



# 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

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### 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

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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

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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

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### Committee Work

- INFO GSA, Treasurer (2022-2023)
- OpenAQ Board, Treasurer and Member (2022-2025)

### 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)