

# USC Price

*Urban Growth Seminar*

*Top Practitioners—Engaging Research—Innovative Response*

## ***"Climate Penalty on Local Air Pollution: Is it Possible to Adapt?"***

**Speaker: Antonio Bento**

**Professor of Public Policy & Economics**

**Director, Graduate Programs in Public Policy**

**USC Sol Price School of Public Policy**



Antonio Bento is an applied microeconomist with a research program in the areas of environmental, energy, urban, and public economics. Most of his work consists of theoretical and empirical assessments of major public policy issues, and his scholarly interests range widely both in topics and methods. Professor Bento contributed to the New York State Climate Change Action Plan, the New York State Biofuels Roadmap, the U.N. Scientific Committee on Problems of the Environment (SCOPE) Assessment Report on Biofuels,

served as a contributing author to the Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment Report, and was recently appointed as a lead author to the International Panel on Social Progress (IPSP). Bento received a BA in Economics from the Nova School of Business and Economics (Portugal) in 1996, and a PhD in Agricultural and Resource Economics (jointly with Economics) from the University of Maryland in 2000. He previously taught at the University of California, Santa Barbara (2000-2004), the University of Maryland (2004-2007), Cornell University (2007-2015), and has been a visiting professor at Stanford University, and a regular consultant to the World Bank.

Abstract: The harmful health effects of ground-level ozone pollution are well documented, and include the exacerbation of lung diseases, more time spent in hospital emergency rooms, and even premature death. Recently, there is increasing concerns that climate change will further increase ozone pollution – and its health and economic burdens – across large parts of the United States.

In his lecture, Professor Bento will provide an overview of this recent literature on a “climate penalty” on local air pollution, by combining projections of future climate-induced temperature increases with estimates of the relationship between ozone concentrations and temperature. The lecture will also provide some of the first preliminary estimates of the dollar amount of this penalty, and discuss opportunities for climate adaptation, including regulation induced-adaptation such as the shift of economic activity across the hours of the day or space, migration, and technological change.

***Discussant: Lisa Schweitzer***

**Associate Professor, USC Price School**

Date:

Tuesday,

**Oct. 6**

**12:15-**

**1:30pm**

Location

**Lewis Hall  
(RGL),**

**Room 101**

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