

### Major areas of specialization

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

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

### Education

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.

2008-2009 **"Maîtrise" or First Postgraduate Diploma in Economics**, Université Cheikh Anta Diop de Dakar, Senegal.

2005-2008 **"Licence" or Bachelor degree in Economics**, Université Cheikh Anta Diop de Dakar, Senegal.

### Teaching

2021-2022 **Teaching in Health Economics, Master in Zoonoses and One Health**, Barcelona, Spain.

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,
- 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)

## 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
- 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.

### Submitted papers

- 2022 **Evaluating economic performance and antimicrobial consumption in French broiler production : an econometric analysis**, submitted to European Review of Agricultural Economics, with Guillaume Lhermie, Jonathan Rushton and Didier Raboisson.
- 2022 **Quantifying Animal Health Care Spatial Accessibility in the French Cattle, Swine and Poultry Sectors with Two-step Floating Catchment Area Method**, submitted to Scientific Reports, with Mehdi Berrada, Guillaume Lhermie and Didier Raboisson.

### Work in Progress

- 2021 **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 **Cocoa, livelihoods and deforestation in the Tridom Conservation Landscape : a spatial analysis**, with Jonas Ngouhouo-Poufouna, Sabine Chaupain-Guillot and Philippe Delacote.
- 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.

Rue Kléber – 31330, Grenade, France

+33 (0)7 52 28 51 27

✉ [ndiaye-youba@live.fr](mailto:ndiaye-youba@live.fr) / [youba.ndiaye@inrae.fr](mailto:youba.ndiaye@inrae.fr) / [youba.ndiaye@envt.org](mailto:youba.ndiaye@envt.org)

 Youba NDIAYE

---

## Communications

- 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.**

## References

### **Julie LE GALLO**

Full Professor, Agrosup Dijon  
26, bd Docteur Petitjean  
21 079 Dijon, France  
[julie.le-gallo@agrosupdijon.fr](mailto:julie.le-gallo@agrosupdijon.fr)

### **Pascal FAVARD**

Full Professor, Tours University  
50, avenue Jean-Portalis, BP 0607  
37200 Tours Cedex 03 FRANCE  
[pascal.favard@univ-tours.fr](mailto:pascal.favard@univ-tours.fr)

### **Marie-Laure BREUILLE**

Researcher at INRAE  
26, bd Docteur Petitjean  
21 079 Dijon, France  
[marie.breuille@inrae.fr](mailto:marie.breuille@inrae.fr)

### **Didier Raboisson**

Full Professor, ENVT  
23, Chemin des Capelles  
31300, Toulouse  
[didier.raboisson@envt.fr](mailto:didier.raboisson@envt.fr)

*Rue Kléber – 31330, Grenade, France*

*+ 33 (0)7 52 28 51 27*

✉ [ndiaye-youba@live.fr](mailto:ndiaye-youba@live.fr) / [yوبا.ndiaye@inrae.fr](mailto:yوبا.ndiaye@inrae.fr) / [yوبا.ndiaye@envt.org](mailto:yوبا.ndiaye@envt.org)

 Yوبا NDIAYE