

Jean-Sauveur Ay

Contact Information

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Professional experience

2014 to now **Researcher** at INRAE, [UMR Cesaer](#) Dijon
 2013 to 2014 **Research fellow** at INRA, [UMR Éco Pub](#) Paris
 2011 to 2013 **Postdoctoral fellow** at CNRS, [UMR Cescos](#) Paris

Education

2008 to 2011 **PhD in Economics** at INRA and [Université de Bourgogne](#)
 2007 to 2008 **MA in Economics** at [PSE, Paris School of Economics](#)
 2005 to 2007 **MA in Economics** at [Université Aix-Marseille II](#)

Research interest

Land Economics Land use choices and land price patterns in relation to agricultural, environmental and urban outcomes. Impacts of public policies related to land use and land prices.

Wine Economics Consumers' preferences for wine characteristics, vineyard prices in relation to geographical indications and environmental factors. Impacts of public policies related to the wine sector.

Applied Econometrics Spatial econometrics, geographically weighted regression, treatment effects, best unbiased predictions, discrete choice models.

Publications

Refereed papers (in English)

- **Climate-dependent scenarios of land use for biodiversity and ecosystem services in the New Aquitaine region** (with N. A. Andriamanantena, C. Gaufreteau and L. Doyen) *Revision for Regional Environmental Change*.
- **Field and landscape risk factors impacting Flavescence dorée infection: Insights from spatial Bayesian modelling in the Bordeaux vineyards** (with H. K. Adrakey, S. Malembic-Maher, A. Rusch, L. Riley, L. Ramalanjaona and F. Fabre). *Phytopathology*, 2022, in press [[bib](#) ; [file](#) ; [link](#)]
- **The informational content of geographical indications**. *American Journal of Agricultural Economics*, 2021, 103(2): 523–542 [[bib](#) ; [file](#) ; [sup](#) ; [online](#) ; [link](#)]

- **Willingness-to-pay for reshuffling geographical indications** (with Monia Saïdi, Stéphan Marette and Christophe Martin). *Journal of Wine Economics*, 2020, 15(1): 95–111 [[bib](#) ; [file](#) ; [sup](#) ; [online](#) ; [link](#)]
- **Disease dispersion as a spatial interaction: The case of Flavescence Dorée** (with Estelle Gozlan). *Natural Resource Modeling*, 2020, 33:e12265 [[bib](#) ; [file](#) ; [pres](#) ; [link](#)]
- **Bioeconomic impacts of agroforestry policies in France** (with Lauriane Mouysset, Claire Rais Assa, Frédéric Jiguet, Romain Lorrilière, Luc Doyen). *Land Use Policy*, 2019, 85: 239–248. [[bib](#) ; [link](#) ; [wp](#)]
- **Does issuing building permits reduce the cost of land? An estimation based on the demand for building land in France** (with Jean Cavailhès, Mohamed Hilal and Julie Le Gallo). *Economics and Statistics*, 2018, 500-501-502, 45–67. [[bib](#) ; [file](#) ; [sup](#) ; [link](#)]
- **Nonlinear impact estimation in spatial autoregressive models** (with Kassoum Ayoubia and Julie Le Gallo). *Economics Letters*, 2018, 163: 59–64. [[bib](#) ; [file](#) ; [sup](#) ; [link](#)]
- **Distance decay in the willingness to pay for wine: Disentangling local and organic attributes** (with Raja Chakir, and Stéphan Marette). *Environmental and Resource Economics*, 2017, 68(4): 997–1019. [[bib](#) ; [file](#) ; [pres](#) ; [sup](#) ; [link](#)]
- **Aggregated versus individual land-use models: Modeling spatial autocorrelation to increase predictive accuracy** (with Raja Chakir and Julie Le Gallo). *Environmental Modeling and Assessment*, 2017, 22(2): 129–145. [[bib](#) ; [file](#) ; [sup](#) ; [link](#) ; [online](#) ; [wp](#)]
- **The economics of land use reveals a selection bias in tree species distribution models** (with Joannès Guillemot, Nicolas Martin-St Paul, Luc Doyen, and Paul Leadley). *Global Ecology and Biogeography*, 2017, 26(1):65–77. [[bib](#) ; [file](#) ; [pres](#) ; [sup](#) ; [link](#)]
- **The informational content of land price and its relevance for environmental issues** (with Laure Latruffe). *Review of Environmental and Resource Economics*, 2016, 10(3-4):183–226. [[bib](#) ; [file](#) ; [link](#) ; [wp](#)]
- **Integrated models, scenarios and dynamics of climate, land use and common birds** (with Raja Chakir, Luc Doyen, Frédéric Jiguet and Paul Leadley). *Climatic Change*, 2014, 126(1-2):13–30. [[bib](#) ; [file](#) ; [sup](#) ; [link](#) ; [online](#)]
- **Efficiency and equity of land conservation schemes: The effect of policy scale** (with Claude Napoléone). *Journal of Environmental Management*, 2014, 129:190–198. [[bib](#) ; [link](#)]
- **A spatial hedonic approach on land use change anticipations** (with Ghislain Geniaux and Claude Napoléone). *Journal of Regional Science*, 2012, 51(5):967–986. [[bib](#) ; [link](#)]

Refereed papers (in French)

- **La capitalisation du prix des vins dans le prix des vignes en Côte-d'Or** (avec Abdoul Diallo et Hai-Vu Pham). *Revue Économique*, 2022 *accepted*. [[bib](#) ; [file](#)]
- **Les déterminants naturels et politiques des AOC viticoles de Côte-d'Or** (avec Mohamed Hilal). *CyberGéo*, 2021. [[bib](#) ; [link](#)]
- **Vers une évaluation des coûts de la dégradation des sols : Éléments de cadrage, outil d'analyse et études de cas** (avec Noémie Pousse, Laurent Rigou et Laurent Thannberger). *Étude et Gestion des Sols*, 2020, 27:147–161. [[bib](#) ; [file](#)]
- **Délivrer des permis de construire pour diminuer le coût du foncier? Une estimation par la demande de terre constructible** (avec Jean Cavailhès, Mohamed Hilal et Julie Le Gallo). *Économie et Statistiques*, 2018, 500-501-502, 45–67. [[file](#) ; [sup](#) ; [link](#) ; [pres](#)]

- **Information sur l'hétérogénéité de la terre et délégation de la régulation foncière.** *Revue d'Économie Politique*, 2015, 125(3):453–474. [[bib](#) ; [link](#) ; [wp](#)]
- **La gestion publique des ressources foncières: Entre évaluation de la rareté et choix d'usage** (avec Claude Napoléone). *Revue des Régions Arides*, 2013, 30(1):177–190. [[bib](#) ; [file](#)]

Current papers

- **The signaling values of nested wine names.** With Julie Le Gallo. [[wp](#)]
- **The high cost of noncompliance with mandatory pest control.** With Estelle Gozlan and Emmanuel Paroissien. [[file](#)]
- **Announcement Effect from Undergrounding High Voltage Overhead Transmission Lines: Quasi-experimental Evidence from Rural France.** With Tina Rambonilaza and Jean Dubé.
- **Socio-spatial Distribution of Housing Wealth and Capital Gains: Evidence from a French Region Over the Last 50 Years.** With Thibault Le Corre.
- **Impact Evaluation of Policies Supporting Homeownership: Evidence from France.** With Rémi Lei, Olivier Dupré and Julie Le Gallo.

Working papers

- **Les consommateurs face à l'évolution des Appellations d'Origine Contrôlée** (avec Monia Saïdi, Stéphan Marette and Christophe Martin). *INRAE Sciences Sociales*, 2020, [[link](#)]
- **The drivers of spatial cropping patterns in Burgundy** (with Valentin Bellassen and Mohamed Hilal). *UMR CESAER Working Papers 2020-1*, 2020, [[link](#)]
- **Improving the estimates of agricultural land valuation: report to the World Bank** (with Philippe Bontems, Raja Chakir and Laure Latruffe). *HAL-01462707*, 2015 [[link](#)]
- **La valeur des attributs naturels des terres agricoles de Côte-d'Or** (with Jean-Marc Brayer, Jean Cavailhès, Pierre Curmi, Mohamed Hilal and Marjorie Ubertosi). *UMR CESAER Working Papers 2012-1*, 2012 [[link](#)]
- **Hétérogénéité de la terre et rareté économique.** *PhD thesis, INRA and Université de Bourgogne*, 2011, [[link](#)]

Communications

- 2021** Journées INRAE–SFER–CIRAD (March, France) ; **Atelier Vin et Société** (Institut d'études avancées de Paris) ; **Séminaire SMART-LERECO** (October, Rennes, France).
- 2020** Séminaire Vigne et Vins (March, Dijon, France).
- 2019** World Conference on Natural Resource Modeling (May, Montréal, Canada) ; **Transmission du Patrimoine Viticole en Bourgogne** (June, Beaune, France)
- 2018** Séminaire LARESS à l'ESA (April, Angers, France) ; **Journées Ingé plus** (April, Dijon, France).
- 2017** Ministère de l'écologie (March, Paris, France) ; **Séminaire du LEF** (March, Nancy, France) ; **Vineyard Data Quantification Society** (May, Colmar, France) ; **Spatial Econometrics Workshop** (May, Avignon, France) ; **Société Française d'Écologie** (October, Marseille, France) ; **Séminaire du LAMETA** (December, Montpellier, France) ; **Journée du département SAE2** (December, Paris, France).

- 2015 Salon International de l'Agriculture** (February, Paris, France) ; **Wine seminar at Kedge School of Business** (May, Bordeaux, France) ; **American Association of Wine Economists** (May, Mendoza, Argentina) ; **Natural Resource Modelling workshop** (June, Bordeaux, France) ; **TRUSTEE General Meeting** (October, Malmoe, Swedish) ; **Dialogues Interdisciplinaires**, (December, Dijon, France).
- 2014 Global Land Project Science meeting** (March, Berlin, Germany) ; **Métaprogramme INRA ACCAF** (December, Orléans, France).
- 2013 VII Conference of Spatial Econometrics Association** (July, Washington, USA) ; **Internal Seminary CRESE**, (October, Besançon, France) ; **Global Change Adaptation**, (November, Clermont-Ferrand, France) ; **Journées INRA-SFER-CIRAD** (December, Angers, France).
- 2012 Planning, Law and Property Rights** (February, Belfast, United Kingdom) ; **Workshop Spatial Econometrics and Statistics** (November, Avignon, France) ; **Journées INRA-SFER-CIRAD** (December, Toulouse, France).
- 2010 Internal Seminary Ecodéveloppement** (October, Avignon, France).
- 2009 EAAE Ph.D. Workshop** (September, Giessen, Germany) ; **Journées d'Étude des Sols** (May, Strasbourg, France).
- 2008 Journées INRA-SFER-CIRAD** (December, Lille, France).

Other activities

Research programs

- SERENA (2022-2025) funded by EJP SOIL, European Joint Program
- LOCUS (2022-2025) funded by ANR, *Agence Nationale de la Recherche*
- OMISEP (2022-2024) funded by ADEME
- [PubPrivLands](#) (2019-2021) funded by *Région Bourgogne Franche-Comté (ISIT-BFC)*
- [Risca](#) (2019-2021) funded by *Plan National Déperissement du Vignoble*
- [Trustee](#) (2013-2017) funded by EU FP7, ERA-NET RURAGRI program
- [Mobilis](#) (2012-2013) funded by FRB, *Fondation pour la Recherche sur la Biodiversité*
- [EcoSolHydro](#) (2011-2012) funded by ADEME and MEEDE, from GESSOL program

Teaching experience

Course	Place	Hours	Formation	Period
Econometrics	SciencesPo Dijon	24	Undergraduate	2018–2022 (4 years)
Economics	SciencesPo Dijon	48	Undergraduate	2016–2021 (5 years)
Econometrics	AgroParisTech	24	Postgraduate	2012–2017 (5 years)
Econometrics	Univ. of Franche-Comté	18	Postgraduate	2012–2017 (5 years)
Microeconometrics	Univ. of Burgundy	14	Undergraduate	2010–2011 (1 year)

Referee reports

Acta Oeconomica (1), Ecological Economics (2), Économie et Statistique (2), Économie Rurale (2), European Review of Agricultural Economics (3), International Journal of Geographical Information Science (1), International Journal of Strategic Property Management (1), Journal of Environmental Management (3), Plos One (1), Regional Studies (1), Review of Agricultural, Food and Environmental Studies (1), Revue Économique (1), Revue d'Économie Régionale et Urbaine (3), Spatial Economic Analysis (2), Spatial Statistics (1), Sustainability (1).

Miscellaneous

- Consultant and Expert for INAO, the French National Institute of the Signs of Quality and Origin.
- Consultant for Inter-Rhône, the professional organization of the wine producers and traders from Rhône Valley.
- Member of the scientific committee of RNEST, a national network about the management of soil quality.
- Expert in a scientific team about "Artificialized land and artificialization processes: determinants, impacts and levers for action" [[website](#)].
- Member of the scientific committee of the Workshop on Spatial Econometrics and Statistics.