

Fondazione Eni Enrico Mattei invites you to the Side Event

A DIFFERENT APPROACH TO CLIMATE POLICY: THE OPTIMAL BALANCE BETWEEN MITIGATION AND ADAPTATION

Sunday, 11 April 2010, 13.00 to 14.30

Room Metro, Ministry of Environment, Bonn

(please check the UNFCCC event screens on the day in case of changes)

Damages from climate change can be reduced through both mitigation and adaptation. An efficient approach integrates these two options, and identifies the optimal distribution of mitigation and adaptation efforts through space and time. With surprising results highlighted in this session.

Programme

Adaptation to climate change: how much will it cost? Evidence from state-of-the-art literature

By Francesco Bosello, University of Milan, Fondazione Eni Enrico Mattei and Euro-Mediterranean Centre for Climate Change

This presentation will provide a brief introduction on how adaptation has been treated in the context of international negotiations for climate change. It will then provide a clear picture on what are the costs of adaptation, globally and regionally, including sector-specific information, by presenting the latest estimates available in literature. Finally, the main future challenges will be outlined.

Is adaptation the unspoken outcome of Copenhagen? Choosing the Optimal Portfolio between adaptation and mitigation

By Enrica De Cian, Fondazione Eni Enrico Mattei, Euro-Mediterranean Centre for Climate Change and University of Venice

This presentation will show results from a recent study carried out at Fondazione Eni Enrico Mattei on the relationship between adaptation and mitigation. It will describe the trade-off, but also the strategic complementarity between these two strategies which is exactly the reason for a joint approach to climate change. It will illustrate how adaptation can play an important role even in the presence of stringent mitigation targets. Regional results and the scope for international cooperation on adaptation will also be discussed.

The programme is based on the following publications, which will be circulated in a CD-Rom at the event:

Francesco Bosello (2010) ["Adaptation, Mitigation and "Green" R&D to Combat Global Climate Change. Insights From an Empirical Integrated Assessment Exercise"](#) FEEM Working Paper No. 22

Enrica De Cian, Alice Favero (2010) ["Fairness, Credibility and Effectiveness in the Copenhagen Accord: An Economic Assessment"](#) FEEM Working Paper No. 21

Francesco Bosello, Carlo Carraro, Enrica De Cian (2010) ["Climate Policy and the Optimal Balance between Mitigation, Adaptation and Unavoided Damage"](#) FEEM Working Paper No. 32

Francesco Bosello, Alessandra Goria (2009) ["Adaptation to Climate Change: how much will it cost?"](#) FEEM Policy Briefs

Francesco Bosello, Carlo Carraro, Enrica De Cian (2009) ["An Analysis of Adaptation as a Response to Climate Change"](#) Copenhagen Consensus Center

ABOUT FEEM

Fondazione Eni Enrico Mattei (FEEM) is a nonprofit, nonpartisan research institution devoted to the study of sustainable development and global governance. Officially recognized by the President of the Italian Republic in 1989 and in full operation since 1990, FEEM has grown to become a leading research centre, providing timely and objective analysis on a wide range of environmental, energy and global economic issues.

FEEM's mission is to improve through research the quality of decision-making in public and private spheres. This goal is achieved by creating an international and multidisciplinary network of researchers working on several innovative programmes, by providing and promoting training in specialized areas of research, by disseminating research results through a wide range of outreach activities, and by delivering directly to policy makers via participation in various institutional fora.

FEEM research on climate change builds upon more than fifteen years of work on this challenging issue. On the mitigation side, FEEM is positioned at the forefront of international research through the use of the in-house developed energy-economy-climate model WITCH, a regional integrated assessment hard-link hybrid model. On the impact side FEEM is currently investigating the general equilibrium effects of climate change on the world economy, through the use of ICES, a recursive-dynamic computable general equilibrium (CGE) model also developed by FEEM researchers. On the adaptation side, FEEM has developed a fully endogenous adaptation sector within the WITCH model (AD-WITCH), also accounting for innovation and its role in shaping dynamic adaptation strategies.