



## MIT Joint Program on the Science and Policy of Global Change IAP Offerings 2008

### Climate Change Board Game Series (Overview):

Do you care about hurricanes? Ice shelf collapse? International negotiations? Hybrid cars? Carbon taxes? Then come to the climate change board game series where we learn about; design; and play a board game based on climate change concepts. This series coordinates with the Climate Change Science Series (1/14 and 1/15) and the Climate Change Domestic Policy lecture (1/29). Snacks and lunch provided at all sessions.

**Climate Change Board Game I:** Tuesday, 1/15, 10:30 am to 12 pm: E40-298  
Intro to Educational Gaming

**Climate Change Board Game II:** Tuesday, 1/22, 10:30 am to 3:00 pm: E40-298  
Game Design

**Climate Change Board Game Series III:** Tuesday, 1/29, 10:30 am to 12 pm: E40-208  
Game Design/Play the Game

### Climate Change Science Series: Looking Back on the Future of Climate Change

Concerns about climate change are not new. In this two part lecture series we take a look back at the development of our understanding of the science of climate change, from both a theoretical and observational viewpoint.

**Session I:** Mon, Jan 14, 1-2:30pm, E40-496

In the first session, we will give a brief history of climate science. The story of the growth in scientific understanding of the greenhouse effect and consequent concerns about global warming is intimately connected to the study of past climates, especially the great Pleistocene ice ages that ended roughly 10,000 years ago. We will explore this parallel, and attempt to trace out some of the significant milestones in the science of climate change, from Arrhenius to the IPCC.

**Session II:** Tues, Jan 15, 1-2:30pm, E40-298

In the second session, we will investigate climate changes in the observational record over the past 100-200 years with an emphasis on if and how these changes can be attributed to global warming. The talk will cover (but not be limited to) temperature, precipitation, sea level, and sea and land ice data. Time permitting, we will also cover how these climate variables are projected to change in the future with the requisite discussion of uncertainty in climate modeling.

### Domestic Climate Policy Lecture

Led by graduate students studying climate change policy, this session will present the national emission reduction bills currently proposed in Congress. The differences between the bills, analysis of their potential climate and economic impacts, and important considerations such as uncertainty will be discussed.

**Single Session:** Tuesday, January 29, 1-2:30pm, E40-498

**Contacts:** Therese Henderson, x3-7492, [tzh@mit.edu](mailto:tzh@mit.edu)  
Laura Meredith, [predawn@mit.edu](mailto:predawn@mit.edu)