Earth System Model Development and Analysis Research - List of Awards			
Funding Opportunity Number: DE-FOA-0002230			
Title	**PI**	**Institution**	**Location**
Improving the Capabilities and Computational Efficiency of the RTE+RRTMGP Radiation Code	Pincus, Robert	The Trustees of Columbia University in the City of New York	New York, NY
Improving the initial state of biogeochemical components in Earth System Models	Primeau, Francois	Regents of the University of California, Irvine	Irvine, CA
Improving the Parameterization of Cloud and Rain Microphysics in E3SM using a Novel Observationally-Constrained Bayesian Approach	Van Lier-Walqui, Marcus	The Trustees of Columbia University in the City of New York (Collaborative - Lead)	New York, NY
Improving the Parameterization of Cloud and Rain Microphysics in E3SM using a Novel Observationally-Constrained Bayesian Approach	Morrison, Hugh	University Corporation for Atmospheric Research, Boulder, CO (Collaborative)	Boulder, CO
Interactions between land use, fires and dust as drivers of global climate change	Randerson, James	Regents of the University of California, Irvine	Irvine, CA
Efficiently resolving the terrestrial-aquatic interface in E3SM with sub-grid methods to improve coastal simulations	Westerink, Joannes	University of Notre Dame du Lac	Notre Dame, IN
Investigating Cloud Feedbacks in Earth System Models	Soden, Brian	University of Miami (School of Marine and Atmospheric Science)	Miami, FL
Ocean physical-biogeochemical interactions in the CMIP6 and E3SM Earth System Models	Ito, Takamitsu	Georgia Tech Research Corporation	Atlanta, GA
Evaluating the influence of plants on hydrologic cycling: Quantifying and validating the role of plant processes and stomatal conductance	Swann, Abigail	University of Washington	Seattle, WA
The Role of Deep Convection and Large-scale Circulation in Driving Model Spread in Low Cloud Feedback and Equilibrium Climate Sensitivity	Su, Hui	Regents of the University of California, Los Angeles	Los Angeles, CA