

DIOUF Mboundor, Ph.D. candidate in Economics

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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.

Education

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| April – September 2024 | <ul style="list-style-type: none">• 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: <i>Nathan Johnson</i> |
| 2021 – present | <ul style="list-style-type: none">• Ph.D. candidate in Economics, University of Poitiers, EIEA Chair (Mines ParisTech and UM6P), Poitiers, Paris (France).
Thesis title: <i>Mining in Africa at a Crossroads: Development, Environmental Stress, and Conflict Dynamics</i>.
Supervisor: <i>Ahmed Tritah</i> |
| 2020 – 2021 | <ul style="list-style-type: none">• Pre-Doctoral in Economics, Mines ParisTech, Paris (France).
Supervisors: <i>Ahmed Tritah; Raja Chakir; Flore Gubert</i> |
| 2018 – 2020 | <ul style="list-style-type: none">• Research Master (Magister) in Development Economics, Clermont Auvergne University - CERDI, Clermont-Ferrand (France).
Thesis title: <i>Mining, energy, and environment in SSA</i>.
Supervisors: <i>Jean Louis Combes, Théophile Azomahou</i> |
| 2017 – 2018 | <ul style="list-style-type: none">• Bachelor in Economics, Clermont Auvergne University - CERDI, Clermont-Ferrand (France). |
| 2014 – 2017 | <ul style="list-style-type: none">• Bachelor in Economics, Université Cheikh Anta Diop, FASEG, Dakar (Senegal). |

Experience

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| April 2025– June 2025 | <ul style="list-style-type: none">• Consultant: Development Research Group DECRG, focusing specifically on the Energy in Africa Initiative, World Bank, Washington DC, US.
Research Assistant on "<i>Electrifying Africa's Economic Transformation: What Policy-Mix Should Governments Pursue?</i>" Policy Paper (by September 2025)
TTL: <i>Stuti Khemani; Megan Elizabeth Lang</i> |
| April 2024–Aug 2024 | <ul style="list-style-type: none">• Consultant: Laboratory for Energy And Power Solutions (LEAPS), Arizona, US. |
| 2021 – 2024 | <ul style="list-style-type: none">• Associate Researcher: Energy and Prosperity Chair, EIEA Chair (Mines Paris Tech and UM6P), the CR-Sahel. |
| 2018 – present | <ul style="list-style-type: none">• 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)

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| Fev 2021–Jul 2021 | <ul style="list-style-type: none">• Intern, CERNA (Mines ParisTech), Paris (France).
Training on energy and mining exploitation. Analytical and Quantitative methods used in economic research.
Supervisor: <i>Pierre Noel Giraud</i> |
| 2018 – 2019 | <ul style="list-style-type: none">• 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: <i>Catherine Araujo Bonjean</i> |

Skills

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

Improving Skills: Training and Certification

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| July 28-August 6, 2025 | <ul style="list-style-type: none">• 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 | <ul style="list-style-type: none">• 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 | <ul style="list-style-type: none">• Thematic School on Public Policy Evaluation from CNRS, in Aussois, France (TEPP-Winter School). Program link. |
| July 2022 | <ul style="list-style-type: none">• 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 | <ul style="list-style-type: none">• 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

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| 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 |

Research

Research Articles

- 1 **M. Diouf**, R. Soubeyran, and A. Tritah, “The new mining rush: How mining discoveries displace conflicts in africa,” *Working Paper*, 2023-2024.

- 2 **M. Diouf** and R. C. Vincent, "Mining, local governance and urbanization in africa," *Working Paper (in progress)*, 2024-2025.
- 3 **Mboundor Diouf**, "Natural disasters kill natural resources: Is mining investment for energy transition risk?" *Working Paper (in progress)*, 2025-2026.
- 4 A. Cisse, **M. Diouf**, and M. Lang, "Income elasticities of electricity demand in developing countries," *in progress*, 2025.
- 5 **M. Diouf**, T. Kemabonta, and N. Johnson, "Mining and power: Energy access in sub-saharan africa," (*In progress*), 2024.
- 6 **Mboundor Diouf**, "Electricity access and malaria in sub-saharan africa," *Working Paper*, 2023.
- 7 **M. Diouf**, R. Chakir, and A. Tritah, "Under the canopy: Mining and deforestation in sub-saharan africa," 2022.

International Conferences

- 1 In *Seminaire*, COS-PETROGAZ, Dakar, Senegal, 2025.
- 2 In *CSAE Oxford Conference: Economic Development in Africa*, Oxford, UK, 2025.
- 3 In *Seminaire*, Université d'Orléans, Léo, Orléans, France, 2024.
- 4 In *Seminaire*, School of Sustainability, ASU, Tempe, Arizona, USA., 2024.
- 5 In *Global Energy Transition and Development: Africa at Crossroads*, Mines Paris PSL, 67 Boulevard Saint-Michel, Paris, France, 2024.
- 6 In *93rd Annual Meeting of the Southern Economic Association (SEA)*, New Orleans, LA, US, 2023.
- 7 In *CSAE Oxford Conference: Economic Development in Africa*, Oxford, UK, 2023.
- 8 In *Interdisciplinary Ph.D. Workshop in Sustainable Development (IPWSD)*, at Columbia University in the City of New York, US, 2023.
- 9 In *The 2023 Africa Meeting of the Econometric Society (AFES 2023)*, at the AERC in Nairobi, Kenya, 2023.
- 10 In *ICDE 2023: International Conference on Development Economics, AFEDEV*, at the Paris School of Economics in Paris, France, 2023.
- 11 In *Journées de Microéconomie Appliquée (JMA)*, at the University of Strasbourg, France, 2023.
- 12 In *International Conference on Economics and Business Roads to Sustainability (ICEBRS)*, at the Faculty of Economics of the University of Coimbra (FEUC), Portugal, 2023.
- 13 In *4th Conference on Econometrics for Environment (CE2-2022)*, Rabat, Morocco, 2022.
- 14 In *Semaine Data SHS 2022*, University of Poitiers, Poitiers, France., 2022.

References

Ahmed Tritah

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

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Megan Elizabeth Lang

Economist, World Bank
Development Research Group

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Raja Chakir

Professor
Paris Saclay Applied Economics,
INRAE-AgroParisTech.

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