

## *Curriculum vitae*

### **Stefan Ambec**

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#### **FIELDS OF SPECIALIZATION**

Environmental and Natural Resource Economics, Microeconomics, Industrial Organization.

#### **CURRENT POSITION**

2007:- INRA Researcher Professor (Directeur de Recherche), Toulouse School of Economics (LERNA-INRA-IDEI)

#### **EDUCATION:**

Ph.D. in Economics, University of Montreal, Canada (1999)

M. Sc in Econometrics, University of Toulouse, France (1992)

B.Sc. in Economics, University of Toulouse, France (1991)

#### **PREVIOUS POSITIONS**

2001-2007: INRA Researcher, University of Grenoble, France (2001-2007)

2000-2001: TMR Fellow, CSEF (Centre for the Studies of Economics and Finance), University of Salerno, Italy

1999-2000: Postdoctoral fellow, GREEN (Research Group in the Economics of Environment, Energy and Natural Resources), Laval University Québec, Canada

1996-1997: Economist, (CSN, French National Service), IRD (French Scientific Research Institute for Development) in Dakar, Senegal.

#### **VISITING PROFESSOR POSITIONS**

University of Gothenburg (since 2010)

University of Lausanne (Fall 2008, Fall 2007),

University of Montreal (Winter 2005).

CESifo network member

External member of CREATE, Laval University, Québec

## EDITORIAL ACTIVITIES

Co-Editor, *Environmental and Resource Economics* (2013-2016)

Member of the Editorial Board, *Journal of Environmental Economics and Management* (2014-2016)

Member of the Editorial Council, *Journal of the Association of Environmental Economists* (2014-2016)

## TEACHING EXPERIENCE

*Environmental Economics*, graduate level, Toulouse School of Economics, 2009, 2010, 2011, 2012.

*Environmental Policy Instruments*, PhD level, University of Gothenburg, 2010, 2012, 2014.

*Green Business Strategies*, graduate level, Toulouse School of Economics, 2011, 2012.

*Advanced in Environmental and Resource Economics*, Ph.D. level, Toulouse School of Economics, 2011

*Water Economics*, graduate level, Toulouse School of Economics, 2010, 2011.

*Microeconomics*, advanced undergraduate, University of Lausanne (HEC), 2008.

*Contract Theory*, graduate, University of Lausanne (HEC), 2008.

*Financial Contracting*, graduate, University of Lausanne (HEC), 2007.

*Game Theory*, advanced undergraduate, University of Lausanne (HEC), 2007.

*Economics of Organizational Design*, graduate, EM Lyon (Lyon Business School), 2006, 2007.

*Applied Microeconomics*, undergraduate, EM Lyon (Lyon Business School), 2006.

*Economics for the Supply Chain*, graduate in engineering, Grenoble 2005, 2006, 2007.

*Advanced industrial Organisation*, advanced undergraduate, University of Montreal, 2005.

*Microeconomics*, undergraduate in engineering, Grenoble, 2003, 2004

*Economics of Innovation*, graduate, University of Grenoble, 2001, 2002, 2003.

*Applied Game Theory*, graduate, Université de Grenoble, 2002, 2003, 2004.

*International Economics*, undergraduate, business school, Laval University, Quebec, 1999.

*Environnemental Economics*, undergraduate, University of Montreal, 1998.

## PUBLICATIONS

Regulation via the polluter-pays principle (with L. Ehlers) forthcoming **Economic Journal**

Regulatory instruments to protect the commons: An experimental investigation (with A. Garapin, L. Muller and C. Sebi ) **Environmental and Resource Economics**, 2014, 58:219-244.

Water Sharing Agreements Sustainable to Reduced Flows (with A. Dinar and D. McKinney) **Journal of Environmental Economics and Management**, 2013, 66: 639–655.

Prices vs Quantities with Multiple Pollutants (with Jessica Coria) **Journal of Environmental Economics and Management**, 2013, 66(1), 123-140.

- The Porter Hypothesis at 20: Can Environmental Regulation Enhance Innovation and Competitiveness? (with M.A. Cohen, S. Elgie and P. Lanoie) **Review of Environmental Economics and Policy**, 2013 7(1), 2-22
- Electricity Production with Intermittent Sources of Energy (with Claude Crampes) **Resource and Energy Economics** 2012 34(3), 319-336
- Regulation of a Spatial Externality: Refuges versus Tax for Managing Pest Resistance (with M. Desquilbet) **Environmental and Resource Economics**, 2012, 51: 79-104.
- The distributional impact of common-pool resource regulations (with Carine Sebi) **Indian Growth and Development Review**, 2011, 4(2), 123-141.
- Environment policy, innovation and performance: New insights on the Porter hypothesis (with P. Lanoie, J. Laurent-Lucchetti and N. Johnstone) **Journal of Economics and Management Strategy**, 2011, 20(3): 803–841.
- Fair intergenerational sharing of a natural resource (with H. d’Albis), **Mathematical Social Science** 2010, 59(2): 170-183.
- Does it pay to be green? A Systematic Overview (with P. Lanoie), **Academy of Management Perspectives** 2008, 23: 45-62.
- Sharing a river among satiable agents (with L. Ehlers), **Games and Economic Behavior** 2008, 64:35-50.
- Voting over informal risk-sharing rules, **Journal of African Economies** 2008 17: 635-659.
- Sharing a common resource with concave benefits, **Social Choice and Welfare** 2008, 31: 1-13.
- Incentive to reduce crop trait durability (with S. Lemarié and C. Langinier), **American Journal of Agricultural Economics** 2008, 90 : 379-391.
- Equity and efficiency in the river sharing problem, (with L. Ehlers) Chapter 6 in *Game Theory and Policy Making in Natural Resources and the Environment* Edited by A. Dinar, J. Albiac and J. Sanchez-Soriano, Routledge Explorations in Environmental Economics 2008.
- Sequential communication with ex post participation constraints, **Journal of Economic Theory** 2007, 137: 733-744.
- Surviv des fondements théoriques de l'hypothèse de Porter, (with P. Barla), **L'Actualité Economique**, 2007, 83: 1-15.
- Roscas as financial agreements to cope with social pressure (with N. Treich), **Journal of Development Economics** 2007, 82: 120-137.
- Can environmental regulations be good for business? An assessment of the Porter Hypothesis (with P. Barla), **Energy Studies Review** 2006, 14: 42-62.
- On the redistributive impact of privatizing a resource under imperfect enforcement (with L. Hotte), **Environment and Development Economics**, 2006, 11: 1-20.
- Fees or refuges: which is better for the sustainable management of insects resistance to transgenic Bt corn? (with C. Vacher, D. Bourguet, M. Desquilbet, S. Lemarié and M.H. Hochberg) **Biology Letters**, 2006, 2: 198-202.

Decentralizing hydropower production (with J. Doucet) **Canadian Journal of Economics**, 2003, 36: 587-607.

A theoretical foundation to the Porter hypothesis (with P. Barla), **Economic Letters**, 2002, 75: 355-360.

Sharing a river (with Y. Sprumont), **Journal of Economic Theory**, 2002, 107: 453-462.

#### **WORKING PAPERS**

Cooperative decision-making for the provision of a locally undesirable facility, (with Y. Kervinio)

Spatial efficiency of genetically modified and organic crops (with C. Langinier and P. Marcoul)

An experiment on resource and welfare division through a modified trust game (with G. Attanasi and A. Reynaud)

#### **NEWSPAPERS ARTICLE AND SURVEYS IN FRENCH**

Pourquoi il faut défendre le nouveau projet d'écotaxe, *La Tribune*, 20 Mai 2014.

La contrainte réglementaire pousse à innover, *Le Monde*, 2 Octobre 2012

Le coût de la réglementation environnementale, *L'Expansion*, Octobre 2011

Innovation environnementale et profitabilité : les gains compensent-ils les coûts associés ? Septembre 2011, *Cahiers de l'ILB*, Institut Louis Bachelier, Paris.

Pour une taxe carbone universelle à taux unique, *La Tribune*, 12 février 2010

Un prix élevé du carbone est de l'intérêt des entreprises, (avec F. Ricci) *La Tribune*, 1<sup>ier</sup> décembre, 2009.

Performance économique et environnementale de l'entreprise (avec P. Lanoie), *Economie & Prévision*, 2009, n°190-191:71-94.

Changement climatique : quels enjeux pour les entreprises ? (avec F Ricci) *Collection Prospective et Entreprise*, septembre 2009, Editions CCI de Paris.

L'innovation au service de l'environnement et de la performance économique (avec P. Lanoie) *INRA Sciences Sociales*, février 2008, 4 pages.

#### **RESEARCH GRANTS**

French Research Agency,  
*Political Economy of the Environment* 2013-2015 (leader, 50 000 euros).

French Research Agency, Young researchers program  
*Fair environmental policies* 2009-2011 (leader, 65 000 euros).

French Research Agency, GMO program

*Contribution of modelling in a multi-disciplinary approach to manage coexistence between GM and non-GM maize*, multidisciplinary project with biologists, agronomists, physicist and statisticians, 2006-2009, 18 244 euros out of 308 000 euros (leader of the economics workpackage).

French Research Agency, Agriculture and sustainable development program  
*Sustainable exploitation of pest resistance*, multidisciplinary project with biologists and agronomists, physicist and statisticians, 2005-2008, 21 900 euros out of 598 000 euros.

French Ministry of Science,  
*The collective choice of a natural resource exploitation regimes*, (2005-2008), 17 000 euros (leader).

## **STUDENTS**

### **Supervision of Ph D students:**

Yann Kervinio (Toulouse School of Economics)

Carine Sebi (University of Grenoble 2008, now energy analyst at ENERDATA)

### **Member of thesis committees:**

Nigel Moes (Free University of Amsterdam)

Marianne Lefèvre (University of Montpellier, 2011, now at JRC Seville)

Jeremy Laurent-Luchetti (HEC Montreal, 2009, now at the University of Geneva)

## **ADMINISTRATIVE ACTIVITIES**

2009-2012 Director of the Master in Environmental and Natural Resource Economics in Toulouse

2010:- In charge of the environmental and natural resource seminar in Toulouse

2009:- Member of the TSE recruiting committee

Organization of conferences:

- *Equity in Environment and Resource Economics* in Toulouse June 2009
- *Environment, Innovation and Performance* in Grenoble, June 2007

Member of the scientific committee of various conferences (e.g. World Congress of Environmental and Resource Economists, 2014, 2010 and the Conference 2011 of the Canadian Group in Environmental and Resource Economics in Quebec City)

Research project evaluation for the European Commission, FNSRS (Switzerland), NSF (USA), SSHRC (Canada). ANR and AERES (France) and active refereeing activity for economic journals.

## **PERSONAL INFORMATIONS**

Citizenship: French.

Status: Married, four children.

Date of birth: August 23th, 1970.

Languages: Fluent in English and French, notions of Italian and Swedish.