



Ibtissem KHELIFATI

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Paris, France

CURRENT POSITION - PHD STUDENT IN ENERGY ECONOMICS

Doctoral researcher since October 2024 in **energy economics** at UMI SOURCE (IRD, UVSQ, Paris-Saclay University) and the Climate Economics Chair (Université Paris-Dauphine).

My thesis is entitled "**Towards Resilience: Socio-Economic Dimensions of Low-Carbon Power Systems facing Climate Change**" (*Vers la résilience : dimensions socio-économiques des systèmes électriques bas-carbone face au changement climatique*) and is part of the **PowDev** project (Strategic development of the electricity networks of the future) of the **PEPR TASE** (Advanced Energy Systems Technologies).

EDUCATION

• 2nd year Master's Degree in Energy, Finance, and Carbon

2023-2024

Paris-Dauphine University

Paris, France

- Master's thesis : "*Economic and Societal Perspectives of Deploying Renewable Energy in a Climate Changing World*" (Grade : 17/20)
- Key topics: Energy economics, Electricity and Gas Markets Modelling, Carbon Pricing Mechanisms, Econometrics, Climate Finance

• Master's Degree of Philosophy

2022-2024

Paris-Nanterre University

Nanterre, France

- 2nd year Master's thesis: "*Expansion économique et pleonexia : la sobriété comme prospérité à la marge*" (Grade: 16/20)
- 1st year Master's thesis: "*La vertu de tempérance et l'idéal de mesure : lecture ancienne de la notion actuelle de sobriété*" (Grade: 18/20)
- Key topics: Ancient Greek Philosophy, History of Philosophy, Moral philosophy, Epistemology, Environmental philosophy

• 1st year Master's Degree in International Affairs and Development

2021-2022

Paris-Dauphine University

Paris, France

- Specialisation in Sustainable Development

• Double Bachelor's Degree in Economics and Philosophy

2018-2021

Paris 1 Panthéon-Sorbonne University

Paris, France

EXPERIENCE

• Research Assistant Intern

April 2024-September 2024

Climate Economics Chair and UMI SOURCE

Paris, France

- Participation in the project PowDev of the PEPR TASE
- Preparation for a doctoral project on the power system resilience: literature review and preliminary research

• Renewable Energy Project Manager

March 2023-August 2023

VDN (Vents du Nord)

Asnières-sur-Seine, France

- Wind and solar projects development and management, feasibility studies
- Technical and financial project optimisation
- Local coordination with municipalities and renewable energy stakeholders

- **Assistant Project Manager Intern**

September 2022-February 2023

VDN (Vents du Nord)

Asnières-sur-Seine, France

- Suitable sites identification for renewable energy projects and assistance in project management tasks
- Organisation of public consultations and local coordination for renewable energy projects

TEACHING & STUDENT SUPERVISION

- **Teaching Assistant, "Informatique-Statistiques" (TD)** 2025-2026
L1 Économie-Gestion, Semester 1, UVSQ 12 hours
- **Teaching Assistant, "Macroéconomie 1" (TD)** 2025-2026
L1 Économie-Gestion, Semester 2, UVSQ 32 hours
- **Doing Good Better – Effective altruism (CM)** 2024-2025
L3 Sciences pour un monde durable, Semester 1, PSL University 9 hours
 - Meta-Ethics notions and concepts, Ethics of Altruism, Moral Philosophy
- **Student project and Internship supervision** 2024-2026
Master 1 & 2 EEDS (UVSQ), UMI SOURCE, Climate Economics Chair
 - 2025-2026: Supervision of a tutored project on electricity demand and socio-economic factors (M1 & M2 EEDS)
 - 2025-2026: Co-supervision of a Master 2 research internship on an energy vulnerability indicator integrating climate extremes exposure
 - 2024-2025: Supervision of a tutored project and a research dissertation linked to the PowDev project (M2 EEDS)

RESEARCH WORKS

- **Working papers**
 - Khelifati I., Goutte S., Boroumand R., **Electricity Prices Dynamics under Geopolitical Shocks: Assessing Resilience on the Path to Decarbonization**. HAL working paper, Aug. 2025 (under review, revision in progress).
 - Khelifati I., Coudray T., **Structural and Socio-Economic Regional Determinants of Electricity Load under Temperature Extremes: Evidence from France**. 2026 (in progress).
 - Damestoy C., Khelifati I., Clautiaux F., Prunet T., Goutte S., **From Blackouts to Flexibility: Socio-Economic Optimisation Models for Next Generation Power Grids**. 2026 (preliminary results, in progress).
 - Warunasinghe S., Khelifati I., Goutte S., Swishchuk A., **A Novel Stochastic-Copula Model for the French Electricity Market**. 2026 (preliminary results, in progress).
- **Book chapters**
 - Khelifati I., **Mécanismes économiques et implications philosophiques de la sobriété : lecture ancienne et perspectives contemporaines**, in: *Les lois somptuaires, une institution à réactiver ?*, Raison Publique (forthcoming, 2026).
 - Hawi R., Geronimi V., Khelifati I., Madioune É. M., Mathieu A., Ngirane M. M., Pian L., Thiaw D., Rihi Y., **La science de la durabilité face aux défis des inégalités de recherche**, in: *Les angles morts des inégalités : dialogues disciplinaires, territoriales, thématiques dans les Suds*, GT Inégalités de l'IRD (in progress).
- **Popularisation articles**
 - Burq A., Akakpo-Numado A., Cazzaniga G., Khelifati I., Yang X., Bassière A., Barros A., **Black-out, un risque énergétique grandissant**, Revue SEER du PEPR TASE, n°1, June 2025.
 - Bassière A., Coudray T., Khelifati I., Akakpo-Numado A., Nekouanodji G. D., **Vagues de chaleur et résilience. Quand la chaleur rencontre le système électrique**, Revue SEER du PEPR TASE, n°2, June 2026.

CONFERENCES AND ACADEMIC PARTICIPATION

- **Workshop PowDev (PEPR TASE), 5th edition** 30 March & 1 April 2026
Hosted by WP3 (UMI SOURCE) Paris, France
 - PhD thesis and WP3 progress

- **Energy Finance Christmas Workshop** 11 & 12 December 2025
Wrocław University of Science and Technology Wrocław, Poland
 - Communication: *Electricity Prices Dynamics under Geopolitical Shocks: quantile regressions and Markov-switching methods for extreme prices and regime changes*

- **Climate Finance and Policy** 21 November 2025
University of Montpellier, AVSE Global, EMLV Montpellier, France
 - Communication: *Electricity Prices Dynamics under Geopolitical Shocks: quantile regressions and Markov-switching methods for extreme prices and regime changes*

- **Workshop PowDev (PEPR TASE), 4th edition** 13 & 14 November 2025
Hosted by WP1 (LSCE) Paris-Saclay, France
 - PhD thesis and WP3 progress

- **Doctoral Autumn School** 13-17 October 2025
PEPR TASE France

- **Workshop PowDev (PEPR TASE), 3rd edition** 3 July 2025
Hosted by WP4.2 (INRIA) Bordeaux, France
 - PhD thesis and WP3 progress

- **ISCFS 2025 – International symposium on climate finance and sustainability** 19 & 20 June 2025
AVSE Global, EMLV, Paris-Dauphine-PSL, Paris II Panthéon-Assas, Paris Saclay Paris, France
 - Communication: *Electricity Prices Dynamics under Geopolitical Shocks: TVP-VAR approach to volatility transmission*

- **46th IAEE International Conference** 16, 17 & 18 June 2025
IAEE Paris, France
 - Communication: *Electricity Prices Dynamics under Geopolitical Shocks: TVP-VAR approach to volatility transmission*

- **2nd PPSEE – Parisian PhD Seminar on Economics and Environment** 15 April 2025
Nanterre University Nanterre, France

- **PhD Day** 4 April 2025
Climate Economics Chair Paris, France

- **4th Momentum International Congress** 4 April 2025
Paris Saclay University Saclay, France
 - Communication: *Electricity Prices Dynamics under Geopolitical Shocks: first empirical results: structural break tests and regression analysis*

- **Workshop PowDev (PEPR TASE), 2nd edition** 3 & 4 March 2025
CentraleSupélec Paris, France
 - WP3 progress updates

- **Workshop on Sustainable Development and Resilience of Energy Markets** 20 & 21 February 2025
Macquarie University, Paris Saclay University Sydney, Australia
 - Communication: *Powering Energy Security: Which implications of Renewables for Resilience in a World of Uncertainty?*

- **International Conference SESTEF 2024** 11, 12 & 13 December 2024
Université Paris 1 Panthéon-Sorbonne Paris, France
 - Communication: *Investigating the Role of Renewable Energy Deployment for Resilience in Times of Geopolitical and Climate Instability*
- **Les lois somptuaires : une institution à réactiver ?** 16 & 17 October 2024
Université Paris 2 Panthéon-Assas Paris, France
 - Communication: *Implications philosophiques et mécanismes économiques de la sobriété : lecture ancienne et perspectives contemporaines*
- **Workshop PowDev (PEPR TASE), 1st edition** 7, 8 & 9 October 2024
Université Grenoble Alpes Grenoble, France
 - Work Package 3 presentation: *Socio-economic scenarios for increased renewable energy deployment in a climate changing world*

PEER REVIEW

- **Nature Communications** 2025-2026
Junior reviewer
- **Development and Sustainability in Economics and Finance (DSEF)** 2024-2025
Reviewer
- **Mondes en développement** 2024-2025
Reviewer

COMMUNITY INVOLVEMENT

- **Doctoral Student Representative, ED EM (Économie et Management)** 2025-2026
Paris-Saclay University
- **Doctoral Student Representative, ED DEM (Droit, Économie et Management)** 2024-2025
Paris-Saclay University
 - Representation of doctoral students' interests within the doctoral school's governing bodies
- **Co-founder, Monthly early career researchers webinar series** 2025-2026
PEPR TASE
 - Co-creation and organisation of a monthly webinar series for early-career researchers within the PEPR TASE community
- **Active member of the Energy Finance Carbon Master's Association** 2023 - 2024
Paris-Dauphine University
 - Communication and events organisation
 - Representation and support for the master's students
- **Vice-President of ADEP (Economics and Philosophy Dual Degree Association)** 2019 - 2021
Paris 1 Panthéon Sorbonne University
 - Seminars and events organisation for the student community
 - Mentorship and support for dual degree students

SKILLS

- **Doctoral Trainings:** Bibliometrics, Social Sciences and Humanities Data, Power Grids: Challenges and Transition, Research Ethics, Optimisation (Operations Research)
- **Languages:** French (Native), English (C1), German (C1), Ancient Greek
- **Programming Languages:** R, Python, LaTeX
- **GIS:** QGis, ArcGis
- **Softwares:** Microsoft Office Suite
- **Renewable Production Calculation Tools:** WindPro, Helioscope