

Erin Robinson

GRADUATE STUDENT | CONSULTANT

Information Science Department, University of Colorado

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Education

Ph.D., Information Science (in progress)

UNIVERSITY OF COLORADO, BOULDER

Boulder, CO

Aug. 2021 - Present

M.Sc., Information Science

UNIVERSITY OF COLORADO, BOULDER

Boulder, CO

Aug. 2021 - May 2024

M.Sc., Energy, Environmental and Chemical Engineering

WASHINGTON UNIVERSITY IN ST. LOUIS

St. Louis, MO

Jun. 2006 - Nov. 2010

- Thesis: Integration Of Multi-Sensory Earth Observations For Characterization Of Air Quality Events

B.Sc., Chemical Engineering

WASHINGTON UNIVERSITY IN ST. LOUIS

St. Louis, MO

Aug. 2002 - May. 2006

Research Interests

Computer-Supported Cooperative Work, Environmental Informatics, Knowledge Infrastructure, Science of Science, STS

Professional Experience

CEO & Co-Founder

METADATA GAME CHANGERS, LLC

Boulder, CO

Nov 2020 - Present

Executive Director

EARTH SCIENCE INFORMATION PARTNERS (ESIP)

Boulder, CO & National

Nov 2014 - Sep 2020

Information and Virtual Community Director

EARTH SCIENCE INFORMATION PARTNERS (ESIP)

Boulder, CO & National

Nov 2010 - Nov 2014

Research Assistant

CENTER FOR AIR POLLUTION IMPACT AND TREND ANALYSIS (CAPITA), WASHINGTON UNIVERSITY IN ST. LOUIS

St. Louis, MO

Jun 2006 - Nov 2010

Publications

For all publications see my Google Scholar Profile

Papers

- 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. <https://doi.org/10.1002/ece3.11341>
- 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 (1). 22(1), Article 1. <https://doi.org/10.5334/dsj-2023-026>
- Robinson, E., Buys, M., Chodacki, J., Garza, K., Monfort, S., Nancarrow, C., Praetzellis, M., Riley, B., Wimalaratne, S., & Davies, N. (2022). FAIR Island: Real-World Examples of Place-based Open Science. *Zenodo*. <https://doi.org/10.5281/zenodo.7384146> (Accepted to Gigascience)
- Stall, S., Yarmey, L., Cutcher-Gershenfeld, J., Hanson, B., Lehnert, K., Nosek, B., ... E. Robinson & Wyborn, L. (2019). Make scientific data FAIR. *Nature*, 27-29, <https://doi.org/10.1038/d41586-019-01720-7>.
- Wilson, Anne, 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.
- Robinson, E., Meyer, C. B., & Lenhardt, W. C. (2012). Moving the science data quality dialogue forward. *Eos, Transactions American Geophysical Union*, 93(19), 189–189.

Posters (Peer Reviewed)

- 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, 160–163. <https://doi.org/10.1145/3584931.3606982>

Conference Presentations (Light peer review, invited noted with *)

- Davies, N., & Robinson, E. (2024). 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. AGU24.
- Wyborn, L. A., Robinson, E., Farrington, R., & Rawling, T. (2024). Improving Practices for Persistently Recording the CARE Principles for Collections of Place-based Research Samples, Observations and Instrument Measurements. AGU24.
- Robinson, E., Anderson, J., Buttigieg, P. L., Choe, S., Davies, N., Kansa, E. C., ... & Lehnert, K. (2024). Sampling Nature: Looking to the Future for AI-ready Samples. AGU24.
- * 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 14) (Invited Union Session). 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. In AGU Fall Meeting Abstracts. <https://doi.org/10.5281/zenodo.10381317>
- Lowndes, J. S. S., Robinson, E., Lind, B. M., Steiker, A. E., Lopez, L. A., Friesz, A., ... & Shriver, S. (2023). NASA Openscapes approaches and stories of kinder, open science in the Cloud. AGU23.
- Friesz, A. M., Viridi, M., Lind, B. M., Lowndes, J. S. S., & Robinson, E. (2023). Community building across government and responding to researcher needs with the NASA Openscapes framework. AGU23.
- Kempler, L. A., Lopez, L. A., Wen, Y., Cornillon, P., Lowndes, J. S. S., Robinson, E., & Hepplewhite, C. L. (2023). Accessing NASA Earthdata in the Cloud: Experiences Using MATLAB on NASA Openscapes' 2i2c JupyterHub. AGU23.
- Lind, B. M., Tagliatela, C. M. O., Nickles, C., Friesz, A. M., Hunzinger, A., Thornton, M., ... E. Robinson & Lowndes, J. S. S. (2023, December). Enabling Analysis in the Cloud Using NASA Earth Science Data. In AGU23. AGU.
- Robinson, E., Anderson, J., Hudson, M., Meyer, C., & Davies, N. (2022). Island Sampling: Applying the FAIR and CARE Principles to Material Samples in Support of Place-based Sustainability Science. In AGU Fall Meeting Abstracts.
- * Lowndes, J., Robinson, E. (2021). (Invited Union Session) Open Project Design: Lessons from the NASA Openscapes Framework. In AGU Fall Meeting Abstracts
- * Robinson, E. (2020). (Invited Award Lecture) AGU Leptoukh Lecture: Putting Data to Work: Moving science forward together beyond where we thought possible. In AGU Fall Meeting Abstracts.
- * Robinson, E. (2019a). (Invited Union) Invited panelist. In AGU Fall Meeting Abstracts.

Other Presentations (non-archival)

- Habermann, T., & Robinson, E. (2025). ConnectingPIDS.pptx. ESIP January 2025. <https://doi.org/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. <https://doi.org/10.6084/M9.FIGSHARE.28208174.V1>
- Habermann, T., & Robinson, E. (2024). WhatCameFirst: The Paper Or the Data. ESIP. <https://doi.org/10.6084/M9.FIGSHARE.25139354>
- Robinson, E. (2024). Sampling Nature RCN Poster. ESIP. <https://doi.org/10.6084/M9.FIGSHARE.25049909>
- Robinson, E., Buys, M., Chodacki, J., Davies, N., Meyer, C., Praetzelis, M., & Wimalaratne, S. (2024, January 25). FAIR Island: Planning for FAIR & CARE Data Before the Field Work Begins. In ESIP January 2024 Meeting. https://docs.google.com/presentation/d/1CeBYTE-w6YfhR-b9dmHO8NeSiuySZ_XO/edit#slide=id.p1
- 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 at OBFS 2023 Meeting. https://www.canva.com/design/DAFtxwfJGWk/hYvKzllMTvk1rEEe5CsDMQ/watch?utm_content=DAFtxwfJGWk&utm_campaign=designshare&utm_medium=link&utm_source=editor
- Robinson, E., Palen, L. (2023, November). Invisible Coordination Work: Field Stations as Scientific Caregivers. Lightning Talk at OBFS 2023 Meeting. https://www.canva.com/design/DAFsGp_Hujk/zGm1io7ohThl2ogK7OR8-Q/view?utm_content=DAFsGp_Hujk&utm_campaign=designshare&utm_medium=link&utm_source=editor
- Robinson, E. (2023, November). Autoethnographic Anecdotes on Scientific Caregiving with Environmental Data: A Way Toward Data-Enabled Sustainability? Workshop paper. CSCW 2023
- Robinson, E., Buys, M., Chodacki, J., Davies, N., Meyer, C., Praetzelis, M., & Wimalaratne, S. (2023, July). Project Metadata and Ongoing Re-curation: Tracking the impact of field station research. In ESIP July Meeting. https://docs.google.com/presentation/d/1YMfPmJ6jOAYRKs_ehnGn77-Ln_kJpL_5ZUzTulE0a6s/edit#slide=id.p1
- Robinson, E., Anderson, J., Hudson, M., Meyer, C., & Davies, N. (March 2023). 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.
- Robinson, E., Chodacki, J., Davies, N., Buys, M., Nancarrow, C., Praetzelis, M., Garza, K., Wimalaratne, S., & Habermann, T. (2022, October 26). The FAIR Island Project: Tracking the impact of field station research. <https://doi.org/10.5281/zenodo.7308803>
- Robinson, E., Praetzelis, M., Davies, N., Garza, K. (2021) FAIR Island: Networked, Machine-Actionable DMPs for Open Science. In 2021 Webinar Series Highlighting RDA Outputs

Awards & Honors

CMCI Scholarship

UNIVERSITY OF COLORADO, BOULDER

2024

CMCI Scholarship Award from the Ernie and Jean Martin Graduate Fund

UNIVERSITY OF COLORADO, BOULDER

2023

Leptoukh Lecture Award

EARTH AND SPACE SCIENCE INFORMATICS 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

GEOINFORMATICS DIVISION, GEOLOGICAL SOCIETY OF AMERICA (GSA)

2020

- “Honors an individual who has contributed in an outstanding manner to geology through the application of the principles of Geoinformatics”

NASA Exceptional Public Service Medal

NASA

2020

- “For exceptional, sustained, and creative community building among NASA and its collaborators, significantly enhancing NASA investments in data, technology, and applications.”

Grants

Additional funding from past positions can be found on my ORCID profile

SEEKCommons Fellowship

SEEKCOMMONS RCN FUNDED BY NSF AWARD # 2226425

Jan 2024 - Oct 2024

EAGER: The FAIR Island Project for Place-based Open Science

NATIONAL SCIENCE FOUNDATION

2021 - 2024

- Co-Principle Investigator (PI: John Chodacki, California Digital Library; Co-I: Neil Davies, UC Berkeley, Gump Field Station; Co-I: Matt Buys, DataCite)
- \$296,234 (Robinson: \$121,440.00)

Openscapes: Enabling a new era of science on the cloud in response to the 2020 NASA

ROSES Element E2

NASA

2021 - 2024

- Consultant (PI: Julia Lowndes, UC Santa Barbara)
- \$900,000 (Robinson: \$273,071)

Teaching Experience

Instructor

Moorea, French Polynesia

UNIVERSITY OF CALIFORNIA, BERKELEY

Mar 2025

- Island Sustainability Program, Data Science, Communication, and Professionalism (ESPM 109E) course

Instructor

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UNIVERSITY OF CALIFORNIA, BERKELEY

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Instructor

Moorea, French Polynesia

UNIVERSITY OF CALIFORNIA, BERKELEY

Mar 2023

- Island Sustainability Program, Data Science, Communication, and Professionalism (ESPM 109E) course

Grader

Boulder, CO

UNIVERSITY OF COLORADO, BOULDER

Spring 2023

- INFO 4608: Mastery in Information Science: Community-Based Design
- Instructor: Dr. Ricarose Roque

Grader

Boulder, CO

UNIVERSITY OF COLORADO, BOULDER

Fall 2023

- INFO 2131: Information Ecosystems
- Instructor: Dr. Leysia Palen

Grader

Boulder, CO

UNIVERSITY OF COLORADO, BOULDER

Fall 2022

- INFO 2131: Information Ecosystems
- Instructor: Dr. Leysia Palen

Volunteer/Service

University Service

- Teaching Faculty Hire Committee (2024)
- INFO GSA, Treasurer (2022-2023)
- GPSG Liason to the Library Review Board (2021-2022)

Reviewing Work

- CHI 2024
- CSCW 2022, 2023, 2024, 2025
- NSF 2023, 2024

Workshops and Session Convening

- iSamples Workshop, Feb 2025, Moorea, French Polynesia
- SEEKCommons Annual Convening, December 2024, Berkeley, CA
- Island Health and Sustainability Conference, November 2024, Moorea, French Polynesia
- IMLS FAIR+CARE Workshop, October 2024, Marin, CA
- Sampling Nature Research Coordination Network Workshop, May 2024, Washington, D.C.
- Robinson, E., Adler, J., Wyborn, L. A., Smith, D. K., & Damerow, J. E. (2023, December). Preserving Our Primary Field Data for Future Generations of Geoscientific Research: Perspectives on Managing Physical Samples, Airborne Observations, and Other Field Data I Oral. In AGU23.
- Sampling Nature Research Coordination Network Workshop, Dec 2023, New York City, NY
- Sampling Nature Research Coordination Network Workshop, May 2023, Tucson, AZ

Other Memberships

- OBFS (2023-Present)
- CSCW 2023 Registration Chair, Organizing Committee
- OpenAQ Board, Treasurer and Member (2022-present)
- ACM SIGCHI (2021-present)
- Research Data Alliance (2018-present)
- American Geophysical Union (2006-present)
- Earth Science Information Partners (2006-present)

Additional Credentials

Sustainable and Digital Transformation PhD Course

AALBURG UNIVERSITY

Remote

2024

- <https://www.en.tech.aau.dk/research/research-groups/centre-for-sustainable-and-digital-transformation>

NASA Open Science

NASA

Online

2024

- <https://www.credly.com/badges/5ec9bece-6911-471f-a45b-918a2efa9eaa>

Certified Carpentries Instructor

CARPENTRIES

Online

2023

Research Data Bootcamp Badge

UNIVERSITY OF COLORADO, BOULDER

Online

2021

- Data Bootcamp Project: Recreate key findings from 'State of Open At University of Colorado Baseline report'

Associate Certified Coach

INTERNATIONAL COACHING FEDERATION

Online

2021

- Renewed 2024

Social Behavioral Research Investigators and Key Personnel

CITI

Online

2021

- Renewed 2024

Social and Behavioral Responsible Conduct of Research

CITI

Online

2021

- Renewed 2024