

Clément Cabot, PhD

*PhD in Energy Economics.
CentraleSupélec Engineer.*

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Scientific Interest

Keywords: Energy transition, Net-Zero pathways, Power system, Market designs, Market power

Education

PhD, Mines ParisTech, PSL, CERN, Paris. **Sept.2018**
PhD in Energy economy. Directed by Pr. François Lévêque. Member of the Transition Institute 1.5°. "Economic considerations on the demand-side of electricity markets in a context of energy transition"

MSc, CentraleSupélec, Supélec. **2014–2018**
Top French *Grandes Ecoles*. Specialisation in Computer Science & Renewable energy sources .

CPGE La Martinière Monplaisir, Lyon. **2012–2014**
Two-year intensive program in mathematics and physics, preparing for the national competitive exam for entry to the French top-level engineering schools. Ranked 35th out of 936.

Baccalauréat, French secondary school leaving diploma, with first class honours. **2012**

Professional Experience

Manager, Deloitte. **2022–Today**
Direct supervision of 2-5 team members
In charge of client engagement (200€ to 1M€). Commercial development.
Expert for audit team, regulatory analysis, techno-economic assessment.

Senior Energy Economist, Deloitte Economic Advisory, CDI, Paris. **Sept.2018– Today**
Senior energy economist, Manager. Extensive experiences in the energy & climate field, notably :

- Energy & climate policy quantitative and qualitative analysis
- PPA pricing support to private actors. Monte-Carlo analysis.
- Investments & energy strategy evaluation for large industrial player
- Financial & climate statement analysis, supporting Deloitte's Audit team
- Industrial decarbonisation pathways in Europe (scope 1-2-3)
- Lead developer of DEEM, DARE & HyPE Deloitte's power, energy system and hydrogen trade techno-economic optimisation model.

Energy Climate Analyst, Groupe d'Etudes Géopolitiques, Think Tank, Paris. **Sept.2018–Sept.2020**

Research Engineer, RTE R&D Innovation, sandwich course, Paris. **Sept.2017–Aug.2018**

- Analysis of the impact of the new market regulations and power mix.
- Lead developer of a French power model frequency model.

Data Project Manager, numberly, 6 months internship, London. **Jan.2017–Jul.2017**

Infrastructure Project Manager, Ubisoft, 6 months internship, Paris. **Jul.2016–Dec.2016**

Short industrial placements, Volvo, Lyon. **Jul. 2015**

Publication

Journal Articles

2024: Shirizadeh, B. et al, Climate neutrality in European heavy-duty road transport : How to decarbonise trucks and buses in less than 30 years?, Energy Conversion and Management Volume 309, 118438.

2023: Cabot, C., Villavicencio, M., expected 2024, Second-best electricity pricing in France : effectiveness of existing tariffs in evolving power markets

2023: Cabot, C., Villavicencio, M., expected 2024, The demand-side flexibility in liberalised power market : a review of current market design and objectives

2022: Seck, G.S. et al., 2022, Hydrogen and the decarbonization of the energy system in europe in 2050 : A detailed model-based analysis. Renewable and Sustainable Energy Reviews 167, 112779.

In Conference Proceedings

2022: Cabot, C., Villavicencio, M., 2022. Electrification of the hard-to-abate sectors : implication for Net-Zero power systems in Europe, in : 2022 18th International Conference on the European Energy Market (EEM). IEEE, pp. 1–5.

Press

2023: Le Parisien Economie, "CDI et doctorat, c'est possible" (Interview)

2022: Cabot, C. et al., Facing the electricity crisis in Europe, Deloitte France

2020: Cabot, C., L'hydrogène, nouvel eldorado européen ?, Le Grand Continent

2020: Cabot, C., Les marchés du carbone à l'aune de la crise du Covid-19, Le Grand Continent

2020: Cabot, C., Covid-19 et marché de l'électricité : quelles conséquences à long terme ?, Le Grand Continent

Conferences

43rd international conference of the International Association of Energy Economists (IAEE), 40th International Energy Workshop (IEW), 18th International Conference on the European Energy Market (EEM), 28th and 30th Young Energy Economists and Engineers Seminar (YEES), FSR workshop on Future Electricity tariffs, PSL research seminar

Teaching

Fundamentals of energy economy, *Mines Paris, Deloitte, CRE, Paris, Abidjan.* **2022**
Energy regulation : liberalisation of the electricity sector. In charge of wholesale electricity market design & economics of renewables energy sources.

Languages

French: Mother tongue

English: Fluent

German: Basic knowledge

Computer skills

Office: Excel VBA

Data: SQL

Programming: R, Python

Optimisation: GAMS

Interests

Sport: Outdoor : Climbing, Trail, Cycling