

ATS Special Seminar

Patrick Keys

Lead Scientist of CSU's School of Global Environmental Sustainability

Hosted by Jeff Collett and Eric Maloney

1 p.m. Monday, May 9

ATS 101 or Microsoft Teams

**Challenges in the Anthropocene:
Exploring climate and societal futures**

In the Anthropocene — the current period of time in which humanity has taken the reins of planetary control — we will grapple with emergent challenges at the interface of climate and society. In this talk, I will explore some of these Anthropocene challenges. First, I will present work exploring how climate and land-use change interact with one another, leading to obstacles for future sustainable development. Second, I will discuss anthropogenic changes to the atmospheric water cycle, and highlight novel approaches for investigating governance and management of this resource. Third, I will explore how creative scenario methods can support both research and educational insight as we navigate toward a just and sustainable future.

Pat is currently Lead Scientist in the CSU School of Global Environmental Sustainability (SoGES). He has a Ph.D. in Sustainability Science from Stockholm University, an MSc focused on Water Resources from University of Washington, and a BA in Biology from Willamette University. His research covers a wide range of topics, including Anthropocene risk and inequality, Sustainable and just futures, Human dimensions of atmospheric water recycling, and Sustainability and data science.

Seminar page: atmos.colostate.edu/colloquia