

Mohamed BOLY

Ph.D Candidate in Economics, Consultant

2 Rue Seigne
63000 Clermont-Ferrand (France)
☎ +33 6 62 04 97 91
✉ mohamed.boly05@gmail.com
Date of Birth: may 3rd 1993
Citizenship: Burkinabe



Fields of interest

Macroeconomics, Microeconomics, Development Economics, Environmental and Resource Economics, Climate Change Policies, International Development Finance, Applied Econometrics, Labor Economics, Private Sector Development

Education

- Oct 2015–Dec 2020 **Ph.D Candidate in Economics,**
[Centre for Studies and Researches on International Development \(CERDI\)](#)
[University Clermont Auvergne](#), Clermont-Ferrand (France)
Topic: «*Essays on foreign aid, political cycles and environmental degradation*»
Supervisors: [Pascale MOTEL-COMBES](#) and [Théophile AZOMAHOU](#).
- 2013-2015 **M.Sc in Development Economics (Magistère), with Honors,**
[CERDI, University of Auvergne](#), Clermont-Ferrand (France)
Master thesis: *Official Development Assistance and Pollution: what relationship in developing countries? Panel co-integration and non-parametric approaches.*

Work Experience

Professional experience

- March-Dec 2020 **Consultant, [The World Bank](#), [EFI-LCR-FCI Finance](#),**
I am working on the determinants of firm productivity growth, labor demand and resource misallocation in Ecuador, using the World Bank Enterprises Survey (WBES) and data from the National Institute of Statistics and Censuses (INEC) of Ecuador. I am testing characteristics structural to the firm, as well as those related to exogenous production function choices and those endogenous to changes in internal policies.
I also use a recent wave of WBES to analyze the impact of violence on firms' performance and labor demand in Haïti, following the previous social crisis in the country. The results of this analysis are inputs for the Country Private Sector Diagnostic (CPSD). Moreover, I am contributing to the design of the Private Sector Jobs and Economic Transformation (PSJET) project in Haïti, which aims at supporting labor demand by strengthening Micro, Small and Medium Enterprises (MSMEs) resilience through capital-centric interventions. I perform the economic analysis of the project and provide all the quantitative evidence needed to support the design.
- July-Dec 2019 **Research Assistant, [International Labour Organization](#), [Research Department](#) (Geneva),**
As an intern with the Policy Evaluation Team of the Research Department, I was working on the finalization of the research project "What works: Leveraging the complementarities between income support and active labor market policies". My main tasks involved preparing literature reviews, conducting data cleaning and analysis (both in Excel and Stata), drafting inputs on specific topics as well as responding to ad hoc requests (e.g. presentations).
I provided timely inputs during the project's final phase, which ended with the publication of the following report: [What Works: Promoting Pathways to Decent Work, Print: 978-92-2-133949-6\[ISBN\]](#)
I also contributed to draft the research strategy of my unit for the years 2020-2021, centered around the effect of environmental policies and disruptive technologies on labor markets dynamics.

- April-June 2014 **Intern Research Assistant, Laboratory of Applied Statistics in Analysis and Research in Economics (Casablanca),**
As an intern, my job was to build a customer database from a household survey carried out by two Moroccan microfinance institutions. I then conducted a study on the impact of socio-economic characteristics of clients on their repayment behavior in microcredit.
 Internship report: *Socio-economic characteristics of households and quality of repayment of micro-credit in Morocco.*
- Teaching experience**
- 2018-2019 **Junior Lecturer, University Clermont Auvergne, 193 hours (Clermont-Fd)**
- Courses: Quantitative Methods, Sustainable Development, Microeconomics. Master «Global Development Policies (GLODEP, Erasmus Mundus, Funded by the European Union)» (english)
 - Tutorials Econometrics using STATA. Masters «Development Economics» and «International Finance and Economics»(english)
 - Tutorials Econometrics using STATA. Master «Sustainable Development»(french)
 - Tutorials Macroeconomics, 2nd year of Bachelor degree in Economics and Management(english)
 - Tutorials Macroeconomics, 1st year of Bachelor degree in Economics and Management(french)
- 2017-2018 **Junior Lecturer, University Clermont Auvergne, 166 hours (Clermont-Fd)**
- Courses: Quantitative Methods, Sustainable Development, Microeconomics. Master «Global Development Policies (GLODEP, Erasmus Mundus, Funded by the European Union)» (english)
 - Tutorials Econometrics using STATA. Masters «Development Economics» and «International Finance and Economics»(english)
 - Probabilities, 2nd year of Bachelor degree in Economics and Management(french)
 - Tutorials Macroeconomics, 2nd year of Bachelor degree in Economics and Management(english)
 - Tutorials Macroeconomics, 1st year of Bachelor degree in Economics and Management(french)
- 2016-2017 **Junior Lecturer, University Clermont Auvergne, 102 hours (Clermont-Fd)**
- Tutorials Econometrics using STATA, Masters «Development Economics» and «International Finance and Economics»(english)
 - Tutorials Statistics, Masters «Economic Analysis and International Development», «Health Economics and International Development» and «Sustainable Development»(french)
 - Probabilities, 2nd year of Bachelor degree in Economics and Management(french)
 - Tutorials Macroeconomics, 2nd year of Bachelor degree in Economics and Management(english)
- 2015-2016 **Junior Lecturer, University Clermont Auvergne, 35 hours (Clermont-Fd)**
- Tutorials Statistics and Econometrics, 2nd year of the Master «Development Economics» (english)

Research activity

Manuscripts

CO₂ mitigation in developing countries: the role of foreign aid. *Submitted to [Environmental and Resource Economics](#)*

How much does environment pay for politicians? (Joint with Pascale Combes-Motel and Jean-Louis Combes). *Submitted to [Applied Economics](#)*

On the allocation of green aid: strategy beyond environmental considerations?

Biofuels and food security: Evidence from Indonesia and Mexico (Joint with Aïcha Sanou). *Revised and Re-submitted to [Energy Economics](#)*

Dynamic biofuel price pass-through: implications for food security. (Joint with Aïcha Sanou). *Submitted to [Energy Journal](#)*

Public debt vs Environmental debt: What are the relevant Tradeoffs? (Joint with Jean-Louis Combes, Pascale Combes-Motel, Maxime Menuet, Alexandru Minea, Patrick Villieu). *Submitted to [Ecological Economics](#)*

Labour market effects of COVID-19 in sub-Saharan Africa: An informality lens from Burkina Faso, Mali and Senegal. (Joint with Racky Balde & Elvis Avenyo). *Submitted to [World Development](#)*

Political aid cycles: new evidence from compositional data.

- In progress Determinants of productivity and labor demand of Ecuadorian firms: Evidence from enterprise surveys and business administrative data. (Joint with Rafaela Bastidas and Mariana Vijil)
- In progress Can we really fight climate change without destroying jobs? (Joint with Lucien Ahouangbe)
- In progress Can blockchain technology help improving governance of environmental aid ?
- In progress Fiscal rules and procyclicality in resource rich countries, (Joint with Samba Mbaye)
- In progress The curse of extractives dependence: perspective from regression-trees. (Joint with Axelle Kere and Aïcha Sanou)

Other writings

Agriculture climato-intelligente et sécurité alimentaire en Afrique, *Afrique Durable 2030*, n°4, 01/2018,p.98 (Joint with Aïcha Sanou)

Transition énergétique en Afrique subsaharienne : Enjeux et retombées économiques, *Afrique Durable 2030*, n°3, 01/2017,p.70

Impact de l'ouverture commerciale sur la volatilité des prix aux producteurs: le cas du maïs au Mexique, *Journal des Etudiants en Développement International*, Vol3/2014, (Joint with Hélène Beaulieu and Lucie Saint-Roch)

Conferences and Workshops where papers have been presented

- Sept 2017 4th Annual conference of the French Association of Environmental and Resource Economists (FAERE). Nancy, France.
- Oct 2018 2018 edition of Sustainability and Development Conference, University of Michigan, Ann Arbor, Michigan, USA.
- May 2019 2nd Green-econ Spring School and workshop. Aix-Marseille School of Economics. Marseille, France.
- June 2019 68th Annual meeting of the French Economic Association. Orléans, France.
- Aug 2019 6th Annual conference of the French Association of Environmental and Resource Economists (FAERE). Rennes, France.
- Nov 2019 4th INFER Workshop on Energy and environmental policies: New macro-financial implications, Timisoara, Romania.

Practical Skills

Quantitative

- Mastery of Factorial analysis, Time Series Econometrics, Panel Data Econometrics, Qualitative Data Econometrics, Spatial Econometrics, Non-parametric Econometrics, Game Theory, Optimization, Computable General Equilibrium Modelling, Impact Evaluation

Computer and Languages

- Softwares Tanagra, R, Eviews, Stata, Sphinx, SPSS, GAMS, Qgis
- Office Word, Excel, Powerpoint, L^AT_EX
- Languages French (Proficient), English (Fluent), Spanish (Beginner), Fulah (Mother tongue)

Extra Curriculum Activities

- Associations American Economic Association ([AEA](#)), Association Française de Science Economique ([AFSE](#)), French Association of Environmental and Resource Economists ([FAERE](#))

References

Marianna VIJIL, Sr Economist, ELCFN (World Bank)

✉mvijil@worldbank.org

Professor Pascale MOTEL-COMBES

✉pascale.motel_combes@uca.fr

Professor Théophile AZOMAHOU

✉theophile.azomahou@uca.fr

Professor Jean-Louis COMBES

✉j-louis.combes@uca.fr

Professor Alexandru MINEA

✉Alexandru.MINEA@uca.fr