

*Modelling the Risks of Climate Change*  
Dr Chris Hope, Cambridge Judge Business School

**Abstract**

The integrated assessment model, PAGE2002, was chosen by the Stern Review on the Economics of Climate Change to calculate the impacts from climate change and the correct price for CO<sub>2</sub> under a broad range of assumptions about the scientific and economic evidence. PAGE2002 was chosen because it specifically allows for a rigorous treatment of uncertainty.

A new version of the PAGE model, PAGE09, has been produced in the run up to Copenhagen. This seminar will describe the use of integrated assessment models to investigate the risks of climate change, and present some initial results for climate change impacts and abatement costs from the PAGE09 mode.

**Speaker bio**

Dr Chris Hope is Reader in Policy Modelling at Cambridge Judge Business School. He was a lead author and review editor for the Third and Fourth Assessment Reports of the Intergovernmental Panel on Climate Change, which was awarded a half share of the Nobel Peace Prize in 2007. He was the specialist advisor to the House of Lords Select Committee on Economic Affairs Inquiry into aspects of the economics of climate change, and an advisor on the PAGE model to the Stern review on the Economics of Climate Change. In 2007, he was awarded the Faculty Lifetime Achievement Award from the European Academy of Business in Society and the Aspen Institute. His research interests involve numerical information in public policy and the integrated assessment modelling of climate change. He has published extensively in books and peer-reviewed journals. He has recently completed the latest version of the PAGE integrated assessment model, PAGE09.