



Benoît Chèze

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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 **02/2009** **Research fellow** in Economics at **IFPEN**, Environmental Evaluation & Economics Department. *IFPEN* is a French public-sector research and training center. It has an international scope in the fields of energy, transport and the environment.

Since **11/2011** **Associate Researcher with :**

- . 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 - La Défense.
. 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 I, EHESS, ENGREF, 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 the European Union. 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 de l'Énergie).

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), University Paris Ovest.
- 01/2014**
2006 - 2013
Member of the **Laboratory Council** of EconomiX, University Paris Ovest.
- 2011 - 2013**
Representative of Associate Researchers within EconomiX, University Paris Ovest.
- 2006 - 2011**
Representative of Ph.D. Students within EconomiX, University Paris Ovest.

Conferences and Seminars Organizations

- 2018**
Co-organizer of the **international Workshop** "*Energy players and energy transition: a challenge for energy markets*", IFPEN, 18-19th of June.
- 2016**
Member of the **Scientific Committee** of the **International Conference** on Applied Business Economics (ICABE), co-organized by the University Paris Ovest and the University of Piraeus, Paris Ovest, 1st-2nd of June.
- 2015**
Member of the **Scientific Committee** of the **International Conference** "*Energy prices and financial impacts*", co-organized by the University Paris Ovest and the French Energy Research Institute, Paris Ovest, 4-5th 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 "*Macrodynamics Theory and Environmental Economics : a tribute to Philippe Michel*", University Paris Ovest, 7-8th of June.

EDUCATIONAL ACTIVITIES

Teaching Activities

- Since
Organizer of the course "**Basics in Econometrics**" & "**Panel Data Econometrics**", Doctorale Education Program, University Paris Ovest (10h per year).
- 2013**
Co-organizer of the course "**Econometrics : theory and applications using STATA**" M.Sc. APE, University Paris Ovest (10h per year).

2006 - 2013

. **Tutorial Classes** in "**Econometrics**" for undergraduates, University Paris Ouest (2-3
13 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.
(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 :
13 weeks).

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 M...

Since **2011**

Frequent supervisions of Master students doing internship at IFPEN.

Documents de travail

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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

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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 Bouvart. 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 Sectors Emissions 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. 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>

2008 - Emilie Alberola, Julien Chevallier, Benoît Chèze. The EU Emissions Trading Scheme : Disentangling the Effects of Industrial Production and CO2 Emissions on Carbon Prices. 2008. (hal-04140795)
<https://hal.science/hal-04140795v1>

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>

2007 - Benoît Chèze. Une méta-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>

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>