



# Benoît Chèze

benoit.cheze@ifpen.fr

## Axe de recherche

Transitions, Environnement, Énergie, Institutions, Territoires

## Thème(s)

Economie de l'environnement; Economie de l'énergie et du changement climatique; Economie publique; Economie appliquée

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## Présentation

### **RESEARCH TOPICS**

Environmental Economics, Energy and Climate Change Economics, Transportation Economics, Public Economics, Applied Econometrics.

### **POSITION HELD**

#### **Current Position and Academic Affiliations**

Since

**Research fellow** in Economics at **IFPEN**, Environmental Evaluation & Economics Depa

02/2009

*IFPEN* is a French public-sector research and training center. It has an international scope in fields of energy, transport and the environment.

Since

**Associate Researcher with :**

11/2011

- . EconomiX-CNRS (UMR 7235), University Paris Ouest, Nanterre – La Défense ;
- . Climate Chair Economics (CEC), University Paris – Dauphine ;
- . Public Economics Dpt (UMR 210), INRA – AgroParisTech.

#### **Past Research Positions**

10/2007 - 02/2009 **Teaching Assistant** (ATER), University Paris Ouest, Nanterre – La Défense, UFR SEGMI

10/2004 - 09/2007 **Ph.D. Student**, EconomiX-CNRS (UMR 7235), University Paris Ouest, Nanterre – La Défense

**ADEME Doctoral Fellowship.**

## EDUCATION

### 2004 - 2011

- . **Ph.D.** in *Economics*, supervised by Gilles Rotillon, University Paris Ouest, Nanterre – L
- . Ph.D. Thesis Qualification awarded by the CNU (Section 05), 2012.

### 2003 - 2004

- . **Master's Degree (M.Sc.)** in *Environmental and Natural Resources Economics*, Université Paris-Dauphine, EHESS, ENREF, ENPC, École Polytechnique and AgroParisTech.

### 2002 - 2003

- . **Master's Degree (M.Sc.)** in *Macroeconomics*, Université Paris-I Panthéon-Sorbonne
- . **Magistère** in *Economics*, University Paris-I Panthéon-Sorbonne, ENS Ulm and EHESS.

## RESEARCH PROGRAMS

### 2012 - 2015

- "**SCelecTRA** (*Scenarios for the Electrification of Transports*)". Funded in the framework of the European Union. Grant Agreement No. 12-MT-PREDITG01-2-CVS-2.

### 2008 - 2012

- "**ALFA-BIRD** (*Alternative fuels and biofuels in aviation*)". Funded in the framework of **Fonds Européen de Développement Régional**. Grant Agreement No. ACP7-GA-2008-213266.

### 2009 - 2011

- "**SWAFEA** (*Sustainable Way for Alternative Fuels and Energy for Aviation*)". Funded by the European Commission (**CE/DG TREN**). Service Contract No. Tren/F2/408.2008/SI2.518403/SI2.519000.

### 2009

- "*Analyse au niveau des firmes des marchés du carbone*". Funded by **CFE** (Conseil Français pour l'Environnement Industriel et le Développement Economique).

### 2008

- "*Analyse micro-économétrique des marchés du carbone*". Funded by Economix.

## SCIENTIFIC AND COLLECTIVE ACTIVITIES

### Research and Administrative Responsibilities

Since

**Project Leader** of the IFPEN **Economics Department's scientific program**.

01/2011

Since

In charge of i) the **scientific animation** of the IFPEN Economic Department and of ii) the **follow-up** of its Ph.D. Students.

01/2010

Since

Member of the M.Sc. APE's **Educational Committee**, University Paris Ouest.

**2015**

Since

Member of the **Scientific Committee** of the laboratory LIED (CNRS-UMR 8236), Université Paris Ouest.

**01/2014**

**2006 - 2013**

Member of the **Laboratory Council** of EconomiX, University Paris Ouest.

**2011 - 2013**

**Representative** of Associate Researchers within EconomiX, University Paris Ouest.

**2006 - 2011**

**Representative** of Ph.D. Students within EconomiX, University Paris Ouest.

#### **Conferences and Seminars Organizations**

**2018**

Co-organizer of the **international Workshop** "Energy players and energy transition: a new role for energy markets", IFPEN, 18-19<sup>th</sup> of June.

**2016**

Member of the **Scientific Committee** of the **International Conference** on Applied Business Economics (ICABE), co-organized by the University Paris Ouest and the University of Piraeus, Paris Ouest, 1<sup>st</sup>-2<sup>nd</sup> of June.

**2015**

Member of the **Scientific Committee** of the **International Conference** "Energy prices and financial impacts", co-organized by the University Paris Ouest and the French Energy Institute, Paris Ouest, 4-5<sup>th</sup> of June.

**2012**

Member of the **Program Committee** of the **MONDER Workshop** on Energy Economics, Casablanca, 28-30th of May.

Since

Organizer of the Research Seminar of IFPEN's Economics Department (one per month).

**09/2009**

**2006 - 2008**

Co-organizer of the EconomiX Seminar for Ph.D. Students.

**2007**

Member of the **local organizing committee** of the International Conference on Environmental Economics "Macrodynamic Theory and Environmental Economics : a tribute to Philippe Michel", University Paris Ouest, 7-8th of June.

#### **EDUCATIONAL ACTIVITIES**

##### **Teaching Activities**

Since

. "Basics in Econometrics" & "Panel Data Econometrics", Doctoral Education Program, Paris Ouest (10h per year).

**2013**

. "Econometrics : theory and applications using STATA" M.Sc. APE, University Paris Ouest (10h per year).

- 2006 - 2013** . **Tutorial Classes** in "**Econometrics**" for undergraduates, University Paris Ouest (2-3 weeks per year).
- 2012** . **Short Course** named "*Climate change and energy economics : overview of the international negotiations*", M.Sc. DET, University Paris Ouest (5h).  
 . **Short Course** named "*Which energy transition to fight against climate change ?*", M.Sc. DET, University Paris Ouest (5h).
- 2007 - 2008** . **Short Course** named "*CO2 Economy and Regulations*", M.Sc. RGE, IFP School (5h).  
**Tutorial Classes** in "**Microeconomics**" for undergraduates, University Paris Ouest (2 weeks per year).  
**Supervision Activities**
- 10/2015 -** **Ph.D. Supervisor** for IFPEN of Anthony PARIS.  
- Academic Ph.D. Advisors: Valérie MIGNON (University Paris Ouest) and Julien CHEVALLIER (Paris 8).
- 11/2012 - 01/2017** **Ph.D. Supervisor** for IFPEN of Marion Dupoux.  
- Academic Ph.D. Advisors: Alain AYONG LE KAMA (University Paris Ouest) and Vincent MIGNON (University Paris Ouest).
- Since 2011** Frequent supervisions of Master students doing internship at IFPEN.

# Documents de travail

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**HAL:** [Lien](#)

**02/2017** - Will technological progress be sufficient to stabilize CO2 emissions from air transport in the mid-term?

**Julien Chevallier, Benoît Chèze, Pascal Gastineau**

**02/2017** - The EU Emissions Trading Scheme : Disentangling the Effects of Industrial Production and CO2 Emissions on Carbon Prices

**Emilie Alberola, Julien Chevallier, Benoît Chèze**

**02/2017** - European carbon prices fundamentals in 2005-2007: the effects of energy markets, temperatures and sectorial production

**Emilie Alberola, Julien Chevallier, Benoît Chèze**

**02/2017** - Une méta-analyse des études d'évaluation monétaire par la méthode des prix hédoniques du coût externe des installations de traitement des déchets

**Benoît Chèze**

# Publications

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**2023** - Charles Collet, Pascal Gastineau, Benoît Chèze, Pierre-Alexandre Mahieu, Frédéric Martinez. Combining Economics and Psychology : Does CO2 Framing Strengthen Pro-Environmental Behaviors ?. Ecological Economics, 2023, 214, pp.107984. (10.1016/j.ecolecon.2023.107984). (hal-04291177) <https://ifp.hal.science/hal-04291177v1>

**2020** - Benoît Chèze, Julien Chevallier, Nicolas Berghmans, Emilie Alberola. On the CO2 emissions determinants during the EU ETS Phases I and II: a plant-level analysis merging the EUTL and Platts power data. Energy Journal, 2020, 41 (4), pp.153-184. (10.5547/01956574.41.4.bche). (hal-02379553) <https://hal.science/hal-02379553v1>

**2020** - Benoît Chèze, Maia David, Vincent Martinet. Understanding farmers' reluctance to reduce pesticide use: A choice experiment. Ecological Economics, 2020, 167, pp.106349. (10.1016/j.ecolecon.2019.06.004). (hal-02317175) <https://hal.science/hal-02317175v1>

**2017** - Benoît Chèze, Maia M. David, Vincent Martinet. Farmers' motivations to reduce their use of pesticides: a choice experiment analysis in France. 4ème Conférence annuelle de la FAERE, French Association of Environmental and Resource Economists, Sep 2017, Nancy, France. (hal-01800261) <https://hal.science/hal-01800261v1>

**2013** - Fabio Menten, Benoît Chèze, Laure Patouillard, Frédérique Bouvert. A review of LCA greenhouse gas emissions results for advanced biofuels: The use of meta-regression analysis. Renewable and Sustainable Energy Reviews, 2013, 26, pp.108 - 134. (10.1016/j.rser.2013.04.021). (hal-02647733) <https://hal.inrae.fr/hal-02647733v1>

**2012** - Benoît Chèze, Julien Chevallier, Pascal Gastineau. Will technological progress be sufficient to stabilize CO2 emissions from air transport in the mid-term?. 2012. (hal-04141052) <https://hal.science/hal-04141052v1>

**2011** - Benoît Chèze, Pascal Gastineau, Julien Chevallier. Air traffic energy efficiency differs from place to place: new results from a macro-level approach. Économie Internationale, 2011, pp.31-58. (hal-00991673) <https://univ-paris8.hal.science/hal-00991673v1>

**2009** - Emilie Alberola, Julien Chevallier, Benoît Chèze. The EU ETS: CO2 prices drivers during the learning experience (2005-2007). 2009. (halshs-00389916) <https://shs.hal.science/halshs-00389916v1>

**2009** - Emilie Alberola, Julien Chevallier, Benoît Chèze. Emissions Compliances and Carbon Prices under the EU ETS: A Country Specific Analysis of Industrial SectorsEmissions Compliances and Carbon Price. Journal of Policy Modeling, 2009, 31 (3), pp.446-462. (10.1016/j.jpolmod.2008.12.004). (hal-00649925) <https://hal.science/hal-00649925v1>

**2008** - Emilie Alberola, Julien Chevallier, Benoît Chèze. The EU Emissions Trading Scheme: the effects of Industrial Production and CO2 Emissions on European Carbon Prices. Économie Internationale, 2008, pp.93-126. (hal-00992097)

<https://univ-paris8.hal.science/hal-00992097v1>

**2008** - Emilie Alberola, Julien Chevallier, Benoît Chèze. The EU Emissions Trading Scheme : Disentangling the Effects of Industrial Production and CO<sub>2</sub> Emissions on Carbon Prices. 2008. (hal-04140795)

<https://hal.science/hal-04140795v1>

**2008** - Emilie Alberola, Julien Chevallier, Benoît Chèze. Price Drivers and Structural Breaks in European Carbon Prices 2005-07. Energy Policy, 2008, pp.787-797. (hal-00992130)

<https://univ-paris8.hal.science/hal-00992130v1>

**2007** - Emilie Alberola, Julien Chevallier, Benoît Chèze. European carbon prices fundamentals in 2005-2007: the effects of energy markets, temperatures and sectorial production. 2007.

(hal-04139200)

<https://hal.science/hal-04139200v1>

**2007** - Benoît Chèze. Une mété-analyse des études d'évaluation monétaire par la méthode des prix hédoniques du coût externe des installations de traitement des déchets. 2007. (hal-04139215)

<https://hal.science/hal-04139215v1>