Carbon Removal in the Climate Response Portfolio

Monday, June 11

Keynote Speaker:

Bob Perciasepe is President of the Center for Climate and Energy Solutions (C2ES), an independent, nonpartisan, nonprofit organization working to forge practical solutions to climate change. Mr. Perciasepe has been an environmental policy leader in and outside government for more than 40 years, most recently as Deputy Administrator of the U.S. Environmental Protection Agency (EPA), where he oversaw stricter auto emissions standards and carbon emissions standards for power plants. Previously, he served as chief operating officer of the National Audubon Society, Secretary of the Environment for the state of Maryland, and as a senior planning official for the city of Baltimore.

Panelists:

Sally Benson is the co-director of Stanford’s Precourt Institute for Energy and director of the Global Climate and Energy Project (GCEP). She is a ground water hydrologist and reservoir engineer. She has conducted research to address a range of issues related to energy and the environment. Her research interests include geologic storage of CO2 in deep underground formations, technologies and energy systems for a low-carbon future, influence of climate change on critical habitats, biogeochemistry of the element selenium, and tools for subsurface mapping and monitoring. Benson earned her PhD in materials science and mineral engineering from the University of California, Berkeley. Prior to coming to Stanford as the Executive Director of the Global Climate and Energy Project in 2007, Benson was a staff scientist in the Earth Sciences Division at Lawrence Berkeley National Laboratory and held many positions including Deputy Director of Operations, Division Director for Earth Sciences, and Associate Laboratory Director for Energy Sciences.

Katharine Mach is a Senior Research Scientist at Stanford University, an Adjunct Assistant Professor at Carnegie Mellon University, and a Visiting Investigator at the Carnegie Institution for Science. She leads the Stanford Environment Assessment Facility (SEAF). Advancing foundations
for action, her research is focused on integrative assessment of climate change risks and response options. The goal is innovating and evaluating new approaches to assessment, simultaneously applying them to inform decisions and policy. Priorities include advancing methods for integrating evidence, applying expert judgment, and communicating resulting syntheses of knowledge. From 2010 until 2015, Mach co-directed the scientific activities of Working Group II of the Intergovernmental Panel on Climate Change, which focuses on impacts, adaptation, and vulnerability. This work culminated in the IPCC’s Fifth Assessment Report and its Special Report on Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation. The associated global scientific collaborations have supported diverse climate policies and actions, including the Paris Agreement. Mach received her PhD from Stanford University and AB from Harvard College.

Daniel L. Sanchez, AAAS Science and Technology Policy Fellow, is an engineer and energy systems analyst studying energy technology, innovation, and climate policy. He is interested in the deployment and commercialization of technologies that significantly reduce energy-related CO2 emissions or remove CO2 from the atmosphere. Daniel’s work and engagement spans the academic, nongovernmental, and governmental sectors. He recently completed a postdoctoral research fellowship with the Carnegie Institution for Science working with Drs. Chris Field and Katharine Mach. Daniel has previously held positions with the Advanced Research Projects Agency-Energy (ARPA-E), Green for All, and the California Public Utilities Commission. He holds a Ph.D. and M.S. from the Energy and Resources Group at the University of California-Berkeley, and a B.S.E. in Chemical and Biomolecular Engineering from the University of Pennsylvania.

Moderator:

Chris Field's research focuses on climate change, ranging from work on improving climate models, to prospects for renewable energy systems, to community organizations that can minimize the risk of a tragedy of the commons. He has been deeply involved with national and international scale efforts to advance science and assessment related to global ecology and climate change. He served as co-chair of Working Group II of the Intergovernmental Panel on Climate Change from 2008-2015, where he led the effort on the IPCC Special Report on “Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation” (2012) and the Working Group II contribution to the IPCC Fifth Assessment Report (2014) on Impacts, Adaptation, and Vulnerability.

Field assumed leadership of the Stanford Woods Institute for the Environment in September 2016. His other appointments at Stanford University include serving as the Melvin and Joan Lane Professor for Interdisciplinary Environmental Studies in the School of Humanities and Sciences; Professor of Earth System Science in the School of Earth, Energy & Environmental Sciences; and Senior Fellow with the Precourt Institute for Energy. Prior to his appointment as Woods' Perry L. McCarty Director, Field served as director of the Carnegie Institution for Science's Department of Global Ecology, which he founded in 2002. Field's tenure at the Carnegie Institution dates back to
1984.
Field holds a bachelor’s degree in biology from Harvard College and earned his Ph.D. in biology from Stanford.