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Division of Environmental Biology Virtual Office Hour

Opportunities for freshwater and marine environmental research

Please submit questions via the Q&A button available to you on Zoom.
Please set to "Send anonymously"

February 12, 2024

Welcome!
Division of Environmental Biology

NSF staff in attendance today:

- **Jayne Gardiner** – Ocean Sciences (GEO)
- **Laura Lautz** – Hydrologic Sciences (GEO)
- **Ricardo Letelier** – Ocean Sciences (GEO)
- **Robyn Smyth** – Ecosystem Science
- **Jeremy Wojdak** (host) – Population and Community Ecology
- **Chris Balakrishnan** – Systematics and Biodiversity Science

Facilitators – Christina Washington and Megan Lewis

DEB Virtual Office Hour

DEB Office Hours: second Monday of each month, 1-2pm Eastern

Upcoming Topics:

March 11: Translating foundational research and emerging technologies into communities through civic-engaged research

April 8: Opportunities for broadening the STEM community

May 13: CAREER Solicitation

June 10: Merit Review and How to Get Involved with NSF

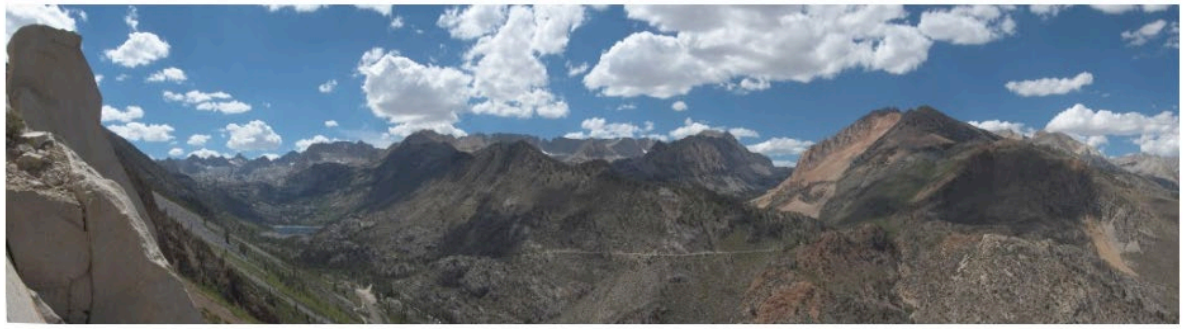
DEB Blog posts upcoming topics, registration, and recap posts

https://debblog.nsfbio.com/office-hours/

DEBrief

Blog of the Division of Environmental Biology, NSF

Home | DEB Resources and Links | Office Hours | About | Blog Policies



Office Hours

Join us the **second Monday of each month from 1pm-2pm Eastern Time** for the Division of Environmental Biology's (DEB) Virtual Office Hours. Representatives from each of the four clusters will be available to discuss specific programs and funding opportunities. There will then be an open question and answer period – questions can be on any NSF or DEB topic.

Join us remotely and bring your questions! Please use the registration link below to set up your

DEBrief

Blog of the Division of Environmental Biology, NSF

Home | DEB Resources and Links | Office Hours | About | Blog Policies

AUGUST 21, 2023 BY DEB SCIENCE STAFF

8/14/23 Virtual Office Hours Recap: Things I wish I learned earlier about NSF

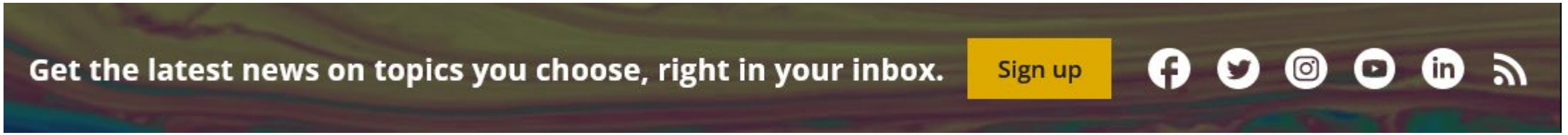
The Division of Environmental Biology (DEB) held its latest Virtual Office Hour on August 14, 2023. Program Officers discussed things they've learned during the transition from Principal Investigator to NSF Program Officer, helpful tips and tricks when applying for NSF funding, common misconceptions about the Merit Review Process, and more. We host these office hours 1-2pm EST on the 2nd Monday of every month. There is a designated theme each time, but attendees are welcome to ask about other NSF-related topics. Program Officers (POs) from different research areas are present at each Virtual Office Hour, so a wide range of scientific perspectives are represented.

The presentation slides, recording, and other documents are available here:

Search ...

BIO News and Updates

Visit www.nsf.gov and scroll down until you see the Sign up and social media banner, click on the yellow box, and follow the prompts.



Volunteer to review:

https://www.surveymonkey.com/r/DEBexpertise

Recent and Upcoming Funding Opportunities

Find links to all recent solicitations and DCL at the top of NSF.gov under Find Funding and Apply

- NSF 23-549– DEB Core Programs - No deadline
- NSF 20-130 – Biological Oceanography Core Program - No deadline
- NSF 22-591 – Opportunities for Promoting Understanding through Synthesis (OPUS) – No deadline
- NSF 22-603 – Mid-Career Advancement – Deadline March 1
- NSF 22-617 – GEO Empowering Broader Academic Capacity & Education (GEO-EMBRACE) – Target May 15
- NSF 22-586 – Faculty Early Career Development (CAREER) - Deadline July 24
- NSF 23-620 – Postdoctoral Research Fellowship in Biology (PRFB) – Deadline November 7
- NSF 22-628 – Ocean Sciences Postdoctoral Research Fellowship (OCE-PRF) - Deadline November 8
- BIO 18-001 – Biological Sciences Temporary/Rotator Program Officer
- GEO 2024-96950 – Biological Sciences Temporary/Rotator Program Officer

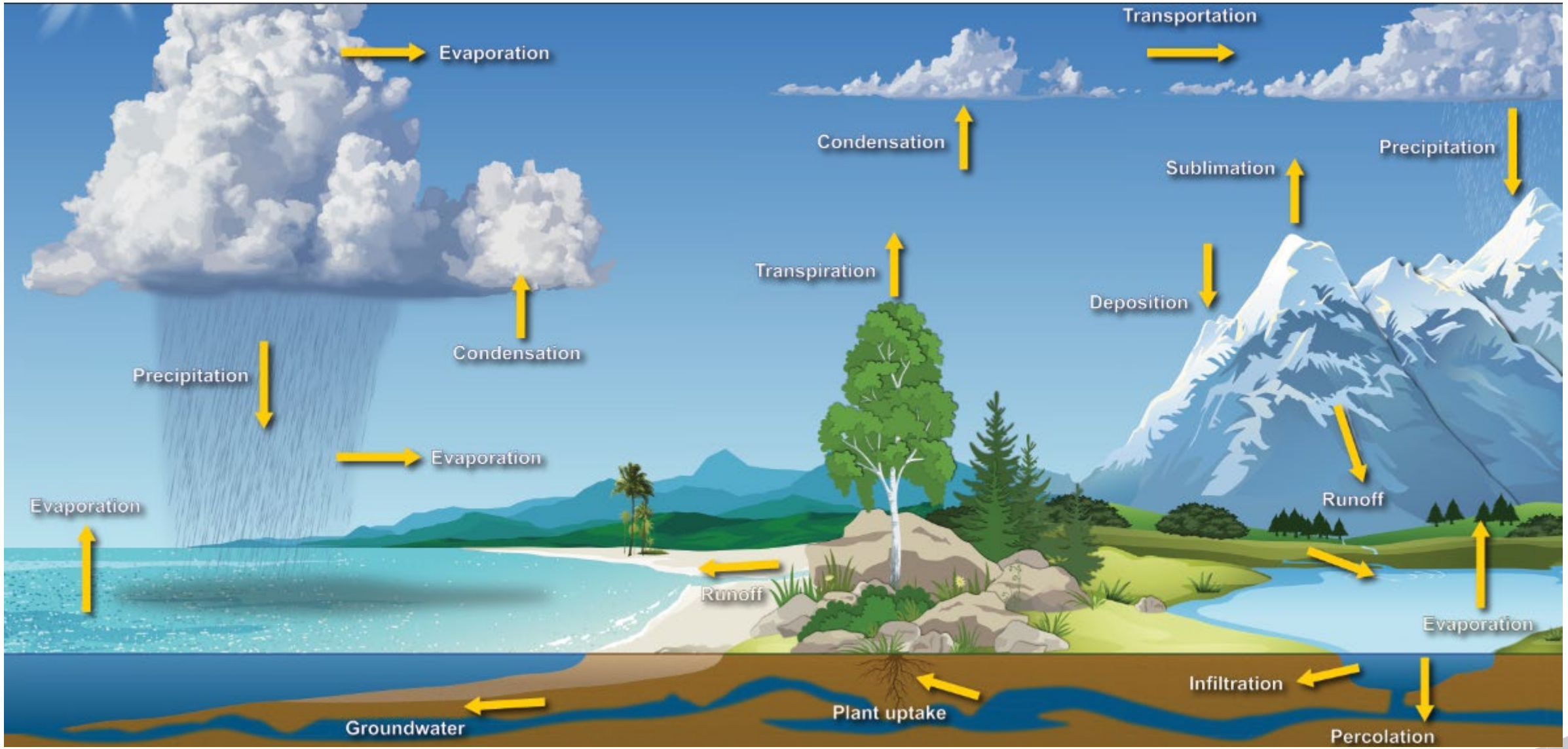


Image credit: Dennis Cain/NWS

BIO
Division of Environmental Biology
Ecosystem Science and Population & Community Ecology Clusters

Ecological questions in freshwater (besides the Great Lakes) and in the shallow coastal zone

GEO
Division of Earth Sciences
Hydrologic Sciences

Ecohydrology, Aqueous biogeochemistry

Fundamental research about water flows and fluxes on and beneath the Earth's surface, including the Biosphere

BIO
Division of Environmental Biology
Evolutionary Processes and Systematics & Biodiv. Sciences Clusters

Evolutionary questions anywhere

Organismal questions anywhere

BIO
Division of Integrative Organismal Sys.

Marine eco-evo, eco-physiology

Ecological questions in marine habitats, including estuaries, coastal, open and deep ocean, and U.S. Great Lakes

GEO
Division of Ocean Sciences
Biological Oceanography

Demystifying The Co-Review Process

- **Which proposals are co-reviewed?**
  - science that could make advances in multiple programs
  - integrative or interdisciplinary studies.

- **How does co-review work?**
  - the primary program reads the proposal and invites additional relevant program(s) to participate in the review process
  - If secondary program(s) accept co-review, mechanism ranges from suggesting ad hoc reviewers to taking the proposal to their own panel
  - Co-review opens the door to co-funding (more later).

Demystifying The Co-Review Process

- **Can I decide where my proposal gets co-reviewed?**
  - **You can help…**
    - You can suggest relevant programs on the Cover Sheet.
    - You can discuss your research idea prior to submission with a Program Officer from each program to assess suitability
    - Ultimately, the decision whether a proposal is co-reviewed rests with the Program Officer(s)

Demystifying The Co-Review Process

- **What happens after co-review?**
  - If the proposal is favorably reviewed by one or both programs, either or both programs may choose to fund the project.
- **Isn't it risky to expose my proposal to scrutiny by so many reviewers?**
- **But are co-reviewed proposals less likely to be funded?**
  - Co-reviewed proposals have the same funding rates (or slightly higher) as proposals that are not co-reviewed.

First set of takeaways…

- Do your homework, read the program descriptions, and see where you fit.
- If in doubt, talk with a Program Director, sharing a two-pager to help provide context.
- Consider co-review, suggest possible programs at submission if relevant, and recognize your proposal could be read by a broader audience.

- We want your best science… not projects forced to fit programmatic boundaries. Submit your most exciting ideas and we will work it out.

Opportunities in each area

Biodiversity on a Changing Planet (BoCP)

NSF 23-542

- Successful BoCP proposals will test novel hypotheses about functional biodiversity and its connections to shifting biodiversity dynamics on a changing planet, considering climatic, geological, paleontological, and biological processes.

- Integrative research is likely to combine multiple perspectives--including organismal, species, ecological, evolutionary, phylogenetic, geological, and/or paleontological approaches-- at various scales.

- Proposals that seek to improve predictive capability about functional biodiversity across temporal and spatial scales….

  - NSF Biological Sciences Directorate
    - Division of Environmental Biology
    - Division of Integrative Organismal Systems
    - Division of Biological Infrastructure

  - NSF Geological Sciences Directorate
    - Division of Earth Sciences
    - Office of Polar Programs
    - Division of Ocean Sciences

BRC-BIO Building Research Capacity of New Faculty in Biology NSF 22-500

"Proposed projects are expected to focus on research from any area of biology that is supported by the BIO directorate at NSF"

- **Who:** Primary investigators must hold at least a 50% tenure-track (or tenure-track equivalent) position as an assistant professor (or equivalent rank), who are untenured, have both research and teaching components to their appointment, and are within the first three years of their appointment.

- **What:** Proposed projects should enable the establishment of research programs for new faculty to position them to apply for future grants to sustain their research and should also enrich undergraduate research experiences and thereby grow the STEM workforce.

- **Where:** Minority-serving institutions (MSIs), predominantly undergraduate institutions (PUIs), and other universities and colleges that are not among the nation's most research-intensive and resourced institutions.

- **When:** Proposal windows are **June 1-30, 2023**

Intro to the Biological Oceanography program in OCE

- The program supports fundamental research in biological oceanography and marine ecology, ranging from estuaries to deep sea, as well as the Great Lakes.
- Proposals must have a compelling context in population, community, or ecosystem ecology, and address topics that will contribute significantly to understanding marine and Great Lakes ecosystems
- Applied topics are generally outside the scope of the Biological Oceanography program. These topics can be incorporated into broader impact objectives. However, the primary intellectual driver of the proposal is in basic ecology or oceanography.
- The program supports interdisciplinary research and often co-reviews and co-funds projects with various programs in OCE and the BIO Directorate

Biological Oceanography Core Program PD 23-1650

The program supports fundamental research in biological oceanography and marine ecology, ranging from estuaries to deep sea, as well as the Great Lakes.

- **Who:** Scientists and educators employed by an accredited organization according to NSF's Proposal & Award Policy & Procedures Guide (PAPPG NSF 23-1). We do not fund research activities by foreign organizations or other federal agencies unless they provide a unique and critical service required for the success of a submitted project.
- **What:** Submitted projects must have a compelling context in population, community, or ecosystem ecology or oceanography, as well as address topics that contribute significantly to the understanding of marine and Great Lake ecosystems. Applied topics are generally outside the scope of this program (e.g., pollution, restoration, conservation, geoengineering); these topics can be incorporated in the broader impacts.
- **When:** No deadline

GEO-EMBRACE: EMpowering Broader Academic Capacity and Education NSF 23-617

Goal: to mitigate multiple barriers faced by faculty members in geosciences and related fields at non-R1 institutions in submitting and obtaining federal funding.

- **Who:** Principal Investigators must hold primary appointments at institutions of higher education not currently classified as a Doctoral University with very high research activity (an R1 institution). An individual may be designated as PI or co-PI on up to two proposals per annual competition and may not be a PI or co-PI in an active NSF award.
- **Seed proposals:** seeks to offset lack of resources and/or dedicated research time faced by a faculty member at a non-R1institution. (up to $200,000 for a maximum of 24 months).
  Growth proposals: seeks to enable faculty members to establish independent research programs by engaging undergraduate and/or graduate students, or post-doctoral scholars . Intend to offset high teaching/mentoring loads and potential lack of infrastructure. (up to $400,000 for a maximum of 48 months).
- **Where:** Tribal Colleges and Universities (TCU), historically black colleges and universities (HBCU), other minority serving institutions (MSI), two-year colleges (2YC), primarily undergraduate institutions (PUI), and emerging research and master level institutions.
- **When:** Target date **May 15, 2024**

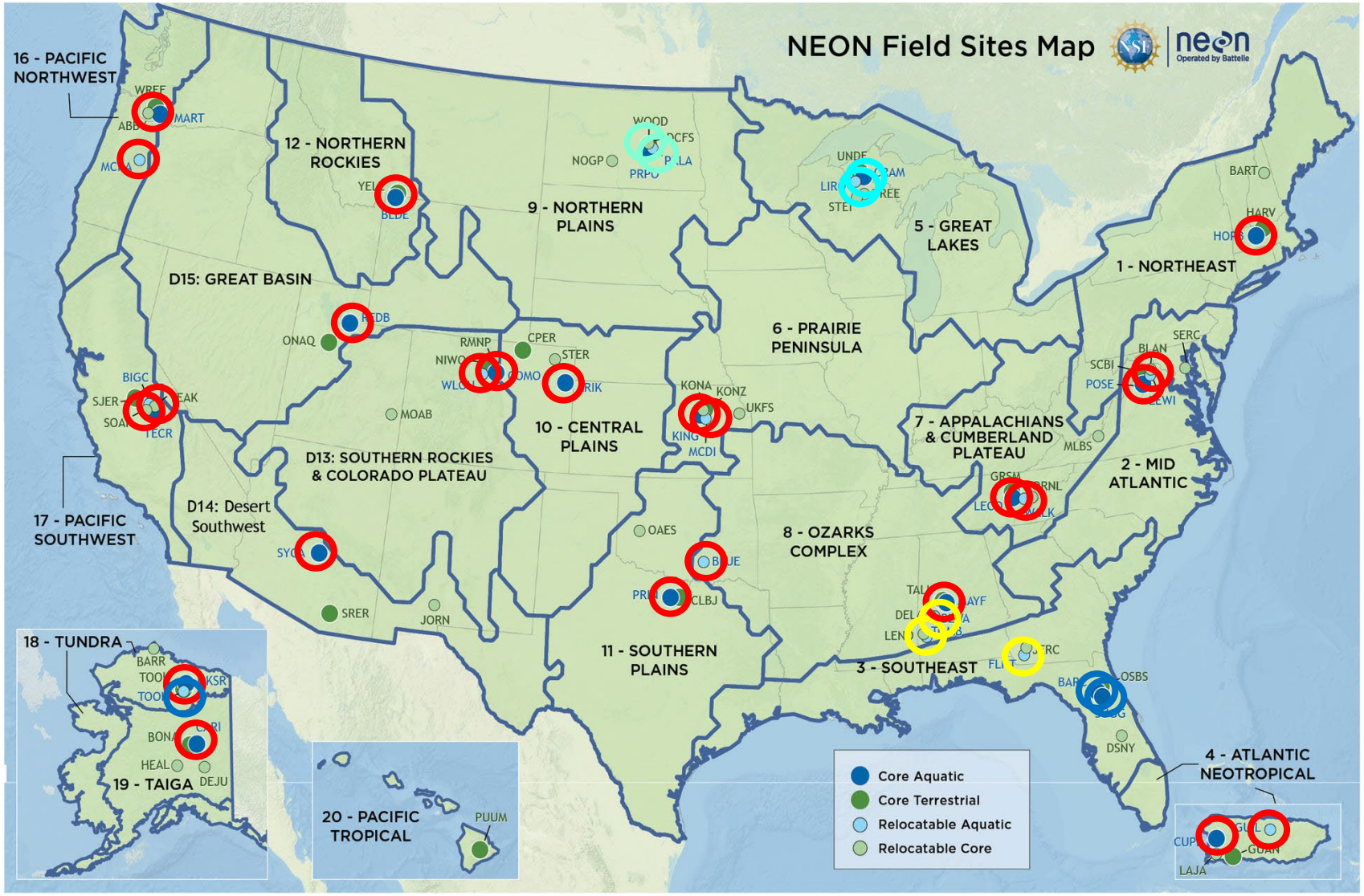
GEO-EMBRACE@nsf.gov

NEON and Freshwater Systems

34 Aquatic Sites

- 24 Wadeable Strean
- 7 Lakes
- 3 Non-wadeable Rivers

www.neonscience.org



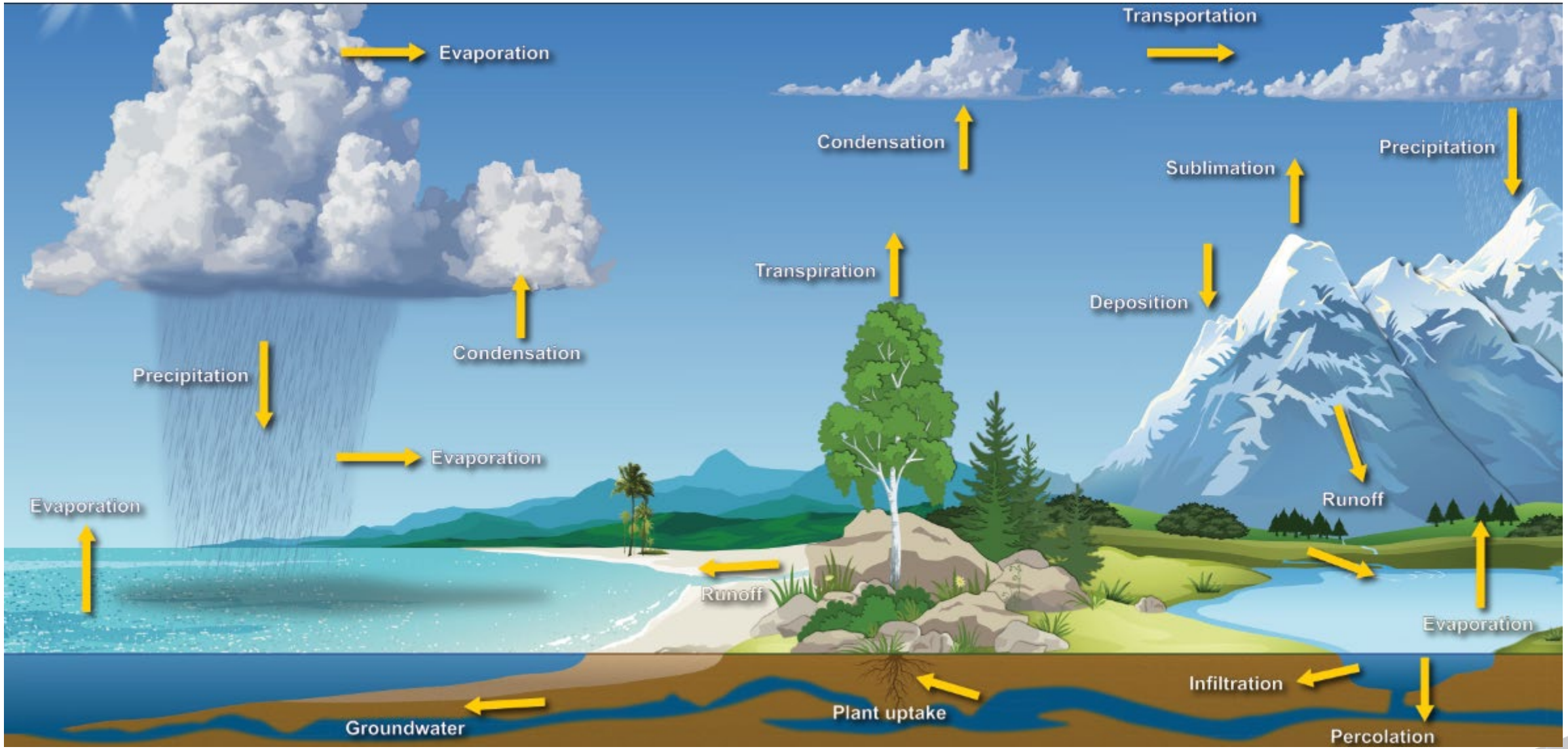


Image credit: Dennis Cain/NWS

Questions?

- **Submit your questions via the Q&A box on your screen and set to "Send anonymously"**
- Upvote questions by clicking the thumbs up icon next to the question you most want answered