THIRD ANNUAL MEETING
PARIS

October 13th – 14th 2011

Hosted by

The French Ministry of Ecology, Sustainable Development, Transport and Housing
&
The International Research Center on Environment and Development (CIRED)

In Cooperation with

The French Environment and Energy Management Agency (ADEME)

Third Researchers Meeting
International Research Network for Low-Carbon Societies
Collège des Bernardins, 20 rue de Poissy, 75005 Paris
October 13th-14th 2011

Conference Concept

Transition towards low carbon societies in a changing world

Subject: Science, Policy and Society for Low Carbon Development Pathways

International negotiations on climate policies for beyond 2012 seem to take place in an untimely context: financial crisis since 2008, new challenges for world economic globalization in a context of rise of emerging countries, tensions on oil markets. At the same moment, postponing climate policies is dangerous because emerging economies will build the bulk of their infrastructures in the two or three following decades, embarking thus in a bifurcation towards carbon intensive development paths.

Twenty years after the Rio process, this context explains the urgency of the « *paradigm shift* » of climate policies demanded by the Cancun declaration. The primary objective of the workshop is thus to examine how, instead of being framed in terms of burden sharing, these policies should be designed so as to "*offer substantial opportunities and ensure continued high growth and sustainable development"*.

The workshop will allow for an open exchange of views about the many facets of these opportunities and how to launch a long run transition towards a low carbon society by a) responding the short term demands for poverty alleviation (primarily in developing countries) and for jobs and the protection of high levels of income and welfare benefits in developed countries b) alleviating the geopolitical tensions due to the rebalancing of the world economic equilibrium. Its originality will be first to link the reflection about the decarbonation of energy systems to security issues (energy and food security, climate migrations) and to issues related to the evolution of globalization of world markets and of the international financial system. Second it will consider the low carbon objective as a frontier for technological innovation and leverage for the emergence of more sustainable development patterns and lifestyles.

To fulfill these objectives it will be given room for a significant participation of our colleagues from the BRICS. Doing so, it will contribute to the ***Innovation and Greengrowth*** topic of the G8.

Day 1, October 13th 2011

Climatic challenge and 'green growth': what «paradigm shift »?

This first session will aim at discussing how the components of the "paradigm shift" that has been called for at the Cancun Conference, are perceived in different regions of the world. The session will point out the conditions for conciliating the objective of reducing climate risks with sustainable development and social objectives in a context of global changes in world economic and political balances.

14.00: Welcome and Opening

Welcome address by **Dr Jean-Charles Hourcade** (President of LCS-RNet).

Opening by **Mrs Nathalie Kociusko-Morizet** (French Minister of Ecology, Sustainable Development, Transport and Housing).

14.30: Plenary Session 1.1

Chair/rapporteur : **Shuzo NISHIOKA** (NIES, Japan, chair) and **Jean Charles HOURCADE** (CIRED, France, rapporteur)

- **Perspectives over the Gordian Knot climate – development**
  by **Zou-JI** (Renmin University of China/WRI Beijing director)
- **Climate finance, reform of the international financial system and "green growth"**
  by **Marianne FAY** (World Bank)
- **Climate policies, world security and other dimensions of world governance**
  by **Jim SKEA** (UKERC, UK)

16.00: Coffee break

16.15: Parallel Session 1.2

Session 1: What international arrangements to leverage domestic climate policies?	**Session 2: Climate finance, lessons learnt and prospects**	**Session 3: Climate policies, economic globalization and trade: tensions and opportunities**
Chair/rapporteur : -**Mikiko KAINUMA** (NIES, Japan, chair) -**Emmanuel GUERIN** (IDDRI, France, rapporteur) Speakers : -**Erik HAITES** (Margaree Consultants Inc, Canada) -**Tom HELLER** (Climate Policy Initiative, USA) -**Jiang KEJUNG** (ERI, China) -**Igor BASHMAKOV** (CENEF, Russia)	Chair/rapporteur : - **Jean Charles HOURCADE** (CIRED, France , chair) Speakers : -**Wolfgang STERK** (WI, Germany) -**Derek BUNN** (London Business School, UK) -**Ivan ZELENKO** (World Bank)	Chair/rapporteur : -**Zou JI** (ReminUniversity of China, chair) -**Neil STRACHAN**(UCL, UK, rapporteur) Speakers : -**Rob DELLINK** (OCDE) -**Daniela PALMA**(ENEA, Italy) - **Fabio EBOLI** (FEEM, Italy)

17.30-18.30 Round Table 1.3

Visions of Durban (visions of experts)

-**Laurence TUBIANA** (IDDRI, France)
-**Emilio la ROVERE** (COPPE, Brazil)
-**Shigemoto KAJIHARA** (Deputy Director-General, Global Environment Bureau, Ministry of the Environment, Japan)

19.30: Welcome at Musée d'Orsay and visit of the museum, 62 rue de Lille, 75007 PARIS
20.45: dinner at Musée d'Orsay

Conditions of a major shift in innovation patterns and technical systems

This second session will deal with institutional and technical conditions for decoupling carbon emissions with economic growth. Special focus will be given to the link between long term objectives and short/mid terms issues that may arise during the transition process. The originality of that session will consist of distinguishing the situation of developed countries which essentially need to trigger mutations within existing systems, from the situation of developing countries which are going to build the bulk of their infrastructure within the two next decades and are confronted with a risk of lock-in in carbon intensive path of growth.

9.00: Plenary Session 2.1

Chair/rapporteur : **Ottmar EDENHOFER** (PIK, Germany chair, still to be confirmed) and **Michel COLOMBIER** (IDDRI, France, rapporteur)

- **Lessons from long run energy models about the decarbonation of energy systems in developed countries: timing, policies and technical change**
  By **Nebojsa NAKICENOVIC** (IIASA, Serbia)
- **Drivers of infrastructure dynamics (transport, housing, energy), how to prevent carbon intensive lock-in in developing countries?**
  By **Tomonori SUDO** (African Development Bank, Tunisia)
- **Institutional and policy tools to overcome barriers to carbon saving technical change (economic tools, standards, R&D, regulation of electricity markets)**
  By **Massimo TAVONI** (FEEM, Italy)

10.30: coffee break

11.00: Parallel Sessions 2.2

Session 1: What technological mix in a controversial world?	**Session 2: The specifics of technical change in infrastructure sectors**	**Session 3: Industry, innovation and investment risks in alternative technologies: differences and commonalities between sectors and countries**
Chair/rapporteur : -**Nebojsa NAKICENOVIC** (IIASA, Serbia, chair) Speakers : -**Jusen ASUKA**(IGES) - **Franck Lecocq** (CIRED, France) -**Ottmar EDENHOFER** (PIK, Germany) - Nadia MAIZI (Mines ParisTech, France)	Chair/rapporteur : -**Shobakhar DHAKAL** (Global Carbon Project, IGBP/HDP, Japan) Speakers : -**Peter VIEBAHN** (Wuppertal Institute, Germany) -**Franck LECOCQ**(CIRED, France) -**Feng LIU** (World Bank) -**Kenji SUZUKI**(Tokyo Metropolis, Japan)	Chair/rapporteur : -**Dominique BUREAU** (MEDDTL, France, chair) -**Christina HOOD** (AIE, France, rapporteur) Speakers : -**Sophie JABLONSKI-MOC**(EIB, Luxemburg) -**Dominique FINON**(CIRED, France) -**Philippe QUIRION** (CIRED, France) -**Peter DROEGE** (Eurosolar, Germany)

12.30: Lunch at the Collège des Bernardins

Day 2, October 14th 2011 (afternoon)

Low carbon development patterns and lifestyles

This third session will address the dynamic of the demand for a shift toward low-carbon societies. It will also discuss the concept of energy efficiency with a special focus on cities and mobility.

13.45: Plenary Session 3.1

Chair/rapporteur : **Frédéric de CONINCK** (Ponts Paristech, France, chair) and **Nadia MAIZI** (Mines ParisTech, rapporteur)

- **Energy efficiency and beyond: low energy intensive structural change to win the race against climate irreversibility given the limits in the supply-side responses**
  By **Stefan LECHTENBÖHMER** (WI, Germany)

- **Sustainable cities and low carbon societies in developed countries**
  By **Eric VIDALENC** (Ademe, France)**and Nathalie ETAHIRI** (MEDDTL)

- **Urban dynamics, mobility and consumption styles: the rationale for a "leapfrogging" in developing and emerging economies**
  By **Prasoon AGRARWAL** (Institute of Management, Ahmedabad, India)

15.00: coffee break

15.30: Parallel Sessions 3.2

Session 1 : Sharing experiences in the promotion of energy efficiency and of the 'dematerialization' of the economies	**Session 2: Domestic and international drivers of urban dynamics**	**Session 3: Behavioral changes and life-styles; what drivers? Who governs what?**
Chair/rapporteur : -**Sergio la MOTTA** (ENEA, Italy, chair) -**Eric VIDALENC** (Ademe, France, rapporteur)	Chair/rapporteur : -**Fabio GRAZI** (AFD, France, chair) -**Tomonori SUDO** (African Development Bank, Tunisia, rapporteur)	Chair/rapporteur : -**Stefan LECHTENBÖHMER** (Wuppertal Institute, Germany, chair) -**Julia NORDMANN** (WI, Germany, rapporteur)
Speakers : -**Neil STRACHAN** (UCL, UK) -**Giampaolo VALENTINI** (ENEA, Italy) -**Gjalt HUPPES** (CML, Leiden University, Netherland) -**John REILLY**(MIT, USA)	Speakers : -**Henri WAISMAN** (CIRED, France) -**Donatella SPANO** (FEEM, Italy) -**Wu LIBO** (Fudan University) -**Niels SCHULZ** (IIASA, Austria)	Speakers : -**Shobakhar DHAKAL** (Global Carbon Project, IGBP/HDP, Nepal) -**Maria WELFENS** (WI, Germany) -**Joanne WADE** (University of Surrey, UK) -**Bruno DORIN** (CIRAD, France)

Day 2, October 14th 2011 (afternoon)

Final Session (16.45-18.00)

Chair: **Ottmar EDENHOFER** (PIK, Germany)

Summing up the main policy messages: **Jean Charles HOURCADE** (CIRED, France) and **Mikiko KAINUMA** (NIES, Japan)

Keynote speech by **Mrs Dominique DRON** (CGDD, France)

Policymakers Round Table

Rationale for a low-carbon society: timing policy tools and behavior changes

-**John REILLY** (MIT, USA)
-**Christian EGENHOFER** (CEPS)
-**Midori SASAKI** (Ministry of the Environment, Japan)
-**Franck JESUS** (Ademe, France)
- Paul WATKINSON (MEDDTL, France)

What is the Low Carbon Society Research Network?

The LCS-RNet (International Research Network for Low Carbon Societies: www.lcs-rnet.net) is a knowledge sharing platform of researchers who are deeply involved in policy making process. Through the discussions amongst the world's leading researchers and active policy-makers, key findings and far-sighted research needs are identified, and the updated information and research results are shared.

As recognition of the need for countries to develop their own visions towards low-carbon societies, G8 Environment Ministers supported the proposal from Japan to establish the LCS-RNet at the G8 Environmental Ministers Meeting (G8EMM) in Kobe, Japan, in May 2008. Through the proposal, the LCS-RNet was established at the G8EMM in Syracuse, Italy, in April 2009, and requested to report back its outcomes periodically to G8.

Currently 16 research institutes from 7 countries constitute this network as well as governmental contact points. The secretariat located in the Institute for Global Environmental Strategies (IGES) with the support from the Ministry of the Environment, Japan. Participation in the LCS-RNet is open while the orientation and management of the LCS-RNet is guided by the steering group consisting of research institutes.