Community & Natural Resource Institute
2021-2022 Summary & Progress Report
Introduction

The Community and Natural Resources Institute (CANRI) at Utah State University serves as a 'gathering place' for faculty and students committed to interdisciplinary research and engagement related to human and community dimensions of natural resource issues and environmental problems.

CANRI is made up of faculty, students, and staff from USU Departments of Sociology & Anthropology, Environment & Society, Applied Economics, and Landscape Architecture & Environmental Planning.

CANRI, previously named the Institute for Social Science Research on Natural Resources (ISSRNR), builds on 55 years of excellence in applied natural resource and environmental social science research and engagement.

CANRI emphasizes a diverse 'tool kit' of methods for research and engagement that help to better understand and address some of the critical issues in human-environment interactions.

CANRI research and engagement spans a diverse range of focal areas, locations and scales.

CANRI hosts opportunities throughout the year for exchanging ideas and networking.

We encourage you to explore this report to learn more about CANRI activities from 2021 and 2022!
We are grateful to our predecessors, Dr. Richard Krannich and Dr. Wade Andrus who led the way in establishing our institute as a respected source of research and engagement on critical issues related to communities and natural resources in the Intermountain West and beyond.

Building on ISSRNIR's longstanding success, CANRI's faculty, students, and staff work on projects funded by local, state, national, and international agencies and entities. We seek to provide accessible information and give voice to those who's experiences better help us understand dynamic relationships between people and natural resources and the landscapes they call home.

We are lucky to have the opportunity to gather with great people through CANRI's efforts!

Jessica Ulrich-Schad
CANRI Director

Courtney Flint
Associate Director
2021-2022 Accomplishments

CANRI faculty, students, and staff have been very productive in recent years! Details on these accomplishments can be found in an appendix at the end of this report.

93+
Peer-Reviewed Publications
CANRI faculty, staff, and students have published at least 93 peer-reviewed journal articles in 2021 and 2022 in a range of disciplinary and interdisciplinary, high-impact journals.

42+
Book Chapters & Other Publications
CANRI faculty, staff, and students have published at least 13 book chapters, 22 other publications, and 7 white papers and Extension publications in 2021 and 2022.

40+
Courses Taught
CANRI faculty have taught at least 40 courses in the past two years to guide the development of undergraduate and graduate students at USU.

43+
Invited Presentations
CANRI faculty have been invited to give at least 43 presentations around the U.S. and the world in 2021 and 2022.
Invited Speakers

CANRI prioritizes bringing in speakers from academic and non-academic institutions to enhance our understanding of important issues. We also highlight our own faculty and students to help build our professional relationships and shared experiences.

Not pictured: Dr. Anjali Mulchandani, University of New Mexico; Dr. Judson Finley, USU; Dr. Dan Williams, U.S. Forest Service; Dr. Kirsten Vinyeta, USU.
CANRI Students

CANRI has a strong team of undergraduate and graduate students with a wide range of research interests. Here is what a few of them are currently working on:

Kirsten Koci’s current research focuses broadly on rural mental health. She works with Drs. Schad and Flint. She explores how mental health and wellbeing vary throughout the state Utah, how residents and leaders in different types of rural natural resource dependent communities perceive mental health in their community, and what Extension faculty see as barriers to and needed solutions or resources for addressing mental health in rural places.

Casey Trout is currently working with Drs. Jordan Smith and Wayne Freimund on the creation of Utah’s Outdoor Recreation Strategic Plan. Her work includes assisting with regional stakeholder workshops, documenting funding mechanisms for outdoor recreation, and conducting a comparative analysis regarding how outdoor recreation management in Utah compares to other western states.

Elizabeth Bennett is currently working on preliminary research for her dissertation. Using public intercept surveys and semi-structured interviews, she is exploring the impact that increasing ownership of ranchlands by high net worth individuals has on communities and ranchers in southwest Montana. She is working with Dr. Jessica Schad.
Alex Theophilus is working with Drs. Flint and Schad studying wellbeing across rural-urban gradients as a part of the interdisciplinary Transformation Network. Through community participation and empowering stakeholders, the USU Transformation Network team hopes the research can aid guided transformations that build equitable resilience.

Zubair Barkat's research examines the environmental and decision-making factors associated with ranchers' intentions to adopt new practices and their relative importance. He is working with Dr. Jessica Schad on the Smart Foodscapes Project (https://www.usu.edu/smart-foodscapes/).

Sarah Wilson works with Dr. Courtney Flint on the Utah Wellbeing Project. Her thesis work focuses on how community connection and connection with nature influence wellbeing in the context of Utah’s rapid population growth.

Kwaku Opoku-Ware is using Jupyter Notebooks and QGIS in his case studies of dam-inundated areas, in which critical infrastructures, vulnerable populations, and ecosystem datasets are investigated. He is working with Dr. Courtney Flint.
Social Events

At CANRI we like to get together (often outside) to get to know each other and our work a little better. We have done fall socials at the Stokes Nature Center, a fall hike to look at the changing leaves, winter snowshoeing, and a happy hour.
CANRI Goals

Building on our current momentum, we hope to provide continued opportunities to gather together and support CANRI-related activities!

**Short-Term**
- Host a CANRI Symposium
- Continue Social Events and Speaker Series
- Keep Building Community of Students and Faculty

**Medium-Term**
- Sustained Funding for Research, Engagement & Graduate Student Travel

**Long-Term**
- Host a Summer Field School


CANRI Welcomes Support

CANRI seeks to support the work of affiliated faculty, staff, and students. We would love to be able to provide small grants to support graduate student research and conference travel and to continue to provide gathering spaces and occasions for sharing ideas and insights on community and natural resource issues in the Intermountain West and beyond. We would very much appreciate your support!

- **$25** Provides Hot Chocolate for CANRI Winter Snowshoe Hike
- **$50** Provides Snacks for a CANRI Seminar
- **$100** Helps to Build Small Grant Program to Support CANRI Research
- **$500** Helps Send a CANRI Graduate Student to a Professional Meeting
Upcoming CANRI Events

January 11th (6-8 p.m.)
Viewing of film Inhabitants: Indigenous Perspectives on Restoring Our World followed by a discussion featuring Darren Parry, Shoshone Tribal Leader and USU faculty

January 17th (11:45-12:45)
Lunch & Learn with Dr. Stacia Ryder (USU), "Feminist & Intersectional Approaches to Environmental & Climate Justice"

TBD
Snowshoe & hot chocolate at Green Canyon

We thank everyone for continued involvement and support of CANRI efforts!

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• Silver, S., Covard, F., Davies, K., Elliott, S., Jenkins, E., Newton, A. C., Freeman, J., ... & Williams, A. (2022). Developing transdisciplinary approaches to sustainability challenges: The need to model socio-environmental systems in the longue durée. Sustainability, 14(11), 10234. https://doi.org/10.3390/su141110234


White Papers, Extension Publications, Other Publications, and Media

- Brunson, M. Chapter author, 5th National Climate Assessment, focusing on human dimensions of agriculture and wildfire in the southwest United States and California

- Cohen, A. 2022. Interview about lidar and ethics for Wissenschaft im Brennpunkt: Science in Focus, Deutschlafunk (German Public Radio).


- Klin, S. Spring 2021. Created StoryMap of the Boa Ogol project in Spring 2021 as part of the WSC grant proposal and public outreach efforts, viewed over 765 times