

### Major areas of specialization

Research Themes **Fiscal Federalism, Spatial Interactions, Environmental Economics, Agriculture, Animal Health Economics.**

Research Methods **Applied Econometrics, Spatial Econometrics, Game Theory.**

### Education

- 2019 **MCF - 2019 - 5- 19205298541**, French Qualification Exam to be Assistant Professor (fr. Maître de Conférences) in Economics.
- 2014-2018 **Ph.D in Economics**, Université de Bourgogne Franche-Comté, under the supervision of Julie LE GALLO and Marie-Laure BREUILLE, France.  
**Title : Spatial Interactions and Energy**, defended on December 13th, 2018, Jury : Marie-Laure BREUILLE (advisor), Pascale Duran-Vigneron, Mouez FODHA (referee), Julie LE GALLO (advisor), Diégo LEGROS (president), Babacar SENE, Emmanuelle TAUGOURDEAU (referee).
- 2013-2014 **Master degree in Economics, "Chargé d'Etudes Economiques"**, Université de Bourgogne Franche-Comté.  
Dissertation written under the supervision of Julie LE GALLO
- 2011-2012 **Master degree in Economics, "International Trade"**, Université de La Rochelle.
- 2009-2011 **"Diplôme d'Etudes Approfondies" or collaborative Master degree in Economics "Economic Policy Analysis" (APE)**, Université Cheikh Anta Diop de Dakar, Senegal.

### Research

#### Publications

- 2018 **Road tax interactions among local governments : a spatial panel data analysis of the French case over the period 1984-2000**, *Applied Economics*, pp 4182-4196, link to this article : <https://doi.org/10.1080/00036846.2018.1441518>.
- 2020 **Environmental expenditure interactions among countries, a spatial panel data analysis of OECD countries case over the period 1994-2014**, *Economic modelling*, pp.244-255, [10.1016/j.econmod.2020.10.006](https://doi.org/10.1016/j.econmod.2020.10.006).  
with Julie LE GALLO

#### Submitted papers

- 2022 **Evaluating economic performance and antimicrobial consumption in French broiler production : an econometric analysis**, submitted to *Applied Economics*, with Guillaume Lhermie, Jonathan Rushton and Didier Raboisson.

- 2022 **Cocoa, livelihoods and deforestation in the Tridom Conservation Landscape : a spatial analysis**, submitted to Regional Science and Urban Economics, with Jonas Ngouhouo-Poufouna, Sabine Chaupain-Guillot and Philippe Delacote.

### Work in Progress

- 2022 **A spatial econometric approach on the role of protected areas in the interaction between mining activities and deforestation**, with Manegdo Ulrich DOAMBA, Pascale COMBES MOTEL and Jean-Louis COMBES.
- 2022 **Spatial interactions of sanitary risk factor :A spatial panel data analysis of french municipalities over the period 2010-2019**, with Mehdi Berrada, Didier Raboisson and Guillaume Lhermie.
- 2021 **Drivers of french dairy restructuring : a spatial probit analysis**, with Marie Dervillé, Didier Raboisson and Guillaume Lhermie.
- 2021 **Evaluating the acceptability of biosecurity measures with a discet choice experiment method**, with Guillaume Lhermie.
- 2021 **Milk production function and disease prevalence : a shadow price modelling**, with Ahmed Ferchiou.
- 2019 **Architecture of energy fiscal federalism : a Nash optimization**, with Marie-Laure BREUILLE.

### Interdisciplinary publications

- 2022 **Economic evaluation of antimicrobial use practices in animal agriculture : a case of poultry farming**, *accepted in Journal of Antimicrobial Chemotherapy* . with Lhermie, Guillaume ; Rushton, Jonathan and Raboisson, Didier
- 2022 **The gender wage gap in the French veterinary labor market**, *Frontiers in veterinary science*, <https://doi.org/10.3389/fvets.2022.1001012>. with Mehdi Berrada, Didier Raboisson and Guillaume Lhermie.
- 2022 **Spatial evaluation of animal health care accessibility and veterinary shortage in France**, *Scientific Reports*, <https://pubmed.ncbi.nlm.nih.gov/35906375/>. with Mehdi Berrada, Guillaume Lhermie and Didier Raboisson
- 2021 **The Association Between French Veterinary Practice Characteristics and Their Revenues and Veterinarian's Time Use**, *Frontiers in veterinary science*, vol 8, [10.3389/fvets.2021.675028](https://doi.org/10.3389/fvets.2021.675028). with Ikram Abdoultalib, Ahmed Ferchiou, Didier Raboisson, and Guillaume Lhermie.

## Teaching

- 2022 - **Teaching in Spatial Econometrics**, *Postgraduate*, ENSAE, Malakoff, France.
- 2022 - **Teaching in Environmental Economics and One health**, *Master One Health, VetAgroSup*, ENSV, Lyon.
- 2021-2022 **Teaching in Health Economics**, *Master GIMAT*, CIRAD-ENVT, Toulouse.
- Animal Health Economics,
  - Impact of antibiotic uses on economic performance,
  - Animal Health and public policies
- 2021-2022 **Teaching in Health Economics**, *Master VetAgroSup*, ENSV, Lyon.
- Animal Health Economics,
  - Impact of antibiotic uses on economic performance,

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 Youba NDIAYE

- Animal Health and public policies
- 2019-2020 **Teaching assistant in Economics and Management**, Université de Bourgogne Franche-Comté, Statistic Analysis.
- 2017-2019 **Teaching assistant in Economics**, Université de Tours.
  - Microeconomics, third year (Economics)
  - General Economics, first year (Economic and Social Management)
  - Microeconomics, first year (Economics)
  - Macroeconomics, second year (Economic and Social Management)
- 2016-2017 **Teaching assistant in Economics**, Université de Franche-Comté.
  - Mathematics, first year (Economics)
  - Tutorials in Descriptive Statistics, first year (Economics)

## Communications

- 2022 **20th International workshop spatial econometrics and statistics**, Lille, France.
- 2021 **International Society for Economics and Social Sciences of Animal Health conference**, ISESSAH, Malaysia.
- 2021 **Agricultural Economics Society (AES) conference**, Online.
- 2020 **One Health Antimicrobial Stewardships conference**, Alberta, Canada.
- 2019 **PET : Public Economic Theory conference**, Strasbourg, France.
- 2018 **5th Annual Conference of the French Association of Environmental and Resource Economists (FAERE)**, Aix-en-Provence, France.
- 2017 **1st Edition of FuturMob'17**, Montbéliard, France.
  - **2nd Edition of "Energie et Territoires"**, Paris School of Economics, France.
  - **CESAER research seminars**, Dijon, France.
- 2016 **15th International workshop spatial econometrics and statistics**, Orléans, France.
  - **4th Doctoral Day "Public Policy Analysis"**, LeHavre, France.
  - **CESAER research seminars**, Dijon, France.
- 2015 **8th seminar of Spatial Econometric Jean Paelinck**, Dijon, France.
  - **2nd interdisciplinary day : Spatial Data Meetings (SDM)**, Dijon, France.
  - **1st Edition of "Energie et Territoires"**, Dijon, France.
  - **CESAER research seminars**, Dijon, France.

## Skills

- Languages **French, English.**
- Software **R, Shiny programmer, SAS, GEPHI ,Maple.**
- GIS **ArcGIS, Geoda, QGIS.**
- software

## Miscellaneous

- 2015-2017 **Co-manager of the internal seminar "GTI"**, CESAER, UMR INRA Dijon, France.
- 2016 **Training workshop in Spatial Econometric : "Summer School"**, Rome, Italia.

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## References

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### **Babacar SENE**

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### **Marie-Laure BREUILLE**

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### **Didier Raboisson**

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