

1ST STAKEHOLDER WORKSHOP

of the LIMITS Project - Low climate impact scenarios and the implications of required tight emission control strategies

IMPLEMENTING LOW CARBON POLICIES

Milan, Tuesday, October 11, 2011
Fondazione Eni Enrico Mattei
Corso Magenta 63

LIMITS (Low climate IMPact scenarios and the Implications of required Tight emission control Strategies) is a research project that aims at advancing the understanding of the implementation of climate policies consistent with 2 degree Celsius. The main objective of the project is to provide an assessment of the emissions reductions strategies at the level of the world and the major global economies, and to assess their implementation in terms of:

- Defining emission reduction pathways according to different assumptions about technology availability, policy regimes, implementation obstacles, and evaluating the regional distribution of mitigation at the level of major economies;
- Assessing the investment requirements to implement these transformation pathways and the finance mechanisms such that these resources can be best raised and allocated. Evaluating the national and international policies which are needed to ensure that the transition to a low carbon energy infrastructure is attained efficiently, given specific obstacles in the respective economies;
- Quantifying the changes in the energy infrastructure and land use which major economies need to implement to attain stringent climate policies;
- Evaluating the linkages of climate policies with other issues such as energy security, air pollution and economic development.

LIMITS is a 3 year research project, with ten partners from Europe, China, India, and collaborators from the US and Japan. It consists of 7 main workpackages and aims at carrying out and disseminating original research in the field of climate and energy policies.

The aim of this first stakeholder workshop is to initiate a dialogue between the LIMITS project and relevant stakeholders on issues related to the implementation of climate stabilization policies. This first meeting is organized around 2 main discussion sessions, which will aim at identifying knowledge gaps and formulate those into relevant research questions which can be addressed within the LIMITS project. Specifically, each session will begin with presentations by project partners based on modeling results. External stakeholders will then have the chance to express their views on they see as the most critical factors and how can they be incorporated into modeling and policy research work. For each topic, the key questions of interest are: What are the most pressing policy questions and how can they be incorporated into integrated assessment models? In which way can modeling and policy work best interact and inform stakeholders?

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14.00 Welcome

Giuseppe **Sammarco** – Executive Director, FEEM
Susana **Calsamiglia-Mendlewicz** – EC

14.15 Objectives of the LIMITS project and open questions to stakeholders

Massimo **Tavoni** – FEEM

14.30 Achieving and financing green growth in major economies

Moderator: Alex **Bowen** – LSE

Implementing a low carbon transition will require a radical reallocation of investments towards low carbon technologies. The success of this transition will rest on the ability to raise the funding necessary to cover the incremental costs and to promote innovation. This session will aim at addressing the following key questions: What are the investment needs for a low carbon transition? Can climate policies promote economic growth, especially in emerging economies? What is the future of policies promoting clean energy investments? Can climate finance be used to deal with global debt crises?

Presentations: Modeling low carbon roadmaps in emerging economies: Jiang **Kejun** (ERI), Amit **Garg** (IIM) - *15min. each*

Panel discussion: Barbara **Buchner** (CPI), Alex **Chirmiciu** (EBRD), Rob **Dellink** (OECD), Jorg **Haas** (ECF), Tom **van Ierland** (EC), Dominique **van der Mensbrugge** (FAO)

16.30 -17.00 *Coffee break*

17.00 Impact of climate policies on energy infrastructure and markets

Moderator: Bob **van der Zwaan** – ECN

Implementing climate strategies will require substantial changes in the energy infrastructure and land use patterns in major economies. Scenario analysis suggests that carbon intensity should decrease at rates 3-4 times higher than historically observed. What energy system can achieve this change? What challenges and risks are associated with such rapid changes? How would global energy markets respond? What would be the implications for air pollution and energy security?

Presentations: Modeling energy and land use transformations: Keywan **Riahi** (IIASA), Jae **Edmonds** (PNNL) - *15min. each*

Panel discussion: Valentina **Bosetti** (FEEM), Susana **Calsamiglia-Mendlewicz** (EC), Uwe **Remme** (IEA), Hans Holger **Rogner** (IAEA), Georg **Zachmann** (Bruegel)

18.45 Wrap up and implications for LIMITS

Massimo **Tavoni** – FEEM

19.00 Closure of the workshop