

## Socio-environmental systems indicators for climate change adaptation & resilience in the US

**Award Year:**

2018

**Principal Investigator:**

Keely Maxwell, U.S. Environmental Protection Agency

Jesse Keenan, Harvard University

**Associated Program:**

[Workshop Program](#) [1]

The goal of this workshop is to advance development of socio-environmental systems indicators of climate change to support adaptation and resilience decisions in the United States. Climate change science has evolved from an initial emphasis on geophysical processes, climatological data, and computer models, into a multi- and inter- disciplinary endeavor to analyze ecological and social impacts. Indicators of climate change need to evolve, as well, to better measure environmental changes, social vulnerability, and societal impacts through time. Techniques for combining biophysical and social indicators of climate change are beginning to be developed at regional and local scales for particular ecosystems and human populations. A key scientific question thus arises: can we generalize from these cases into an overarching socio-environmental systems approach to indicator development? This workshop convenes participants with diverse experiences developing and using climate change indicators to generate a common understanding of what socio-environmental systems indicators might look like, and how they can support adaptation and resilience decisions.

**Participants:**

Susan Julius, US EPA

Michael Kolian, US EPA

Alex de Sherbinin, Columbia University

Jill Gambill, University of Georgia

Amy Snover, University of Washington Climate Impacts Group

Carlos Gonzales Inca, University of Turku (Finland)

Melissa Kenney, University of Minnesota Institute on the Environment

Anne Marsh, USDA Forest Service

Rebecca French, State of Connecticut

Natasha Udu-gama, American Geophysical Union

Victoria Reyes-García, Universitat Autònoma de Barcelona

Jia Li, US EPA

Denise Pollock, Alaska Institute for Justice

Victoria Ramenzoni, Rutgers University

Genee Smith, Johns Hopkins University

Laurie Monserrat, California/EPA

Derek Arndt, NOAA National Centers for Environmental Information

---

**Source URL:**

<https://www.sesync.org/project/propose-a-workshop/socio-environmental-systems-indicators-for-climate-change-adaptation>

**Links**

[1] <https://www.sesync.org/opportunities/research-workshops/workshop-program>