

**Nicolas Astier**

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**Current position - French Energy Regulatory Commission**

Economist at the Networks Directorate (electricity transmission department) :  
- analysis of the French TSO main investments (with a focus on interconnectors)  
- design of electricity networks' access fees

**Education**

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**Toulouse School of Economics** - PhD in Economics 2013 - 2017  
Dissertation : *Essays on the economics of modern electricity markets*  
Supervisors : Thomas-Olivier Léautier and Jean Tirole

**Stanford University (USA)** - MoS *Atmosphere and Energy* 2011 - 2012

**Ecole Polytechnique (Palaiseau)** - *Energies of the XXIst Century* MS program 2008 - 2011

**Publications**

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- *Comparative feedbacks under incomplete information*, Resource and Energy Economics, 2018  
- *Good Consumer or Bad Consumer : Economic Information Revealed from Demand Profiles* (with Yang Yu, Guangyi Liu, Wendong Zhu, Fei Wang, Bin Shu, Kai Zhang and Ram Rajagopal), IEEE Transactions on Smart Grid, 2017  
- *On associations between Tropical Cyclone activity in the South-West Indian Ocean and El Niño Southern Oscillation* (with Matthieu Plu and Chantal Claud), Atmospheric Science Letters, 2015

**Working papers**

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- *Demand response : smart market designs for smart consumers* (with Thomas-Olivier Léautier), (revise and resubmit in the Energy Journal), 2018  
- *Ensuring Capacity Adequacy in Liberalised Electricity Markets* (with Xavier Lambin), (revise and resubmit in the Energy Journal), 2018  
- *Little House on the Prairie*, 2017  
- *Second-best pricing when markets are incomplete*, 2018

**Grants and awards**

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French Association of Energy Economists second student prize, 2014  
PhD grant from the French Department of Energy, 2013-2016

## **Other research activities**

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### **Research stay**

UC Berkeley, spring 2016

### **Presentations (seminars, conferences, summer schools)**

2018 : seminar at IFP (Paris), senior discussant at the Winter Student Workshop of the French Association of Energy Economists (Paris)

2017 : invited seminar at CIRED (Paris), senior discussant at the Winter Student Workshop of the French Association of Energy Economists (Paris)

2016 : ENTER seminar at the SSE (Stockholm), poster at the Annual conference of the International Association of Energy Economists (Bergen)

2015 : EWI CIES Summer School (Cologne), Tenth Conference on The Economics of Energy and Climate Change (Toulouse)

2014 : Young Economists seminar of the French Association of Energy Economists (Paris)

### **Refereeing service**

IEEE Transactions on Smart Grid