

Department of Energy Announces \$13.1 Million for Environmental System Science Research

Announcement Number: DE-FOA-0002849 Environmental System Science

List Posted: 7/31/2023

Selection for award negotiations is not a commitment by DOE to issue an award or provide funding.

Principal Investigator	Title	Institution	City	State	9-digit zip code
Bertagnolli, Anthony	Nitrite-dependent methane oxidation: an overlooked nitrogen sink in riparian zones	Montana State University	Bozeman	MT	59717-2470
Bhattacharyya, Amrita	Deciphering the role of anaerobic microsites for hot spot/hot moment behavior of metal-organic interactions and methane emissions within riverine floodplains	University of San Francisco	San Francisco	CA	94117-1080
Carbone, Mariah	Responses of plant and microbial respiration sources to changing cold season climate drivers in the East River watershed	Northern Arizona University	Flagstaff	AZ	86011-4130
Cardenas, M. Bayani	Dynamics of interconnected surface-subsurface flow and reactive transport processes across the hillslope-riparian zone-river corridor continuum of cold, high-latitude watersheds	University of Texas, Austin	Austin	TX	78759-5316
Cardon, Zoe	Tidal Triggers and Hot-Spot Switches in Coastal Marsh	Marine Biological Laboratory	Woods Hole	MA	02543-1015
Coe, Kristen	Synthesizing bryophyte functional response to environmental variation to improve terrestrial carbon cycle forecasting	Middlebury College	Middlebury	VT	05753-5753
Reed, Sasha	Synthesizing bryophyte functional response to environmental variation to improve terrestrial carbon cycle forecasting	U.S. Geological Survey	Moab	UT	84532-3406
Cohen, Matthew	Water and carbon dynamics of coastal plain wetlandscapes	University of Florida	Gainesville	FL	32611-5500
Good, Stephen	Improving ESS approaches to evapotranspiration partitioning through data fusion	Oregon State University	Corvallis	OR	97331-2140
Goodale, Christine	Are Trees Dormant During the Dormant Season? Determining the Importance of Plant Nutrient Uptake in Changing Cold Seasons in Cold-Region Catchments	Cornell University	Ithaca	NY	14850-2820
Lundquist, Jessica	Seasonal Cycles Unravel Mysteries of Missing Mountain Water	University of Washington	Seattle	WA	98195-9472
Matthes, Jaclyn	Cross-scale methane dynamics at terrestrial-aquatic interfaces in temperate forests	Harvard College	Cambridge	MA	02138-5369
Noyce, Genevieve	Understanding and Modeling Current and Future "Hot Moments" in Coastal Wetlands	Smithsonian Institution	Washington	DC	20013-7012
Oh, Youmi	Estimation of global methane soil sink using synthesized datasets and knowledge-guided machine learning	University of Colorado	Boulder	CO	80303-1058
Sihi, Debjani	A tale of two extremes: Temperature sensitivity of carbon loss from cool and hot soils	Emory University	Atlanta	GA	30322-4250
Wood, Tana	A tale of two extremes: Temperature sensitivity of carbon loss from cool and hot soils	U.S. Forest Service	San Juan	PR	00926-1119
Slessarev, Eric	Understanding the geochemical basis for soil organic matter storage at the global scale	Yale University	New Haven	CT	06520-8327
Song, Hyun Seob	Computational Identification of Bioavailable Organic Matter and Their Traits for Predictive Biogeochemical and Ecosystem Modeling	University of Nebraska	Lincoln	NE	68583-0861
Torres, Mark	Floodplains vs. hillslopes: Informing the timing and tempo of clay formation and organic matter stabilization across an alpine watershed	Rice University	Houston	TX	77005-1892