

2019 NSF WORKSHOP

Connecting Large Facilities and Cyberinfrastructure

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The Natural Hazards Center

Mission: We are the National Science Foundation-designated information clearinghouse for the societal dimensions of hazards and disasters. We are dedicated to reducing disaster harm through:

- 1. translating and sharing hazards and disaster research and information;
- building connections between researchers, non-profit and private sector professionals, the media, policy makers, and local, state, and federal officials;
- 3. advancing social science and interdisciplinary knowledge, with a special emphasis on the most vulnerable populations and places; and
- 4. training and mentoring the diverse next generation of hazards and disaster professionals.





CONVERGE

CONVERGE is a new National Science Foundation-Natural Hazards Engineering Research Infrastructure (NSF-NHERI) facility dedicated to:

- identifying and coordinating researchers and research teams;
- advancing hazards and disaster research;
- encouraging the publication of data and data collection instruments and protocols (DesignSafe Cyberinfrastructure + CONVERGE).
- supporting and accelerating training and mentoring;
- **funding** virtual reconnaissance, field research, and the development of novel research instruments and data collection protocols;
- accelerating the development of mobile applications for social science data collection (NHERI RAPID);





Workforce Development:

NSF Enabling Program
 https://hazards.colorado.edu/resources/nsf-enabling-program

 Nested mentoring among postdoctoral research associates, graduate research assistants, and

undergraduate interns

 NHC's Annual Workshop and Researcher's Meeting







Workforce Development:

- The Bill Anderson Fund Fellows
 http://billandersonfund.org/baf-fellows/
- NSF INCLUDES—Minority SURGE Capacity in Disasters https://www.surgedisasters.com/

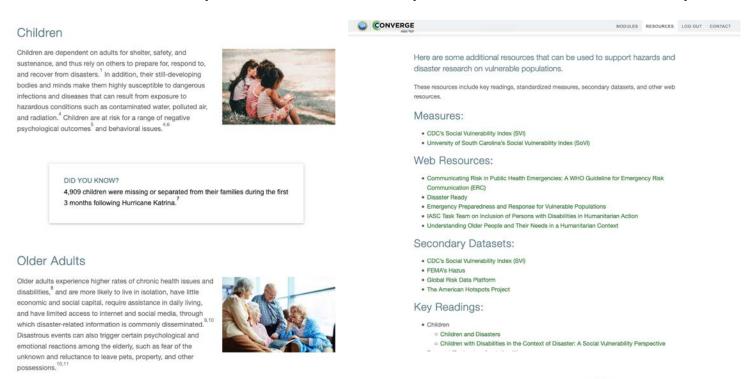






CONVERGE Training Modules

- Free, online courses designed to accelerate the training of diverse hazards and disaster researchers, including students and early career researchers
- 30-60 minutes to complete and includes quiz and certificate of completion





Cyberinfrastructure for Hazards and Disaster Data Publication



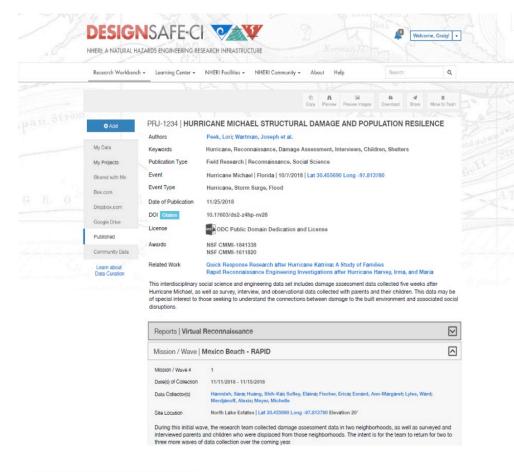








Social Science and Interdisciplinary Data Model



- Planning Documents and Research Protocols
- Interview Guides, Questionnaires
- Audio Recordings
- Photos
- Data







Thank you!

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