

Philippe Polomé



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Keywords: Environmental economics ; Risks and environment ; Public policies ;
Econometrics ; Multidisciplinary

Current Appointment

Since 2008	Full professor, Université Lyon 2
Since 2019	Dean of the Faculty of Economics and Management, U. Lyon 2 (elected)

Past Appointments

2007 - 2008	Associate professor (PAST), U Lyon 2
2001 - 2007	Contract researcher (Chargé de Recherche) at: International Center for Integrated Studies (ICIS), U Maastricht (NL) Water Engineering and Management (WEM), U Twente (NL) Unité d'Economie Rurale (ECRU), U catholique de Louvain (Be)
1997 - 2000	Invited professor (Pr. associé), Applied economics department, U de Vigo (Spain)
1994 - 1998	Marie Curie PhD grant holder, U Autònoma de Barcelona, Internat. Doctorate in Econ. Analysis

Professional Responsibilities

Direction of master programs

Since 2016	Master in Risks and Environment : 3 careers; 8 affiliations: UL1-2-3, EC Lyon, EMSE, ENTPE, IEP Lyon & INSA Lyon
Since opening 2012 - 2019	M2 RISE Risque & Environnement - environmental risk governance career - Conference series labeled by Labex IMU; Local funding from PALSE (Projet d'Avenir Lyon - St-Étienne)
2008 - 2013	M2 for research GAEXA : switching to 100% English since 2009; fusion with M2 for research U Jean Monnet in 2011

Involvement in University Lyon 2

2016 - 2019	President (elected) of the Recruitment Organizing Committee, Fac. Economics and Management, U. Lyon 2
2013 - 2019	Scientific council member (elected)
Mission leader for the presidency	2014 - 16 Internationalization of research 2011 - 12 International relations : Beijing & Cuba 2009 - 10 Relations with École Centrale de Lyon in economics

Involvement in IMU Labex [Intelligence des Mondes Urbains](#)

2013-18	Facilitation Theme “Résilience, Risque, Sécurité, Vulnérabilité, Santé”
2011-18	Referent for the GATE-LSE laboratory
2011-13	Facilitation Theme “Urbanisations, Mondialisations, Capitalismes”

Involvement in laboratoire [GATE-LSE - UMR 5824 CNRS](#)

Since 2007	Member
2009 - 2012	Facilitation theme “Espace et Environnement” & member of the council

Participation in external scientific councils

2016 - 2020	IRSTEA Water department
2016 - 2018	EnviteRA GIS Envirhonalp
2011 - 2016	ARC Environnement “Région Rhône Alpes” Funding for Research

International agreements

Since 2017	Creation & direction: Double Degree Master in Environmental Risk U Torino (Italy)
2012 - 2014	Creation & direction: Double Degree undergraduate & master U Castellón (Spain)
2008 - 2014	Pedagogical resp. programme Minerve Économie Espagnol
2010 - 2013	Hosting agreements for U Normal Peking & U National in Economics of Kharkov

Others

2011 - 2015	President of “Commission Scientifique Spécialisée Économie & Sociologie” of INRA (Institut National Recherche Agronomique)
2018 - 2020	Scientific Expert at French Agency for Food, Environmental and Occupational Health & Safety (Agence nationale de sécurité sanitaire de l’alimentation, de l’environnement et du travail – ANSES)

Education

<i>Habilitation à diriger des recherches</i>	<i>Evaluation of the optimal provision of environmental goods and services</i> 2008 public defense at U Lyon 2 Coordination MC. Villeval (DR CNRS) Jury A. Thomas (DR INRA); Pr. G. Rotillon (U Paris X-Nanterre); Pr. JY. Lesueur (U Lyon 2); Pr. M. Chev� (U du Havre); Pr. B. Villeneuve (U de Tours)
<i>PhD thesis</i>	<i>Three Essays on Validating Contingent Valuation</i> 1998 public defense at U Aut�noma de Barcelona Supervision Pr M. Creel (U Aut�noma de Barcelona) Jury: Pr. J. Brandts (CSIC); Pr. B. Kristr�m (Forest U Ume�); Pr. C. Le�n (U Gran Canarias); Pr. E. Dalmau (U Girona); Pr. G. Munda (U Aut�noma de Barcelona)

Referee

Scientific papers	Coastal Engineering; Ecological Economics; Economic and Social Review; Economic Letters; Economie et Statistique; Environmental and Ecological Statistics; Environmental and Resource Economics; Experimental Economics; Forest Systems; Investigaciones Económicas; Journal of Agricultural Economics; Journal of Agricultural Science and Technology; Journal of Economic Behaviour and Organisation; Journal of Environmental Management; Portuguese Economic Journal; Revue française d'Économie; Resources, Conservation & Recycling
Research units	For: INRA, AERES, HCERES : 6 units, 1 as president
Theses & HDR	6 theses & 1 Habilitation à Diriger des Recherches
Research projects	For: Ministère de l'écologie, du développement durable et de l'énergie; Université Lyon 2; Région Rhône-Alpes
Recruitment committees	INRA Researcher (8); Full prof. (4 Lyon2, 1 AgroSup Dijon, 1 Montpellier), Associate prof. (Grenoble, Saint-Étienne), Others

Teaching

Main recent full responsibility classes (recent versions may be found [here](#))

Research in Applied Econometrics	approx. 20 h/y, level M1 for U. Lyon 2, in English
Panel Data Econometrics	approx. 30h/y, level M1 & M2, for U. Lyon 2, UJM & EM Lyon, in French & English
Applied Econometrics with R	approx. 20h/y, level M1 & M2, for U. Lyon 2 & UJM, in French & English
Environmental / Public Economics	approx. 30h/y, level M1 & M2 for U. Lyon 2 & 3 and EC Lyon, in French
Introductory Econometrics	approx. 30 h/y, level L3 for U. Lyon 1 & 2, in French

Supervisions & co-supervisions

PostDoc	Past : 1 (2 years)
PhD theses	Defended: 5; current : 1
Master theses	Several dozens (currently about 2-6 per year) U Lyon 2 ; U de Vigo; U catholique de Louvain; Levels M2R, M2P et M1

Invited conferences on economic valuation

H2O University School for Research (Water), Lyon France 2021; Greater Lyon Urban Community (Water, Roadworks), Lyon France 2015; École Normale Supérieure (Damages), Lyon, France 2012; Summer school in Integrated Assessment (Damages, Public works), The Netherlands 2004; U Twente, (Damages, Public works), The Netherlands 2002; U Maastricht (Health Programs), The Netherlands 2001; U Maastricht (Ecology), The Netherlands 2001

Selected Scientific Publications & Research

Original results in peer-reviewed journals

- [1] M. A. Cunha-e-Sá, M. M. Ducla-Soares, L. Catela Nunes, and P. Polomé. Consistency in mixed demand systems: An application to contingent valuation and travel cost data. *American Journal of Agricultural Economics*, 86(2):444–54, 2004.
- [2] P. Polomé, A. van der Veen, and P. Geurts. Is referendum the same as dichotomous choice contingent valuation? *Land Economics*, 82(2):174–188, 2006.
- [3] J. Buysse, B. Fernagut, O. Harmignie, B. Henry de Frahan, L. Lauwers, P. Polomé, G. Van Huylenbroeck, and J. Van Meensel. Farm-based modelling of the eu sugar reform: Impact on belgian sugar beet suppliers. *European Review of Agricultural Economics*, 34(1), 2007.
- [4] A. Baudry, B. Henry de Frahan, and P. Polomé. Modelling the reform of the milk sector. *European Review of Agricultural Economics [IF 1.544]*, 40, 2011.
- [5] Philippe Polomé. Private forest owners motivations for adopting biodiversity-related protection programs. *Journal of Environmental Management [IF 4.01]*, 183:212–219, 2016.
- [6] Philippe Polomé, Emmanuel Mignot, Amine Nasri, Gislain Lipeme Kouyi, Laurence Campan, Corinne Hooge, and Nicolas Rivière. Urban domestic wastewater: how to reduce individual injection? *Water Science and Technology [IF 1.197]*, 73(1):144–152, 2016.
- [7] Izabela Jelovac and Philippe Polomé. Incentives to patients versus incentives to health care providers: The users’ perspective. *Health Economics [IF 2.301]*, 26(12):e319–e331, 2017. HEC-15-0617.R2.
- [8] Antoine Gosset, Philippe Polome, and Yves Perrodin. Ecotoxicological risk assessment of micropollutants from treated urban wastewater effluents for watercourses at a territorial scale: application and comparison of two approaches. *International Journal of Hygiene and Environmental Health [IF 4.379]*, 224, March 2020.
- [9] Rayan Bouchali, Claire Mandon, Romain Marti, Jérôme Michalon, Axel Aigle, Laurence Marjole, Sophie Vareilles, Gislain Lipeme Kouyi, Philippe Polomé, Jean-Yves Toussaint, and Benoit Cournoyer. Bacterial assemblages of urban microbiomes mobilized by runoff waters match land use typologies and harbor core species involved in pollutant degradation and opportunistic human infections. *Science of The Total Environment (IF 7.963)*, page 152662, 2021.
- [10] Antoine Gosset, Laure Wiest, Aurélie Fildier, Christine Libert, Barbara Giroud, Myriam Hammada, Matthieu Hervé, Elisabeth Sibeud, Emmanuelle Vulliet, Philippe Polomé, and Yves Perrodin. Ecotoxicological risk assessment of contaminants of emerging concern identified by “suspect screening” from urban wastewater treatment plant effluents at a territorial scale. *Science of The Total Environment (IF 7.963)*, 778:146275, 2021.
- [11] Laure Wiest, Antoine Gosset, Aurélie Fildier, Christine Libert, Matthieu Hervé, Elisabeth Sibeud, Barbara Giroud, Emmanuelle Vulliet, Thérèse Bastide, Philippe Polomé, and Yves Perrodin. Occurrence and removal of emerging pollutants in urban sewage treatment plants using lc-qtof-ms suspect screening and quantification. *Science of The Total Environment (IF 7.963)*, 774:145779, 2021.

- [12] Jens ABILDTRUP, Anne STENGER, Francis De Morogues, Philippe POLOME, Marieke BLONDET, and Claude MICHEL. Biodiversity protection in private forests: Pes schemes, institutions and prosocial behavior. *Forests (IF 2.633)*, Forthcoming (aug. 2021).

Book chapters and peer-reviewed reports

- [13] Denis Charpin, Nicolas Desneux, Abraham Escobar-Gutierrez, Boris Fumanal, Philippe Polome, Pascal Poncet, Olivier Sanchez, and Michel Thibaudon. Avis et rapport de l'anses relatif à l'impact sanitaire et coûts associés de l'ambroisie à feuilles d'armoise en france. *Rapport ANSES*, 2020.
- [14] J. Buysse, B. Fernagut, O. Harmignie, B. Henry de Frahan, G. van Huylenbroeck, L. Lauwers, J. van Meensel, and P. Polomé. *Management of Natural Resources: A Handbook of Operations Research Models, Algorithms, and Implementations*, chapter Positive Mathematical Programming for Agricultural and Environmental Policy Analysis: Review and Practice. Kluwers International Series in Operations Research and Management Science. Kluwer Academic, 2006.
- [15] P. Polomé. *Forestry in the Midst of Global Changes*, chapter 15. Motivation of service producers. CRC Press, 2018.

Recent research & education projects (created, co-created, headed or co-headed)

- [16] P. Polomé. Project biomotion : Motivations for and effects of voluntary actions and biodiversity policies on ecosystem services (8 partenaires). Project Proposal Submitted to ERA-Net BioDiversa (not granted), 2011.
- [17] P. Polomé. Bonus qualité formation M2 GAEXA. Education Project Proposal, Université Lyon 2 (granted), 2012.
- [18] P. Polomé. Bonus qualité formation M2 RISE. Education Project Proposal, Université Lyon 2 (granted), 2012.
- [19] P. Polomé. Évaluation de la politique de covoiturage du grand lyon. Project Proposal Submitted to Greater Lyon Metropolitan Area (Granted), 2012.
- [20] P. Polomé, N. Rivière, S. Robin, and E. Mignot. Rires : Rejet individuel dans le reseau : Simulation hydrodynamique, comportements individuels et politiques du grand lyon. Project Proposal Submitted to the Labex Intelligence des Mondes Urbains (granted), 2012.
- [21] F. de Morogues, J. Abildtrup, M. Blondet, P. Polomé, and A. Stenger. AMII : Articuler motivations, incitations et institutions pour mieux mobiliser les propriétaires forestiers privés en faveur de la protection de la biodiversité. Research Project Proposal Submitted to the call "Biodiversité, Gestion Forestière et Politiques Publiques" from the French Ministry of Ecology (Granted), 2014.
- [22] P. Polomé. Initiatives structurantes des formations en risques et environnement. Formations partenariales innovantes - PALSE - Projet d'Avenir Lyon - St-Étienne (granted), 2014.
- [23] T. Coanus, B. Cournoyer, S. Frioux, Y. Perrodin, and P. Polomé. Risques et pluridisciplinarité construction d'une démarche d'appréhension globale des dangers potentiels dans le N.-E. de l'agglomération lyonnaise. Project Proposal Submitted to the Labex Intelligence des Mondes Urbains (granted), 2015.

- [24] B. Cournoyer, G. Lipeme Kouyi, J.Y. Toussaint, and P. Polomé. Incidence of urban patterns on the microbiological quality of surface runoffs and the dissemination of bacterial pathogens. Appel à projets de recherche de l'Anses - Agence nationale de sécurité sanitaire de l'alimentation, de l'environnement et du travail (Granted), 2016.
- [25] S. Frioux, T. Coanus, and P. Polomé. Au risque de la pluridisciplinarité : construction et temporalité des données dans le champ risques/environnement. applications dans le nord-est de l'agglomération lyonnaise. Projets exploratoires premier soutien (PEPS) Interdisciplinaires, Université de LYON - CNRS (Granted), 2016.
- [26] P. Polomé and T. Coanus. COOPERA genève. Regional Program for Research and Higher Education (CMIRA) (granted), 2016.
- [27] P. Salizzoni and P. Polomé. COOPERA turin. Regional Program for Research and Higher Education (CMIRA) (granted), 2016.
- [28] T. Coanus and P. Polomé. Risques et pluridisciplinarité II. Research Project Proposal Submitted to the Labex Intelligence des Mondes Urbains (Granted), 2017.
- [29] Y. Perrodin and P. Polomé. Risques écotoxicologiques liés à l'émission des polluants émergents à l'échelle d'un territoire urbain : évaluation et liens avec l'environnement socio-urbanistique des step. Research Project submitted to the Lyon Urban School (Granted), 2018.
- [30] P. Polomé and P. Salizzoni. Scusi torino. Regional Program for Research and Higher Education (SCUSI) (granted), 2018.
- [31] B. Cournoyer, J.Y. Toussaint, S. Vareilles, G. Lipeme Kouyi, P. Polomé, and L. Jacob. Incidence des morphologies et typologies urbaines sur la structure des microbiomes et la dissémination d'espèces pathogènes (urbamic). Research Project Submitted to CNRS - MITI AAP 2019 (Granted), 2019.