



February 20, 2023

Hi all-

The big event of the week is the Front Range Student Ecology Symposium (FRSES) on Thursday and Friday. It's going to be cold Thursday - come warm up with the GDPE community and some great science at the afternoon workshop and poster session!

We also have a super short student survey out [here](#). Students: please complete it by the end of the day tomorrow (Tuesday the 21st). It will help us to continue to improve and fund our program. Thank you!

[Travel and training grant proposals](#) are due next Tuesday. Given the busy end of the week, don't put off getting those put together. It's also defense season. Mark your calendars to be able to come out and support Sarah Whipple and Bucky Buchholz on March 2nd. Details below.

Best,  
Ruth

Our next DE speaker: [Dr. Emily Stanley](#) will be sharing thoughts on "Ecological frontiers: looking back to look forward" on March 22.

Don't forget to check out the [GDPE Events Calendar](#) for other upcoming activities!



## GDPE EVENTS & ANNOUNCEMENTS

Congratulations to Anna Wright (current GDPE student) and Erika Pierce (GDPE alum) for their selection as Presidential Management Fellow finalists! The PMF Program is a prestigious two-year fellowship at a Federal agency with the mission of recruiting and developing a cadre of future government leaders from all segments of society.

The list of finalists can be found [here](#).



Please join your fellow graduate students in our upcoming **hybrid** GDPE Town Hall Meeting. Your GDPE Student Representatives have

**Town Hall Meeting**

LUNCH PROVIDED!

FEB 23 | 1:00 PM  
Lory Student Center  
Grand Ballroom

SCAN TO RSVP

come together to organize this opportunity for the GDPE community to gather and discuss the various things happening within GDPE. This will be a chance for all the reps to share what has been discussed and decided on within each committee, receive feedback from the student body, and discuss any future ideas and plans. [RSVP here](#)

GDPE Event Calendar

Student Defenses

PhD Defense Seminar

Sarah Whipple

*Where have all the pollinators gone? An analysis of the shifts in climate and phenology that have altered pollinator diversity in the Greater Yellowstone ecosystem*

March 2, 2023  
9:00 am MT

Laurel Conservation House Rm 113  
222 W. Laurel St. Fort Collins, CO 80521  
[Zoom link](#)

WHERE HAVE ALL THE POLLINATORS GONE? AN ANALYSIS OF THE SHIFTS IN CLIMATE AND PHENOLOGY THAT HAVE ALTERED POLLINATOR DIVERSITY IN THE GREATER YELLOWSTONE ECOSYSTEM

SARAH WHIPPLE  
PHD DEFENSE SEMINAR  
MARCH 2, 2023, 9 AM MT  
ZOOM: [HTTPS://ZOOM.US/j/92010670662](https://zoom.us/j/92010670662)  
LAUREL CONSERVATION HOUSE RM 113  
(222 W. LAUREL ST FORT COLLINS, CO 80521)  
ADVISOR: GILLIAN BOWSER  
COMMITTEE: MEENA BALGORAL, PHILIP HALLIWELL, AND EMILY FISCHER.

DEADLINES

**GDPE Deadlines**

**February 28** - GDPE Travel & Professional Development Grants due

**Other Deadlines**

**March 2** - Deadline for SUMMER 2023 GRADUATES to apply for graduation and be listed in the Spring Commencement program.

**Graduate School**

If you plan on celebrating at the Graduate School Commencement Ceremony on May 12, you may order your cap, gown, and tassel in advance online via the [University Commencement webpage](#). The deadline for ordering regalia is March 28.

Please visit the [Graduate School Commencement webpage](#) for further details about preparing for your big day

Find all of the deadline details on the CSU Graduate School's website [here](#).


Find all of the registration details on the CSU Registrar's website [here](#).

ECOLOGY & CSU EVENTS

**Geospatial Workshop**

Learn to use Python scripting to automate geoprocessing and data management in ArcGIS Pro

with arcpy. Arcpy is the Python package created by Esri for ArcGIS and opens up a whole new world of possibilities for implementing GIS tasks. The workshop will be held this Wednesday, February 22nd from 1-4:30 in Morgan Library Room 174.




## Python for ArcGIS

Learn the basics of Esri's arcpy Python package to automate geoprocessing and data management in ArcGIS Pro

Wednesday, Feb. 22nd | 1 - 4:30pm  
Morgan Library Classroom 174

This workshop is intended for those who already know the basics of the Python language and are familiar with ArcGIS.

Visit the QR code or link below for details and registration, and info on our other workshops!  
[gis.colostate.edu/event](https://gis.colostate.edu/event)



## 29TH ANNUAL FRONT RANGE STUDENT ECOLOGY SYMPOSIUM


THURSDAY      FRIDAY

2-4PM: WORKSHOPS & PANELS  
4-5PM: KEYNOTE WORKSHOP  
5-7PM: POSTERS & NETWORKING

8:30-12PM: ORAL PRESENTATIONS  
12-1PM: LUNCH  
1-2:30PM: ORAL PRESENTATIONS  
3-4PM: KEYNOTE ADDRESS  
4-6PM: AWARDS AND RECEPTION



VISIT OUR SITE AT [FRSES.ORG](https://frses.org)

  CSU\_FRSES     [GDPE\\_FRSES@COLOSTATE.EDU](mailto:GDPE_FRSES@COLOSTATE.EDU)

### Participate in FRSES!

The Front Range Student Ecology Symposium (FRSES) will be hosted at the Lory Student Center February 23-24, 2023, with opportunities for all undergraduate and graduate ecology researchers. Our keynote speaker will be **Dr. Danielle Ignace**, an ecophysiologicalist, science communicator, and an advocate for Indigenous voices in STEM. Find out more about Dr. Ignace [at her website](https://frses.org). For more event information and to get involved, check out our website <https://frses.org> and follow us on Twitter [@CSU\\_frses](https://twitter.com/CSU_frses).

### Ecological Society of America 2023 Annual Meeting

ESA invites abstracts for contributed presentations (talks and posters) for the 2023 Annual Meeting, which will take place August 6-11 in Portland, Oregon. Abstracts are encouraged to address the meeting theme **ESA for All Ecologists** if appropriate but doing so is not necessary. Abstract submissions are **due this Thursday, February 23**. More information [here](#).

### Inclusive STEM Teaching Project

The Inclusive STEM Teaching Project is designed to advance the awareness, self-efficacy, and ability of STEM faculty, postdocs, graduate students, and staff to cultivate inclusive learning environments for all their students and to develop themselves as reflective, inclusive practitioners. Sessions will be held on Mondays March 6 - April 17 from 4:30-6. Learn more and register [here](#).

### Warner College of Natural Resources

If you are a GDPE student with an affiliation in the Warner College of Natural Resources, we want to make sure you are able to apply for WCNR scholarships. Academic Works is not able to allow GDPE students to submit their letter of recommendation, vita, etc. as part of the Warner College of Natural Resources application, so we would like to ask that you submit this information manually to my attention. You will still need to complete the CSU scholarship application (deadline is March 1, by 11:00 pm). Please email to my attention a PDF document which will include a letter of recommendation, your vita, a paragraph about how your degree will further your career upon graduation, and documentation of any assistantship you will have for the 2023-24 academic year. If you won't have an assistantship, there is no need to complete this. Please email the PDF to me by March 3. Please feel free to contact [Sharmini Nair](#) with any questions.

## Webinars

### **LGBTQ-Inclusive Education: Strategies for Research and Practice in Science and STEM**

Tuesday, February 21 | 10:00 - 11:30 AM

Across the United States, school-centered anti-LGBTQ laws are being passed in staggering numbers, impacting an estimated 25 million children. At a time where many LGBTQ students report feeling unsafe at school and a lack of supportive teachers and positive inclusive curricula in their classrooms, a significant education challenge is how to meet the needs of these students while addressing and dismantling the way the institutions of science and STEM education continue to uphold systems of oppression. In this Virtual Event, a panel of experts in the field of LGBTQ-inclusive STEM education will discuss current research trends in curriculum, teacher preparation, and student success and well-being. Participants will have the opportunity to brainstorm research applications to practice and consider ways to contribute to LGBTQ-inclusion in their work. Register [here](#).

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### **ESA Black History Month Event**

Friday February 24 | 1:00 PM

Join ESA's Black Ecologists Section for this event held in honor of Black History Month. All are welcome to attend. The agenda is to watch the first episode of Nicole Hannah-Jones's \*1619 Project\* (on Hulu), then hold a discussion on the episode and the state of race relations in the United States. Register [here](#).

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### **STEM Education: Productive Tensions Between Disciplinary and Transdisciplinary Reasoning and Practice**

Thursday, March 2 | 2:00 PM

Australia STEM Education has become widely advocated globally, spurred in part by nations' concerns for the wealth creation implications of a STEM-literate citizenry. In Australia as elsewhere, many local models of STEM Education have developed in the absence of clear policy framings around its disciplinary/interdisciplinary character. In this webinar, Professor Tytler will draw on a STEM Country Comparison study from 2014, and more recent research into significant Australian STEM initiatives, to explore the drivers for STEM and the tensions created between disciplinary and interdisciplinary epistemological framings, and between distinctive subject pedagogies. They will argue that interdisciplinary STEM represents both a challenge and an opportunity for science education. Register [here](#).

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### **ESA Statistical Methods Series: State-space Models and the Template Model Builder (TMB) R package**

Monday, March 6 | 10:00 AM

Marie Auger-Méthé from the University of British Columbia will present about State-space Models and the Template Model Builder (TMB) R package. Register [here](#).

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### **ESA Introducing the USGS Climate Research & Development Program**

Tuesday, March 7 | 2:00 PM

Want to know more about how researchers at the USGS are studying glacier mass balance change, or about how scientists are incorporating indigenous knowledge with paleodata to develop a more robust understanding of the past? Interested in knowing more about how land cover affects urban temperatures and nature-based solutions to climate warming, or about what the future of coastal wetlands in the U.S. may look like?

Dr. Ariana Sutton-Grier, the Program Coordinator for the Climate R&D program, will introduce the broad variety of climate and environmental change research supported by the program followed by

lightning talks from four program scientists, Drs. Caitlyn Florentine, Clarke Knight, Peter Ibsen, and Glenn Guntenspergen, about their respective research. There will be plenty of time for discussion and questions as well. Register [here](#).

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## Let us know about your recent publications!

We are trying to highlight the great and diverse science that our faculty and students are doing. If you have recently published an article, please fill out the form linked below and our SciCom Fellow, [Josie Otto](#), will add you to our new Recent Publications section above. We can also feature your work on our website!

*Please note that inclusion of events and publications in the Digest is not an endorsement by GDPE*

Share your Recent Publication or Research Highlight

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**We want your feedback!** Do you have comments or suggestions about how your GDPE experience can improve? Let us know! Contact your ExCom Student Representatives, [Mel Morado](#) and [Erin Weingarten](#) to provide your feedback.

**Stay in touch by tagging GDPE** in your posts and photos on Twitter (@CSU\_Ecology) and Instagram (@CSU\_GDPE). Use hashtags #GDPE and #CSU\_Ecology. We'd be happy to help highlight your research!

**GDPE Social Listserv** - Please make sure to sign up [here](#) for the GDPE Social Listserv to keep up with all the fun events we have planned this year!

**GDPE Slack Channel** - Join our GPDE Slack channel [here](#).

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Submit Photos

We want your photos! What are you up to, how is your field and lab work? Share them with us here.

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## GRANTS, FELLOWSHIPS, & JOBS

### Grant Announcement - Western North American Naturalist Proposal deadline March 17

Western North American Naturalist will award at least **5 individual potential authors a grant of up to \$2,500 each** to fund their natural history research. Our intent in providing this grant is to help authors who may not have adequate funding to complete their research in natural history. We especially encourage individuals who are at institutions of higher learning that do not focus on research but where research is still possible. More information [here](#).

### SoGES Sustainability Leadership Fellows program Deadline March 6

The School of Global Environmental Sustainability (SoGES) [Sustainability Leadership Fellows program](#) prepares future innovators and thought leaders with state-of-the-art science communication and career development training. Over the course of one year, Fellows develop new skills, interact with a wide variety of experts from different disciplines, and learn strategies to build successful careers that incorporate meaningful science communication, engagement, and

interdisciplinarity.

### **Dual LTE Natural Resource Research Scientist- Senior (Rhineland, WI)**

#### **Deadline March 7**

The Office of Applied Science within the Wisconsin Department of Natural Resources (DNR) seeks to hire 1 – 2 scientists to join the Large Carnivore and Elk Team. Our team has an assortment of exciting projects designed to directly inform wildlife management decisions in the state. The position will be based out of Rhineland, WI and can begin as early as May. More information [here](#).

### **Office for Undergraduate Research and Artistry (OURA) Mentored Scholars Matching Funds**

#### **Deadline March 10**

OURA is soliciting applications from faculty and graduate students looking to recruit undergraduate research/artistry assistants. Matching grants of up to \$1000 are available to faculty or their graduate students mentoring students in their research/artistry groups during the summer of 2023. More information [here](#).

### **USDA Biologist**

#### **Position open March 1-7**

The position is a non-research grade Wildlife Biologist/Support Scientist and is located at the National Wildlife Research Center (NWRC) Field Station in Barrigada, Guam. The program is multi-faceted and is directed at the reduction of wildlife damage as it relates to agriculture, human health and safety, public and private property, and natural resources.

[Submit Job Announcement](#)



**GRADUATE DEGREE  
PROGRAM IN ECOLOGY  
COLORADO STATE UNIVERSITY**



CSU Graduate Degree Program in Ecology | Colorado State University, Johnson Hall rm 102,  
Fort Collins, CO 80523-1021

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