



Erin Robinson

GRADUATE STUDENT | CONSULTANT

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Research Interests

1. Use and stewardship of Earth science data through information infrastructures
2. Computer supported cooperative work
3. Scientific collaboratories to support data sharing and coordination

Education

Ph.D., Information Science (in progress)

UNIVERSITY OF COLORADO, BOULDER

Boulder, CO

Aug. 2021 - Present

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

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

Additional Credentials

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

Social Behavioral Research Investigators and Key Personnel

CITI

[Online](#)

2021

Social and Behavioral Responsible Conduct of Research

CITI

[Online](#)

2021

Awards & Honors

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

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)

Selected Publications

For all publications see my Google Scholar Profile

Papers (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>
- 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.

Conference Presentations – Invited Presentations (peer reviewed)

- Robinson, E. (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.
- Robinson, E., Benedict, K., Daniels, M. (2019b). (Invited Union Session) Making Data Matter: Increasing the Use and Value of Earth science Data & Information. In AGU Fall Meeting Abstracts.
- Robinson, E. (2015a). (Invited) Community Resilience, the Foundation for Earth Science and the ESIP Federation: Bouncing Forward with Collective Impact. In AGU Fall Meeting Abstracts.
- Robinson, E. (2015b). (Invited) Transforming networking within the ESIP Federation using ResearchBit. In AGU Fall Meeting Abstracts.

Other Presentations (non-archival)

- Robinson, E., Chodacki, J., Davies, N., Buys, M., Nancarrow, C., Praetzellis, 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., Praetzellis, M., Davies, N., Garza, K. (2021) FAIR Island: Networked, Machine-Actionable DMPs for Open Science. In 2021 Webinar Series Highlighting RDA Outputs

Service

Committee Work

- INFO GSA, Treasurer (2022-2023)
- OpenAQ Board, Treasurer and Member (2022-2025)
- National Academy of Science Gulf Data, Analytics, and Impact Planning Committee, Member (2021)
- USGS National Geological and Geophysical Data Preservation Program Long-range Planning Working Group, Member (2021)
- CU EarthLab External Advisory Committee (2019-2020)
- AGU Data Management Assessment Advisory Board, Chair (2017-2020)

Reviewing Work

- CHI 2024
- CSCW 20223

Other Memberships

- OBFS (2023-Present)
- ACM SIGCHI (2021-present)
- Research Data Alliance (2018-present)
- American Geophysical Union (2006-present)
- Earth Science Information Partners (2006-present)