Weather Ready Research Instrument and Data Publication
June 30, 2021



Next Steps for the Weather Ready Award Program Recipients and Upcoming Deadlines:

1. Prepare your own data, data collection protocol/report, and/or research instrument and ensure relevant material(s) are ready for curation.
2. Work with Dr. Maria Esteva to publish your project, data, and/or data collection instrument or protocol. You can sign up for an appointment at: <https://signup.com/go/MkHJzWd>.
3. Upon publication of your work, please add the full citation and DOI to the Award Checklist and submit to the Natural Hazards Center no later than: **October 8, 2021** at: haz.research.awards@colorado.edu.



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Publications



- Publications Included:
 - Data Collection Instruments
 - Research Protocols
 - Twitter Data
 - Flood Risk LiDAR Data
 - Wind and Water Hazards
 - Extreme Heat and Power Outages
 - Environmental and Social Psychology
 - Perceptions of Tornado-Resistant Building Design
 - Household Impacts and Recovery
 - Housing Buyout Programs
 - Wildfire Evacuation
 - Law Enforcement First Responder Experiences
- 15 Projects Funded
- 27 Datasets, Instruments, or Protocols Published on [DesignSafe](#)
- Project Descriptions and DOI's can be found here:
hazards.colorado.edu/research/weather-ready/instrument-and-data-publication





Thank you!