

SAUSSAY Aurélien

29 years old

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Work experience

January 2014 – Present

PhD Candidate in Energy Economics at CIRED

Research areas: shale oil and gas, energy transition, energy renovation.

April 2013 – Present

French Economic Observatory – Sciences Po Paris

As an economist within the Analysis and Forecasts division, I work on the ThreeME macroeconomics model, specialising in assessing the macroeconomic impacts of energy policies.

July 2010 – April 2013

International Energy Agency – Energy Policy Analyst

As an analyst within the Energy Efficiency Unit, I was focusing on analysing energy efficiency policies, notably in the buildings sector. My projects included:

- *Sustainable Buildings Centre Model*: as part of the buildings team, I was developing an energy model to assess the deepness and magnitude of buildings retrofit programmes and their economic impacts in the EU27.
- *Buildings Energy Efficiency Policy (BEEP)* online database, of which I was one of the lead designers, and which has received an award.
- *Buildings Energy Codes Policy Pathway*: contributing author, providing quantitative analysis of buildings energy consumption trends.
- *Stochastic Frontier Analysis*: novel application of this econometrics methodology to the evaluation of energy efficiency policies.

Mar 2009 – June 2010

International Energy Agency – Consultant

As a consultant within the Energy Efficiency Unit, I have contributed to a number of publications, notably:

- *Energy Efficiency Governance* (IEA, 2010), a worldwide study of best practices in energy efficiency policy governance;
- *Implementing Energy Efficiency Policies: Are IEA member countries on track?* (IEA, 2009), an evaluation of the level of implementation of energy efficiency policies in IEA member countries.

Education

2008 – 2009

Master of Economics and Public Policy,
at **Sciences Po Paris, Ecole Polytechnique and ENSAE**

2005 – 2008

Ecole Nationale Supérieure des Mines de Paris

2003 – 2005

Preparatory classes (Mathematics and Physics, MPSI, MP*)

Honors and Awards

November 2012

Energy Efficiency Innovator Awards

The IEA BEEP database was honoured at the 2012 Euro-Mediterranean Energy Efficiency Forum.

Working papers

2015 **Can the U.S. shale revolution be duplicated in Europe?**
Sciences Po / French Economic Observatory

Conference papers

2015 **Heterogeneity in price elasticity of household gasoline demand**
38th IAEE Conference (2015)

2014 **Can the U.S. shale revolution be duplicated in Europe?**
37th IAEE Conference (2014)

2013 **Renovation of the EU buildings stock: an opportunity for the EU gas dependency,**
with Saheb Y., Johnson C. and Rozite V., IEPEC Conference (2013)

2013 **How to make efficient buildings a reality in Russia?**
with Zhitenko T., Saheb Y. and Levina E., ECEEE Conference (2013)

2012 **The Impact of Building Energy Codes on the Energy Efficiency of Residential Space Heating in European countries – A Stochastic Frontier Approach**
with Saheb Y. and Quirion P., IEPEC Conference (2012)

Other publications

2014 **Green the Union: an Investment Strategy towards a Sustainable EU**
with Demailly D., Timbeau X. in *Independent Annual Growth Survey*, OFCE (2014)

2013 **Modernising Building Energy Codes to Secure our Global Energy Future,**
with Saheb Y., IEA (2013)

2011 **Progress Implementing the IEA 25 Energy Efficiency Recommendations,**
with Pasquier S., IEA (2011)

2010 **Energy Efficiency Governance,**
with Heffner G., Jollands N. and Pasquier S., IEA (2010)

2009 **Implementing Energy Efficiency Policies: Are IEA Member Countries on Track?,**
with Jollands N. and Pasquier S., IEA (2009)