ERIN ROBINSON

Metadata Game Changers, LLC · Boulder, Colorado
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Research Interests: Knowledge infrastructure and place-based open science; sociotechnical infrastructure co-designed with biological field stations and other place-based organizations; connecting research outputs to place and downstream data users to data providers; FAIR/CARE data governance and ethical fieldwork; computer-supported cooperative work; environmental informatics.

EDUCATION

Ph.D., Information Science, University of Colorado Boulder 2021–2025
Dissertation: From Standing Apart to Standing Together: The Social (Re)Organization of Biological Field Stations Through Computer-Supported Cooperative Work (Advisor: Leysia Palen). doi:10.25810/2y0j-fz68

M.Sc., Information Science, University of Colorado Boulder 2024

M.Sc., Energy, Environmental & Chemical Engineering, Washington Univ. in St. Louis 2006–2010
Thesis: Integration of Multi-Sensory Earth Observations for Characterization of Air Quality Events. doi:10.7936/k79w0cjq

B.S., Chemical Engineering, Washington University in St. Louis 2002–2006

PROFESSIONAL APPOINTMENTS

CEO & Co-Founder, Metadata Game Changers, LLC, Boulder, CO 2020–present

Fellow, Indigenous Data Law Lab, New York University 2026–present

Instructor, ESPM 109E, Island Sustainability Program, UC Berkeley 2023–present

Executive Director, Earth Science Information Partners (ESIP) 2014–2020

Information and Virtual Community Director, ESIP 2010–2014

Research Assistant, CAPITA, Washington University in St. Louis 2006–2010

AWARDS & HONORS

NASA Exceptional Public Service Medal, NASA 2020
One of NASA's highest honors for individuals outside the federal government; awarded by nomination of NASA officials through the agency's Honor Awards program.
"For exceptional, sustained, and creative community building among NASA and its collaborators, significantly enhancing NASA investments in data, technology, and applications."

Leptoukh Lecture Award, ESSI Section, American Geophysical Union (AGU) 2020
"For achievement in computational sciences, data sciences, and informatics leading to, or enabling, advances in domain science."

Outstanding Contributions in Geoinformatics, Geological Society of America 2020

CMCI Scholarship, University of Colorado Boulder 2024

CMCI Scholarship, Ernie and Jean Martin Graduate Fund, University of Colorado Boulder 2023

PLACE-BASED ENVIRONMENTAL DATA SCIENCE (SELECTED)

FAIR Island Project (NSF EAGER #2132549): Co-Principal Investigator; first author of Robinson et al. (2023), "FAIR Island: Real-world examples of place-based open science," GigaScience; designed and demonstrated machine-actionable research projects, organizing data by place and co-designed place-based data policies for the UC Berkeley Gump Station and Tetiaroa Bailey Station. Generalized this work into the FAIR/CARE Field Station Toolkit (https://doi.org/10.17913/FAIRCARESTATIONTOOLKIT).

iPlaces (https://iplacesalliance.org/gumpstation/): co-developed with Neil Davies (UC Berkeley / Gump Station) an "Internet of Places" operationalizing FAIR and CARE principles for field stations and marine labs; publishing and persistent-identifier infrastructure now in production for Gump Station and the Tetiaroa Bailey EcoStation.

Biocode 2.0 / Ethnocode (Mo'orea): co-author of the Biocode 2.0 Mo'orea Coral Reef Hologenome Sequencing Project, a model for legal and ethical marine genetic research (One Ocean Science Congress 2025); leads Ethnocode data infrastructure design connecting genomic research with community engagement and Local Contexts TK/BC Labels (Moore Foundation funding via NYU, 2025–2028)

Gump Station scholarly record: editor and publisher of the 2025 Island Health & Sustainability Conference Proceedings (doi:10.60950/3cb5a5bc-2d64-4936-8a7a-32cdecbe53ba) and of the Tetiaroa Data Trust Policy and Data Management Procedures (Zenodo, 2025).

Field stations as research subject: doctoral dissertation on the social (re)organization of biological field stations (CU Boulder, 2025); peer-reviewed CSCW scholarship on field stations as scientific caregivers; OBFS member and workshop convener (2023–present); Chair, Local Contexts Biosciences Working Group (2025–present).

GRANTS & FELLOWSHIPS

As Principal Investigator / Co-Principal Investigator

Ethnocode: Place-Based Data Infrastructure for Community-Engaged Genomic Research (2025–2028)
Gordon and Betty Moore Foundation funding via New York University (research services agreement to Metadata Game Changers). Project Lead. $240,000.

EAGER: The FAIR Island Project for Place-based Open Science (2021–2023)
National Science Foundation, Award #2132549. Co-Principal Investigator (PI: John Chodacki, California Digital Library; Co-Is: Neil Davies, UC Berkeley Gump South Pacific Research Station; Matt Buys, DataCite). Total: $296,234 (Robinson: $121,440).

Openscapes: Enabling a New Era of Science on the Cloud (NASA ROSES 2020 E.2) (2021–2024)
NASA Headquarters. Consultant / Co-Investigator (PI: Julia Lowndes, UC Santa Barbara). Total: $900,000 (Robinson: $273,071).

SEEKCommons Fellowship (2024)
SEEKCommons Research Coordination Network, funded by NSF Award #2226425. Fellow (Jan–Oct 2024).

Institutional Awards Secured as ESIP Executive Director

As Executive Director (2014–2020), secured and administered a multi-million-dollar portfolio of federal cooperative agreements and grants from NASA, NOAA, USGS, and NSF as Principal Investigator:

NASA Cooperative Agreement 80NSSC17K0674, "ESIP: Making Earth Science Data Matter Through a Community Platform" (2017–2020; PI); incrementally funded with EOSDIS, AIST, and Applied Sciences program supplements.

NASA Award 80NSSC21K0365, "ESIP: Making Data Matter through Community Coordination" (2021–2023); proposal and budget authored as outgoing Executive Director, awarded January 2021.

NOAA NESDIS Award NA20NES4400002, Broad Agency Announcement cooperative agreement (2019–2022; PI through Sept 2020): $737,526.

NOAA IOOS Award NA19NOS0080161, ESIP Support for 2nd Biological Data Standards Workshop (2019–2021; PI): $45,028.

NOAA NESDIS Award NA16NES4400001, ESIP Federation Platform (2016–2020; PI): $259,000.

USGS Cooperative Agreement G17AC00214, Community for Data Integration (2017–2020; PI; modifications 2018, 2019); also authored the 2020 USGS Science Synthesis & Analysis cooperative agreement proposal, awarded following Robinson's Sept 2020 departure.

NSF Awards #1550328 (BD Hubs: WEST, 2015–2018), #1340233 (EarthCube Test Enterprise Governance, 2013–2016), #1343800 (EarthCube Software Stewardship, 2013–2016); NOAA Award NA13NES4400005 (2013–2016).

PUBLICATIONS

*Complete publication record. Underlying records: Google Scholar and ORCID (0000-0001-9998-0114). * denotes invited.*

Peer-Reviewed Journal Articles

Lowndes, J. S., Holder, A. M., Markowitz, E. H., Clatterbuck, C., Bradford, A. L., Doering, K., Stevens, M. H., Butland, S., Burke, D., Kross, S., Hollister, J. W., Stawitz, C., Siple, M. C., Rios, A., Welch, J. N., Li, B., Nojavan, F., Davis, A., Steiner, E., … Robinson, E. (2024). Shifting institutional culture to develop climate solutions with Open Science. Ecology and Evolution, 14(6), e11341. doi:10.1002/ece3.11341

Robinson, E., Buys, M., Chodacki, J., Garza, K., Monfort, S., Nancarrow, C., Praetzellis, M., Riley, B., Wimalaratne, S., & Davies, N. (2023). FAIR Island: Real-world examples of place-based open science. GigaScience, 12, giad004. doi:10.1093/gigascience/giad004

Praetzellis, M., Buys, M., Chen, X., Chodacki, J., Davies, N., Garza, K., Nancarrow, C., Riley, B., & Robinson, E. (2023). A programmatic and scalable approach to making data management machine-actionable. Data Science Journal, 22(1), 26. doi:10.5334/dsj-2023-026

Peng, G., Downs, R. R., Lacagnina, C., Ramapriyan, H., Ivánová, I., Moroni, D., … Robinson, E., et al. (2021). Call to action for global access to and harmonization of quality information of individual earth science datasets. Data Science Journal, 20(1), 19. doi:10.5334/dsj-2021-019

Barton, C. M., Alberti, M., Ames, D., Atkinson, J. A., Bales, J., Burke, E., Chen, M., … Robinson, E., et al. (2020). Call for transparency of COVID-19 models. Science, 368(6490), 482–483. doi:10.1126/science.abb8637

Stall, S., Yarmey, L., Cutcher-Gershenfeld, J., Hanson, B., Lehnert, K., Nosek, B., Parsons, M., Robinson, E., & Wyborn, L. (2019). Make scientific data FAIR. Nature, 570(7759), 27–29. doi:10.1038/d41586-019-01720-7

Tanhua, T., Pouliquen, S., Hausman, J., O'Brien, K., Bricher, P., de Bruin, T., … Robinson, E., et al. (2019). Ocean FAIR data services. Frontiers in Marine Science, 6, 440. doi:10.3389/fmars.2019.00440

Cutcher-Gershenfeld, J., Stall, S., Cruse, P., Cousijn, H., de Waard, A., Hanson, R. B., … Robinson, E., et al. (2018). Data sharing and citations: New author guidelines promoting open and FAIR data in the Earth, space, and environmental sciences. Science Editor, 41(3), 83–87.

Stall, S., Yarmey, L. R., Boehm, R., Cousijn, H., Cruse, P., Cutcher-Gershenfeld, J., … Robinson, E., et al. (2018). Advancing FAIR data in Earth, space, and environmental science. Eos, Earth and Space Science News, 99. doi:10.1029/2018EO109301

Stall, S., Robinson, E., Wyborn, L., Yarmey, L. R., Parsons, M. A., Lehnert, K., Cutcher-Gershenfeld, J., Nosek, B., & Hanson, B. (2017). Enabling FAIR data across the Earth and space sciences. Eos, 98. doi:10.1029/2017EO088425

Downs, R. R., Lenhardt, W. C., Robinson, E., Davis, E., & Weber, N. (2015). Community recommendations for sustainable scientific software. Journal of Open Research Software, 3(1), e11. doi:10.5334/jors.bt

Wilson, A., Downs, R. R., Lenhardt, W. C., Meyer, C., Michener, W., Ramapriyan, H., & Robinson, E. (2014). Realizing the value of a national asset: Scientific data. Eos, Transactions American Geophysical Union, 95(50), 477–478. doi:10.1002/2014EO500006

Bolukbasi, B., Berente, N., Cutcher-Gershenfeld, J., DeChurch, L., Flint, C., … Robinson, E., et al. (2013). Open data: Crediting a culture of cooperation. Science, 342(6162), 1041–1042. doi:10.1126/science.342.6162.1041-b

Robinson, E., Meyer, C. B., & Lenhardt, W. C. (2012). Moving the science data quality dialogue forward. Eos, Transactions American Geophysical Union, 93(19), 189. doi:10.1029/2012EO190008

Husar, R. B., Hoijarvi, K., Falke, S. R., Robinson, E. M., & Percivall, G. S. (2008). DataFed: An architecture for federating atmospheric data for GEOSS. IEEE Systems Journal, 2(3), 366–373. doi:10.1109/JSYST.2008.925973

Peer-Reviewed Conference Papers & Posters

Robinson, E. (2025). From standing apart to standing together: A decolonial approach to place-based research using DataCite metadata. International Digital Curation Conference (IDCC), British Library. doi:10.23636/5h15-2814

Copas, K., Raymond, M., Mendez, F., Jennings, L. L., Anderson, J., Hopkins, H., … Robinson, E., et al. (2025). From FAIR to CARE: Supporting Indigenous cultural authority by integrating Local Contexts Labels and Notices in GBIF. British Library.

Robinson, E., & Palen, L. (2023). Invisible coordination work: Field stations as scientific caregivers. Companion Publication of the 2023 Conference on Computer Supported Cooperative Work and Social Computing (CSCW '23), 160–163. doi:10.1145/3584931.3606982

Robinson, E. M., & Fialkowski, W. E. (2010). Air Twitter: Using social media and scientific data to sense air quality events. 2010 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Honolulu, HI.

Chemtob, S. M., Arvidson, R. E., Fernández-Remolar, D. C., Amils, R., Morris, R. V., … Robinson, E., et al. (2006). Identification of hydrated sulfates collected in the northern Rio Tinto valley by reflectance and Raman spectroscopy. 37th Lunar and Planetary Science Conference.

Dissertation & Theses

Robinson, E. (2025). From Standing Apart to Standing Together: The Social (Re)Organization of Biological Field Stations Through Computer-Supported Cooperative Work [Doctoral dissertation, University of Colorado Boulder]. doi:10.25810/2y0j-fz68

Robinson, E. M. (2010). Integration of Multi-Sensory Earth Observations for Characterization of Air Quality Events [Master's thesis, Washington University in St. Louis]. doi:10.7936/k79w0cjq

Preprints

Robinson, E., & Lowndes, J. S. (2022). The Openscapes Flywheel: A framework for managers to facilitate and scale inclusive Open Science practices. EarthArXiv. doi:10.31223/X5CQ02

Robinson, E., & Habermann, T. (2021). Data-driven community building: Measuring and improving connectivity in domain repositories. ESS Open Archive. doi:10.1002/essoar.10509910.1

Robinson, E., Wyborn, L., Evans, B., Burton, A., Cox, S., & Rawlings, T. (2019). Earth and Environment Science Information Partners: ESIP & E2SIP parallel pathways on opposite sides of the globe. Earth and Space Science Open Archive (ESSOAr). doi:10.1002/essoar.10500447.1

Reports, White Papers & Community Publications

Thornton, M., Taglialatela, C., Lopez, L., Fisher, M., Hunzinger, A., Jami, M., … Robinson, E., et al. (2024). NASA Champions 2024: Data strategies for when to use cloud, coding strategies for parallelization, & first examples of big science in the Cloud. USGS Report.

Robinson, E., Habermann, T., et al. (2023). Building a community of practice: Observations of the current use of DataCite DOIs as project IDs. Upstream. doi:10.54900/a9qvh-qdg32

Murphy, K., Zurbuchen, T., Kuchner, M., Luna-Cruz, Y., Robinson, E., Adiele, F., et al. (2021). NASA SMD Open Source Science Data Processing and Archives Workshop [Workshop report]. doi:10.34734/fzj-2024-04104

Ahalt, S., Carsey, T., Couch, A., Hooper, R., Ibanez, L., Idaszak, R., Jones, M. B., … Robinson, E., et al. (2015). NSF workshop on supporting scientific discovery through norms and practices for software and data citation and attribution [Workshop report]. National Science Foundation.

The Institute for Earth and Environmental Software (ISEES): A strategic plan. (2015). Figshare. doi:10.6084/m9.figshare.1320917.v1

Downs, R. R., Lenhardt, W. C., Robinson, E., Davis, E., & Weber, N. (2014). Community recommendations for improving sustainable scientific software practices [Report].

Khalsa, S., Parsons, M., Duerr, R., Pearlman, J., Pearlman, F., Browdy, S., … Robinson, E., et al. (2012). Brokering for EarthCube communities: A road map. National Snow and Ice Data Center. doi:10.7265/N59C6VBC

Robinson, E. M., & Husar, R. B. (2008). Harmonization and integration of semi-structured data through controlled tagging. CAPITA, Washington University in St. Louis.

Robinson, E., et al. (2005). Exceptional PM2.5 event analysis for TN, GA, and SC, 2002–2004. CAPITA Technical Report, Washington University in St. Louis.

Software, Datasets & Curated Collections

Robinson, E., & Habermann, T. (2026). Re-Curation Watch [Software]. Metadata Game Changers. doi:10.60872/recurationwatch

Robinson, E. (2026). Metadata completeness for four FAIR use cases for all DataCite repositories [Dataset]. Zenodo. doi:10.5281/zenodo.15548476

Robinson, E. (Ed.). (2026). 2025 Island Health & Sustainability Conference Proceedings. UC Berkeley Gump South Pacific Research Station. doi:10.60950/3cb5a5bc-2d64-4936-8a7a-32cdecbe53ba

Robinson, E. (Ed.). (2026). 2026 ISP Student Symposium. iPlaces. doi:10.17913/9ycm-zn92

Robinson, E. (2026). Recuration of 1992 to 2014 ESPM C107 / IB 158LF Biology and Geomorphology of Tropical Islands class papers [Curated collection]. UC Berkeley Gump South Pacific Research Station. doi:10.60950/956fad7b-311c-4250-bebc-4e43f0c2ffdc

Robinson, E. (2025). GBIF and Local Contexts over time [Dataset]. iPlaces. doi:10.17913/gbif-lc-2025

Robinson, E., et al. (2024). FAIR/CARE Field Station Toolkit. iPlaces. doi:10.17913/faircarestationtoolkit

Robinson, E., et al. (2022). Generic place-based data policy (V1.0.2). Zenodo. doi:10.5281/zenodo.6977453

Lowndes, J. S., … Robinson, E., et al. (2023). NASA EarthData Cloud Cookbook. Zenodo. doi:10.5281/zenodo.7786710

Lowndes, J. S., … Robinson, E., et al. (2023). Openscapes Approach Guide. Zenodo. doi:10.5281/zenodo.8034312

Lowndes, J. S., … Robinson, E., et al. (2022). Openscapes Champions Lesson Series. Zenodo. doi:10.5281/zenodo.7407246

TEACHING & CURRICULUM DEVELOPMENT

Instructor, ESPM 109E: Data, Communication, and Professionalism, University of California Berkeley (3 units) (2023–present)

Island Sustainability Program (ISP), Rausser College of Natural Resources; taught annually in residence at the UC Berkeley Gump South Pacific Research Station, Mo'orea, French Polynesia (March 2023, 2024, 2025, 2026; ~80 students across four cohorts).

ESPM 109E is the capstone course of the semester-long ISP. Students learn to design and implement knowledge-management practices for environmental research: persistent identifiers (DOI, ORCID, ROR) and connecting research outputs to Gump Station; retrospective ethical analysis of fieldwork; the interaction of science with local and traditional knowledge; and translating research for specific audiences, from Mo'orea schoolchildren and the Atiti'a Center community to local government and fellow researchers.

Students collaboratively design and run the annual ISP Island Sustainability Student Symposium — a full-day, student-organized conference in which every student delivers a talk — and complete capstone projects that pair extended abstracts with community-engagement artifacts (research translated into products for the Atiti'a Center, schools, local government, or researchers).

Pedagogical infrastructure: the ISP Student Symposium proceedings are published as citable, DOI-registered collections (2026 ISP Student Symposium, doi:10.17913/9ycm-zn92), and the 1992–2014 ESPM C107 / IB 158LF Biology and Geomorphology of Tropical Islands class papers were re-curated and published as a persistent collection (doi:10.60950/956fad7b-311c-4250-bebc-4e43f0c2ffdc) — giving three decades of Berkeley student fieldwork in Mo'orea a durable, discoverable scholarly record. The course design — student-run symposium, community-engagement capstone, and re-curation workflow — is modular and reusable across ISP courses and other field-program curricula.

Mentorship & advising: ongoing advising of ISP students beyond the course term, including letters of recommendation and post-program career advising, alongside capstone, data-management, and science-communication support; coordinates guest instruction with UC Berkeley and Gump-affiliated faculty and community experts.

Grader, University of Colorado Boulder (2022–2023)
INFO 2131: Information Ecosystems (Dr. Leysia Palen; Fall 2022, Fall 2023); INFO 4608: Mastery in Information Science — Community-Based Design (Dr. Ricarose Roque; Spring 2023).

CONFERENCE PRESENTATIONS & ABSTRACTS

* Robinson, E. (2025, December). An overview of iPlaces for the LTER Information Managers [Invited webinar]. LTER Information Management Committee. doi:10.5281/zenodo.17860880

Robinson, E., & Davies, N. (2025). iPlaces: Operationalizing FAIR and CARE data principles in coastal communities worldwide. One Ocean Science Congress 2025. doi:10.5194/oos2025-939

Davies, N., Robinson, E., & Davies, M. W. (2025). Biocode 2.0 Mo'orea Coral Reef Hologenome Sequencing Project: A model for legal and ethical marine genetic research. One Ocean Science Congress 2025. doi:10.5194/oos2025-1034

Habermann, T., & Robinson, E. (2025, January). Connecting PIDs. ESIP January 2025 Meeting. doi:10.6084/m9.figshare.28598225.v1

Lowndes, J., Robinson, E., Lopez, L., Fenwick, I., & Holmes, E. (2025). Including more solutions and more solvers via actionable open science. ESIP. doi:10.6084/m9.figshare.28208174.v1

Davies, N., & Robinson, E. (2024, December). Resisting contextual collapse: How an Internet of Places (iPlaces) can help field stations and marine labs operationalize FAIR and CARE principles for environmental sustainability and social justice. AGU Fall Meeting, IN42A-07.

Wyborn, L. A., Robinson, E., Farrington, R., & Rawling, T. (2024, December). Improving practices for persistently recording the CARE principles for collections of place-based research samples, observations and instrument measurements. AGU Fall Meeting, IN42A-08.

Robinson, E., Anderson, J., Buttigieg, P. L., Choe, S., Davies, N., Kansa, E. C., … Lehnert, K. (2024, December). Sampling nature: Looking to the future for AI-ready samples. AGU Fall Meeting, IN42A-04.

Jenkyns, R., Chodacki, J., & Robinson, E. (2024, December). Curating and interconnecting persistent identifiers for better research and funder mandates. AGU Fall Meeting.

Lowndes, J. S. S., Lopez, L. A., Holmes, E. E., Fenwick, I. F., & Robinson, E. (2024, December). Including more solutions and more solvers via actionable open science. AGU Fall Meeting, IN13A-2147.

Robinson, E. (2024, October). Resisting contextual collapse: Grounding the dialogue in real-world use cases. Projects@DataCite. doi:10.5281/zenodo.13968294

Robinson, E., & Habermann, T. (2024, October). Instruments @ DataCite. DataCite webinar. doi:10.5281/zenodo.13910878

Robinson, E., & Habermann, T. (2024, September). Finding DataCite BrightSpots. DataCite webinar. doi:10.5281/zenodo.13828120

Robinson, E. (2024, September). Resisting contextual collapse: How an Internet of Places (iPlaces) supports research stations operationalize FAIR and CARE. Zenodo. doi:10.5281/zenodo.13824582

Robinson, E. (2024, August). Connecting to downstream outputs: Field station experiences self-publishing project applications. Zenodo. doi:10.5281/zenodo.13207272

Robinson, E. (2024). Sampling Nature RCN [Poster]. ESIP. doi:10.6084/m9.figshare.25049909

Habermann, T., & Robinson, E. (2024). WhatCameFirst: The paper or the data. ESIP. doi:10.6084/m9.figshare.25139354

Robinson, E., Buys, M., Chodacki, J., Davies, N., Meyer, C., Praetzellis, M., & Wimalaratne, S. (2024, January). FAIR Island: Planning for FAIR & CARE data before the field work begins. ESIP January 2024 Meeting.

* Robinson, E., Anderson, J., Buys, M., Chodacki, J., Choe, S., Davies, N., Kansa, S., Lehnert, K., Meyer, C., Praetzellis, M., Thomer, A., Vieglais, D., Walls, R., & Wimalaratne, S. (2023, December). Exploring the hidden afterlives of material samples: How the Internet of Samples (iSamples) and transdisciplinary collaboration across the material sample community enables open science with samples [Invited Union Session]. AGU Fall Meeting. doi:10.5281/zenodo.10381317

Lowndes, J. S. S., Robinson, E., Lind, B. M., Steiker, A. E., Lopez, L. A., Friesz, A., et al. (2023, December). NASA Openscapes approaches and stories of kinder, open science in the Cloud. AGU Fall Meeting, SH51A-04.

Friesz, A. M., Virdi, M., Lind, B. M., Lowndes, J. S. S., & Robinson, E. (2023, December). Community building across government and responding to researcher needs with the NASA Openscapes framework. AGU Fall Meeting, INV51D-11.

Kempler, L. A., Lopez, L. A., Wen, Y., Cornillon, P., Lowndes, J. S. S., Robinson, E., & Hepplewhite, C. L. (2023, December). Accessing NASA Earthdata in the cloud: Experiences using MATLAB on NASA Openscapes' 2i2c JupyterHub. AGU Fall Meeting, IN21A-02.

Lind, B. M., Taglialatela, C. M. O., Nickles, C., Friesz, A. M., Hunzinger, A., Thornton, M., … Robinson, E., & Lowndes, J. S. S. (2023, December). Enabling analysis in the cloud using NASA Earth science data. AGU Fall Meeting.

Robinson, E. (2023, November). Autoethnographic anecdotes on scientific caregiving with environmental data: A way toward data-enabled sustainability? [Workshop paper]. CSCW 2023.

Robinson, E., & Palen, L. (2023, November). Making the invisible visible: What kind of credit do field stations need for their contributions to the scientific enterprise? [Poster]. OBFS 2023 Meeting.

Robinson, E., & Palen, L. (2023, November). Invisible coordination work: Field stations as scientific caregivers [Lightning talk]. OBFS 2023 Meeting.

Robinson, E., Buys, M., Chodacki, J., Davies, N., Meyer, C., Praetzellis, M., & Wimalaratne, S. (2023, July). Project metadata and ongoing re-curation: Tracking the impact of field station research. ESIP July Meeting.

Robinson, E., Anderson, J., Hudson, M., Meyer, C., & Davies, N. (2023, March). Island sampling: Applying the FAIR and CARE principles to material samples in support of place-based sustainability science. Australian Research Data Commons Sample Community of Practice Kick-off Webinar.

Lopez, L. A., Robinson, E., & Lowndes, J. (2023, January). NASA Openscapes Project: Efforts to support end users in the journey to the cloud. 103rd American Meteorological Society Annual Meeting.

Lopez, L., Barrett, A., Steiker, A. E., Scheick, J., Lowndes, J. S. S., & Robinson, E. (2022, December). A Python package to search and access NASA Earth science data. AGU Fall Meeting, IN22C-0318.

Robinson, E., Anderson, J., Hudson, M., Meyer, C., & Davies, N. (2022, December). Island sampling: Applying the FAIR and CARE principles to material samples in support of place-based sustainability science. AGU Fall Meeting, IN55A-07.

Friesz, A. M., Hunzinger, A., Lowndes, J. S. S., & Robinson, E. (2022, December). NASA Openscapes: Lessons learned supporting cross-DAAC user services to migrate to the cloud. AGU Fall Meeting, IN22C-0321.

Robinson, E., Chodacki, J., Davies, N., Buys, M., Nancarrow, C., Praetzellis, M., Garza, K., Wimalaratne, S., & Habermann, T. (2022, October). The FAIR Island Project: Tracking the impact of field station research. doi:10.5281/zenodo.7308803

* Lowndes, J., & Robinson, E. (2021, December). Open project design: Lessons from the NASA Openscapes framework [Invited Union Session]. AGU Fall Meeting, U51B-07.

Steiker, A., Lowndes, J., Robinson, E., Oaida, C., Lopez, L., Friesz, A., Barrett, A., et al. (2021, December). NASA Earthdata access in the cloud using open-source libraries. AGU Fall Meeting, U51B-09.

Hall, C., Virdi, M., Hunzinger, A., Steiker, A., Taglialatela, C. M. O., Friesz, A. M., … Robinson, E., et al. (2021, December). Enabling analysis in the cloud using NASA Earth science data. AGU Fall Meeting.

Stall, S., Glaves, H., Hanson, B., Lehnert, K., Robinson, E., & Wyborn, L. (2021, April). Citation and credit: The role of researchers, journals, and repositories to ensure data, software and samples are linked to publications with proper attribution. EGU General Assembly, EGU21-3648.

Robinson, E., Praetzellis, M., Davies, N., & Garza, K. (2021). FAIR Island: Networked, machine-actionable DMPs for open science. RDA Outputs Webinar Series.

* Robinson, E. (2020, December). Putting data to work: Moving science forward together beyond where we thought possible! [Invited Leptoukh Lecture]. AGU Fall Meeting. doi:10.5281/zenodo.4315008

Wyborn, L. A., & Robinson, E. (2020, December). Putting data to work [Session]. AGU Fall Meeting, IN021-01.

Robinson, E. (2020, May). Putting data to work: ESIP and EarthCube working together to transform geoscience. EGU General Assembly 2020.

Stall, S., Robinson, E., Carter, M., & Koskela, R. (2020, February). Data FAIR: Ocean data viz – beautiful data, understandable visualizations; Ocean data integration – challenges, successes, tools, and platforms; Planning to publish? Where is your data? [Workshop series]. Ocean Sciences Meeting 2020.

Robinson, E., et al. (2020, February). The paper and the data: Authors, reviewers, and editors workshop on updated journal practices for data (and software). doi:10.5281/zenodo.3669441

* Robinson, E. (2019, December). Invited panelist [Invited Union Session]. AGU Fall Meeting.

Stall, S., & Robinson, E. (2019, December). Data FAIR workshop series: New author guidelines for data and software; pyOpenSci; Citations lead to credit. AGU Fall Meeting.

Gilford, D., Stall, S., Robinson, E., & DePodwin, B. (2019, December). Emotional well-being and career stress in Earth science: Support to meet the needs of the next centennial. AGU Fall Meeting.

Robinson, E., Benedict, K. K., & Daniels, M. D. (2019, December). Making data matter: Increasing the use and value of Earth science data & information. AGU Fall Meeting, U53A-06.

Lehnert, K., Ahern, T., Kinkade, D., & Robinson, E. (2019, December). Building resilience by sharing infrastructure among data facilities: An initiative of the EarthCube Council of Data Facilities. AGU Fall Meeting, IN14B-14.

Robinson, E., Glaves, H., Murayama, Y., & Wyborn, L. A. (2019, December). Communities, tools, and policies that enable integration of Earth, space, and environmental science data and cyberinfrastructures [Session]. AGU Fall Meeting.

Carter, M. R., Robinson, E., & Burgess, A. (2019, September). Earth Science Information Partners (ESIP): Optimizing collaborations to make data matter. Geological Society of America Annual Meeting.

Robinson, E. (2019, April). The Earth Science Information Partners: Globally connected networks of Earth, space and environmental science data practitioners making data matter. EGU General Assembly.

Rawling, T., Robinson, E., Harrison, M., Robida, F., Glaves, H., Evans, B., et al. (2019, April). Building Australia's 'downward looking telescope' – an opportunity to develop international collaboration through strategic integration of observational and data infrastructures. EGU General Assembly.

Earlier conference record (2004–2018): approximately 45 additional abstracts, workshops, and invited talks at AGU, EGU, AMS, GSA, and Ocean Sciences meetings; complete archive at ORCID 0000-0001-9998-0114 and Google Scholar.

COMMUNITY EVENT LEADERSHIP, WORKSHOPS & SESSIONS CONVENED

Community Event Leadership

Founder and Lead Organizer, Ignite@AGU (now Spark@AGU): annual science-storytelling evening event at the AGU Fall Meeting, produced with ESIP (2011–2020).

Founding Lead, Data Help Desk: informatics and data-management help desk connecting researchers with data experts, an ESIP–AGU–RDA collaboration now run at AGU Fall Meetings, EGU General Assemblies, and Ocean Sciences Meetings (2016–2020).

Co-Lead (with S. Stall, AGU), AGU Data FAIR / Data Fair workshop program: multi-session data-management workshop series at AGU Fall Meetings 2016–2019 and Ocean Sciences Meetings 2018 & 2020.

Organizer, ESIP/RDA Earth, Space, and Environmental Sciences Interest Group sessions at Research Data Alliance Plenaries (2018–present).

Workshops Organized

iSamples Workshop, Mo'orea, French Polynesia (February 2025).

SEEKCommons Annual Convening, Berkeley, CA (December 2024).

Island Health and Sustainability Conference, Mo'orea, French Polynesia (November 2024).

IMLS FAIR+CARE Workshop, Marin, CA (October 2024).

Sampling Nature Research Coordination Network Workshops: Tucson, AZ (May 2023); New York, NY (December 2023); Washington, D.C. (May 2024).

USGS Community for Data Integration Workshop, co-organized with USGS (January 2020).

The Paper and The Data: Authors, Reviewers, and Editors Workshop on Updated Journal Practices for Data and Software (February 2020). doi:10.5281/zenodo.3669441

MPS FAIR Hackathon, NSF Mathematical and Physical Sciences (February 2019). doi:10.17605/osf.io/km8db

Conference Sessions Convened

Davies, N., & Robinson, E. AGU 2024: Sessions on place-based FAIR/CARE data practices for field stations and marine labs (IN42A).

Robinson, E., Adler, J., Wyborn, L. A., Smith, D. K., & Damerow, J. E. AGU 2023: Preserving our primary field data for future generations of geoscientific research.

Wyborn, L. A., & Robinson, E. AGU 2020: Putting data to work (IN021).

Robinson, E., Glaves, H., Murayama, Y., & Wyborn, L. A. AGU 2019: Communities, tools, and policies that enable integration of Earth, space, and environmental science data and cyberinfrastructures.

Wyborn, L. A., Robinson, E., Glaves, H., & Stall, S. AGU 2018: Great Debate — How to support and develop the modern digital research ecosystem.

Fontaine, K. S., Hills, D. J., Barbieri, L., & Robinson, E. AGU 2018: Data policy — much more than just the data set (eLightning).

Foster, I., Evans, B. J. K., Hnilo, J. J., & Robinson, E. AGU 2018: Scalable data management practices in Earth sciences.

Parsons, M. A., & Robinson, E. AGU 2014: Collaborative community platforms for the Earth sciences.

SERVICE & PROFESSIONAL MEMBERSHIPS

Boards & Committees

Chair, Local Contexts Biosciences Working Group (2025–present).

Incoming Co-Chair, ESIP Samples Cluster (2026).

OpenAQ Board of Directors, Treasurer and Member (2022–present).

CSCW 2023 Registration Chair, Organizing Committee.

University of Colorado Boulder: Teaching Faculty Hire Committee (2024); INFO Graduate Student Association, Treasurer (2022–2023); GPSG Liaison to the Library Review Board (2021–2022).

Peer Review

Conference reviewing: CHI (2024); CSCW (2022, 2023, 2024, 2025).

Grant review: National Science Foundation (2023, 2024).

Journal reviewing: PNAS; PLOS Computational Biology.

Memberships

Organization of Biological Field Stations (OBFS) (2023–present); ACM SIGCHI (2021–present); Research Data Alliance, Earth, Space and Environmental Science Interest Group (2018–present); American Geophysical Union (2007–present); Earth Science Information Partners (2006–present); Geological Society of America (2011–2020).

ADDITIONAL CREDENTIALS

Sustainable and Digital Transformation PhD Course, Aalborg University (2024).

NASA Open Science Certification, NASA (2023–2024). credly.com/badges/5ec9bece-6911-471f-a45b-918a2efa9eaa

Certified Carpentries Instructor, The Carpentries (2023).

Associate Certified Coach, International Coaching Federation (2021; renewed 2024).

CITI: Social Behavioral Research Investigators and Key Personnel; Social and Behavioral Responsible Conduct of Research (2021; renewed 2024).

Research Data Bootcamp Badge, University of Colorado Boulder (2021).