



**NATURAL  
HAZARDS  
CENTER**



*We envision a just and equitable world where knowledge is applied to ensure that humans live in harmony with nature.*

# Welcome to the **CONVERGE Webinar Series**

**Publish Your Data!**  
**Learn How to Use DesignSafe and Meet the  
CONVERGE Data Ambassadors**

January 29, 2021  
1:00 to 1:30 p.m. MT



University of Colorado **Boulder**

NSF Award #1841338



NHERI 



# Objectives

- Share information about new DesignSafe capabilities for natural hazards research
- Understand why publishing and sharing data and instruments is important
- Learn from researchers who have already published data and/or instruments

Please type questions or comments using the chat or Q&A box in Zoom!

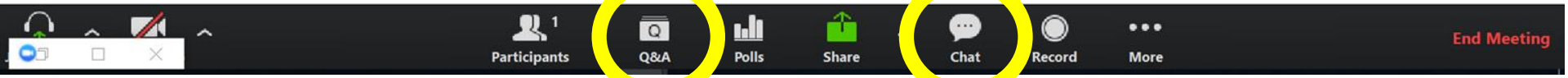
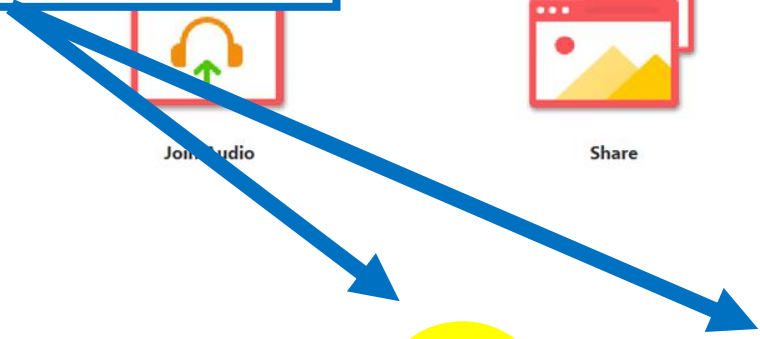
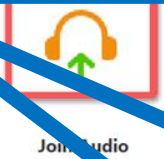
Question and Answer

Open Answered Dismissed



No open questions

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# Publish Your Data!

## Learn How to Use DesignSafe and Meet the CONVERGE Data Ambassadors

### Presenters:



Ellen Rathje  
University of Texas at Austin



Lauren Clay  
D'Youville College



Nathanael Rosenheim  
Texas A&M University

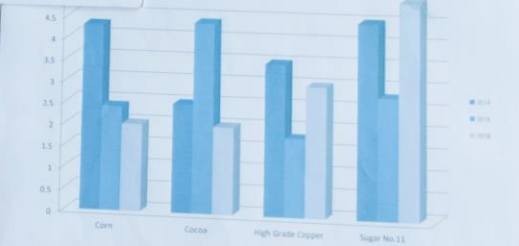


Lori Peek  
University of Colorado Boulder



Betty Lai  
Boston College





The clipboard contains a document with the following sections:

- Introduction:** A paragraph of text.
- Methodology:** A section describing the research approach.
- Model Structure:** A section detailing the components of the model.
- Model Parameters:** A section listing various parameters and their values.
- Model Results:** A section presenting the findings of the model.

“For the past three decades, leaders of the scientific community have called for sharing access to scientific data... The main rationales for data sharing [include]:

- *To reproduce or to verify research*
- *To make the results of publicly funded research available to the public*
- *To enable others to ask new questions of extant data*
- *To advance the state of research and innovation*

Increasingly, funding agencies around the world are requiring investigators to share data created with public support.”

**-Source:** [Public Access to NSF-Funded Research Data for the Social, Behavioral, and Economic Sciences](#)



# A Two-Year Journey....



L-R: Maria, Tim, and Craig put the social science and interdisciplinary "data modelers" to work! **October 2018**



The DesignSafe team interviews ~80 social science, urban planning, public health and medicine, and engineering researchers at the Natural Hazards Workshop. **July 2019**



"The Call" - **June 2018**



CONVERGE and DesignSafe partnership formally established in **August 2018**



DesignSafe releases the field research data model for social science and interdisciplinary teams in **May 2020**



[Data](#) > [Publish Your Data](#)

## CONVERGE Publish Your Data! Events

CONVERGE has partnered with the Natural Hazards Engineering Research Infrastructure DesignSafe and RAPID facilities to host a series of Publish Your Data! events for social and behavioral scientists. These events are organized to inform members of the natural hazards research community about possibilities for publishing data, instruments, protocols, and other materials.



OVERVIEW



BACKGROUND



EVENT VIDEOS AND DOCUMENTS



ORGANIZING COMMITTEE



## CONVERGE Data Ambassadors

CONVERGE Data Ambassadors have completed a National Science Foundation-supported [Publish Your Data!](#) training session. As Data Ambassadors, they have committed to publishing their own data and instruments on [DesignSafe](#), to learning about the [CONVERGE](#) and [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 help usher in a culture shift toward data publication and data and instrument sharing across disciplines.

The following page includes a list of instruments, reports, protocols, and other research materials published by the CONVERGE Data 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-CI. <https://doi.org/10.17603/ds2-npy0-1518>

#### Research Brief:

Clay, L. S. Penta, and A. Silver. (2020). "Risk Perception, Information Seeking, and Protective Actions During COVID-19 Among New Yorkers (May-July 2020)." in A Multi-Wave Study of Risk Perception, Information Seeking, and Protective Action in COVID-19. DesignSafe-CI. <https://doi.org/10.17603/ds2-7019-cs13>

#### Data Report:

Clay, L. S. Rogus, and P. Gadhoke. (2020). "Primary and Secondary Health Impacts of the COVID-19 Pandemic on New Yorkers (May-June 2020)." in National Food Access and COVID Research Team (NFACT) - New York. DesignSafe-CI. <https://doi.org/10.17603/ds2-xe7x-x540>



**Alex Greer**  
Associate Professor, College of Emergency Preparedness, Homeland Security, and Cybersecurity  
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 Key Stakeholders in Oklahoma," in Earthquake Adjustment in Oklahoma. DesignSafe-CI. <https://doi.org/10.17603/ds2-dn0z-0111>



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

#### Interview Protocol:

Hoskova, B. J., Medzhitova, C., Colgan, B., Liang, and B. Lai. (2020). "Time 1 Interview Protocol on Colleges and COVID-19," in Colleges and the COVID-19 Crisis. DesignSafe-CI. <https://doi.org/10.17603/ds2-erz5-1690>



**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 Research Centers Data." DesignSafe-CI. <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, November 26, 2016, Wave 1." in A Longitudinal Community Resilience Focused Technical Investigation of the Lumberton, North Carolina Flood of 2016. DesignSafe-CI. <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 D. Gu. (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-CI. <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 Hazards and Disaster Research." DesignSafe-CI. <https://doi.org/10.17603/ds2-9vz8-7r76>



**Nathanael Rosenheim**  
Associate Research Scientist and Director of Research, Hazard Reduction & Recovery Center  
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-CI. <https://doi.org/10.17603/ds2-pmt9-1s33>

Rosenheim, N., W. Peacock, M. Perez, and G. Lane. (2020). "Food Retail Survey Instrument," in Food Access Impact Survey for Southeast Texas and Harris County, Texas after Hurricane Harvey. DesignSafe-CI. <https://doi.org/10.17603/ds2-ao2k-dy92>

#### Toolkit:

Rosenheim, N., M. Stanley, C. Goodman, A. Berd, S. Hayes, E. Millard, J. Korukonda, and M. Watson. (2020). "Systematic Literature Review Toolkit." DesignSafe-CI. <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 Local Capacity to Implement FEMA Hazard Mitigation Assistance Grants." DesignSafe-CI. <https://doi.org/10.17603/ds2-sjby-eg87>



**Maria Watson**  
Research Assistant Professor, Department of Landscape Architecture and Urban 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 D. Gu. (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-CI. <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, A. Barbosa, J. Fung, O. Nofal, 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-CI. <https://doi.org/10.17603/ds2-19kt-1m93>



**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 Research Centers Data." DesignSafe-CI. <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 Hazards and Disaster Research." DesignSafe-CI. <https://doi.org/10.17603/ds2-9vz8-7r76>



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

#### Research Instrument:

Wu, T., S. Huang, and M. Lindell. (2020). "Household Mail Survey." in 2011 New Zealand and Japan Earthquake Household Response Survey. DesignSafe-CI. <https://doi.org/10.17603/ds2-st68-6b42>



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This webinar will be posted at:  
[converge.colorado.edu/communications](https://converge.colorado.edu/communications)

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