

## Department of Energy Announces \$4.7 Million for Research on Research and Development Partnership Pilots

Announcement Number: DE-FOA-0002688

List Posted: 7/21/2022

Principal Investigator	Title	Institution	City	State	9-digit zip code
Adebiyi, Adeyemi	Building collaboration to advance our understanding of regional climate impacts of dust in California's San Joaquin Valley	University of California, Merced	Merced	CA	95343-5001
Barbosa, Henrique	Using LASSO to bridge the gap between model and observations and to learn about atmospheric convection	University of Maryland Baltimore County	Baltimore	MD	21250-0001
Battaglia, Loretta	CONNECTING THE TEXAS GULF COAST WITH COMPASS TO BUILD RESEARCH OPPORTUNITIES AND CAREER BRIDGES FOR AN UNDERSERVED COMMUNITY	Texas A&M University, Corpus Christi	Corpus Christi	TX	78412-5844
Billign, Solomon	Studies of optical and chemical properties of aged and fresh biomass burning absorbing aerosols for climate models	North Carolina A&T State University	Greensboro	NC	27411-0002
Carroll, Kenneth	Hydro-EKG: In-Stream Streaming-potential (SP) Electrical Monitoring of the Lifeblood of Watersheds during Disturbance	New Mexico State University (NMSU, Las Cruces)	Las Cruces	NM	88003-8002
Cheeke, Tanya	Building inclusive capacity and partnerships to tackle soil-water-microbe-root feedbacks in forest regeneration after wildfires	Washington State University	Pullman	WA	99164-1060
Ciri, Umberto	Large-scale offshore wind farm effects on weather and climate in Puerto Rico	University of Puerto Rico at Mayaguez	Mayaguez	PR	00681-9000
Damoah, Richard	Developing Urban Aerosol and Boundary Layer Observation and Research Capability at Morgan State University	Morgan State University	Baltimore	MD	21251-0001
Dasgupta, Aritra	A Scientist-in-the-Loop Data Analytics Framework for Intelligent Simulation Model Tuning and Validation	New Jersey Institute of Technology	Newark	NJ	07102-1982
Devineni, Naresh	Understanding Climate and Extreme Weather Events in the Greater New York Area	City University of New York d/b/a RFCUNY - City College	New York	NY	10031-9107
Diao, Minghui	Developing Partnership between San Jose State University and DOE Lawrence Livermore National Laboratory to Enhance Climate Research Equity and Inclusion	San Jose State University Research Foundation	San Jose	CA	95112-5569
Ebrahimian, Hamed	Environmental Extremes: Building a new research partnership between the University of Nevada Reno and the Pacific Northwest National Laboratory	University of Nevada	Reno	NV	89557-0240
Faroughi, Salah Aldin	ESMs Latent Space Exploration for Uncertainty Quantification and Spatiotemporal Downscaling	Texas State University	San Marcos	TX	78666-4684
Foti, Daniel	Building partnerships for development of sustainable energy systems with atmospheric measurements	University of Memphis	Mephis	TN	38152-3370
Galewsky, Joseph	Using stable isotopes in water vapor to study the interdependence of clouds, atmospheric aerosols, and precipitation processes	University of New Mexico	Albuquerque	NM	87131-0001
Hiranuma, Naruki	Characterization and application of a high-resolution microfluidic device in atmospheric ice nucleation research and integrated science teaching	West Texas A&M University	Canyon	TX	79016-0002
Hui, Dafeng	Simulating Greenhouse Gas Emissions of a Peatland Ecosystem Under Global Warming and Elevated CO2 at the SPRUCE Experimental Site	Tennessee State University	Nashville	TN	37209-1561
Kang, James	Greenhouse gas flux response in biochar- and compost-amended urban soils under simulated soil hydrologic dynamics	University of Texas Rio Grande Valley	Edinburg	TX	78539- 2909
LaMontagne, Jalene	Developing plans and partnerships for incorporating tree reproduction to understand Earth system change	DePaul University	Chicago	IL	60604-2201
Ledford, Sarah	Broadening participation in (sub)Urban watershed Science in the Southeast (BUSS)	Georgia State University	Atlanta	GA	30302-3999
Li, Hongyi	A strategic partnership between the College of Engineering at University of Houston and Pacific Northwest National Lab	University of Houston	Houston	TX	77204-2015

Li, Jianwei	On Improvement of Soil Organic Carbon Modeling and Simulation via Integrated Deep Learning and Data Assimilation Approaches	Tennessee State University	Nashville	TN	37209-1561
Norouzi, Hamidreza	Sustainable DoE Partnerships to Advance Fundamental Research in Earth and Environmental System Sciences at an Underrepresented Institution	City University of New York - New York City College of Technology	Brooklyn	NY	11201-1909
Prince, Bruce	Computational Modeling of Atmospheric Processes (CMAP) A Research Development and Partnership Pilot (RDPP) proposal	Texas Southern University	Houston	TX	77004-4501
Ray, Pallav	Surface Heat Flux and its Association with the MJO in the Tropical Western Pacific using ARM Observations	Florida Institute of Technology	Melbourne	FL	32901-6975
Robertson, Wendy	Expanding Collaborative Capacity to Address Climate Resiliency in the Great Lakes Region	Central Michigan University	Mount Pleasant	MI	48859-0001
Sheik, Cody	Multisystem feedbacks from a changing climate: Do altered hydrological dynamics control vadose zone carbon nutrient cycling and storage in shallow aquifer systems?	University of Minnesota Duluth	Duluth	MN	55812-3011
Tobin, Kenneth	Characterization of Root Zone Soil Moisture and Herpetofaunal Biodiversity in the Southern Great Plains	Texas A&M International University	Laredo	TX	78041-1920
Veach, Allison	Examining respiration and carbon flow in intermittent, urban rivers using novel chamber methodologies	University of Texas at San Antonio	San Antonio	TX	78249-0603
Wang, Yonggang	Using COMBLE observations to characterize boundary-layer convective precipitation in Arctic cold air outbreaks	State University of New York - SUNY Oswego	Oswego	NY	13126-3599
White, Loren	Capabilities and Partnerships for Environmental Microclimate Investigations	Jackson State University	Jackson	MS	39217-0002
Wilcox, Jeffrey	Building research capacity in Southern Appalachian mountain wetlands	University of North Carolina at Asheville	Asheville	NC	28804-8511
Wilkins, Joseph	RDPP: Accelerating Diversity in DOE Climate Science and Resilience Research	Howard University	Washington	DC	20059-0001
Yang, Xi	Building an interdisciplinary and interagency collaboration between DOE BER and the University of Virginia	University of Virginia	Charlottesville	VA	22904-4195
Zhang, Haofei	Collaboration with the ARM and EMSL Facilities to Study the Composition and Hygroscopicity Relationship in Atmospheric Aerosols.	University of California, Riverside	Riverside	CA	92521-0217