



Division of Environmental Biology (DEB) Virtual Office Hour

Today's topic: DISES

Welcome to the DEB Virtual Office Hour.
We will begin soon.

Please submit questions via the Q&A button
available to you on ZOOM. Please set to
“Send anonymously”

Division of Environmental Biology (DEB) Virtual Office Hour – Welcome!

Program Officers in attendance today

- Kendra McLauchlan – Ecosystem Sciences (kmclauch@nsf.gov)
- Liz Blood – Ecosystem Sciences (eblood@nsf.gov)
- Matt Herron – Evolutionary Processes (mherron@nsf.gov)
- Christopher Balakrishnan- Evolutionary Processes (cbalakri@nsf.gov)
- Christopher Schneider – Systematics and Biodiversity Science (cjschnei@nsf.gov)
- Betsy Von Holle – Population and Community Ecology (mvonholl@nsf.gov)

Facilitators – Christina Washington, Bill Lawson, and Megan Lewis



Recent Solicitations and DCLs

Find links to all recent solicitations and Dear Colleague Letters at the bottom of the DEB webpage (WebSearch: NSF DEB) under Funding Opportunities and Popular Links

Remember – Core DEB solicitation (20-502) has no deadlines and no submission limits.

- **NSF 20-587** - Graduate Research Fellowship Program (GRFP) – **Deadline Oct. 19**
- **NSF 20-525** - Faculty Early Career Development Program (CAREER) – **Deadline Aug. 11**
- **NSF 20-542** - Historically Black Colleges and Universities – Excellence in Research – **Deadline Oct. 6**
- **NSF 20-579** - Dynamics of Integrated Socio-Environmental Systems (DISES)- **Deadline Nov. 16**
- DCL 20-050 - Critical Aspects of Sustainability (CAS): Micro- and Nanoplastics EAGER proposals
- DCL 20-038 - Developing New Research Collaborations Between Evolutionary Biologists and LTER Scientists
- DCL 19-059 - Research Opportunities Related to Coastlines and People (CoPe)
- DCL 20-033 - Developing and Supporting the National Ecology Observatory Network (NEON) User Community
- **NSF 20-532** - Enhancing Discovery through GEnomics Tools (EDGE) – **No deadline**



DEB Virtual Office Hour

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

Today: Dynamics of Integrated Socio-Environmental System (DISES)

Upcoming Topics:

September 14: Macrosystems Biology and NEON-Enabled Science (MSB-NES)

Oct 19: BIO Post Docs

Nov 9: Introduction to DEB



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- For specific questions about your project, please contact a Program Officer



A brief history of the program

CNH → CNH2 → DISES

- The **Dynamics of Coupled Natural and Human Systems (CNH)** was one of five special competitions conducted by NSF as part of the Biocomplexity in the Environment (BE) priority area in FYs 2001-2005.
- The Biological Sciences (BIO); Geosciences (GEO); and Social, Behavioral, and Economic Sciences (SBE) Directorates established CNH as a standing, multi-directorate program in 2007.
- MOU signed in FY2018 for 5 years establishing the successor program **CNH2: Dynamics of Integrated Socio-Environmental Systems**
- Solicitation revised and program abbreviation changed to **DISES (NSF 20-579)**



Characteristics of DISES projects

- Every word in the program title (except “of”) should be in the research plan: Dynamic, Integrated, Socio-Environmental, Systems
- “Socio” or human component of the system is predominantly governed by human decisions, actions, and behaviors.
- “Environmental” component of the system is predominantly governed by biological, physical, and chemical processes.
- May range from environments with very limited human populations (e.g. polar regions) to those in which human systems and processes fully dominate (e.g. densely populated megacities).
- Include and integrate processes by which environment impacts humans **and the reverse**.
- Examine human societies and environmental characteristics as systems components comprised of many processes or individuals.
- Global perspective, local or regional case studies not encouraged
- Advance theory in socio-environmental systems or related interdisciplinary fields.



Characteristics of DISES projects

- DISES research teams should include expertise in both environmental and social sciences.
- Proposals related to current or emerging NSF priorities are encouraged.
- Broader impacts are very important:
 - Special education and outreach related to socio-environmental research
 - Broadening diversity of scholars
 - Strengthening DISES infrastructure
 - DISES research for societal benefit
 - Dissemination beyond traditional academic audience
- International research should involve local scientists as full collaborators; intellectual merit should go beyond local area and broader impacts should benefit US interests.



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