

ESTHER DEVILLIERS

PLACE AND DATE OF BIRTH: Chartres, France | 23 August 1993
ADDRESS: 19 bd de l'Insurrection du Ghetto de Varsovie, 54000 Nancy, France
PHONE: +33 6 23 42 23 59
EMAIL: esther.devilliers@inrae.fr
SOCIAL: [LinkedIn](#)

RESEARCH TOPICS

- Applied micro-econometrics
- Agricultural production micro-economics
- Economics of forest resources and energy transition

PRESENT & PAST POSITIONS

SEPTEMBER 2022 - PRESENT	Researcher in Forest & Agricultural Economics , at INRAE, UMR BETA, Nancy (FR)
OCTOBER 2020 - AUGUST 2022	Research Associate in Agricultural Economics , at INRAE, UMR SMART, Rennes (FR)
SEPTEMBER 2020 - AUGUST 2022	Teaching Assistant in Economics & Statistics , at ENSAI - National School for Statistic and Data Analysis, Bruz (FR) <u>L3 level:</u> Introduction to Economics, Introduction to SAS, Microeconomics (lab), Macroeconomics (lab), Econometrics (lab), Descriptive Statistics (lab), Statistical Projects (mentoring). <u>M1 level:</u> Applied Econometrics (lab).
DECEMBER 2017 - SEPTEMBER 2021	PhD in Economics , at INRAE - French National Research Institute for Agricultural, Food and Environment, UMR SMART, Rennes
APRIL - NOVEMBER 2017	Research Analyst in Statistics in the Health Economics & Market Access team at Amaris, London (UK) Developed Bayesian hierarchical models for network meta-analysis and applied them to meta-analysis for rheumatoid arthritis, performed standard Bayesian network meta-analyses.

EDUCATION

DECEMBER 2017 - SEPTEMBER 2021	PhD in Economics , at INRAE - French National Research Institute for Agricultural, Food and Environment, UMR SMART, Rennes (FR) Modelling farmers' production choices and chemical inputs demand with a latent function approach. PhD committee: S. AURAY, J-P. CHAVAS, S. DUVALEIX, R. FINGER.
NOVEMBER 2017	Master of Science equivalent in Statistics - Diplôme d'ingénieur , at ENSAI - National School for Statistic and Data Analysis, Bruz (FR) Specialization in Data Modeling for Spatial Analysis and Health Economics

RESEARCH ACTIVITIES

5.1 Published papers

- Devilliers, E., Möhring, N., & Finger, R. (2024). "Estimation and comparison of the performance of low-input and conventional agricultural production systems." *Q Open*, 4(1), DOI: 10.1093/qopen/qoad032.
- Devilliers, E., Koutchadé, O.P., & Carpentier, A. "Pesticide taxation and the adoption of low-input cropping management practices using a hidden Markov model." *European Review of Agricultural Economics*, DOI: 10.1093/erae/jbaf025.

5.2 Working papers

- Devilliers, E., & Carpentier, A. "Selection bias on the dependent variable and an endogenous covariate in a non-linear framework: a corrected inverse Mills ratio approach." – Submitted to *Economics Letters* in July 2024.
- Faure, J., Hansson, H., Dietrich, A S., & Devilliers E. "Are we overestimating the benefits of agricultural intensification by overlooking nature-based alternatives?" – Submitted to *Ecological Economics* in June 2025.
- Devilliers, E., Doamba, M-U., Abildtrup, J., & Brick, C. "Determinants of agricultural land-use intensity change in Europe: a research-gap analysis."
- Ndiaye, P. B., Devilliers, E., Ugaglia, A. A., & Rusch, A. "Agroforestry in viticulture: reducing pesticides and pests while improving productivity and profitability?"
- Doamba, M-U., Abildtrup, J., Ndiaye, Y., & Devilliers, E. "CAP greening policy and permanent grassland maintenance in Europe: An empirical analysis."

5.3 Conferences

- XVI EAAE Congress, AUGUST 2023, Rennes (FR)
- 16th Social Science Research Days (JRSS), DECEMBER 2022, Clermont-Ferrand (FR)
- 38th Days of Applied Microeconomics (JMA), JUNE 2022, *University of Rennes 1*, Rennes (FR)
- XVI EAAE Virtual Congress, JULY 2021, Online
- 6th FAERE Annual Conference, AUGUST 2019, *University of Rennes 1*, Rennes (FR)
- EAAE PhD Workshop, JUNE 2019, *Swedish University of Agricultural Sciences*, Uppsala (SW)
- Workshop EDGE, MAY 2019, *Agrocampus Ouest*, Rennes (FR)
- 93rd Annual Conference of the Agricultural Economics Society, APRIL 2019, *Warwick University*, Coventry (UK)

TEACHING ACTIVITIES

2024 - 2025	Course on Environmental & Natural Resource Economics (L3 level, 12h), at Université de Lorraine Practical Course on Econometrics on R (L3 level, 10h), at Université de Lorraine.
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