



July 24, 2023

Happy Monday, GDPE!

The beginning of a new academic year marks the transition for several of our faculty and student representatives on the [Executive](#) and [DEI](#) Committees. We are so grateful to those who have served their term and committed their time to strengthen our program. We want to congratulate the new faculty and affiliate representatives who will join these committees this fall:

- Executive: Kathy Galvin, Anping Chen, Kyle Horton, Dane Blumenthal, Sara Bombaci, and Meagan Schipanski
- DEI: Caroline Havrilla and Gillian Bowser

If you're like me, you've already started to receive polls for scheduling lab meetings, seminars, and committee meetings this fall. As a reminder, our [Distinguished Ecologist Seminars](#) take place on Wednesdays from 4-5PM. We've sent Outlook Calendar invites for both our fall and spring seminars (10/4, 11/1, 2/21, 3/20, and 4/17) - please add these to your calendar so that you can attend and engage with our speakers and GDPE members!

Have a great week!

Josie Otto

GDPE Sci Comm Fellow



GDPE Event Calendar

GDPE EVENTS & ANNOUNCEMENTS



RSVP now for the GDPE Fall Picnic!

Join us for our annual Fall Picnic at City Park on **Thursday, September 7th** from 5-8PM. Food and drinks will be provided (including vegan and GF options). The final deadline to RSVP so we can get



GDPE Sports League

GDPE sports league events will be held on **Wednesdays @ 5:30pm**. We will try to plan all the activities mentioned in the poll but if anyone is itching to play something specific just let us know and we can try to set it up.

For more info, contact Kord Dicke (Kord.Dicke@colostate.edu).

ECOLOGY & CSU EVENTS



Society for Human Ecology (SHE) 2023 Conference

SHE 2023 “Sowing Human Ecological Futures: Vision, Justice, and Diversity” will be held **November 5-8th, 2023** in Tucson, Arizona.

The final deadline for abstract submissions is **July 31st, 2023**. Further information on Keynote Speakers, Submission Guidelines, Online Registration, Travel,

and Accommodations may be found [here](#).

American Geophysical Union 2023 Annual Meeting

AGU invites abstracts for contributed presentations (talks and posters) for the 2023 Annual Meeting, which will take place December 11-15th in San Francisco, California. The **deadline for abstract submissions is August 2nd** at 11:59PM EST. Click [here](#) for more details.



4th Annual SyncroSim 2023 User Conference

Save the date for the fourth SyncroSim user conference! SyncroSim 2023 will take place from **September 19-21st, 2023** at the Fort Collins Science Center.

The conference is designed for researchers, data scientists, policy

makers, and anyone interested in applying cutting-edge simulation modeling techniques to support decisions for complex ecological systems. [SyncroSim](#) is a versatile software platform for developing, running, and analyzing geospatial forecasting models.

Registration is open. Click [here](#) for more details.

Being in the Field Workshop Series

Being in the field is considered a capstone experience for undergraduate students in sustainability and environmental sciences, yet are such experiences inclusive? If so, which elements are critical to inspiring persistence for underrepresented groups?

This learning experience seeks researchers, experienced students, and novice students to participate in two workshops to explore aspects of inclusion in the field setting. Interested individuals may attend individually or as a research group with 1-2 students. While attending as a research group **is not required** it is encouraged.

Our fall workshop (with lunch!) will be held **October 6th** from 11-1 pm. [Register](#) early as the program participation is capped!



The poster for the 'Being in the Field Workshop Series' features a light blue background with a stylized mountain and a QR code. The title 'BEING IN THE FIELD' is in large, bold, teal letters, with 'WORKSHOP SERIES' in smaller orange letters below it. The text on the poster reads: 'We are recruiting sustainability and environmental science research teams to participate in a two-part workshop series focused on navigating issues of diversity and inclusion in the field. Interested researchers, experienced students, and novice students may attend individually or are encouraged to attend as a research group with 1-2 students. Lunch provided.' It also lists dates: 'Fall 2023: Oct 6th 11am - 1pm' and 'Spring 2024: TBD'. At the bottom, it says 'Finding your place in the field through inclusive practice' and 'REGISTER HERE' with a QR code. A small note at the bottom right states '*Program enrollment is limited!'.



GCC 2023

17th Graduate Climate Conference
Woods Hole, MA November 2-4

17th Annual Graduate Climate Conference

The GCC is an annual interdisciplinary climate conference **run by graduate students, for graduate students** featuring panel discussions, presentations, workshops, social events, and more. GCC highlights **climate research from a variety of disciplines within the physical, natural, and social sciences and humanities.**

This year, the event will be held at the Marine Biological Laboratory in Woods Hole, Massachusetts on **November 2-4th, 2023.** [Click here](#) to learn more about the event and to apply.

FALL 2023 COURSES

Visit our [Curriculum and Courses](#) page to learn more about what courses are offered each semester.

ECOL 592 Course Descriptions are listed on our website [here](#).

Students may submit Course Overrides, Late Registrations, or Course Petitions [here](#).

Course instructors and meeting locations can be found online in RamWeb.

GDPE

FALL 2023 COURSE OPTIONS

REQUIRED - ALL

ECOL 505: FOUNDATIONS OF ECOLOGY

REQUIRED - HEI ONLY

ANTH 530: HUMAN ENVIRONMENT INTERACTIONS

FUNDAMENTALS

ECOL 610: ECOSYSTEM ECOLOGY BZ 526: EVOLUTIONARY ECOLOGY

BZ 548: THEORY OF POPULATION AND EVOLUTIONARY ECOLOGY ESS 575: MODELS FOR ECOLOGICAL DATA

REQUIRED - PHD (2 COURSES), MS (1 COURSE)

ECOL 592 OPTIONS:
URBAN ECOLOGY

BIODIVERSITY IN WAR ZONES - CONFLICT, CONSERVATION, RECONCILIATION

MIGRANT ECOLOGY AND CONSERVATION

MULTIVARIATE ANALYSES IN COMMUNITY ECOLOGY

ELECTIVES

(NOT EXTENSIVE)

BZ 560: TEACHING AND COMMUNICATING SCIENCE

JTC 792E: CONSERVATION MARKETING

REQUIRED - ALL

ECOL 505: FOUNDATIONS OF ECOLOGY

LECTURE: T/R 11:00 - 11:50 AM

RECITATION: R 1:00 - 1:50 PM OR 3:00 - 3:50 PM

REQUIRED - HEI ONLY

ANTH 530: HUMAN ENVIRONMENT INTERACTIONS

LECTURE: R 2:00 - 4:50 PM

FUNDAMENTALS

ECOL 610: ECOSYSTEM ECOLOGY

LECTURE: T/R 9:30 - 10:45 AM

BZ 548: THEORY OF POPULATION AND EVOLUTIONARY ECOLOGY

LECTURE: M/W/F 1:00 - 1:50 PM

LAB: R 3:00 - 5:50 PM

BZ/BSPM 526: EVOLUTIONARY ECOLOGY

LECTURE: T/R 9:30 - 10:45 AM

ESS 575: MODELS FOR ECOLOGICAL DATA

LECTURE: T/R 8:00 - 9:15 AM

LAB: W 11:00 - 12:50 PM

REQUIRED - PHD (2 COURSES), MS (1 COURSE)

ECOL 592: URBAN ECOLOGY

LECTURE: T 12:00 - 12:50 PM

ECOL 592: BIODIVERSITY IN WAR ZONES - CONFLICT, CONSERVATION, RECONCILIATION

LECTURE: M 6:00 - 8:00 PM

ECOL 592: MIGRANT ECOLOGY AND CONSERVATION

LECTURE: T 3:4 PM

ECOL 592: MULTIVARIATE ANALYSES IN COMMUNITY ECOLOGY

LECTURE: M 1:15 - 2:30 PM

ELECTIVES

BZ 560: TEACHING AND COMMUNICATING SCIENCE

LECTURE: T/R 9:30 - 10:45 AM

JTC 792E: CONSERVATION MARKETING

LECTURE: T 3:00 - 5:50 PM

F 624: FIRE ECOLOGY

LECTURE: M/W TIME TBD

NR 510: ECOSYSTEM SERVICES - THEORY AND PRACTICE

LECTURE: M 1:00 - 3:30 PM

MIP 570: FUNCTIONAL GENOMICS

LECTURE: M/W 10:00 - 10:50 AM

LAB: F 10:00 - 11:50 AM

AREC 535: APPLIED ECONOMETRICS

LECTURE: T/R 2:00 - 3:15 PM

AREC 635: ECONOMETRIC THEORY

LECTURE: T/R 11:00 - 12:15 PM

ECOL 698: RESEARCH

INDEPENDENT HOURS

THIS LIST IS NOT EXTENSIVE. SEE WEBSITE FOR MORE DETAILS.



Image provided by Matt Hyde

Tourism-supported working lands sustain a growing jaguar population in the Colombian Llanos

Nature - June 2023

GDPE members **Matthew Hyde**, **Kevin Crooks**, and **Stewart Breck** used nine years of camera trap data and tourist observations to estimate survival, abundance, and probability of observation by tourists in Colombia. These were the first demographic estimates for jaguars on working lands and the first estimates in Colombia.

Grassland carbon-water cycling is minimally impacted by a photovoltaic array

Nature - July 2023

In their recent publication, GDPE members **Steve Kannenberg**, **Matt Sturchio**, and **Alan Knapp** found that in a semi-arid grassland located underneath an agrivoltaic array, grass photosynthesis was reduced by only about 6% and evapotranspiration by about 1%, despite a reduction in light availability by 38%.



Image provided by Matt Sturchio

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 Sci Comm 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

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 [Elizabeth Diaz-Clark](#) 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](#).

GPDE Student Teams Channel - Join our Teams Channel [here](#).

Submit Photos

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

JOBS, FELLOWSHIPS, INTERSHIPS

Assistant Professor in Coastal/Marine/Inland Water Remote Sensing and Geospatial Analysis

Deadline July 31, 2023

This is a 9 month tenure-accruing position that will be 30% teaching (College of Agricultural and Life Sciences) and 70% research (Florida Agricultural Experiment Station), available in the **School of Forest Fisheries and Geomatics Sciences, Institute of Food and Agricultural Sciences, at the University of Florida**. Research duties include developing a collaborative, internationally recognized and externally funded research program focused on applications of remote sensing, geospatial analytics, and visualization technologies to marine resource management. Click [here](#) for more details.

Postdoctoral Researcher in Amphibian Conservation at UC, Santa Cruz

Deadline August 1, 2023

The [Palkovacs Lab](#) in Coastal and Freshwater Ecology at the University of California, Santa Cruz (UCSC) is searching for a Postdoctoral Researcher to work on a project funded by the US Fish & Wildlife Service to use genetic data to track success of admixture propagation and translocation for the endangered, highly endemic Santa Cruz long-toed salamander (*Ambystoma macrodactylum croceum*). This project will use captive breeding to increase the genetic diversity of isolated populations and genetic monitoring to track the reproductive success of released animals. This novel approach represents a proactive conservation method to increase the resilience of this endangered species to climate change. This project is in partnership with the US Fish & Wildlife Service, California Department of Fish & Wildlife, NOAA Southwest Fisheries Science Center, and Ellison Conservation Center.

The postdoctoral researcher will receive salary and benefits according to the rate determined by the **University of California academic salary scales**. The project duration is three years, renewed annually. A start date of September 1, 2023 is preferred, with some flexibility given the short timeline. The position will be based at the UCSC Coastal Science Campus (in-person required).

To apply: Please submit a cover letter describing your relevant interests and experiences, CV, and contact information of three professional references.

Please direct informal inquiries to Eric Palkovacs (epalkova@ucsc.edu), John Carlos Garza (carlosjg@ucsc.edu), Regina Spranger (rsprange@ucsc.edu), and Chad Mitcham

(chad_mitcham@fws.gov).

Applicants with experience in amphibian husbandry, breeding, and population genetics are strongly encouraged to apply.

Fish Biologist – Student Trainee

Deadline August 4, 2023

The US Geological Survey (USGS) Great Lakes Science Center (GLSC) in Ann Arbor, Michigan is seeking a **graduate level student working towards a degree in Fishery Biology** to gain practical experience as a fish biologist trainee supporting fisheries research related to assessment and field studies in Lakes Michigan and Huron. As part of the USGS Pathways Career Interns program, the successful candidate will work under the guidance of GLSC PhD level research biologists in preparation for a USGS research career in Great Lakes fishery science. Research emphases of GLSC researchers include conservation and restoration of native fishes, invasive species dynamics, population dynamics of prey fishes that support top predators, and ecosystem function. Click [here](#) for more details.

Smith Fellows 2024 Call for Proposals

Deadline September 15, 2023

The Society for Conservation Biology is pleased to solicit applications for the David H. Smith Conservation Research Fellowship Program. These **two-year postdoctoral fellowships** provide support for outstanding early-career scientists who propose innovative ways to link conservation science and theory with policy and management. The Program supports and encourages Fellows to improve and expand their research skills while directing their efforts towards addressing conservation problems of pressing concern for the United States. Click [here](#) for more details.

Submit a 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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