



17 - 18 October 2014

# Beyond IPCC – Future Paths for Climate Research

The IPCC 5th Assessment Report is coming to a close. We have gathered some of the best climate researchers to take stock of the research needs after the assessment report and explore new areas in political economy and behavioural economics.

What is the outlook for the diffusion of new technology and can we expect a global climate treaty anytime soon? With a mixture of perspectives from developing and OECD countries we hope to shed light on some of these issues in order to help solve the global climate crisis.

How do we assess the damages from climate change? What is the road to New Technologies? What explains the barriers to action: Behavioural factors? Political economy? Inequity? Asymmetries?

Should we reform the IPCC?

**Date:** 17th - 18th of October

**Venue:** Malmstenvåningen, School of Business Economics and Law, University of Gothenburg

**Programme:** See next page

*Speakers are very welcome to Gothenburg!*

---

This workshop was supported by the Swedish Energy Agency, Mistra Indigo and the Department of Economics, School of Business, Economics and Law at the University of Gothenburg.

## FRIDAY OCTOBER 17th

9.00 WELCOME

### Assessing the damage of climate impacts

- 9.30 Michael Hanemann, Prof. of Economics UC Berkely  
*"The significance of local extreme events for the damages from climate change"*
- 10.10 Eswaran Somanathan, Prof. of Economics Indian Statistical Inst.  
*"The impact of temperature on productivity and labor supply: Evidence from Indian manufacturing"*
- 10.40 Kyle Meng, Asst prof. of Economics UC Santa Barbara  
*"Economic Impacts under Spatially Correlated Climate Shocks"*

### 11.10 COFFEE BREAK

#### Uncertainty and Discounting

- 11.40 Christian Gollier, Prof. of Economics Toulouse School of Econ.  
*"The long run discount rate controversy"*
- 12.20 Ben Groom, Assoc prof. of Economics London School of Econ.  
*"Discounting Decomposed: An expert survey on the determinants of the long-term discount rate"*
- 12.50 Gernot Wagner, Lead Senior Economist EDF  
*"Expecting a Black Swan and Getting a Dragon: Confronting Deep Uncertainty in Climate Change"*

### 13.20 LUNCH

#### IPCC and beyond

- 14.20 Charles Kolstad, Prof. of Economics Stanford University  
*"IPCC - economics research recommendations"*

#### Parallel Session Ia Modelling, Uncertainty, and Discounting

- 15.00 Nicolas Treich, Ph.D Toulouse School of Economics  
*"Climate change, risk and prioritarianism"*
- 15.20 Mark Freeman, Prof. of Finance Loughborough University  
*"The relationship between temperature uncertainty (standard deviation) and our WTP for mitigation measures"*
- 15.40 Daniel Johansson, Asst prof. Energy and Environment Chalmers  
*"Learning about equilibrium climate sensitivity from observations over the warming hiatus"*

#### Parallel Session Ib Fairness, Compliance and Feasibility

- 15.00 Martine Visser, Assoc prof. University of Cape Town  
*"Who should pay for climate? Public perceptions in a multi-country experiment"*
- 15.20 Jessica Coria, Assoc prof. University of Gothenburg  
*"The Harrington Paradox Squared"*
- 15.40 Emmanuel Combet, Post Doc CIRED  
*"Design and feasibility of a carbon tax reform in France"*

### 16.00 COFFEE BREAK

#### Climate negotiations and Discounting

- 16.30 Scott Barrett, Prof. of Nat Resource Economics Columbia Uni.  
*"Climate Treaties as Strategic Devices"*
- 17.10 Olof Johansson-Stenman, Prof. of Economics U. of Gothenburg  
*"Discounting and social comparisons"*
- 17.40 Per Fredriksson, Prof. of Economics University of Louisville  
*"Legal Origins and Climate Change Policy"*

### 18.30 DINNER at Fiskekrogen

## SATURDAY OCTOBER 18th

### National Climate Policies

- 9.00 Dallas Burtraw, Senior Fellow Resources for the Future  
*"Greenhouse Gas Rules, Strategic Behavior and Complementary Policies under the Clean Air Act"*
- 9.40 Marianne Fay, Chief Economist of Climate Change World Bank  
*"Operationalizing low carbon growth"*
- 10.10 Gunnar Eskeland, Prof of Economics Norwegian School of Econ.  
*"Leadership in Climate Policy: is there a role for Early Unilateral Mitigation?"*
- 10.40 Cameron Hepburn, Prof. of Env Economics University of Oxford  
*"The economics of the low-carbon transition: more fun than you might expect"*

### 11.10 COFFEE BREAK

#### IPCC - Reflections and the future

- 11.40 Ottmar Edenhofer, Co-Chair of WGIII of the IPCC  
*"Mitigation of Climate Change: Key Insights from the AR5 and Challenges for Future Research"*
- 12.20 Markku Rummukainen, Prof of Physical Geography Lund Univ.  
*"The past, present and future role of Working Group I in the IPCC Assessments"*
- 12.50 Ulf Molau, Prof. of Plant Ecology University of Gothenburg  
*"Detection and attribution of observed change - outstanding issues"*

### 13.20 LUNCH

#### Modelling Economy-Climate interactions

- 14.20 Per Krusell, Prof. of Economics IIES  
*"A Global Economy-Climate Model with High Regional Resolution"*

#### Parallel Session IIa Climate Change Impacts

- 15.00 Deliang Chen, Prof of Physical Meteorology Uni. of Gothenburg  
*"Climate change seen from the spatial domain"*
- 15.20 Rob Dellink, Senior Economist OECD  
*"Latest assessment of the economic consequences of climate damages"*
- 15.40 Karl Steininger, Prof. of Economics University of Graz  
*"Climate Change Impacts at the National Level: Known Trends, Unknown Tails, and Unknowables"*

#### Parallel Session IIb New Technologies

- 15.00 Carolyn Fischer, Senior Fellow Resources for the Future  
*"Strategic Technology Policies"*
- 15.20 Thomas Sterner, Prof. of Env Economics Uni. of Gothenburg  
*"The progress of renewables"*
- 15.40 Antoine Dechezleprêtre, Research Fellow London School of Econ.  
*"Knowledge spill overs from clean technologies"*

### 16.00 COFFEE BREAK

#### Agriculture and Ancillary Effects of Policies

- 16.30 Martin Persson, Asst prof. Physical Resource Theory Chalmers  
*"Carbon emissions from deforestation embodied in international trade of agricultural commodities"*
- 17.10 Milan Scasny, Senior Research Fellow Charles University  
*"Ancillary effects of GHG mitigation policies"*
- 17.40 DISCUSSION on the future of CLIMATE RESEARCH

### 18.30 DINNER at Palace