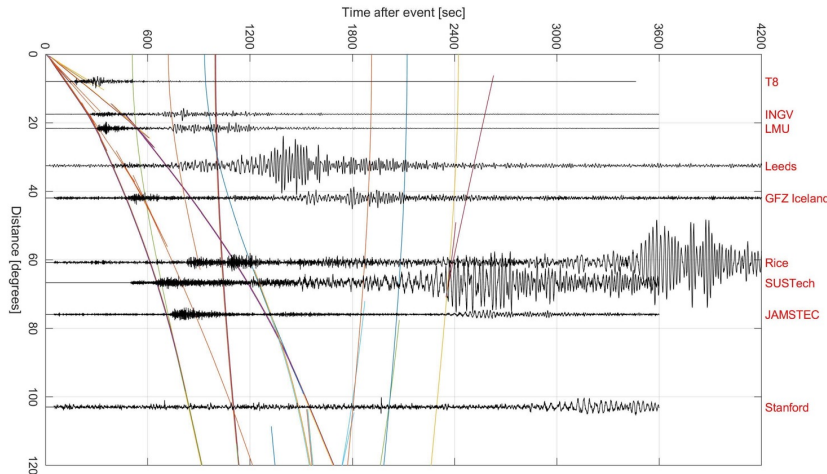


NSF DAS RCN for Geoscience and Engineering

DAS Capstone Workshop	Organizing Team
Madison, Wisconsin	Kasey Aderhold (EarthScope)
June 13-15, 2023	Herb Wang (UW-Madison)
	Bob Woodward (EarthScope)
	Scott Tyler (CTEMPs)



Wuestefeld, Spica, Adderhold et al. (2023),
The Global DAS Campaign of 2023, Seismol.
Res. Lett. XX, 1–7, submitted.

Global DAS Month was February 2023.
Global DAS Day was February 14, 2023. ❤️
155 M > 5 earthquakes

DAS RCN Overview

GOALS

- "1. Identify applications of DAS and develop a network of potential DAS users.
- 2. Train a community of DAS users in the acquisition, handling and processing of DAS data.
- 3. Identify needed technical development (engineering and scientific).
- 4. Identify major challenges and next steps for supporting DAS science beyond the RCN."

COMMUNICATION

- Website: https://www.iris.edu/hq/initiatives/das_rcn.
or Google "IRIS" "DAS" "RCN"
- DAS INTEREST GROUP (DIG) MAILING LIST:
das@lists.ds.iris.edu

FUNDING

NSF Award 1948737 managed by Eva Zanzierka in Division of Earth Sciences (EAR)

Working Groups

DAS Technology

Data Management

Instrumentation

Machine Learning

R&D Test Sites

Early-Career DAS Network

Geophysics Applications

Energy Technologies

Marine Geophysics

Volcanic and Seismic Hazard

Monitoring

Earthquake and Array Seismology

Non-Geophysics Applications

Hydrology

Engineering Infrastructure/Urban
Seismology

Geomorphology

Cryosphere

Geotechnical

- Coordinate and share research and disseminate discussions.
- Sponsor periodic webinars.
- Compile publications and data sets.
- Prepare white papers on current activities and research opportunities.

What Have We Done in 3 Years?

- Steering Comm Meetings every other month
- Several Community Forums
- Several AGU Workshops or Special Sessions
- Several EarthScope Workshops and SIGs
- 14 Webinars all recorded on IRIS youtube channel
- Metadata standard proposed for DAS Data
- 10-12 Working Groups
- Global DAS Month
- DAS-RCN github Python repository
- Field Experience Workshop at Colorado School of Mines (end of May 2023) Final Final Report on DAS Opportunities and Needs for Geoscience and Engineering: Science, Technology, Data Management, & Community (THIS WEEK!)

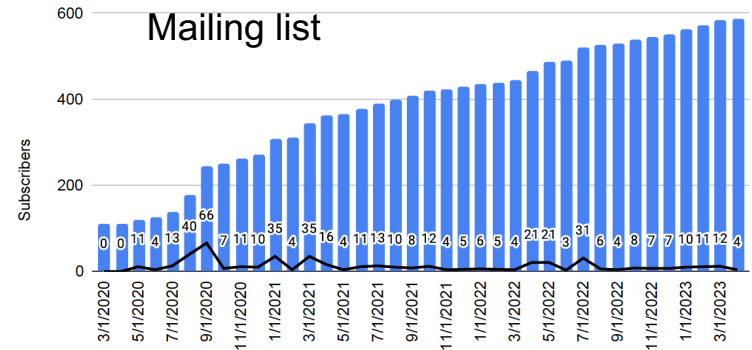


HOME / INITIATIVES / DAS RCN

Distributed Acoustic Sensing (DAS) Research Coordination Network (RCN)

Subscribe to the DAS mailing list through the IRIS Message Center [here](#). Messages can be sent to das@lists.ds.iris.edu.

About Events and Announcements Steering Committee Join a Working Group New to DAS?



DAS in Constellation of EarthScope Facility as Recommended by Portfolio Committee

<https://www.nsf.gov/geo/adgeo/ear-instrumentation-review/AC-GEO-EAR-Instrumentation-Portfolio-Review-April-2021%20Report.pdf>

