

# HARNESSING ECONOMICS FOR THE CLIMATE

“I4CE – Institute for Climate Economics” is an initiative of **Caisse des Dépôts** and **Agence Française de Développement**. The *think tank* provides **independent expertise and analysis** on economic issues linked to **climate & energy policies** in France and throughout the world.

I4CE aims at helping public and private decision-makers to improve the way in which they **understand, anticipate, and encourage the use of economic and financial resources** to promote the transition to a **low-carbon resilient economy**.

I4CE works with a large and established network of partners.

**We focus on three research areas**, addressing the issues faced by actors involved in the energy and climate transition:



## INDUSTRY, ENERGY AND CLIMATE

Understanding policies for the low-carbon transition in the industry and energy sectors.



## TERRITORIES AND CLIMATE

Identifying and analyzing courses of action in the fight against climate change in the agriculture and forestry sectors as well as urban areas.



## FINANCE, INVESTMENT AND CLIMATE

Analyzing the mainstreaming of climate change into financial decision-making by public and private entities.

## HOW WE WORK



### PROVIDING RESEARCH AND EXPERTISE

- Research projects and expertise reports
- Publications



### BUILDING CAPACITY

- Disseminate knowledge and research results
- Conduct applied research projects
- Design and organization of training sessions



### CONTRIBUTING TO PUBLIC DEBATES

- Organize events (conferences, workshops, breakfast meetings)
- Respond to public consultations
- Participate in expert working groups



# TERRITORIES AND CLIMATE

IDENTIFY AND ANALYZE POSSIBLE ACTIONS FOR AGRICULTURAL, FOREST AND URBAN AREAS TO FACE CLIMATE CHANGE.

The program “Territories and climate” covers research activities relating to the territories and their action in the face of climate change, both on mitigation and adaptation. The work focuses on the financial initiative, policy evaluations, technical and economic tools, and possible actions on adaptation to climate change impacts for agricultural and forestry sectors, cities and territories. The division coordinates three action-research clubs, together with many partners (APCA, ASFFOR, FPF, INRA, Météo France, ONERC, ONF, Société Forestière, SySSO), research projects and carries out a lot of expertise.

## RESEARCH PROJECT

### VOCAL VOLuntary CARbon Land Certification (2015-2017)



In partnership with numerous public and private actors, the VOCAL project aims to develop a national certification framework validating carbon units. It will ensure greenhouse gas emission reductions from agricultural and forestry projects in France through a referential and methodologies approved by the Ministry of Ecology and Sustainable development.

## RESEARCH PROJECT



### ABSTRACT COLURBA 2014-2015 / Partners: ADEME-AFD-ONERC

The project “Analysis of levers and barriers to implementation of adaptation strategies for climate change - the case of urban communities” is based on a sociological field research among 10 metropolitan and overseas communities, analyzing the levers and barriers to the implementation of adaptation strategies at the local level.

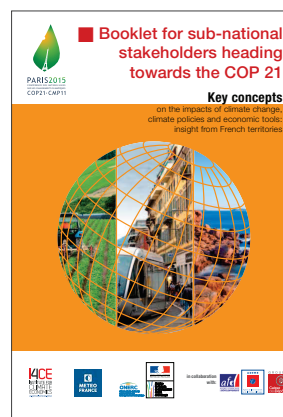
## BOOKLET



### Booklet for sub-national stakeholders heading towards the COP 21

Co-written by I4CE, ONERC and Météo-France, in partnership with ADEME, AFD and CDC

From the work of our action-research clubs, this booklet provides direct access to current knowledge on climate change, through factsheets. An agricultural and forestry focus is also available.



## THE TEAM

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Access all publications on [www.i4ce.org](http://www.i4ce.org)



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# FINANCE, INVESTMENT AND CLIMATE

## ANALYSE THE MAINSTREAMING OF CLIMATE CHANGE INTO FINANCIAL DECISION-MAKING BY PUBLIC AND PRIVATE ENTITIES.

The work of the “**Finance, Investment and Climate**” program focuses on the ‘mainstreaming’ or integration of climate change into the investment and financial decision making. Transversal issues are addressed, including the role of public financial institutions; the environmental integrity of financial products; climate-related risks perception by financial actors; international and national climate-related financial flows; and the alignment of development finance and long-term climate change objectives. These issues are analyzed within domestic and international contexts to better understand the impact and interactions between public and private resources for financing the transition to a low-carbon, resilient economic model.



### Mainstreaming Low-Carbon Climate-Resilient (LCCR) growth pathways into Development Finance Institutions’ (DFI) activities

This project looks at the standards, tools and metrics to support transition to a LCCR development model applied by DFIs. It establishes a framework for integrating standards and tools into the upstream strategic and downstream assessment stages of investment decision making. A first case study has been conducted on the mainstreaming of the climate-related issues in the operations of *Agence Française de Développement*.



### FRENCH LANDSCAPE OF CLIMATE FINANCE

Public and private finance into capital formation with climate benefits in France. Built around an annual survey of domestic climate investment and finance, it focuses on the interaction between institutions, intermediaries, distribution channels and instruments. Among other objectives, this study assists French government bodies in fulfilling their reporting obligations established by the recently-adopted Energy transition legislation.

### Mainstreaming Climate Change in the Financial Sector and its Governance



This series of papers produced in cooperation with IDDRI presents the reasons why both the financial sector and its governance bodies (IFGRIs) have interest in integrating climate change issues in their risk and stability assessment framework. They go on to assess the current practices addressing the risks and opportunities that arise from climate change among financial governance entities and identify potential entry points for consideration in their mandates and draw on existing toolkits and processes.

#### THE TEAM

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# INDUSTRY, ENERGY AND CLIMATE

## UNDERSTANDING POLICIES FOR THE LOW-CARBON TRANSITION IN THE INDUSTRY AND ENERGY SECTORS.

The program “**Industry, Energy and Climate**” analyzes policies to reduce greenhouse gas emissions from the energy and industry sectors in Europe and worldwide. The team mainly examines carbon pricing policies that include emission allowance trading system (Emissions Trading Schemes or ETS) and carbon taxes. Their research focuses on the institutional arrangements of these public policies, coordinating their energy policies such as those for the deployment of renewable energy and the improvement of energy efficiency, their effects on the competitiveness of businesses and finally the distributive effects of these climate policies.

### RESEARCH PROJECT

## Energy and Carbon Policy Coordination for the sectors of the EU ETS to 2030 (COPEC)



Until December 2015, and in partnership with Enerdata this program aims to bring together a coalition of French public and private decision-makers to consider EU Emissions Trading Scheme (EU ETS) revisions for the period 2021-2030. This research initiative aims to provide an independent and factual analysis on the functioning of the EU ETS and its economic impact in 2030. After five workshops, a final report will be published in September 2015. Several events will be held by December 2015.

### EUROPEAN RESEARCH PROJECT

## Coordination and Assessment of Research and Innovation in support of climate Mitigation Actions (CARISMA)

Launched in March 2015, through the H2020 European funding program, this COPEC aims to provide a platform where public and private decision makers information and data evaluations that can help improve their understandings in the field of climate change. In collaboration with ten European partners, (Enviros, CEPS, ZEW, SEI, the University of Graz in Austria, NTUA, Radboud University in the Netherlands, the Joint Implementation Network and the University of Piraeus in Greece), I4CE participates in the evaluation of climate change mitigation policies particularly through examining of the interaction of different policies for the industrial sector.



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