

CURRICULUM VITAE – January 2024

PIET Laurent

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French, born April 16, 1971 in Nantes (France)

<p>Current position (since July 2007): Senior Research Analyst, INRAE (French National Institute for Research in Agriculture, Food and Environment), Research Unit SMART, Rennes (France).</p>

Educational background

2002 Ph-D in Environmental Sciences, École Nationale du Génie Rural, des Eaux et des Forêts, Paris (France). Title of the dissertation: “Integrating the spatial dimension into a computable general equilibrium model: a sub-national study of agricultural activity location”.

1994 Engineer in rural, water and forest sciences, École Nationale du Génie Rural, des Eaux et des Forêts, Paris (France).

1993 Engineer in agronomical sciences, Institut National Agronomique de Paris-Grignon, Paris (France).

Past positions

- 2008-2009 Head of the Research Unit “Structures et Marchés Agricoles, Ressources et Territoires” (SMART), INRA-Agrocampus Ouest, Rennes (France).

- 2003-2007 Head of the Economic and Foresight Studies Unit, French Ministry of Agriculture and Fisheries, Paris (France).

- 1996-2003 Research Engineer in the Research Unit “Agricultural and rural area dynamics”, Centre National du Machinisme Agricole, du Génie Rural, des Eaux et des Forêts (Cemagref), Bordeaux (France).

Activity

Research topics

Farm size distribution

Public policies impact on agricultural structures and structural change

Agricultural land market and regulations

Peer-reviewed publications

- Paiement redistributif : impact du seuil de surprime sur le ciblage des exploitations bénéficiaires. *Économie Rurale*, 384: 5-21, 2023 (with C. Laroche-Dupraz and C. Beaudouin).

- Early exit from business, performance and neighbours’ influence: A study of farmers in France. *European Review of Agricultural Economics*, 48(5): 1132-1161, 2021 (with E. Paroissien and L. Latruffe).

- New perspectives on the distribution of farm incomes and the redistributive impact of CAP payments. *European Review of Agricultural Economics*, 48(2): 385-414, 2021 (with Y. Desjeux).
- What drives competition on the farmland market? A case study in Brittany (France). *European Review of Agricultural Economics*, 48(1): 60-96, 2021 (with R. Melot R. and S. Diop).
- Mesurer le revenu des exploitations agricoles françaises. Analyse comparée sur 15 ans d'indicateurs issus du Rica et de la MSA. *Économie Rurale*, 378: 37-56, 2021 (with V. Chatellier, N. Delame, P. Jeanneaux, C. Laroche-Dupraz, A. Ridier and P. Veysset).
- Heterogeneous impacts of neighbouring farm size on the decision to exit: evidence from Brittany. *European Review of Agricultural Economics*, 46(2): 237-266, 2019 (with L.D.F. Saint-Cyr, H. Storm and T. Heckeley).
- mixmcm: A community-contributed command for fitting mixtures of Markov chain models using maximum likelihood and the EM algorithm. *Stata Journal*, 19(2): 294-334, 2019 (with L.D.F. Saint-Cyr).
- Les choix français en matière de convergence des aides découplées de la PAC à l'horizon 2019. *Economie Rurale*, 366: 21-39, 2018 (with C. Laroche-Dupraz).
- Projection de la population des exploitations agricoles françaises à l'horizon 2025. *Économie Rurale*, 365: 119-133, 2018 (with L. D. F. Saint-Cyr).
- Movers and stayers in the farming sector: Accounting for unobserved heterogeneity in structural change. *Journal of the Royal Statistical Society, Series C Applied Statistics*, 66(4): 777-795, 2017 (with L. D. F. Saint-Cyr).
- Structural estimation of farmers' risk and ambiguity preferences: a field experiment. *European Review of Agricultural Economics*, 44(5): 782-808, 2017 (with D. Bougherara, X. Gassmann and A. Reynaud).
- Une typologie pour représenter la diversité des territoires d'élevage en Europe. *INRA Productions Animales*, 30(4): 285-302, 2017 (with J. Hercule, V. Chatellier, B. Dumont, M. Benoit, L. Delaby, C. Donnars, I. Savini and P. Dupraz)
- Does land fragmentation affect farm performance? A case study from Brittany, France. *Agricultural Systems* 129: 68-80, 2014 (with L. Latruffe).
- Le morcellement des exploitations agricoles françaises. *Économie Rurale* 342: 107-120, 2014 (with S. Cariou).
- How do agricultural policies influence farm size inequality? The example of France. *European Review of Agricultural Economics* 39(1): 5-28, 2012 (with L. Latruffe, C. Le Mouël and Y. Desjeux).
- Trends in the French commercial farm population. *Review of Agricultural and Environmental Studies* 91(3): 279-295, 2010 (with M. Fall and M. Roger).
- Spatialisation d'un modèle d'équilibre général calculable pour l'étude de la localisation des activités agricoles à une échelle infra-nationale. *Ph-D dissertation*, École Nationale du Génie Rural, des Eaux et des Forêts, Paris (France), 2002.

Working papers

- Le volet agricole de l'Observatoire Socio-Économique de la LGV Bretagne Pays-de-la-Loire. *Working Paper SMART-LERECO* No 19-07 (with M. Février, Y. Le Caro, P. Michel and V. Pereira).
- On the role of probability weighting on WTP for crop insurance with and without yield skewness. *Working Paper SMART-LERECO* No 18-08 (with D. Bougherara).
- The impact of environmental regulations on the farmland market and farm structures: An agent-based model applied to the Brittany region of France. *Working Paper SMART-LERECO* No 17-01 (with E. Letort and P. Dupraz).
- The impact of farmers' risk preferences on the design of an individual yield crop insurance. *Working Paper SMART-LERECO* No 16-03 (with D. Bougherara).
- How the EU Single Farm Payment should be modelled: Lump-Sum Transfers, Area Payments or... what else? *Working Paper SMART-LERECO* No 08-01, 2008 (with F. Courleux, H. Guyomard and F. Levert).

Book chapters and reports

- Chapter 3. The CAP and Agricultural Employment. In: *Détang-Dessendre C., Guyomard H. (coords), Evolving the Common Agricultural Policy for Tomorrow's Challenges*, Paris: Quae, eBook [ePub]: 9782759234950, 2022 (with C. Détang-Dessendre and J.-N. Depeyrot).
- Hétérogénéité, déterminants et trajectoires du revenu des agriculteurs français. *Final report of the Agr'Income research projet*, Centre d'études et de prospective, Ministère de l'agriculture et de l'alimentation, 2020 (with M. Benoit, V. Chatellier, H. Dakpo, N. Delame, Y. Desjeux, P. Dupraz, M. Gillot, P. Jeanneaux, C. Laroche, A. Ridier, E. Samson, P. Veysset, P. Avril, C. Beaudouin and S. Boukhriss).
- Chapitre 1. L'emploi et les activités agricoles : chiffres et évolutions clés. In: *Forget V., Depeyrot J.-N., Mahé M., Midler E., Hugonnet M., Beaujeu R., Grandjean A., Hérault B., Actif'Agri. Transformations des emplois et des activités en agriculture*, Centre d'études et de prospective, Ministère de l'agriculture et de l'alimentation, la Documentation française, Paris., 2019 (with V. Forget, A. Grandjean, A. Huille, B. Legagneux, G. Nguyen, C. Detang-Dessendre, B. Dedieu and J. Ramanantsoa).
- Chapitre 2. Trois tendances structurantes : concentration, sous-traitance et diversification des exploitations. In: *Forget V., Depeyrot J.-N., Mahé M., Midler E., Hugonnet M., Beaujeu R., Grandjean A., Hérault B., Actif'Agri. Transformations des emplois et des activités en agriculture*, Centre d'études et de prospective, Ministère de l'agriculture et de l'alimentation, la Documentation française, Paris., 2019 (with C. Bigneat, N. Delame, M. Hugonnet, B. Legagneux and G. Nguyen).
- Chapter 10. Farm Structures: Current Shaping Forces and Future Farms. In: *Le Mouël C., de Lattre-Gasquet M., Mora, O. (eds). Land Use and Food Security in 2050: A Narrow Road. Agrimonde-Terra*, Editions Quae, Paris (France), 2018 (with C. Donnars, M. de Lattre-Gasquet and J. Marzin).
- Structures des exploitations d'élevage dans l'Union Européenne. In: *B. Dumont et al. Rôles, impacts et services issus des élevages en Europe, Rapport de l'Expertise scientifique collective réalisée par l'INRA à la demande des ministères en charge de l'Écologie et de l'Agriculture, et de l'Ademe*, INRA, Paris (France), 2016.
- Quel(s) avenir(s) pour les structures agricoles ? In: *Levesque R. (coord.). Agriculture et foncier. Concurrences entre usages des sols et entre usagers des sols agricoles : la question foncière renouvelée*, Cahier Demeter, Paris (France), 2014 (with M. de Lattre-Gasquet, C. Donnars and J. Marzin).
- Chapter 8. The influence of agricultural subsidies and regulations on sale prices of farmland in France. In: *J. Swinnen and L. Knops (eds.). Land, labour and capital markets in European agriculture. Diversity under a common policy*, CEPS, Brussels (Belgium), 2013 (with L. Latruffe, P. Dupraz and C. Le Mouël).

Selected conferences

- The capitalisation of agricultural income and the creation of professional agricultural assets. *XVIIth Congress of the European Association of Agricultural Economists*, Rennes (France), August 29-September 1, 2023 (with P. Jeanneaux)
- Impacts of future climate-induced agricultural land use change on current farmland price. Toward an agent-based modelling approach. *XVIIth Congress of the European Association of Agricultural Economists*, Rennes (France), August 29-September 1, 2023 (with M. Fromage and S. Huettel).
- Distribution of farm income and redistribution role of CAP payments in France. *27th meeting of the OECD Network for Farm Level Analysis*, Paris (France – videoconference), April 23, 2021 (with Y. Desjeux).
- La performance économique d'une exploitation est-elle influencée par une transmission intergénérationnelle à venir ? *15e Journées de Recherches en Sciences Sociales*, Toulouse (France), December 9-10, 2021 (with L. Latruffe and A. Collard).
- A counterfactual analysis of changes in the distribution of French farm incomes. *171st seminar of the EAAE "Measuring and evaluating farm income and well-being of farm families in Europe. Towards a shared and broader approach for analysis and policy design"*, Taenikon (Switzerland), September 5-6, 2019 (with Y. Desjeux).

- Early exit from business, performance and neighbours' influence: a study of farmers in France. *18th International Workshop on Spatial Econometrics and Statistics*, Paris (France), May 23-24, 2019 (with L. Latruffe L. and E. Paroissien).
- What drives competition on the farmland market? A case study in Brittany (France). *165th seminar of the EAAE "Agricultural Land Markets. Recent Developments, Efficiency and Regulation"*, Berlin (Germany), April 4-5, 2019 (with R. Melot and S. Diop).
- On the role of probability weighting on WTP for crop insurance with and without yield skewness. *12e Journées de Recherches en Sciences Sociales*, Nantes (France), December 13-14, 2018 (with D. Bougherara).
- Concentration of the agricultural production in the EU: the two sides of a coin. *XVth Congress of the European Association of Agricultural Economists*, Parma (Italy), August 29-September 1, 2017.
- Recent trends in the distribution of farm sizes in the EU. *149th seminar of the EAAE "Structural change in agri-food chains: new relations between farm sector, food industry and retail sector"*, Rennes (France), October 27-28, 2016.
- The evolution of farm structures in Europe: did 'concentration' mean 'homogenization'? *European Association for Rural Development Institutions (AEIAR) 50th anniversary "Future land use of rural and peri-urban areas"*, Brussels (Belgium), September 7-8, 2016.
- Assessing structural change in French agriculture with a parametric Markov chain model. *Colloque SFER « Structures d'exploitation et exercice de l'activité agricole : Continuités, changements ou ruptures ? »*, Rennes (France), 12-13 février, 2015.

Selected participations in research projects

- 2022-2027 *Designing a Roadmap for Effective and Sustainable Strategies for Assessing and Addressing the Challenges of EU Agriculture to Navigate within a Safe and Just Operating Space (BrightSpace)*. EU Horizon Project No. 101060075.
- 2020-2026 *Facilitate public action to exit from pesticides (FAST)*. Priority Research Program "Cultivate & Protect Differently".
- 2018-2022 *Low-input farming and territories - Integrating knowledge for improving ecosystem based farming (LIFT)*. EU H2020 Project No. 770747.
- 2018-2020 *Heterogeneity, drivers and trends in the income of French farmers (Agr'Income)*. French ministry for Agriculture and Food research project - coordinator.
- 2017-2020 *Farm value and farm transfer: perspectives from economics and sociology (FARM_VALUE)*. French National Research Agency (ANR) research project.
- 2014-2016 *Farm level indicators for new topics in policy evaluation (FLINT)*. EU FP7 project No. 613800.
- 2010-2014 *Farmers risk aversion and pesticides use (AVERSIONRISK)*. French Ministry of Environment research project.
- 2010-2012 *Comparative analysis of factor markets for agriculture across the Member States (FACTOR MARKETS)*. EU FP7 project No. 245123.
- 2008 *Study on the functioning of land markets in the EU member States under the influence of measures applied under the Common Agricultural Policy*. EU tender project No. AGRI/2007-G4-14.

Teaching

- 2014-2017 Tutor for "Agent-based modelling in agricultural economics"; Master students, Agrocampus Ouest, France.
- 2011-2018 Tutor for "Experimental methods for eliciting farmers preferences toward risk"; Master students, Agrocampus Ouest, France.

Selected supervisions and participations in the jury of PhD students

- 2024 Kionka M. *Four Essays on Price Formation in Agricultural Land Markets*. Humboldt University in Berlin, Germany (external referee).
- 2021-2024 Fromage M. *Prospective study of the effects of climate change on the French agricultural land market*. Institut Agro Rennes-Angers, France (co-supervisor).
- 2019 Preux T. *De l'agrandissement des exploitations agricoles à la transformation des paysages de bocage : analyse comparative des recompositions foncières et paysagères en Normandie*. Université de Caen Normandie (jury member).
- 2013-2016 Saint-Cyr L. D. F. *Accounting for unobserved farm heterogeneity in modelling structural change: evidence from France*. Agrocampus Ouest, France (co-supervisor).
- 2014 Storm H. *Methods of analysis and empirical evidence of farm structural change*. Bonn University, Germany (external referee).
- 2010-2014 Gassmann X. *Eliciting farmers' risk and ambiguity preferences using field experiments*. Rennes 1 University, France (PhD committee and jury member).

Selected supervisions of Master degree students

- 2023 Tardieu L. *Analyse de la structure de la propriété du foncier agricole en France*. Institut Agro Rennes-Angers (France).
- 2022 Vangu J. *Application des méthodes d'analyse des effets de traitement pour l'étude de l'impact de la LGV-BPL sur le prix de l'immobilier en milieu rural*. École Nationale de la Statistique et de l'Analyse de l'Information (France).
- 2020 Bernigaud C. *Etude des défaillances des entreprises agricoles à partir de données de la banque de France*. Institut Agro-Agrocampus Ouest (France).
- 2020 Marolleau L. *Performance et transmission des exploitations agricoles : une analyse par les effets de traitement*. École Nationale de la Statistique et de l'Analyse de l'Information (France).
- 2019 Beaudouin C. *Étude des effets redistributifs de la PAC à l'aide d'un simulateur*. AgroParisTech and Université Paris-Saclay (France).
- 2019 Collard A. *Performance et transmission des exploitations agricoles*. Université de Rennes 1 (France).
- 2018 Diop S. *Analyse des déterminants de la concurrence sur le marché foncier agricole en Bretagne*. École Nationale de la Statistique et de l'Analyse de l'Information (France).
- 2015 Nguemdjo U. *Mise au point d'une méthode de re-calcul des coefficients d'extrapolation du RICA pour une utilisation en panel. Application au calcul de matrices de transition*. École Nationale de la Statistique et de l'Analyse de l'Information (France).

Selected other activities and responsibilities

- Member of the Scientific Committee of the SFER workshop “Les exploitations agricoles et les métiers en agriculture : Évolutions, transformations, perspectives” (2024).
- Referee for: *Agricultural and Food Science; American Journal of Agricultural Economics; Australian Journal of Agricultural and Resource Economics; Bio-based and Applied Economics; Canadian Journal of Agricultural Economics; Cahiers Agricultures; Économie Rurale; European Review of Agricultural Economics; Fourrages; International Journal of Agricultural Resources, Governance and Ecology; Review of Agricultural, Food and Environmental Studies; Stata Journal*.
- Member of the Scientific Committee of the 2nd International Symposium on Work in Agriculture (2021)
- Member of the Scientific Committee of the 165th EAAE Seminar “Agricultural Land Markets. Recent Developments, Efficiency and Regulation” (2019)

- EAAE representative on the Advisory Board of *EuroChoices* (since 2018)
- Member of the board of SFER (Société Française d'Économie Rurale), the French society for rural economics (since 2011)
- Editor of the *Working Papers SMART-LERECO* series (2011-2014).
- Member of the Scientific Committee of the 149th EAAE Seminar “Structural change in agri-food chains: new relations between farm sector, food industry and retail sector” (2016)
- Chair of the Scientific and Organizing Committees of the SFER workshop “Structures d'exploitation et exercice de l'activité agricole : continuités, changements ou ruptures ?” (2015)
- Member of the Editorial Board of *Notes et Études Économiques* (2003-2007).