

Saturday, December 12 ♦ 9:00 – 10:30 ♦ Room Victor Borge

Beyond the financial crisis: Regional energy policy and global carbon constraints

This side event aims to bring novel insights about the most appropriate climate architecture to coordinate local and national policies and measures in order to lower GHGs emissions in a context of financial crisis.

It will rely on iteration between:

- ♦ the latest climate policy and technology scenarios carried out by the ParisTech Chair Modeling for Sustainable Development, scenarios reflecting the financial crisis impacts on mitigation objectives for the 2050 horizon, and latest national Copenhagen announcements on mitigation issues;
- ♦ national and regional scenarios and policy insights given by leading experts from Europe, Asia, South America, Africa, the Middle East and the Mediterranean Basin, that consider the transition towards a low carbon intensive development pathways.

Based on their experience of national policies and of the international process (the Kyoto Protocol, Den Hagen, Marrakech, post-2012 negotiations, the EU energy and environmental package), the Panel Experts will discuss how the current financial crisis changes (in a positive or negative way) the basic pre-conditions to be fulfilled to reach a global agreement in a near future.



Welcome address and keynotes about the ParisTech Chair Modeling for sustainable development

Vincent MAZAURIC, Principal Scientist of Schneider Electric

From announced targets to local circumstances: Europe versus France

Nadia MAÏZI, Professor and Director of the Centre for Applied Mathematics, MINES ParisTech, co-responsible of the ParisTech Chair Modeling for sustainable development

Meaning of "targets" for India: the 'bifurcation' challenge

Priyadarshi SHUKLA, Professor at the University of Ahmedabad, Conveining lead author IPCC FAR

The Brazilian program and the relative role of energy and non energy sectors

Emilio La ROVERE, Professor at COPPE UFRJ, Lead author IPCC FAR

What 'climate policy' means in the 'sub-saharian' countries

Youba SOKONA, General secretary of OSS, Member of the IPCC Bureau AR5

Climate Policy After Copenhagen: a focus on Europe and the Middle East and Northern Africa region

Emmanuele MASSETI, CMCC and FEEM

The missing device: problem of climate finance

Jean-Charles HOURCADE, Director of CIREC, co-responsible of the ParisTech Chair Modeling for sustainable development, Conveining lead author IPCC TAR and FAR

Open discussion with the audience (30 min)

Breakfast will be served

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Chaire ParisTech Modélisation prospective
 au service du développement durable

ParisTech CHAIR MODELING FOR SUSTAINABLE DEVELOPMENT

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A Chair to further prospective modeling for sustainable development

This chair is a joint venture of MINES ParisTech, Ecole des Ponts ParisTech, AgroParisTech and ParisTech, in conjunction with ADEME, EDF, RENAULT, SCHNEIDER ELECTRIC and TOTAL.

In combining the skills of both teams carrying this project in applied mathematics, economics and management science, it forms a well-known centre for prospective modeling in favour of sustainable development.

The Chair directs its activities around four axes:

- ♦ A **standardised platform for prospective modeling** to help with decision making on issues of energy and climate policies, industrial development and technological choice;
- ♦ **Specific research initiatives** pursued in collaboration with our industrial and institutional partners;
- ♦ A **regular scientific animation** in favour of knowledge transfer and international academic presence;
- ♦ **High level education** to build a competence network: funding for doctoral work, continuing education seminars targeting the needs of our partners.

Two ParisTech teams recognised

The scientific programme and expertise of the Chair Prospective modeling for sustainable development is based on **common, yet complementary experiences** of teams co-founders in the field of prospective long-term issues related to energy, economy and environment.

Team from the **Centre for Applied Mathematics** (CMA-MINES ParisTech) has an expertise in prospective related to energy planning. Its approach rests on optimising a technico-economic representation of the energy system through the **MARKAL-TIMES** model and **TIAM-FR**. The CMA is member of ETSAP, an international consortium of IEA responsible for the development of these models.

Team from **International Research Centre for the Environment and Sustainable Development** (CIRED-Ponts AgroParisTech) develops models which explore the links between Economy, Energy and Environment, particularly through **IMACLIM** models.

The platform for prospective modeling of the Chair is based on harmonisation of the two models to better understand the energy-climate question.

A supporting collaborative network

To achieve its ambitions, the Chair will be supported by its industrial and institutional partners:

