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CURRENT POSITION

Senior Research Fellow, CNRS (with tenure from 1st May 2002)
Based at Centre d'Economie de la Sorbonne (CES), research unit of the CNRS and Université Paris 1 Panthéon-Sorbonne.

DEGREES

Habilitation à diriger des recherches, Université Paris 1 Panthéon-Sorbonne, 2008
Ph.D. Agricultural and Resource Economics, University of California, Berkeley, 1998
M.Sc. Environmental and Resource Economics, University College London, 1992
M.Sc. Economics, Stockholm School of Economics, 1991

FIELDS OF RESEARCH INTERESTS

Environmental and Resource Economics, Public Economics

PROFESSIONAL EXPERIENCE

Research Fellow CNRS
Centre International de Recherche sur l'Environnement et le Développement (CIRED), research unit of the CNRS-EHESS-ENGREF-ENPC, 1999-2004

Postdoctoral Research Fellow
Institute of Economics, University of Copenhagen, 1998-99

Postgraduate Research Fellow
Institut National de la Recherche Agronomique (INRA), Toulouse, France, 1996-97

Research Associate
Stockholm Environment Institute at York, UK, 1992-94

VISITING RESEARCHER POSITIONS

Department of Economics, University of Padova, February - May 2010, February - May 2011
Department of Economics, University of Gothenburg, February - June 2008
Agricultural and Resource Economics, University of California, Berkeley, January - July 2005

PUBLICATIONS

Refereed Journal Articles

"Policy for the Adoption of New Environmental Monitoring Technologies to Manage Stock Externalities", *Journal of Environmental Economics and Management*, accepted (with Angels Xabadia and David Zilberman).

"Household Adoption of Water-Efficient Equipment: The Role of Socio-economic Factors, Environmental Attitudes and Policy", *Environmental and Resource Economics* 46(4), 539-565, 2010 (with Céline Nauges).

"Les facteurs de la dépollution dans les pays en transition (The factors behind CO2 emission reduction in transition economies)", *Recherches Economiques de Louvain - Louvain Economic Review* 75(4), 461-501, 2009 (with Natalia Zugravu and Gérard Duchêne).

"The Effect of Uncertainty on Pollution Abatement Investments: Measuring Hurdle Rates for Swedish Industry", *Resource and Energy Economics* 30(4), 475-491, 2008 (with Åsa Löfgren and Céline Nauges).

"The Character of Demand in Mature Organic Food Markets: Great Britain and Denmark Compared", *Food Policy* 33(5), 406-421, 2008 (with Mette Wier, Katherine O'Doherty Jensen and Laura M. Andersen).

"Ex Post Evaluation of an Earmarked Tax on Air Pollution", *Land Economics* 82(1), 68-84, 2006 (with Céline Nauges).

"Nonpoint Source Pollution When Polluters Might Cooperate", *Topics in Economic Analysis & Policy* 5(1), Article 12, 2005 (with François Salanié).
(<http://www.bepress.com/bejeap/topics/vol5/iss1/art12>)

"Technology Transfers in the Clean Development Mechanism - An Incentives Issue", *Environment and Development Economics* 7, 449-466, 2002.

"Regulating Pollution with Endogenous Monitoring", *Journal of Environmental Economics and Management* 44(2), 221-241, 2002 (with David Sunding and David Zilberman).

"Using Water Markets to Improve Environmental Quality: Two Innovative Programs in Nevada", *Journal of Soil and Water Conservation*, 55(1), 19-26, 2000 (with Sabrina Isé and David Sunding).

"Endogenous Monitoring: A New Challenge for the Regulation of Energy Externalities", *Quarterly Journal of Economic Research* 68(4), 635-646, 1999.

"Pesticide Use and Regulation: Making Economic Sense out of an Externality and Regulation Nightmare", *Journal of Agricultural and Resource Economics* 22(2), 321-332, 1997 (with David Zilberman).

"Financial Incentives and Pesticide Use", *Food Policy* 22(2), 133-144, 1997 (with David Zilberman).

"Prospects for the Joint Implementation of Sulfur Emission Reductions in Europe", *Energy Policy* 24(6), 507-516, 1996 (with Peter D. Bailey, Clair A. Gough and Michael J. Chadwick).

"Packaging Waste Management in Sweden: a Product Charge", *Resources, Conservation and Recycling*, 10, 349-375, 1994.

"Why Poor Regions Stay Poor - An Institutional Approach to the Mezzogiorno", *Journal of Regulatory Policy*, 13, 51-71, 1993 (with Sophie Olsson).

Survey Articles

"The Clean Development Mechanism". Invited contribution to *Encyclopedia of Energy, Natural Resource and Environmental Economics*, edited by Jason Shogren, Elsevier, forthcoming.

"La taxation énergie-climat en Suède". *Droit de l'Environnement*, Numéro spécial Les Entretiens du Conseil d'Etat : La fiscalité environnementale, n° 175 janvier 2010.

"Environmental Taxes: A Comparison of French and Swedish Experience from Taxes on Industrial Air Pollution". *CESifo DICE Report - Journal for Institutional Comparisons* 2 (1), 30-34, Spring 2004 (with Céline Nauges and Thomas Sterner).

Book Chapters

Greening Household Behaviour: the Role of Public Policy, OECD Publishing, 2011. Co-author with O. Beaumais, A. Briand and C. Nauges of one of the technical reports that served as main input.

"The Danish Agreements on Industrial Energy Efficiency", In R. D. Morgenstern and W. A. Pizer, *Reality Check: The Nature and Performance of Voluntary Environmental Programs in the United States, Europe and Japan*, RFF Press, 2007, pp. 86-104 (with Signe Krarup).

"Information Provision, Consumer Perceptions and Values – the Case of Organic Foods", In *Environment, Information and Consumer Behaviour*, edited by C. Russell and S. Krarup, *New Horizons in Environmental Economics series*, Edward Elgar, 2005, pp. 161-178 (with Mette Wier and Laura M. Andersen).

"Environmental Taxes: A Comparison of French and Swedish Experience from Taxes on Industrial Air Pollution". *CESifo DICE Report - Journal for Institutional Comparisons*, 2 (1), 30-34, Spring 2004 (with Céline Nauges and Thomas Sterner).

"NO_x Emissions in France and Sweden: Advanced Fee Schemes versus Regulation", In *Choosing Environmental Policy: Comparing Instruments and Outcomes in the United States and Europe*, edited by W. Harrington, R.D. Morgenstern and T. Sterner, RFF Press, 2004, pp. 117-132 (with Thomas Sterner).

"Consumer Preferences for Organic Foods", In *Organic Agriculture: Sustainability, Markets and Policies*, OECD and CABI Publishing, 2003, pp. 257-271 (with Mette Wier, Lars G. Hansen and Laura M. Andersen).

"Sustainability, Technology and Incentives", In *Flexible Incentives for the Adoption of Environmental Technologies in Agriculture*, edited by F. Casey, A. Schmitz, S. Swinton, and D. Zilberman, Kluwer Academic Publishers, 1999, pp. 97-118 (with Madhu Khanna and David Zilberman).

Working Papers

"Pollution Control Instruments in the Presence of an Informal Sector", Documents de Travail du Centre d'Economie de la Sorbonne 2010.103 (with Sudeshna Chattopadhyay and Sarmila Banerjee).

"What are Households Willing to Pay for Better Tap Water Quality? A Cross-Country Valuation Study", Documents de Travail du Centre d'Economie de la Sorbonne 2010.51 (with Olivier Beaumais, Anne Briand and Céline Nauges).

"Household Adoption of Water-Efficient Equipment: The Role of Socio-economic Factors, Environmental Attitudes and Policy", Documents de Travail du Centre d'Economie de la Sorbonne 2010.44. Earlier version: LERNA Working Paper 09.16.292, 2009 (with Céline Nauges).

"Investment Policy for New Environmental Monitoring Technologies to Manage Stock Externalities", Documents de Travail du Centre d'Economie de la Sorbonne 2009.10 (with Angels Xabadia and David Zilberman).

"The Factors Behind CO2 Emission Reduction in Transition Economies", FEEM Working Paper No. 58.2008 (with Natalia Zugravu and Gérard Duchêne).

"Using Ex Post Data to Estimate the Hurdle Rate of Abatement Investments – An Application to Sulfur Emissions from the Swedish Pulp and Paper Industry and Energy Sector", Cahier du Centre d'Economie de la Sorbonne 2008.17 (with Åsa Löfgren and Céline Nauges).

"Using Ex Post Data to Estimate the Hurdle Rate of Abatement Investments – An Application to the Swedish Pulp and Paper Industry and Energy Sector", Göteborg University, School of Business, Economics and Law, Working Paper in Economics 249, 2007 (with Åsa Löfgren and Céline Nauges).

"La dépollution dans les pays en transition est-elle volontaire ? Le cas des émissions industrielles de carbone", Cahiers de la Maison des Sciences Economiques 2007.05, 2007 (with Natalia Zugravu and Gérard Duchêne).

"Collective Penalties and Inducement of Self-Reporting", Cahiers de la Maison des Sciences Economiques 2006.48, 2006 (with David Zilberman).

"Empirical Evaluation of a Revenue-Rebated Tax", Cahier INRA-LEERNA 03.01.107, 2003 (with Céline Nauges).

"The French Tax on Air Pollution: Some Preliminary Results on its Effectiveness", FEEM working paper 44.03, 2003 (with Céline Nauges).

"The Combined Use of Carbon Taxation and Voluntary Agreements for Energy Policy", FEEM working paper 109.00, 2000.

"Collective Voluntary Agreements: An Analysis of the Problems of Free-Riding and Collusion", FEEM working paper 108.00, 2000 (with François Salanié).

"Contracts for Clean Development - The Role of Technology Transfers", FEEM working paper 70.00, 2000.

"Continuous Monitoring and Polluter Incentives: An Empirical Test", Cahier de Recherche 98-07D, ERNA-INRA, 1998 (with Alban Thomas).

"Nonpoint Source Pollution Regulation when Polluters Might Cooperate", Working Paper 82.97, Fondazione ENI Enrico Mattei, Milan, 1997 (with François Salanié).

"Sulphur Emissions Exchange Rates", In Proceedings from the International Conference on Economic Instruments for Air Pollution Control, IIASA, Laxenburg Austria 18-20 October 1993 (with Peter D. Bailey and Clair A. Gough).

"Packaging Waste in Sweden: Economics and Policy", CSERGE Working Paper 92-05, University College London, 1992.

Research Reports

"Etude relative à la comparaison d'instruments économiques en vue de réduire les émissions de NOx et de SO2", Final Report prepared for the French Ministry of Environment, December 2010, 157 p. (with Alexandre Baux, Jérémy Gasc and Céline Nauges).

"Analyse économétrique des déterminants des émissions atmosphériques d'oxydes d'azote et des facteurs d'investissement en dépollution dans le secteur de la cimenterie en France", Final Report prepared for INERIS, February 2010, 48 p. (with Céline Nauges and Alban Thomas).

"Data Analysis on Residential Water Use: Water Conservation and Demand for Water Quality", Final Report prepared for the OECD, December 2008, 41 p. (with Olivier Beaumais, Anne Briand and Céline Nauges).

"Régulation de la pollution atmosphérique par les sources fixes : Analyse théorique des instruments économiques et expériences empiriques comparées", Final Report, Aide à Projet Nouveau soumis au département SHS, January 2004, 10 p.

"Pollution diffuse et coopération", le Commissariat Général du Plan, Commission Développement Durable, 2000, 8 p. (with François Salanié).

"Economic Incentives for Improving Water Quality in Nevada's Truckee River Basin", Report for the U.S. Environmental Protection Agency, January 1997, 139 p. (with David Sunding and Sabrina Isé).

PROFESSIONAL SERVICE

Offices Held in Professional Associations:

- Auditor, European Association of Environmental and Resource Economists, financial years 2009 and 2010.
- Elected Council Member, European Association of Environmental and Resource Economists, 2004-2007
- Appointed Member of the International Committee of the American Agricultural Economics Association, 2002-2004

Program Committees:

- 19th Annual Conference of the European Association of Environmental and Resource Economists, 2012
- 18th Annual Conference of the European Association of Environmental and Resource Economists, 2011
- Environment and Natural Resource Management in Developing Countries, international conference organized by CERDI, University of Auvergne, November 2010
- Fourth World Congress of Environmental and Resource Economists, 2010
- Seventeenth Annual Conference of the European Association of Environmental and Resource Economists, 2009
- Sixteenth Annual Conference of the European Association of Environmental and Resource Economists, 2008
- Third World Congress of Environmental and Resource Economists, 2006
- Fourteenth Annual Conference of the European Association of Environmental and Resource Economists, 2005
- Twelfth Annual Conference of the European Association of Environmental and Resource Economists, 2003
- Second World Congress of Environmental and Resource Economists (AERE and EAERE), 2002

Editorial Activity:

Environment and Development Economics Member of the Editorial Board 2008-2010, 2011-2013

Refereeing:

Agricultural Economics, American Journal of Agricultural Economics, The Berkeley Electronic Press Journals in Economic Analysis and Policy, Les Cahiers d'Economie et Sociologie Rurales, Ecological Economics, Economie et Prévision, Economie Publique, Environment and Development Economics, Environmental and Resource Economics, European Review of Agricultural Economics, International Economic Review, International Tax and Public Finance, Journal of Agricultural and Food Industrial Organization, Journal of Environment and Development, Journal of Environmental Economics and Management, Journal of Environmental Management, Journal of Public Economics, Oxford Economic Papers, Recherches Economiques de Louvain, Resource and Energy Economics.

Workshop Organization:

"Environmentally Induced Migration" (selected on organizers' open call), 18th Annual Conference of the European Association of Environmental and Resource Economists, 1 July 2011.

"The Role of Multinational Firms in Agriculture", American Agricultural Economics Association, 27-30 July 2003.

"Food Safety and the Environment: Managing Quality in an International Context" (with Sandra Hoffman, RFF, selected on organizers' open call), Second World Congress of Environmental and Resource Economists, 24 June 2002.

"Joint Benefits from the Clean Development Mechanism: Development and Economic Efficiency", side event with ENDA-CIRED-RFF, 6th Conference of the Parties to the Kyoto Protocol, 19 November 2000.

Seminar Organization:

- Organiser of the environmental economics PhD workshop at Université Paris 1 Panthéon-Sorbonne, 2010/11, 2011/12.
- Co-Organiser of the Environmental and Resource Economics Seminar at Université Paris 1 Panthéon-Sorbonne, 2005/06, 2006/07, 2008/09.
- Organiser CIRED seminars, 1999-2002.

GRANTS AND AWARDS

"Comparaison d'instruments économiques en vue de réduire les émissions de NOx et de SO2 – Comparison of Economic Instruments to Reduce NOx and SO2 Emissions", French Ministry of the Environment (with Sogreah, Adamas and LERNA), 2010.

"Migration and Environment", ANR (The French National Research Agency), with Denis Claude, Fabio Mariani, Mathilde Maurel, Eric Strobl and Marie-Anne Valfort, 2009-2012.

"Analyse des déterminants des émissions atmosphériques d'oxydes d'azote et des facteurs d'investissement en dépollution dans le secteur de la cimenterie en France – An Analysis of the Determinants of Atmospheric NOx Emissions and Abatement Investments in the French Cement Industry", INERIS (with LERNA, Principal Investigator: Alban Thomas), 2009.

"Household Behaviour and Environmental Policy", OECD (with LERNA and University of Rouen), 2008-2009.

"Régulation de la pollution atmosphérique : Analyse théorique des instruments économiques et expériences empiriques comparées", Aide à Projet Nouveau, CNRS, France (PI, with CIRED, INERIS, LERNA and Gothenburg University), 2001-2003.

"Consumer Demand for Organic Foods: Domestic and Foreign Market Perspectives", Danish Agricultural Research Center for Organic Farming -DARCOF (with AKF and the University of Copenhagen, Principal Investigator: Mette Wier), 2000-2004.

Tore Browaldhs Foundation for Economic Research, Sweden, 1997-98.

Bourse prédoctoral, Institut National de la Recherche Agronomique (INRA), France, 1996-97.

C C Söderström Research Grant, Royal Swedish Academy of Sciences, 1995-96.

Fellowship, American Scandinavian Foundation, 1995-96.

Fulbright Fellowship, 1994-95, renewed 1995-96.

UNIVERSITY TEACHING

Graduate:

Agricultural Economics (Université Paris 1 Panthéon-Sorbonne, 2006)

Environmental Economics (Ph.D. level Université Paris 1 Panthéon-Sorbonne, 2009- present; Department of Economics, University of Gothenburg, 2000, 2002, 2008; Master's level Institute of Economics, University of Copenhagen, 1998-99)

Environmental Policy in Developing and Transition Countries (Université d'Auvergne Clermont-Ferrand, 2007, 2009)

Undergraduate:

Analyse Economique (Travaux dirigés, Ecole Centrale Paris, 2005/06, 2006/07, 2008/09, 2010/11, 2011/12)

Economics of Resources and Environment (ARE, UC Berkeley, 2005)

SUPERVISION AND GRADING COMMITTEES

Ph.D. Committees:

« Development, Environment and Urbanisation », by Ingrid Dallmann, Université Paris 1 Panthéon-Sorbonne (current).

« Carbon Leakage, Border Adjustment and Alternative Policy Options: a Quantitative Assessment », by Romain Perez, Université Paris 1 Panthéon-Sorbonne (current).

Member Grading Committee, Ph.D. Dissertation, « Analyse et modélisation méso-économiques des politiques environnementales et énergétiques en France » by Yasser Yeddar-Tamsamani, Paris 1 Panthéon-Sorbonne, defended on 17 December 2010 (advisor: Lionel Ragot).

Member Grading Committee, Ph.D. Dissertation « Croissance; Commerce, IDE et Leur Impact sur l'Environnement » by Natalia Zugravu, Paris 1 Panthéon-Sorbonne defended on 23 November 2009 (advisor: Gérard Duchêne).

External Examiner Ph.D. Dissertation « Voluntary Agreements in Energy Regulation », by Signe Krarup, Institute of Economics, University of Copenhagen, defended on 9 September 2002.

Opponent Higher Seminar 31 May 2002, « Essays on Environmental Policy-Making in Developing Countries: Applications to Costa Rica » by Francisco Alpizar, Department of Economics, University of Gothenburg.

Master's Theses:

Ingrid Dallmann, Université Paris 1 (with Pierre Kopp), defended June 2011.

Esther Regnier, Paris School of Economics (with Katheline Schubert), defended September 2010.

Remi Piet, Université Paris 1, defended September 2009.

Nacer Siamer, Université Paris 1, defended October 2007.

Rachel Dujardin, Université Paris 1, defended October 2006.

Lars Christian Møller, University of Copenhagen, 1999.

SELECTED CONFERENCE ABSTRACTS AND PROCEEDINGS

"Does Rainfall Variability Induce Migration? Evidence from Rural Household Panel Data from Ethiopia", European Association of Environmental and Resource Economists (EAERE) 18th Annual Conference, Rome, July 2011.

"Household Adoption of Water-Efficient Equipment: The Role of Socio-Economic Factors, Environmental Attitudes and Policy", European Association of Environmental and Resource Economists (EAERE) 17th Annual Conference, Amsterdam, June 2009.

"La future fiscalité européenne et nationale sur l'énergie", Entretiens du Conseil d'Etat « La fiscalité environnementale », Paris, June 2009.

"CO₂ Emission Reductions in Transition Economies: A By-Product of Transition or a Result of More Stringent Environmental Policy?", European Association of Environmental and Resource Economists (EAERE) 15th Annual Conference, Thessaloniki, June 2007.

"Investment Policy for New Environmental Monitoring Technologies", Third World Congress of Environmental and Resource Economists, Kyoto, July 2006.

"Energy Price Uncertainty and Firm Abatement Investment Choice", European Association of Environmental and Resource Economists (EAERE) 13th Annual Conference, Budapest, Hungary, June 2004.

"Collective Penalties and Inducement of Self-Reporting", European Association of Environmental and Resource Economists (EAERE) 13th Annual Conference, Budapest, Hungary, June 2004.

"Consumer Demand for Organic Foods - Attitudes, Values and Purchasing Behaviour" (with M. Wier and L. Mørch Andersen), European Association of Environmental and Resource Economists (EAERE) 13th Annual Conference, Budapest, Hungary, June 2004.

"Nitrogen Oxides Emissions, The Swedish and French Experiences of Policymaking", Resources for the Future Workshop on The Effectiveness and Efficiency of Environmental Regulation, Washington D.C., December 2002.

"Ex Post Evidence on Environmental Taxes: An Assessment of the French Tax on Air Pollution", Congrès de l'Association Française de Science Economique (AFSE), Paris, September 2002; Second World Congress of Environmental and Resource Economists, Monterey, USA, June 2002.

"Willingness to Pay for Organic Foods: A Comparison between Survey Data and Panel Data from Denmark", Second World Congress of Environmental and Resource Economists, Monterey, USA, June 2002.

"Bargaining Institutions under the Clean Development Mechanism", European Association of Environmental and Resource Economists (EAERE) 11th Annual Conference, Southampton, UK, June 2001.

"Contracts for Clean Development - The Role of Technology Transfers", Congrès de l'Association Française de Science Economique (AFSE), Paris, September 2000; American Agricultural Economics Association (AAEA) Annual Meeting, Tampa, USA, July 2000.

"Are Collective Environmental Agreements Ever Effective?", Association of Environmental and Resource Economists (AERE) Workshop on Effectiveness of Resource and Environmental Regulation, San Diego, June 2000.

"Collective Voluntary Agreements: An Analysis of the Problems of Free-Riding and Collusion", European Association of Environmental and Resource Economists (EAERE) 10th Annual Conference, Rethymno, Crete, June 2000.

"Paying the Agricultural Sector for Environmental Services", the European Association of Environmental and Resource Economists (EAERE) 9th Annual Conference, Oslo June 1999.

"Continuous Monitoring and Polluter Incentives", European Economic Association 13th Annual Congress (EEA), Berlin September 1998; World Congress of Environmental and Resource Economists, Venice June 1998.

"Nonpoint Source Pollution Regulation when Polluters Might Cooperate", Econometric Society 52nd European Meeting (ESEM), Toulouse August 1997; European Association of Environmental and Resource Economists (EAERE) 8th Annual Conference, Tilburg June 1997.

"An Information-Revealing Incentive Mechanism for Nonpoint Source Pollution", European Association of Environmental and Resource Economists (EAERE) 8th Annual Conference, Tilburg June 1997.

SEMINARS

CARE Université de Rouen; Chalmers University of Technology, Sweden; EUREQua Université Paris 1; GATE, Lyon; Institut d'Economie Industrielle (IDEI), Toulouse; LERNA, INRA-Université de Toulouse I; Agricultural and Resource Economics Department, University of California, Berkeley; Department of Economics, University of Gothenburg, Sweden; Louvain-la-Neuve, Belgium; Ministry of Foreign Affairs, Sweden; OECD; Department of Economics "Marco Fanno", University of Padova; Swedish Agricultural University, Uppsala; University of Southern Denmark, Odense; University Ca'Foscari Venice.