Highlighting
Student
Perspectives &
Research at the
2023 Ecological
Society of America
Conference (ESA)

Haley Netherton-Morrison



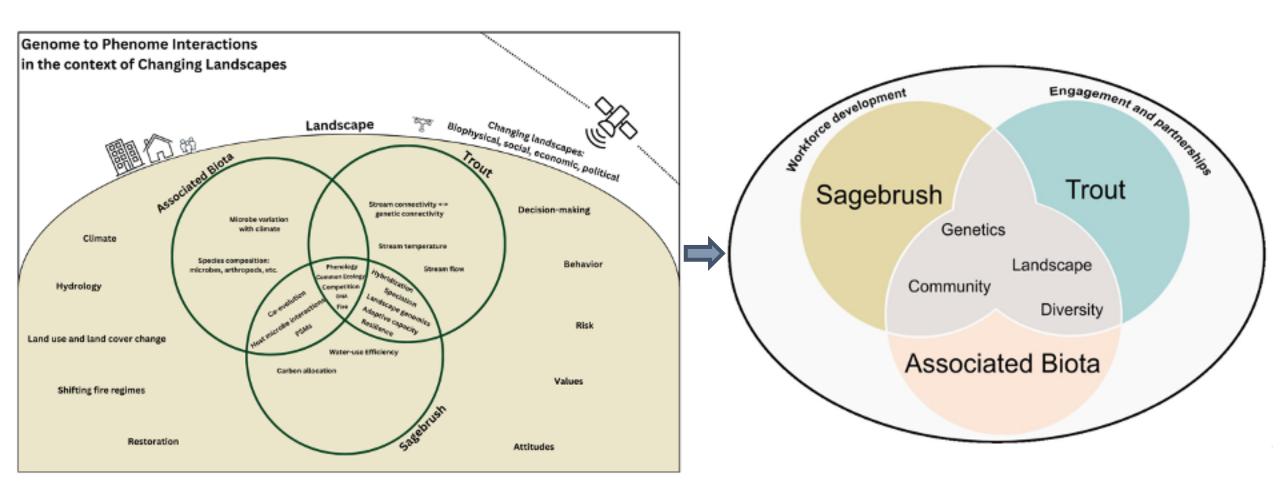
2022 Fall Student Retreat

Participants:

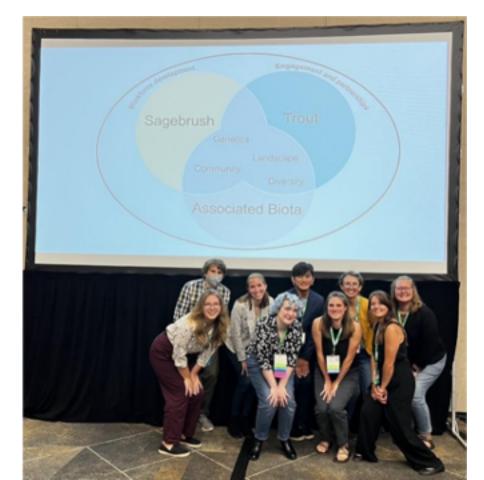
BSU – Adedotun Arogundade, Arden Engel, Carlos Dave Dumaguit, Haley Netherton-Morrison, Jacob Heil, Meg Dolman, Ryan Wickersham, Tao Huang ISU – Adam Zambie, Allegra Sundstrom, Danielle Trawick, Kyle Rufo, Treyton Harris UI – Molly Garrett



Mapping Student Research



Collaboration and Integration Across Scales, Species, and Studies: Graduate Student Perspectives



Session Speakers:

Meg Dolman (BSU)
Carlos Dave Dumaguit (BSU)
Jacob Heil (BSU)
Jessica Bernardin (BSU)
Kaitlyn Opland (BSU)
Harrah Friedlander (UI)
Molly Garrett (UI)
Carlie Sharpes (UI)
Haley Netherton-Morrison (BSU)



Collaboration and integration across scales, species, and disciplines: Student perspectives

Meg Dolman PhD Candidate, Boise State University Session Co-organizer







A genome to phenome investigation in the sagebrush steppe

Collaborator Count: 15



CO, 3000, MS/N, plant LS2 https://doi.org/10.1005/g/journel/Sect.101 Advance Acress Publication State: 91 May 2000 Granum Report

A haploid pseudo-chromosome genome assembly for a keystone sagebrush species of western North American rangelands

Department of Sological Sciences, Solar State University, Bolan, E-6025, USA

Fromi and Kangeland Longston Librara Carter, United States Cardington Survey, Brits, ID-8379, E

Negal Bosoic Garden, Richmond TWF SAC, UK,

Treatment (Institute de Barcelona (INE, CDC Agustament de Barcelona), Barcelona (INEE, Spain

*Companding author Department of Biological Sciences, Some State University, Stone, IS-ESTA, USA, Small and companish of Biological Sciences, Some State University, Science, IS-ESTA, USA, Small contract additional community.

Carlos Dave Dumaguit

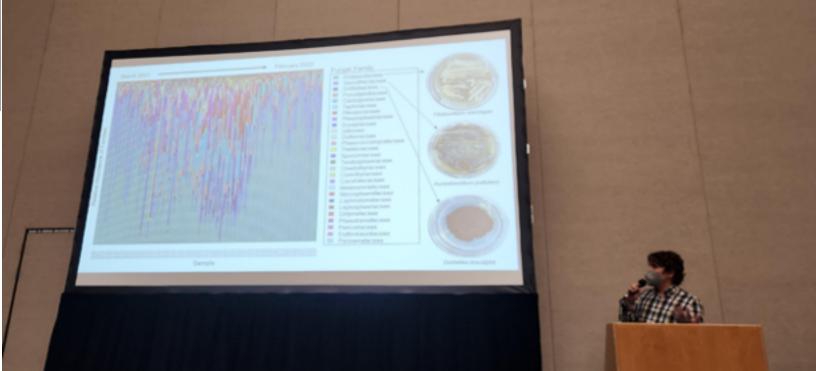
MS Graduate, Boise State University Current: PhD Student, University of Utah Session Co-organizer



A microscopic year: Change in a sagebrush microbiome over time



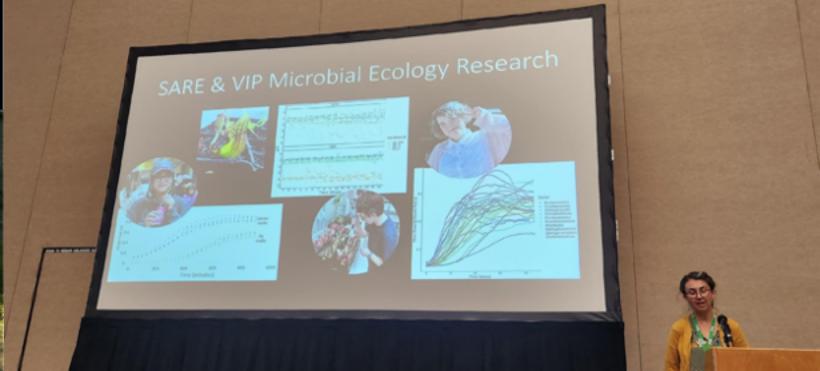
Jacob Heil
PhD Candidate, Boise State University
Session Co-organizer



Interdisciplinary teams tackling complex challenges: An example from undergraduate training and research

Jessica BernardinPhD Candidate, Boise State University





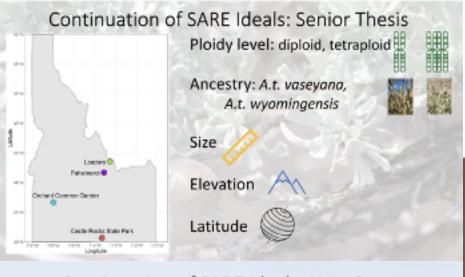
Observing local adaptation of sagebrush to soil microbes: An undergraduate's opportunity



Kaitlyn OplandBS Graduate, Boise State University



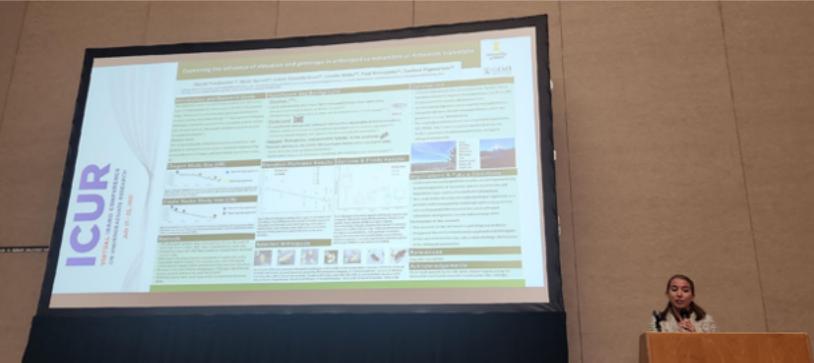
Reflections of an undergraduate researcher in collaborative science



Continuation of SARE Ideals: Next Steps

Harrah Friedlander

BS Graduate, University of Idaho Current: PhD Student, The University of Queensland



Exploring mechanisms behind team science and community interactions

Molly Garrett

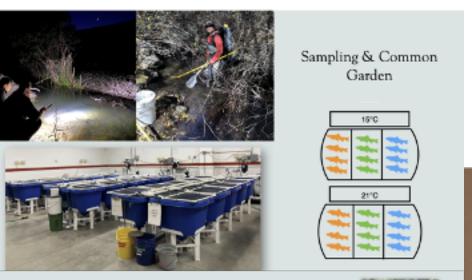
PhD Candidate, University of Idaho

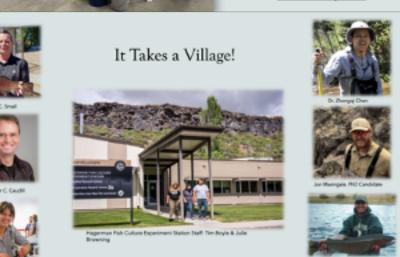
Session Co-organizer



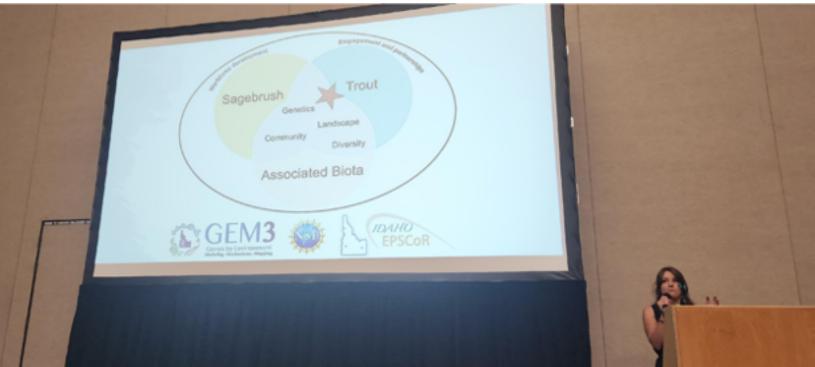


Synergy among scientists aids synergism study: redband trout resilience facing hypoxic and thermal stress

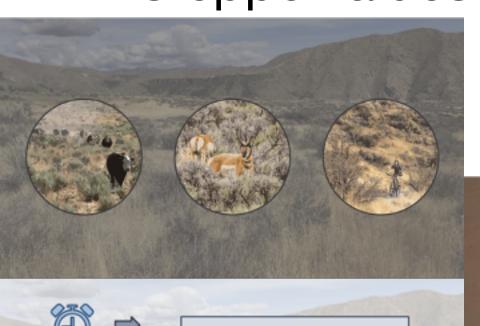




Carlie Sharpes MS Graduate, University of Idaho Current: Aquaculturist, The Klamath Tribes



Leveraging stakeholder and community partner engagement to better understand sagebrush steppe values and management concerns





Haley Netherton-Morrison
PhD Candidate, Boise State University
Session Organizer





Molly Garrett (UI) - Development & evaluation of genetic monitoring tool for threatened ground squirrel



Jessica Bernardin (BSU) - Microbial communities with different functions influence leaf size and nutrients



Haley Netherton-Morrison (BSU) - Public attitudes toward sagebrush steppe management

Adedotun Arogundade (BSU) -

Characterization & functional profiling of sagebrush leaf microbiome using host-sequence data

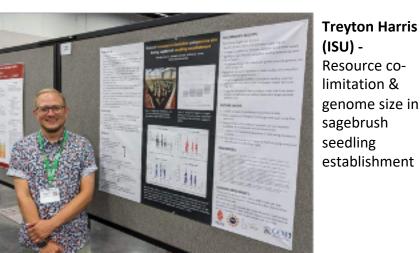
GEM3 Student Voices at ESA

Arden Engel (BSU)

Soil moisture influence on fungi inoculum to improve sagebrush restoration success



Ryan Wickersham (BSU) - Estimates of sagebrush success using remote sensing & machine learning



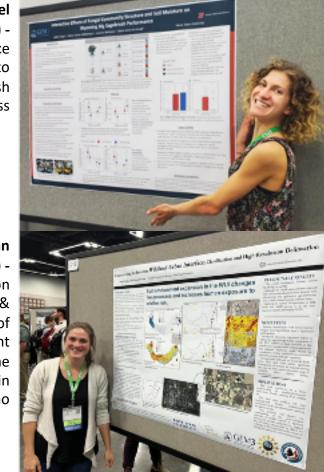
(ISU) -Resource colimitation &

genome size in sagebrush seedling establishment



Meg Dolman (BSU) -

High-resolution delineation & classification of built environment expansion in the fire-prone WUI in southern Idaho



Reflections from ESA

"Both attending this conference and participating in this session enabled me to get good experience presenting oral presentations, making new contacts with the wider scientific community, and the ins and outs of proposing a session at a national conference."

"The ESA Symposium was such a fulfilling way to end my graduate experience in GEM3...I feel we accomplished our goal of creating a sense of community as we worked together and made lasting friendships."

"We supported each other throughout this process and displayed this immense support at ESA in the form of attending each other's poster and presentation sessions outside of our own student-led session."

"In a way, this was similar to a culminating project or capstone, embodying my journey: how from my undergraduate research career all the way through a successful graduate thesis and defense, the GEM3 community has scaffolded me with mentors, resources, finances, and experiences that continue to shape how I carry myself as a learner and researcher."

"We worked together to connect our results with each other and it really painted the bigger picture of our interconnected research...As incredible as it was to attend the conference it was even more rewarding to see all of our efforts come together in one final presentation session!"

"[Presenting my research] helped me not only learn but build great connections for future endeavors."

Thank You!

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Tami Noble

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Tyler Breech



