

Maia David - AgroParisTech - Professor in Environmental Economics

Paris-Saclay Applied economics
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Research Interests

Non-market valuation ; Discrete choice experiments
Agri-environmental policies ; Farmers' adoption of agroecological practices
Acceptability of biodiversity conservation in rural and urban areas
Ecosystem services valuation

Current Position

Professor, AgroParisTech, SESG Department (economics, social science & management)
Researcher at Paris-Saclay Applied Economics (PSAE), INRAE - AgroParisTech

Publications

"Caractériser la demande sociale pour la biodiversité et les services écosystémiques à l'aide des sciences économiques : le cas du tramway" with Vaissière, A-C., Calvet, C., Anougmar, S., Bayramoglu, B., Cantuarias-Villesuzanne, C., Tardieu, L., Tuffery, L., Roussel, S., in Bonin, S. (Ed.) *Infrastructures de transport créatives : mieux les intégrer aux écosystèmes, paysages et territoires*. Ed. Quae. forthcoming 2024.

"Les méthodes de préférences déclarées appliquées à l'évaluation de la nature en ville", with Tuffery, L., in C. Cantuarias-Villesuzanne and B. Fragny (Eds.) *Economie urbaine et environnementale*. Edition de Boeck, 2023.

"To tax or to ban? A Discrete Choice Experiment to elicit public preferences for phasing out glyphosate use in agriculture", with Bjornavold, A., Mermet-Bijon, V., Beaumais, O., Crastes dit Sourd, R., Van Passel, S. and Martinet, V., *PLOS One* 18(3) : e0283131, 2023.

"Éclairage public : les Français sont-ils prêts à éteindre la lumière?" with Beaudet, C. and Tardieu, L. *The Conversation*, 2023.

"Are citizens willing to accept changes in public lighting for biodiversity conservation?" with Beaudet, C. and Tardieu, L., *Ecological Economics*, 200 : 107-527, 2022.

"Why does France not meet its pesticide reduction targets? Farmers' socio-economic trade-offs when adopting agroecological practices" with Bjørnåvold, A., Bohan, D.A., Gibert, C., Rousselle, J.M. and Van Passel, S., *Ecological Economics*, 198 : 107440, 2022.

"Spatial preferences for invasion management : a choice experiment on controlling *Ludwigia grandiflora* in a French regional park" with Bougherara, D., Courtois, P. and Weill, J., *Biological Invasions*, 1-21, 2022.

"Public policy design : assessing the potential of new collective Agri-Environmental Schemes in the Marais Poitevin wetland region using a participatory approach" with Dray, A., Cornioley, T., Hardy, P.Y., Kerneis, E., Sabatier, R. and Souchere, V., *Land Use Policy*, 97 : 104724, 2020.

"Understanding farmers' reluctance to reduce pesticide use : A choice experiment" with Chèze, B. and Martinet, V., *Ecological Economics*, 167 : 103349, 2020.

"Vers une co-conception de paysages pour la santé des plantes et avec des acteurs du territoires : Evaluation économique du service de régulation de la santé des cultures " with Langlois, B. et Martinet, V., in Sandrine Petit et Claire Lavigne (Eds.) *Paysage, biodiversité fonctionnelle et santé des plantes*. Edition Quae, Paris, 2019.

"Valuing the Impacts of an Invasive Biological Control Agent : A Choice Experiment on the Asian Ladybird in France" with Chakir, R., Gozlan, E. and Sangare, A., *Journal of Agricultural Economics*, 67 : 619-638, 2016.

"Agri-environmental policies for biodiversity when the spatial pattern of the reserve matters" with Bamière, L. and Vermont, B., *Ecological Economics*, 85 : 97-104, 2013.

"Environmental regulation and mergers within the eco-industry" with Joan Canton and Bernard Sinclair-Desgagné, *Strategic Behavior and the Environment*, 2(2) : 107-132, 2012.

"Emission Taxes and the Market for Abatement Goods and Services" with Alain-Désiré Nimubona and Bernard Sinclair-Desgagné, *Resource and Energy Economics*, 33 : 179-191, 2011.

"Pollution Abatement Subsidies and the Eco-Industry" with Bernard Sinclair-Desgagné, *Environmental and Resource Economics*, 45(2) : 271-282, 2010.

"Politique environnementale et politique de la concurrence", *Economie et Prévision*, 178-179 2007/2-3, 2007.

"Les éco-industries", En Direct des Labos - La lettre INRA aux entreprises, Numéro 9, Mai 2006.

"Environmental regulation and the eco-industry" with Bernard Sinclair-Desgagné, *Journal of Regulatory Economics*, 28(2) : 141-155, 2005.

"Regulating a polluting oligopoly : emission tax or voluntary agreement?", *Review of Development Economics*, 9(4) : 514-529, 2005.

"Les approches volontaires comme instrument de régulation environnementale", *Revue Française d'Economie*, 19 : 227-273, 2004.

"Taxe environnementale et approche volontaire en oligopole", *Revue Economique*, 54(3) : 707-716, 2003.

Working Papers

"The role of the reference situation in Discrete Choice Experiments on future policies : the case of glyphosate in France", with Martinet, V. and Mermet-Bijon, V.

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"A spatial analysis of willingness to accept changes in public lighting", with Beaudet, C., Crastes-dit-Le-Sourd, R. and Tardieu, L.

"Farmers' preferences for integrating semi-natural habitats : a choice experiment in five European countries.", with Kerouaz, F., Bohan, D. and Rambonilaza, T.

"The dilemma of urban green spaces : improved ecosystem services or smooth traffic?", with L. Tuffery, S. Agnoumar, B. Bayramoglu and C. Cantuarias.

"Farmers' preferences regarding practices in favour of soil and water conservation in Tunisia", with Hernandez, S.

Education

Habilitation à Diriger des Recherches, *Université Paris I Panthéon-Sorbonne*, July 2013

Dissertation advisor : Mireille Chiroleu-Assouline

Title : "Environmental policy instruments in presence of strategic behaviors"

Ph.D. Economics, *Ecole Polytechnique & CREST*, Paris, 2004

Dissertation advisors : Olivier Godard and Bernard Sinclair-Desgagné

Title : "Voluntary agreements in environmental policies"

M.A. (DEA) Mathematical Economics and Econometrics, *University La Sorbonne Paris I*, 2000

M.A. Economics, *University Dauphine Paris IX*, 1999

B.A. Economics, *University Autónoma Madrid* (European exchange program ERASMUS), 1998

Scholarships and Awards

Ecole Polytechnique's PhD Prize 2004

Scholarship, Chair in Sustainable Development, *Ecole Polytechnique - CECO*, 2003–2004

Scholarship, CREST - INSEE (French National Institute for Statistics), 2000–2003

Former Experience

Associate professor, AgroParisTech, 2004-2021

Teaching topics : microeconomics, environmental economics, industrial organization, game theory, macroeconomics, ecological economics

Teaching (during the PhD)

Teaching assistant, Microeconomics, *ENSAE*, 2000-2003

Teaching assistant, Game theory, *University Marne-la-Vallée*, 2001-2003

Research and Policy (training courses)

French Ministry of the Environment, 2000

Leuven Catholic University, Belgium, 1999

Organization for Economic Cooperation and Development (OECD), 1998