



## Employment

Lecturer in Economics (ater) at University of Paris 1 Panthéon-Sorbonne

Research fellow at the EIEA Chair (ABS-UM6P and Mines ParisTech)

## Education

- 2021 – 2025 • **Ph.D. in Economics, University of Poitiers, EIEA Chair (ABS-UM6P and Mines ParisTech)**, Poitiers, Paris (France) and Rabat (Morocco).  
Thesis title: *Mining in Africa at a Crossroads: Development, Environmental Stress, and Conflict Dynamics*.  
Supervisor: *Ahmed Tritah*
- April – September 2024 • **Visiting scholar, Arizona State University**, Arizona (US).  
(1) Impact of mining and energy use on national decarbonization goals;  
(2) Study the impact of the integration of mining and power on energy access, focusing on local disadvantaged populations and national-scale analyses.  
Supervisor: *Nathan Johnson*
- 2020 – 2021 • **Pre-Doctoral in Economics, Mines ParisTech**, Paris (France).  
Supervisors: *Ahmed Tritah; Raja Chakir; Flore Gubert*
- 2018 – 2020 • **Research Master (Magister) in Development Economics, Clermont Auvergne University - CERDI**, Clermont-Ferrand (France).  
Thesis title: *Mining, energy, and environment in SSA*.  
Supervisors: *Jean Louis Combes, Théophile Azomahou*
- 2017 – 2018 • **Bachelor in Economics, Clermont Auvergne University - CERDI**, Clermont-Ferrand (France).
- 2014 – 2017 • **Bachelor in Economics, Université Cheikh Anta Diop, FASEG**, Dakar (Senegal).

## Experience

- April-Sept 2025 • **Consultant:** Development Research Group DECRG, focusing specifically on the [Energy in Africa](#) Initiative, World Bank, Washington DC, US.  
Research Assistant on "*Electrifying Africa's Economic Transformation: What Policy-Mix Should Governments Pursue?*" Policy Paper (by September 2025)  
TTL: *Stuti Khemani; Megan Elizabeth Lang*
- April-Aug 2024 • **Consultant:** Laboratory for Energy And Power Solutions ([LEAPS](#)), Arizona, US.
- 2021 – present • **Associate Researcher:** [Energy and Prosperity Chair](#), [EIEA Chair \(Mines Paris Tech and UM6P\)](#), the [CR-Sahel](#).
- 2018 – present • **Lecturer in Economics:**  
**University of Paris 1 Panthéon-Sorbonne**  
2025-2026: Macroeconomics and Monetary Instrument  
2022-present: History of Economics  
**University of Poitiers**  
2024-2025: Microeconomics, Macroeconomics, and Economic Analysis  
**Clermont Auvergne University**  
2018-2019: Mathematics and Statistics

## Experience (continued)

- Feb-Jul 2021 • **Intern**, CERNA (Mines ParisTech), Paris (France).  
Training on energy and mining exploitation. Analytical and Quantitative methods used in economic research.  
Supervisor: *Pierre Noel Giraud*
- 2018 – 2019 • **Intern, Research Study Assistant**, Clermont Auvergne University - CERDI, Clermont-Ferrand (France).  
Modeling and analysis of African climate data (mapping and interpretation) with Rstudio (R-shiny) and Quantum GIS.  
Supervisor: *Catherine Araujo Bonjean*

## Skills

- Languages • English (fluent), French (native)
- Softwares • Stata, R (R Markdown, R Shiny, Machine Learning, Web Scrapping), Python, Eviews, QGIS, ArcGIS, Microsoft Office,  $\text{\LaTeX}$ .
- Misc. • Academic research, Teaching, Training, and Consulting.

## Improving Skills: Training and Certification

- July-August, 2025 • **Workshop on Research Design for Causal Inference (Program)** from Northwestern Pritzker School of Law, Chicago, United States. [Main](#) and [Advanced](#) Causal Inference certifications.
- October 2023 • **Geographic Data Science for Sustainability** from University of Jena, in Germany (EC2U-Autumn School). [Data Science Certification link](#).  
The autumn school provides an overview of state-of-the-art machine-learning techniques for geospatial and environmental analysis and modelling.
- March 2023 • **Thematic School on Public Policy Evaluation** from CNRS, in Aussois, France (TEPP-Winter School). [Program link](#).
- July 2022 • **Spatial Analysis in Health and Environment Researches with SIG** from Universidade de Coimbra, Portugal (ERASMUS-Summer School). [SIG Certification link](#).  
This introductory GIS, environment, and health course has equipped me with practical experience in handling spatial data and utilizing analysis methods through platforms such as R Studio, ArcGIS, and QGIS.
- 2022 • **Spatial Data Analysis with R and Qgis** from UDEMY (Online courses). [Introductory R and Qgis Certification link](#) and [R and Qgis Certification link](#).

## Awards and Fellowships

- 2021–2024 • Research Fellowship of the EIEA chair (€1,600 per month)
- April 2024 • Grant for international mobility from Foundation Poitiers: €2,000
- October 2023 • Grant for international mobility from EC2U in Europe: €2,500
- July 2022 • Grant for international mobility from EC2U in Europe: €2,000

## Fields of interest

- Natural resources, Energy Economics, Environmental and Resource Economics, Development economics, Public Economics, Political Economy, Applied econometrics, Spatial econometrics and GIS, Impact Evaluation, and Applied Econometrics.

# Research

## Publications and Working Papers

- 1 A. Cisse, **M. Diouf**, and M. Lang, "Income elasticities of electricity demand in developing countries," *In progress*, 2025.
- 2 **M. Diouf**, "Natural disasters kill natural resources: Is mining investment for energy transition risk?" *In progress*, 2025.
- 3 **M. Diouf**, T. Kemabonta, and N. Johnson, "Mining and power: Energy access in sub-saharan africa," *In progress*, 2024.
- 4 **M. Diouf** and R. C. Vincent, "Mining, local governance and urbanization in africa," *In progress*, 2024.
- 5 **M. Diouf**, R. Soubeyran, and A. Tritah, "The new mining rush: How mining discoveries displace conflicts in africa," *Working Paper*, 2023.
- 6 **M. Diouf**, "More than light: Energy and malaria in africa," *Working Paper*, 2023.
- 7 **M. Diouf**, R. Chakir, and A. Tritah, "Under the canopy: Mining and deforestation in sub-saharan africa," 2022.

## Presentations

### 2025

CSAE Oxford Conference (Oxford, UK); Journées de Microéconomie Appliquée-JMA (University of Poitiers); COS-PETROGAZ (Dakar, Senegal); L'Association des Economistes et Gestionnaires du Cameroun (AEGC); Workshop in development economics-University of Luxembourg and the Gaston Berger University (Saint Louis-du-Sénégal)

### 2024

Global Energy Transition and Development: Africa at Crossroads (Mines Paris PSL, 67 Boulevard Saint-Michel, Paris, France); School of Sustainability, ASU (Arizona, USA); Université d'Orléans, LEO (Orléans, France)

### 2023

International Conference on Economics, Business and Risk Strategies-ICEBRS (University of Coimbra, Portugal); Journées de Microéconomie Appliquée-JMA (University of Strasbourg); International Conference on Development Economics-AFEDEV (Paris School of Economics, Paris, France); Africa Meeting of the Econometric Society-AFES (Nairobi, Kenya); Interdisciplinary Ph.D. Workshop in Sustainable Development-IPWSD (Columbia University, New York, USA); CSAE Oxford Conference (Oxford, UK); Annual Meeting of the Southern Economic Association-SEA (New Orleans, Louisiana, USA).

### 2022

4th Conference on Econometrics for Environment-CE2-2022 (Rabat, Morocco); Semaine Data SHS (University of Poitiers, Poitiers, France)

## References

### Ahmed Tritah

Professor  
University of Poitiers, UM6P, Mines  
Paris PSL (Cerna), EIEA Chair, Chair  
«Energy and Prosperity».

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### Raja Chakir

Professor  
Paris Saclay Applied Economics,  
INRAE-AgroParisTech.

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### Mathieu Couttenier

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Ecole Normale Supérieure de Lyon

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### Megan Lang

Development economist  
Development Research Group, World  
Bank.

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