



CLIMATE ECONOMICS CHAIR (CEC) :

GENERAL OVERVIEW

4 points of focus on Climate Economics Chair

- Starting 2010, the Climate Economics Chair is a joint initiative by Paris-Dauphine University, CDC, Total and EDF, under the aegis of the European Institute of Finance
- 3 research programs financially supported by 10 economic partners under the supervision of Pr. Anna Creti (director)
- About 15 permanent researchers (including ~10 PhD students) and about 20 associate researchers
- Our objectives :
 - Train PhD students and interns, creating a research platform dedicated to the economics of climate change, the energy and the ecological transition
 - Bridge the academic and public/private decision-making worlds (contributing to the public debate through research dissemination and events that bring together different economic actors)

3 Research programs

CO2 Price and Low-carbon Innovation

Carbon pricing through tax, market or hybrid systems

Governance and coordination of regulatory instruments

The internal carbon price for firms, a tool at the border of the economy and management

Low-carbon innovation: specificities and strategies associated with the creation of “green” knowledge

Agriculture and Forestry

Eco-system services and climate policies

Adaptation and Mitigation policies in the agricultural and forest systems

Circular Economy : resource use and waste management

Energy Transitions

Integration of renewables in electricity and gas sectors

Pricing mechanisms, consumer behaviors and new energy uses

Energy efficiency and building

Access to energy in Africa

Governance

Scientific Committee

Chaired by Professor **Thomas Sterner**
(Gothenburg University)

- Evaluates the progress and quality of research programs
- Provides advice on program direction

Steering Committee

Chaired by **Jean Jouzel** (IPCC - IPSL)

- Gathers the founding members and donors of the Chair
- Issues an opinion on the development strategy and validates the budget

Executive Committees

- Gathers the founding members and donor members of each program
- Monitoring of programs, reporting to the steering committee

Publications and events

Publications (07/2019)

- 60 Informations & Debates
- 90 Working Papers
- 17 Policy Briefs
- 56 Peer-reviewed articles
- About ten books on the economics of climate and energy

Such as « Green Capital », « Energie : économie et politique », « Pricing Carbon », « Patents, prompting or restricting innovation », « Economics of Electricity. Markets, Competition and Rules »...

Events

- Annual Conference
- Friday Lunch Meetings
- Professional Meetings
- Thematic conferences



Thesis in progress

CO2 Price and Low-carbon Innovation Program

Long term modeling of the European Union Carbon Market

Patents as a measure and a driver of a low-carbon innovation policy

Practices and theories of corporate carbon pricing

Agriculture and Forestry Program

Circular economy, recycling and CO2 emissions

Climate change effects on inequalities of farmer's income

Barriers to GES emissions mitigation in the French agricultural sector : the role of uncertainty, information and risk attitudes

Energy Transitions Program

Essays on access to electricity in Sub-Saharan Africa

Deploying green gas activity: a network approach

Social interactions and energy efficiency investment in the building sector

Synergies between electricity mobility and photovoltaic energy

Characteristics of the building sector and massification & energy renovations in France

Projects of new thesis

- Impacts of the carbon tax on CO2 emissions. The case of France
- Cooperative strategies in low-carbon innovation
- Carbon internalization in the financial sector
- Climate change and forest owners behaviour
- Agri-environmental practices and risks
- Complementarity between green sectors in the energy transition scenarios
- Eco-buildings: a new market for wood?
- Energy transition in Africa: competition and regulation of the electricity sector

Annex 1 : CEC's management team

Scientific supervision and management

Anna Creti, Professor at Paris-Dauphine University , Director

Christian de Perthuis, CEC Founder

Research program managers

CO2 Price and Low-carbon Innovation

Marc Baudry , Professor at Paris Nanterre University and Raphaël Trotignon, CEC

Agriculture and Forestry

Philippe Delacote, Research Fellow at INRA Nancy

Energy Transitions

Jacques Percebois, Professor Emeritus at Montpellier University and **Boris Solier**, Assistant Professor at Montpellier University

Scientific advisor

Patrice Geoffron, Professor at Paris-Dauphine University

Administrative manager

Claire Bérenger

Annex 2 : CEC Scientific Council Members

Chaired by **Thomas Sterner**, Gothenburg University
(Elected President for the 2020-2021 period)

- Composed of 13 members from European, American and Chinese academic institutions

Dominique Bureau, CEDD

Larry Goulder, Stanford University

Patrick Criqui, CNRS

Pierre-André Jouvét, UPL

Maureen Cropper, Maryland University

Andreas Löschel, Munster University

Ying Fan, Beihang University

Christian de Perthuis, UPD

Meredith Fowlie, Berkeley University

Katheline Schubert, Paris 1 University

Christian Gollier, TSE (SC President 2018-19)

Jonathan Wiener, Duke University

Annex 3 : CEC's partners

Founders members

Fondation Institut Europlace de Finance

Paris-Dauphine University

Caisse des Dépôts

Total

EDF

Donating members

Engie – Michelin - Solvay

In Vivo – Bioline Insurance

CSTB – Enedis - GRDF

ADEME, PAPREC, SARPI

Other supports

Ecological and Solidarity transition Ministry

#makethedifference by supporting the CEC!

Supporting the Climate Economics Chair means contributing to the financing of academic research dealing with the links between climate change, ecological and energy transition, and the complexity of markets and regulations. Thanks to your support, the Climate Economics Chair will be able to develop and internationalize its research programs! Many types of financial support exist....

Sponsoring

Financing a research internship

Financing a CIFRE thesis

Partnership



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