
INRAE

Structures et Marchés Agricoles, Ressources
et Territoires (SMART)

4 allée Adolphe Bobierre, CS 61103
35011 Rennes Cedex, France

Phone: +33 (0)2 23 48 54 15

E-mail: geraldine.bocqueho@inrae.fr

RESEARCH INTERESTS

Decision making (risk and behavioral models, experimental economics, technology adoption) ♦ Sustainable food consumption ♦ Environmental and agricultural policies (land-use change, production systems, ecosystem services) ♦ Choice modeling ♦ Partial equilibrium, spatial and dynamic modeling

PROFESSIONAL EXPERIENCE

Researcher – French National Institute for Agriculture, Food and the Environment (INRAE), Rennes, France **since 2026**

Researcher – French National Institute for Agriculture, Food and the Environment (INRAE), Nancy, France **since 2015**

Research fellow – International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria **2012-2015**

PhD candidate – French National Institute for Agricultural Research (INRA), Paris-Grignon, France **2008-2012**

Policy analyst – FranceAgriMer, French Ministry of Agriculture and Fisheries, Montreuil, France **2004-2007**

Visiting scholar – Agronomists and Vets without Borders (AVSF), La Paz, Bolivia **2003**

EDUCATION

Ph.D., Economics, granted with highest honors in 2012
AgroParisTech, Paris, France

M.Sc., Natural Resource, Energy and Environmental Economics, granted with highest honors in 2008

AgroParisTech, Paris, France / **University of Paris X**, Paris, France / **French Institute of Petroleum (IFP) School**, Rueil-Malmaison, France

M.Sc., Agricultural Development, granted with highest honors in 2003
Engineer Diploma, Life Sciences, 2003
AgroParisTech, Paris, France

PROJECTS

PERCEVAL (INRAE TETRAE and région Grand Est) ♦ **NOBEL** (ERA-NET ForestValue) ♦ **MESSYA** (LabEx ARBRE) ♦ **MANIFEST** (INRAE) ♦ **RIM** (CPER Lorraine Ariane) ♦ **ASILE** (CPER Lorraine Ariane) ♦ **ModelEco** (Agropolis Fondation) ♦ **FORMES²** (INRA and LabEx ARBRE) ♦ **ADOSE-CAPP** (INRA) ♦ **PMPS: Project Monitoring and Policy Scenarios** (International Fund for Agricultural Development) ♦ **CoForTips** (Austrian Science Fund) ♦ **REDD Policy Assessment Centre** (German International Climate Initiative) ♦ **POPSY** (French National Agency for Research) ♦ **Futurol** (OSEO Innovation) ♦ **Bioenergy Network of Excellence** (European Commission FP6)

OTHER SKILLS

Languages:

- French (native speaker)
- English and Spanish (fluent)
- Portuguese and Russian (basic)

Software: Stata, R, ArcGis, GAMS, L^AT_EX

SERVICE

- Member of the Ph.D. committee of Nikola Jovanovic (thesis defended in 2024, INRAE, Nancy).
- Member of the Ph.D. committee of Daniel Joel Elanga Mendogo (thesis defended in 2024, Université de Lorraine, Nancy).
- Member of the defense jury for Ph.D. candidate Camille Tevenart (thesis defended in 2019, AgroParisTech, Nancy).
- Member of the defense jury for Ph.D. candidate Frankwin van Winsen (thesis defended in 2014, Ghent University, Belgium).
- Member of the defense jury for M2 candidate Clémence Barrey (thesis defended in 2025, Institut Agro, Rennes).
- Member of the defense jury for M2 candidate Joséphine Lefèvre (thesis defended in 2025, Institut Agro, Rennes).
- Member of the program committee of the 4th Annual Conference of the *French Association of Environmental and Resource Economists* (September 12-13, 2017, Nancy, France).
- Member of the program committee of the 65th Annual Meeting of the *French Economic Association* (June 27-29, 2016, Nancy, France).

- Referee for *American Journal of Agricultural Economics*, *Applied Economic Perspectives and Policy*, *European Review of Agricultural Economics*, *Journal of Agricultural Economics*, *Land Use Policy*, *Theory and Decision*, *Economie Rurale*, *Revue Française d'Economie*.

- From 2016 to 2019, member of the scientific committee of the *Champagne and Bourgogne Forest National Park*.

STUDENT SUPERVISION

- 2022, Silia Haya, *Analyse économique des relations entre la production de bois et d'autres services écosystémiques forestiers sur le territoire du Parc Naturel Régional des Ballons des Vosges*, M2 thesis, Institut Agro, Rennes
- 2022, Siwar Saadaoui, *Spatial analysis of the relationship between wood production and other forest ecosystem services in the territory of the Ballons des Vosges regional park*, M2 thesis, Institut National Agronomique de Tunisie, Tunis
- 2021, Elodie Bettembos, *Exploration de l'outil InVEST pour la cartographie et l'évaluation des services écosystémiques forestiers*, M1 thesis, Sorbonne Université, Paris
- 2017, Javier Rua Montes, *Analyse du comportement d'un propriétaire forestier face aux risques extrêmes à travers la modélisation et la simulation : exemple du risque de tempête en forêt de chêne*, M2 thesis, AgroParisTech, Paris

REFEREED JOURNAL PUBLICATIONS

- [1] Elanga Mendogo, D. J. and Bocquého, G. (2024). Risk preferences and refugee migration to europe: An experimental analysis. *European Journal of Political Economy*, 83:102544
- [2] Bocquého, G., Deschamps, M., Helstroffer, J., Jacob, J., and Joxhe, M. (2023). Modelling refugee migration under cognitive biases: Experimental evidence and policy. *Journal of Behavioral and Experimental Economics*, 103:101969
- [3] Bocquého, G., Jacob, J., and Brunette, M. (2023). Prospect theory in multiple price list experiments: further insights on behaviour in the loss domain. *Theory and Decision*, 94:593–636
- [4] Shanafelt, D. W., Serra-Diaz, J. M., and Bocquého, G. (2023). Measuring uncertainty in ecosystem service correlations as a function of sample size. *Ecosystem Services*, 63:101546
- [5] Stokes, A., Bocquého, G., Carrere, P., Salazar, R. C., Deconchat, M., Garcia, L., Gardarin, A., Gary, C., Gaucherel, C., Gueye, M., Hedde, M., Lescourret, F., Mao, Z., Quérou, N., Rudi, G., Salles, J.-M., Soubeyran, R., Subervie, J., Vialatte, A., Vinatier, F., and Thomas, M. (2023). Services provided by multifunctional agroecosystems: Questions, obstacles and solutions. *Ecological Engineering*, 191:106949
- [6] Boere, E., Mosnier, A., Bocquého, G., Garbero, A., Krisztin, T., Havlík, P., and Elhaut, T. (2018). Developing country-wide farming system

typologies. an analysis of ethiopian smallholders' income and food security. *IFAD Research Series*, (32):35

[7] Bocquého, G., Jacquet, F., and Reynaud, A. (2014). Expected utility or prospect theory maximisers? Assessing farmers' risk behaviour from field-experiment data. *European Review of Agricultural Economics*, 41(1):135–172

[8] Bocquého, G., Jacquet, F., and Reynaud, A. (2013). Reversal and magnitude effects in long-term time preferences: Results from a field experiment. *Economics Letters*, 120(1):108–111

[9] Bocquého, G. and Jacquet, F. (2010). The adoption of switchgrass and miscanthus by farmers: Impact of liquidity constraints and risk preferences. *Energy Policy*, 38(5):2598–2607

SUBMITTED JOURNAL PUBICATIONS

[1] Abildtrup, J., Bocquého, G., Boun My, K., Stenger, A., and Tiet, T. (2024). The role of mandatory and voluntary joint bidding in promoting efficiency in conservation auction. *Submitted to Environmental Management: Economics and Policy*.

BOOK CHAPTERS AND THESES

[1] Bocquého, G. (2017). Effects of liquidity constraints, risk and related time effects on the adoption of perennial energy crops. In Khanna, M. and Zilberman, D., editors, *Handbook of Bioenergy Economics and Policy: Vol. II*, volume 40 of *Natural Resource Management and Policy*, chapter 16. Springer-Verlag, New York, USA

[2] Bocquého, G. (2012). *Risk, time and adoption of perennial energy crops: Insights from the French setting*. PhD thesis, AgroParisTech, Paris, France

[3] Bocquého, G. (2008). *An appraisal of risk on perennial energy crops in France*. Master thesis, IFP School, Rueil-Malmaison, France

[4] Bocquého, G. (2003). *Technical and economic diagnosis of an agrarian economy of subandine Bolivia: Strengths and weaknesses of family-run and market-oriented farming systems*. Master thesis, AgroParisTech, Paris, France

CONFERENCE PUBLICATIONS

[1] Obersteiner, M., Kraxner, F., Mosnier, A., Bocquého, G., Khabarov, N., and Havlík, P. (2014). Addressing the drivers of deforestation: Exploring synergies between REDD+ and forest policy. In Parrotta, J. A., Moser, C. F., Scherzer, A. J., Koerth, N. E., and Lederle, D. R., editors, *XXIV IUFRO World Congress*, volume 16 of *The International Forestry Review*, page 545. Commonwealth Forestry Association. 5-11 October 2014, Salt Lake City, USA

[2] Mosnier, A., Bocquého, G., Mant, R., Obersteiner, M., , Havlík, P., Kapos, V., Fritz, S., and Botrill, L. (2014). REDD+ projects in the Democratic Republic of Congo: Impacts on future emissions, income and biodiversity. In *11th EGU General Assembly*, volume 16 of *Geophysical Research Abstracts*, page 14713. 27 April-2 May 2014, Vienna, Austria

[3] Martin, L., Le Ber, F., Wohlfahrt, J., Bocquého, G., and Benoît, M. (2012). Modelling farmers' choice of miscanthus allocation in farmland: A case-based reasoning model. In Seppelt, R., Voinov, A., Lange, S., and Bankamp, D., editors, *2012 International Congress on Environmental Modelling and Software, Managing Resources of a Limited Planet, Sixth Biennial Meeting*. International Environmental Modelling and Software Society (iEMSs). 1-5 July 2012, Leipzig, Germany

OTHER PUBLICATIONS

WORKING PAPERS

[1] Abildtrup, J., Bocquého, G., Boun My, K., Stenger, A., and Tiet, T. (2025). The role of mandatory and voluntary joint bidding in promoting efficiency in conservation auction. BETA Working Paper, no. 2025-40

[2] Bocquého, G., Jacob, J., and Brunette, M. (2020). Prospect theory in experiments: behaviour in loss domain and framing effects. BETA Working Paper, no. 2020-44

[3] Bocquého, G., Deschamps, M., Helstroffer, J., Jacob, J., and Joxhe, M. (2018). Risk and refugee migration. Sciences Po OFCE Working Paper, no. 10, 2018-03-12

DATASETS

[4] Câmara, G., Soterroni, A., Ramos, F., de Carvalho, A. Y., Andrade, P., Souza, R. S., Mosnier, A., Mant, R., Buurman, M., Pena, M., Havlík, P., Pirker, J., Kraxner, F., Obersteiner, M., Kapos, V., Affonso, A., Espindola, G., and Bocquého, G. (2016b). Modelling land use changes in Brazil 2000-2050 (dataset). Dataset. REDD-PAC project

RESEARCH REPORTS

[5] Bocquého, G., and Shanafelt, D. (2023). Mapping Ecosystem Service Supply in Conservation Areas. Final report of the MESSYA project, INRAE. 3pp.

[6] Bocquého, G., and Tardieu, L. (2020). Efficient Forest Management Strategies for Ecosystem Service Provision. Final report of the FORMES² project, INRAE. 4pp.

[7] Martinet, V., David, M., Langlois, B., Garcia, S., Tardieu, L., Abildtrup, J., Bocquého, G., van der Heijden, G., Saint-André, L., Reynaud, A., Amigues, J.-P., Salles, J.-M., Cahuzac, E., Tichit, M., Accatino, F.,

Thérond, O., Roques, L., Bohan, D., Ricci, B., and Rusch, A. (2018). Articuler demande et offre de services écosystémiques pour leur cartographie et l'analyse de politiques publiques. Final report of the ADOSE-CAPP project, INRAE. 4pp.

[8] Mosnier, A., Tonga, P., Mant, R., Pirker, J., Pietsch, S., Bocquého, G., Bodin, B., Gillet, P., Havlík, P., Obersteiner, M., Kapos, V., Makoudjou, A., Gyscard Ndinga, R., Bokelo Bile, D., and Tadoum, M. (2017). La modélisation des changements d'utilisation des terres dans les pays d'Afrique Centrale 2000-2030. Final report of the CoForTips project, IIASA. 70 p.

[9] Bocquého, G., A., M., Boere, E., Garbero, A., Elhaut, T., and Havlík, P. (2015). Methodology report. Intermediary report of the PMPS project (Deliverable 2), IIASA, INPE, COMIFAC, UNEP-WCMC. 99p.

[10] Câmara, G., Soterroni, A., Ramos, F., de Carvalho, A. Y., Andrade, P., Souza, R. S., Mosnier, A., Mant, R., Buurman, M., Pena, M., Havlík, P., Pirker, J., Kraxner, F., Obersteiner, M., Kapos, V., Affonso, A., Espíndola, G., and Bocquého, G. (2015). Modelling land use changes in Brazil 2000-2050. A report by the REDD-PAC project. Summary of the final report of the REDD-PAC project, INPE, IPEA, IIASA, UNEP-WCMC. 12p.

[11] Mosnier, A., Mant, R., Pirker, J., Bodin, B., Bokelo, D., Tonga, P., Havlík, P., Bocquého, G., Maukonen, P., Obersteiner, M., Kapos, V., and Tadoum, M. (2015a). Modelling land use changes in the Democratic Republic of Congo 2000-2030. A report by the REDD-PAC project. Summary of the final report of the REDD-PAC project, UNEP-WCMC, IIASA, COMIFAC. 12p.

[12] Mosnier, A., Mant, R., Pirker, J., Bodin, B., Makoudjou, A., Awono, E., Bokelo, D., Tonga, P., Ndinga, R., Havlík, P., Bocquého, G., Maukonen, P., Obersteiner, M., Kapos, V., and Tadoum, M. (2015b). Modelling future land use changes in Central Africa 2000-2030. A report by the REDD-PAC project. Summary of the final report of the REDD-PAC project, UNEP-WCMC, IIASA, COMIFAC. 12p.

[13] Mosnier, A., Mant, R., Pirker, J., Bodin, B., Ndinga, R., Tonga, P., Havlík, P., Bocquého, G., Maukonen, P., Obersteiner, M., Kapos, V., and Tadoum, M. (2015c). Modelling land use changes in the Republic of Congo 2000-2030. A report by the REDD-PAC project. Summary of the final report of the REDD-PAC project, UNEP-WCMC, IIASA, COMIFAC. 12p.

[14] Mosnier, A., Mant, R., Pirker, J., Makoudjou, A., Awono, E., Bodin, B., Tonga, P., Havlík, P., Bocquého, G., Maukonen, P., Obersteiner, M., Kapos, V., and Tadoum, M. (2015d). Modelling land use changes in Cameroon 2000-2030. A report by the REDD-PAC project. Summary of the final report of the REDD-PAC project, UNEP-WCMC, IIASA, COMIFAC. 12p.

[15] Tonga, P., Tadoum, M., Mosnier, A., Bocquého, G., Mant, R., and Bodin, B. (2013). Considérations politiques sur l'utilisation des terres dans le

bassin du Congo. Intermediary report of the REDD-PAC project, COMIFAC. 113p.

[16] Bocquého, G., A., M., Andrade, P., Câmara, G., Espíndola, G., Kapos, V., R., M., Ramos, F., Soterroni, A., M., T., Havlík, P., Kraxner, F., and Obersteiner, M. (2012). Assessment strategy report. Intermediary report of the REDD-PAC project (Deliverable 1.2.1.), IIASA, INPE, COMIFAC, UNEP-WCMC. 85p.

WRITTEN PUBLICATIONS FOR NON-SPECIALIST AUDIENCES

[17] Bocquého, G., Carrère, M., Marette, S., Assogna, B., Stein, M., Camillo, A., and Ansour, A. (2023). Fonctionnement des marchés et prix des produits alimentaires. In : Les Savanturiers de l'alimentation durable. INRAE, AFPER. <https://hal.inrae.fr/hal-04240478>

[18] Assogna, B., Bocquého, G., Eymond-Laritz, H., Monfoulet, L.-E., and Camillo, A. (2023). Le kit alimentation durable. Livret d'utilisation. In : Les Savanturiers de l'alimentation durable. INRAE, AFPER. <https://hal.inrae.fr/hal-05224567>

[19] Bocquého, G., Deschamps, M., Helstroffer, J., Jacob, J., and Joxhe, M. (2019). Mieux comprendre le choix de demande d'asile au luxembourg: Aversion pour la perte. *Land*, 13

[20] Câmara, G., Ramos, F., Soterroni, A., Cartaxo, R., Andrade, P., Buurman, M., Affonso, A., Espíndola, G., de Carvalho, A. Y., Pena, M., Mosnier, A., Obersteiner, M., Kraxner, F., Pirker, J., Bocquého, G., Havlík, P., Mant, R., Kapos, V., and Garcia-Rangel, S. (2016a). Using models to inform policies that meet multiple objectives. Assessing the contribution of Brazil's Forest Code to biodiversity conservation. Policy brief of the REDD-PAC project, INPE, IPEA, IIASA, UNEP-WCMC, São José dos Campos, Brasília, Laxenburg, Cambridge. 8p.

[21] Mant, R., Garcia-Rangel, S., Tadoum, M., Nchoutpouen, C., Tonga, P., Makoudjou, A., Bokelo Bile, D., Ndinga, R. G., Mosnier, A., Obersteiner, M., Kraxner, F., Pirker, J., Bocquého, G., Havlík, P., and Kapos, V. (2016). Using models to inform policies to meet multiple objectives. Sustainable development, climate change mitigation and biodiversity conservation in Central Africa. Policy brief of the REDD-PAC project, UNEP-WCMC, IIASA, COMIFAC, Cambridge, Laxenburg, Yaoundé. 8p.

[22] Bocquého, G., Mant, R., Mosnier, A., Câmara, G., Kapos, V., Obersteiner, M. and Tadoum, M. (2014). REDD-PAC: Modeling land-use at global and national scales to support REDD+ policies. *GLP News*, 10:38–40.

[23] Bocquého, G. (2013). Le comportement des agriculteurs face au risque. *Presse Info*, INRA, p.8.

WORK IN
PROGRESS

- Bocquého, G. Forest manager facing extreme risks : Do probability weighting and loss aversion matter in adapting management to windstorms?
- Bocquého, G. and Joxhe, M. Cutting into multiple price lists. A prospect theory experiment.
- Bocquého, G. Can preference measures under uncertainty explain farmers' choices on their farms?
- Bocquého, G., Jacquet, F. and Reynaud, A. Adoption of perennial energy crops and behavioral preferences. An empirical investigation among French farmers.

ORAL
COMMUNI-
CATIONS

International conferences

- 2021, June 23-25, *European Association of Environmental and Resource Economists (EAERE)*, annual conference [online], Berlin, Germany.
- 2015, December 10-11, *French Society of Rural Economics (SFER)*, annual meeting, Nancy, France.
- 2011, December 8-9, *French Society of Rural Economics (SFER)*, annual meeting, Dijon, France.
- 2011, August 30-Sept 2, *European Association of Agricultural Economists (EAAE)*, triennial congress, Zurich, Switzerland.
- 2011, May 19-21, *French Association of Experimental Economists (ASFEE)*, annual meeting, Schœlcher, Martinique, France.
- 2011, April 29-30, *Interuniversity Center for Experimental Economics*, annual workshop on behavioural and experimental economics, Florence, Italy.
- 2009, March 10-12, *Conference on Integrated Assessment of Agriculture and Sustainable Development (AgSAP)*, Egmond aan Zee, The Netherlands.

Other conferences and seminars (selection)

- 2025, November 25, *INRAE, SMART Seminar, Department of Economics*, Rennes, France.
- 2023, Bocquého, G., Monfoulet, L.-E., and Camillo, A. *Webinaire de formation aux "Savanturiers de l'alimentation durable" à destination des enseignants.*
- 2023, Bocquého, G., Assogna, B., Monfoulet, L.-E., Stein, M., Camillo, A., and Ansour, A. *Webinaire de lancement de la thématique "Savanturiers de l'alimentation durable."*
- 2021, October 20-22, *INRAE, RisqFor Seminar, Department of Ecology and Biodiversity*, Nancy, France.
- 2020, December 4, *INRAE, Young Researchers Seminar, Department of Economics*, on-line, France.
- 2013, April 17, *Vienna University of Economics and Business (WU)*, *Research Seminar in Economics, Department of Economics*, Vienna, Austria. Invited speaker.
- 2012, September 18-19, *INRA, Economics of Agricultural Production (EcoProd) Seminar, Department of Economics*, Montpellier, France.
- 2010, March 16, *INRA, Biofuel Seminar, Department of Economics*, Paris, France.

- 2009, November 16-17, *INRA, Economics of Agricultural Production (EcoProd) Seminar, Department of Economics, Rennes, France.*
- 2009, October 1-2, *INRA, Young Researchers Seminar, Department of Economics, Montpellier, France.*