

Serge Garcia

Updated: March 2025

Born on 26 March 1972, in Castres (France)
https://beta-economics.fr/annuaire/313/garcia_serger
<https://orcid.org/0000-0001-5161-0085>
<https://www.linkedin.com/in/serge-garcia-0675323a>
<https://bsky.app/profile/serge-garcia-econ.bsky.social>

AgroParisTech-INRAE
UMR BETA (Bureau for Economic Theory and Application)
14 rue Girardet
54000 Nancy – France
Email: serge.garcia@inrae.fr

RESEARCH TOPICS

- Environmental and natural resource economics (valuation, ecological economics), micro-economics (production, costs, market structure, pricing, contracts, incentives)
- Applied econometrics: panel data, discrete choice models, spatial econometrics
- Areas of application: water, forests, ecosystem services, biodiversity

CURRENT FUNCTIONS

- Senior researcher in economics INRAE, since Jan. 2013, working in the BETA laboratory
- President of FAERE (*French Association of Environmental and Resource Economists*), since Sept. 2023
- Expert « Socio-economic analysis" at Anses (French Agency for Food, Environmental and Occupational Health and Safety), since 2021
- Scientific Manager of the Observatory for Forest Economics (INFRA+ of the I-SITE Lorraine Université d'Excellence), since 2020
- Leader of the "economics and social sciences" thematic action of Labex ARBRE, since 2018

PAST EXPERIENCES

| | |
|------------------------|--|
| Jan. 2018 – Dec. 2022 | INRAE - BETA, Nancy Deputy Director of BETA Scientific co-manager “energy transition” of IMPACT project DEEPSURF (LUE) |
| March 2018 – Dec. 2021 | University College Dublin (UCD), School of Agriculture and Food Science Research Fellow, March 2019 - Dec. 2021 Visiting Research Fellow, Mars 2018 – Mai 2018 |
| Sept. 2005 - Dec. 2017 | INRA – Laboratory of Forest Economics (LEF), Nancy Head of LEF, Jan. 2013 – Dec. 2017 Deputy director of LEF, sept. 2011 – Dec. 2012 Senior researcher INRAE in economics, Since Jan. 2013 Junior researcher INRA in economics, Sept. 2005 – Dec. 2012 |
| Oct. 2002 – Aug. 2005 | ENGREF - Water and wastewater Management Laboratory, Montpellier Contract researcher, “ <i>Water liberalisation scenarios: An empirical analysis of the evolution of the European water supply and sanitation sectors</i> ”, 5 th PCRD |
| Oct. 2001 – Sept. 2002 | CIRANO, Montréal, Canada Postdoctoral researcher |
| Sept. 2000 – Aug. 2001 | Université Toulouse I (UTI) – LERNA, Toulouse Temporary Teaching and Research Associate (ATER) in Economics |
| Nov. 1997 – July 2001 | UTI - LERNA, Toulouse PhD student |

EDUCATION

| | |
|------|---|
| 2024 | Qualification as full professor , Section CNU 05 |
| 2011 | Habilitation to supervise research (HDR) "Applied econometrics for environmental and natural resource issues", UTI- Capitole |
| 2002 | Qualification as associate professor , Section CNU 05 |
| 2001 | PhD in Economics with unanimous congratulations from the jury “Economic analysis of drinking water supply costs”, supervisor: Alban Thomas (INRA), UTI |
| 1999 | DEEQA (European Diploma in Advanced Quantitative Economics) , UTI |
| 1996 | Master of advanced studies economics of the environment, natural resources, energy and agriculture, UTI |
| 1995 | Master's degree in econometrics, UTI |

BIBLIOMETRICS

- 39 articles published in peer-reviewed journals, since 2001
- 7 book chapters, 1 reading report, 2 editorial article, 8 transfer articles
- Top 25% of economists in France, rank = 646 (IDEAS, 19/03/2025)
- h index = 23, i10 index = 35, number of quotes = 2602, best article cited = 359 (Google Scholar, 19/03/2025)

AWARDS AND DISTINCTIONS

- Scientific Excellence Award, 2014-2017, 2023-2025
- AFSE Thesis Prize, Special Mention, 2002

OTHER SCIENTIFIC AND COLLECTIVE RESPONSIBILITIES

- Scientific Committee du GIP ECOFOR (Forest ecosystems), since 2013
- Executive Committee FAERE (*French Association of Environmental and Resource Economists*), since 2021
- Board of the Law, Politics, Economics and Management doctoral school, elected (2013-2017), then invited as Deputy director of BETA (2018-2022)
- Scientific Committee of research programme AGREV 3 (Agriculture-Environment Vittel), 2015-2020
- Editorial Committee of PCI Forest & Wood Sciences, since 2020

SUPERVISION OF PHD STUDENTS

- **Defended PhD Thesis (10):** Eric Kéré (2013, co-supervision), Julien Wolfersberger (2015, co-supervision), Gengyang Tu (2016, full supervision), Emeline Hily (2017, co-supervision), Tristan Amiri (2023, co-supervision), Derrick Mbarga (2023, co-supervision), Toho Hien (2023, co-supervision), Valentin Mathieu (2023, co-supervision), Daniel Elanga (2024), Nikola Jovanović (2024, co-supervision)
- **PhD Thesis in progress (2):** Mehdi Guelmamen (2023, co-supervision), Godwin Agandan (2024, co-supervision)

RESPONSIBILITY FOR RESEARCH CONTRACTS AND PROJECTS

- Contracts and projects coordinator: public-private partnership (2), TETRAE (1), Labex (5)
- Coordinator of an unsuccessful European proposal: H2020 (2), ForestValue (2)
- Scientific manager of WP research projects: European (1), ANR (1), PSDR4 (1), INRA (2)
- Full member of *Management Committee* of Cost Action CA15206 (2016-2021)

CONTRIBUTION TO SCIENTIFIC EVALUATION

- Assessment Committees HCERES Research units (2013, 2021), Economists' Evaluation Advisory Committee of IRSTEA (2018)
- Selection committees: University MCF (2013, 2015, 2016, 2017, 2020, 2022) et Prof (2020, 2021), INRAE junior researcher (2016) et administrative staff (2020), IISTEA junior researcher (2015, 2017, 2018, 2019x3) et senior researcher (2019)
- **PhD defence committees:** rapporteur (2012, 2013, 2014x2, 2015x3, 2017x4, 2021x2, 2022, 2023x2), c (2018, 2023) et president (2018, 2023), **HDR committees:** rapporteur (2014, 2015, 2016, 2021x2, 2022, 2023), **thesis committees** (7)

MAIN CONFERENCES

- *Annual conference of the European Association of Environmental and Resource Economists – EAERE* (2007, 2009, 2011, 2012, 2013, 2015, 2017, 2021, 2023)
- *World Congress of Environmental and Resource Economists - WCERE* (2006, 2010, 2014, 2018)
- *Annual conference of the French Association of Environmental and Resource Economists - FAERE* (2014, 2016, 2017, 2018, 2021, 2022, 2023)
- *Congrès de l'Association Française des Sciences Économiques, Journées de Microéconomie Appliquée...*

MAIN TEACHING ACTIVITIES

| | | |
|------------|---------------------------------------|---|
| 2007-2019 | ENSAI, Rennes | Econometrics of panel data |
| Since 2012 | Université de Franche-Comté, Besançon | Econometrics of qualitative variables |
| Since 2018 | Université de Lorraine, Nancy | Economics of ecosystem services |
| Since 2018 | Université de Lorraine, Nancy | Sustainable management of natural resources |
| Since 2019 | Université de Lorraine, Nancy | Micro-econometrics |
| Since 2009 | Université de Lorraine, Nancy | Doctoral training modules |

MAIN PUBLICATIONS SINCE 2018

- JOVANOVIĆ Nikola, GARCIA Serge, KECA Ljiljana (2025). Are visitors, biodiversity or timber production better for nature conservation? Findings from an econometric analysis of the management costs of protected areas in Serbia, *Journal of Environmental Management*, Volume 375, 124048, 1-11.
- AMIRI Tristan, ABILDTRUP Jens, GARCIA Serge (2024). Estimating non-use values of improved water quality and biodiversity from a discrete choice experiment on watershed protection measures, *Revue d'Economie Politique*, 134(5).
- HESHMATOL VAEZIN S. Mahdi, MARAGE Damien, GARCIA Serge (2022). Cost-effectiveness of Natura 2000 forest contracts for biodiversity conservation, *Canadian Journal of Forest Research*, 52(12), 1527–1542.
- VALATIN Gregory, OVANDO Paola, ABILDTRUP Jens, ACCASTELLO Christian, ANDREUCCI Maria-Beatrice, CHIKALANOV Alex, GARCIA Serge et al. (2022). Approaches to cost-effectiveness of payments for tree planting and forest management for water quality services, *Ecosystem Services*, 53, 101373.
- GARCIA Serge, PETUCCO Claudio, THORSEN Bo Jellesmark, VEDEL Suzanne Elizabeth (2021). Modelling the Choice Between Multiple-Use vs. Specialised Forest Management and its Impact on Forest Management Costs, *Environmental Modeling & Assessment*, 26(4), 591-608.
- BRUNETTE Marielle, COUTURE Stéphane, FONCEL Jérôme, GARCIA Serge (2020). The decision to insure against forest fire risk: An econometric analysis combining hypothetical and real data, *The Geneva Papers on Risk and Insurance - Issues and Practices*, 45(1), 111-133.
- LAMBINI Cosmas Kombat, NGUYEN Trung Thanh, ABILDTRUP Jens, PHAM Van Dien, TENHUNEN John, GARCIA Serge (2018). Are ecosystem services complementary or competitive? An econometric analysis of cost functions from private forests in Vietnam, *Ecological Economics*, 147, 343-352.
- GARCIA Serge, ABILDTRUP Jens, STENGER Anne (2018). How does economic research contribute to the management of forest ecosystem services?, *Annals of Forest Science*, 75(2), 53.