

NHERI Council Monthly Meeting No. 9, Y-7
March 2, 2023 11:30 – 12:30 PM Eastern (8:30 to 9:30 AM Pacific)

NHERI Council Meetings

Title: NHERI Council - Spring 2023

Location: <https://DesignSafe-ci.zoom.us/j/91646011369>

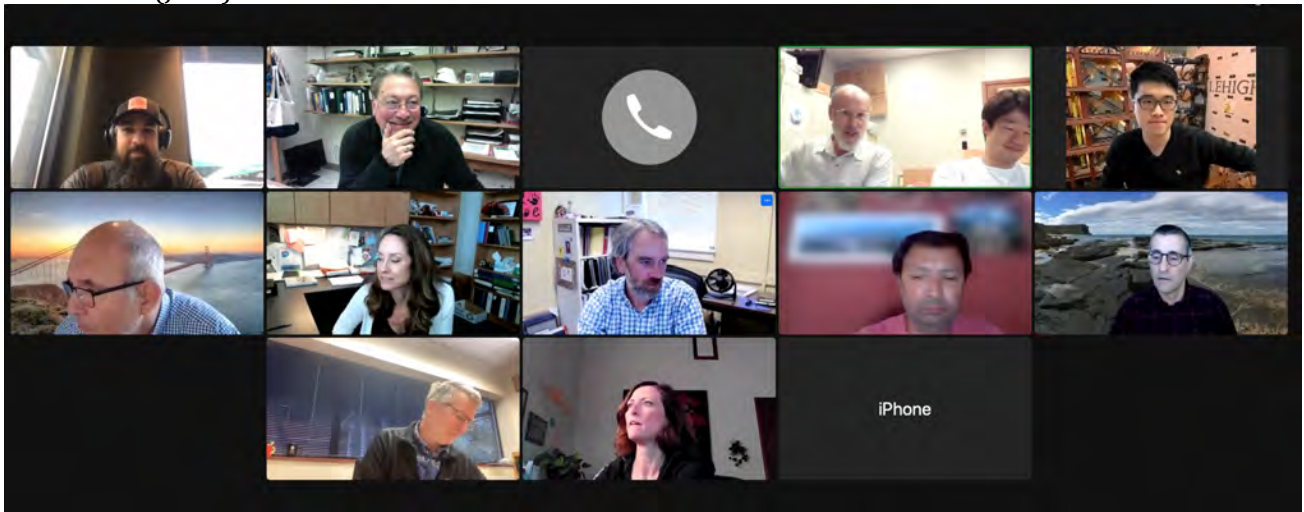
When: March 2th, 11:30 AM to 12:30 PM Eastern

Attending:

- Oregon State University: Dan Cox (EF Dir.) and Pedro Lomonaco (Fac. Dir.) Hinsdale
- University of California, Berkeley: Matt DeJong (Co-Dir.), and Matt Schoettler (Assoc. Dir. – Ops), Stanford University: Greg Deierlein (Co-Dir), SimCenter
- University of California, Davis: Ross Boulanger (EF Dir) and Dan Wilson (Assoc. Dir.) CGM
- University of California, San Diego: Joel Conte (EF Dir.,) LHPOST
- University of Colorado Boulder: Lori Peek (Dir., CONVERGE)
- University of Florida: Jennifer Bridge (EF Dir. and Council Chair) Powell Lab
- University of Texas at Austin: Ellen Rathje (CI Dir.) and Tim Cockerill (Dep. Proj. Dir.) DesignSafe-CI)
- University of Texas at Austin: Ken Stokoe (EF Dir.), Tricia Clayton (CoPi), and Sungmoon Hwang (syongmoon@utexas.edu) (Operations Manager) Texas Mobile Equipment Facility
- University of Washington: Jeff Berman (CoPI and Fac. Manager) RAPID
- National Science Foundation: Joy Pauschke (Prog. Dir, NHERI)
- Purdue University: Julio Ramirez (NCO Dir., Council Secretary), JoAnn Browning (NCO ECO Leader), and Dan Zehner (NCO Sch./Ops. Coord.)
- Florida International University: Arindam Chowdhury (EF Dir.), Ioannis Sizis (CoPI) and Steve Diaz (Site Operations Manager) WOW
- Lehigh University: Jim Ricles (EF Dir.), Liang Cao (lic418@lehigh.edu) and Chad Kusko (Facility Manager), ATLSS
- Guests:

Minutes

1. Attendance (Julio)



Phones: Matt DeJong (Co-Dir.), and Matt Schoettler

2. (2 min) Review and Approval of Minutes (previously distributed) Meeting No. 8, 2/23 in Y-7 (Jennifer)
Approved Minutes posted at: <https://www.designsafe-ci.org/facilities/nco/governance/nheri-council/>
Lori Peek moved approval and Jeff Berman seconded the motion. Minutes were approved as distributed.
3. (8 min) Old Business –
 - a. Post Summit Activities
 - i. Summit report preparation summary (Jennifer, Dan and Julio, 5 min)
Highlights reel is almost ready, and Ted Talk style talk videos as well. Report preparation continues.
 - ii. Next NHERI-wide meeting, 2024 (Dan, 3 min)
Next Summit is planned for May 2024 in DC. The program and potential venues are under discussion.
4. (25 min) New Business - Next steps for strengthening NHERI community
 - a. (5 min) The Impact of NHERI: Metrics and Methods –Update (Julio)
Prof. Nicole Errett from the RAPID has proposed a logic model for assessing impact of activities that is under consideration for possible implementation in the RAPID. Nicole is available to share with the Council, and we would like to invite her to join our next meeting. The Council indicated interest in hearing about it.
Action Item: invite Prof. Errett to join our next meeting.
 - b. (15 min) Professional Society Engagement (Ross) - March meeting
Ross led the discussion with a presentation *Thoughts on a strategy to increase NHERI's long-term impacts* (attached to these Minutes) where he illustrated the role of partnerships in enhancing the

impacts of NHERI. These include those with other laboratories in America and the world, professional societies. The Science Plan can serve as an engagement tool by eliciting the input of professional organizations. The TTC could also play an important role as well as other funding agencies.

- c. (5 min) Scheduling discussion topics for future Council Meetings (Jennifer).
 - i. NHERI Frequently Asked Questions (Lori)
 - ii. Team Science Study (Dan)
 - iii. Social Media Impact (Ellen)
 - iv. Barriers to Entry for NHERI Research
 - v. Others

Action Item: Jennifer asked the Council to collect FAQs about their facilities.

- 5. Other New Business
 - a. An invitation will be extended to Prof. Errett to attend the next Council meeting.

6. Adjourn

Lori moved and Julio seconded the motion to adjourn. The meeting was adjourned at 12:30 PM

Thoughts on a strategy to increase NHERI's long-term impacts

➤ *Strategy reflection*

- *Basic question is whether NHERI could use a more focused effort on extended partnering as a strategy to improve our long-term impacts*
- *The following are brainstorming thoughts on what this might mean and is meant to foster discussion on ideas that may warrant further discussion*

Thoughts on a strategy to increase NHERI's long-term impacts

➤ *Given*

- *NHERI has finite resources and the site resources are allocated largely to O&M*
- *NHERI goal is to enable our research communities (not do the research)*
- *NHERI has a finite life span*
 - *NEES has passed*
 - *NHERI will pass soon*
 - *How to maintain continuity/momentum from NHERI to the next program?*
- *Our research community (and our professional societies) will*
 - *Keep making impacts through data reuse or use of facilities enable by NSF*
 - *Outlast NEES, NHERI, ...*

Thoughts on a strategy to increase NHERI's long-term impacts

- *Increase partnerships with societies and other hazards-centric organizations who*
 - *Represent our hazards communities*
 - *Have more resources*
 - *Have longer lifespans*

- *Use partnerships to expand our reach on*
 - *Science plan (review, input, and adoption)*
 - *Broadening awareness and increasing diversity of user base*
 - *Data reuse*
 - *Workforce training*
 - *Public policy, codes, ...*
 - *Etc.*

Thoughts on a strategy to increase NHERI's long-term impacts

- *Learning from the history of other hazard-related groups/centers (objectively/critically)*
 - *PEER (and other earthquake centers)*
 - *Always partnering with agencies and other groups on workshops (shared expense, wider networks, increased backing of outcomes)*
 - *Partnered on student exchanges (CUEE at Tokyo Tech for 10 years)*
 - *NGA on ground motions – had shared oversight*
 - *Lifelines research – had shared oversight*
 - *GEER*
 - *Took a lot of effort to build a coalition among reconnaissance groups: EERI, USGS, TCLEE, FEMA, larger university groups, and international counterparts*
 - *Incremental growth of buy-in through trial partnerships*
 - *Success laid the groundwork for later groups like STEER, SSEER, ISEER, ...*
 - *NEES*
 - *Culture shift to shared resources, data publishing, data re-use ...*
 - *North American Alliance of Hazards and Disaster Research Institutes (NAAHDRI)*
 - *Launched in 2018 – Lori's story*

Thoughts on a strategy to increase NHERI's long-term impacts

➤ *Hurdles*

- *Must be mutually beneficial*
 - *Look for ways to benefit others*
- *Must share credits*
 - *Overcome provincial tendencies*
- *Takes effort to establish relationships*
 - *Personal contacts, persistence, incrementalism*

Thoughts on a strategy to increase NHERI's long-term impacts

- *Possibilities from partnerships: Using ASCE or EERI as an example*
 - *Booths and exhibits - starts a relationship but not necessarily a lasting partnership*
 - *Sessions at events - best if collaborative; also just a start*
 - *Science plan - reviews by TC's and acknowledge them; promotes awareness & use*
 - *Data reuse - any TC's want to run prediction/validation/best practices events?*
 - *Education and outreach*
 - *Any TC's see site tours or facility demos as collaborative opportunities?*
 - *Summer Institutes and REU's – opportunities for partnering?*
 - *Workshops - any TC's want to partner with a facility on workshops for new users?*
 - *Reconnaissance activities – training, preparation, needs, ...*
 - *Public policy - we have data/examples that can help advocates on policy*
 - *Participation in our Summit*
 - *Proceedings or publications in ASCE have wider distribution*
 - *Participation in the decadal study*

Thoughts on a strategy to increase NHERI's long-term impacts

- *Ideal outcome: ASCE (institutes and TC's), NHERP agencies, or other organizations*
 - *View us as a resource they can leverage and use*
 - *Form lasting connections or structures that support hazards research and large-scale experimental network needs (A new ASCE TC?)*
 - *Any hazards related event by any other organization automatically contacts us to be a participant (whether as sites, as NHERI, or as our next variant ...)*

- *Strategic planning for NHERI*
 - *We have lots going on. Impact assessments. Decadal study, etc.*
 - *Is there value in critically evaluating/updating our approaches?*
 - *Balancing resources and scope*