

Vincent MARTINET (Ph.D.) - Curriculum Vitæ

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Position: Junior Scientist - INRA (French National Institute for Agricultural Research) - Public Economics Department

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Personal: Date of Birth: December 22, 1979.
French Citizenship
Single
Spoken languages: French, English, Spanish.

Fields of Specialization:

Economics of Natural Resources and the Environment
Transdisciplinary approaches to Sustainable Development
Mathematical Modeling

Education:

2002 Master degree in Agronomics
French National Institute of Agronomics Paris-Grignon (AgroParisTech)

2002 Master degree in Environmental and Natural Resources Economics
ParisTech (Paris Institute of Technology)

2005 Ph.D. in Economics, University of Paris 10 – Nanterre
Thesis title: “Interpretation of the sustainable development concept in economic models with natural resources”; Supervisor: Pr. Gilles Rotillon.

Academic Positions (permanent)

- 2002-2005 PhD student. EconomiX - University of Paris 10
- 2005- Associate researcher - EconomiX, University of Paris 10
- 2005-2007 Research fellow at the Marine Economics Department of IFREMER (French Research Institute for Exploitation of the Sea), Brest, France
- 2007- Junior Scientist - INRA

Academic Positions (visiting)

- 2005 / 2009 Visiting Fellow – CIREQ (McGill) – Montreal – Canada

Honors and personal grants

- 2002-2005 CNRS doctoral fellowship (BDI funding grants)
- 2006 Thesis award “Louis Forest” (best 2005 PhD. thesis in Economics) from the Chancellerie des Universités de Paris.
- 2008 OECD Prize for Best Policy Paper at IIFET 2008. Honorable mention.
- 2009 INRA Economics Department Publication Grant, Euro 3,500.

Articles

- A1. ‘Sustainability of an economy with an exhaustible resource: a viable control approach’ (with L. Doyen), 2007, *Resource and Energy Economics* **29(1)**, p.17-39.
- A2. ‘Invariance in Growth Theory and Sustainable Development’ (with G. Rotillon), 2007, *Journal of Economic Dynamics and Control* **31(8)**, p.2827-2846.
- A3. ‘A step beside the maximin path: Can we sustain the economy by following Hartwick’s investment rule?’, 2007, *Ecological Economics* **64**, p.103-108.
- A4. ‘Defining viable recovery paths toward sustainable fisheries’ (with O. Thébaud and L. Doyen), 2007, *Ecological Economics* **64**, p.411-422.
- A5. ‘Lois de conservation économiques et développement durable’ (with G. Rotillon and F. Costes), 2008, *Annales d’Economie et de Statistique* **90**.

- A6. ‘Multi-criteria dynamic decision under uncertainty: a stochastic viability analysis and an application to sustainable fishery management’ (with M. de Lara), 2009, *Mathematical Biosciences* **217**, p.118-124.
- A7. ‘Fishery externalities and biodiversity: Trade-offs between the viability of shrimp trawling and the conservation of Frigatebirds in French Guiana’ (with F. Blanchard), *Ecological Economics*, in press.

Book Chapters

- B1. ‘The viability framework: A new way to address the sustainability issue’, 2008, in *Progress in Sustainable Development Research*, R. Lopez (Ed.), Chapter 5, pp.143-167, Nova Science Publishers.
- B2. ‘Invariance in Economic Dynamics and the Sustainable Development Issue’ (with G. Rotillon), to appear in *Economic Dynamics: Theory, Games and Empirical Studies*, Nova Science Publishers.

Working Papers

- WP1. ‘Développement Durable et théorie de la croissance’ (with F. Costes and G. Rotillon), 2003, *working paper* THEMA 2003-27.
- WP2. ‘Sustainable management of an exhaustible resource: a viable control model’ (with L. Doyen), 2003, *working paper* THEMA 2003-36
- WP3. ‘The Hartwick rule and the characterization of constant consumption paths’, 2005, *working paper* THEMA 2005-06.
- WP4. ‘Sustainability goals in production-consumption models with an exhaustible resource’ (with L. Doyen), 2005, *working paper* THEMA 2005-14.
- WP5. ‘Recovering viable fisheries’ (with O. Thébaud and L. Doyen), 2006, *working paper* EconomiX 2006-05.
- WP6. ‘Defining viable recovery paths toward sustainable fisheries’ (with O. Thébaud and L. Doyen), 2006, *working paper* GdR AMURE D-19-2006.
- WP7. ‘Maximizing minimal rights for sustainability: a viability approach’, 2007, *working paper* EconomiX 2007-20.
- WP8. ‘Defining sustainability objectives’, 2009, *working paper* EconomiX 2009-07.
- WP9. ‘Agricultural Land-Use and Biological Conservation’ (with F. Barraud), 2009, *working paper* EconomiX 2009-18.

Main International Conferences

AERE	World Congress of Environmental and Resource Economists. 2006 (Kyoto, Japan).
AFSE	French Economic Association, Annual Thematic Meeting “Frontiers in Environmental Economics and natural Resources Management”. 2008 (Toulouse, France).
APPOPT	Approximation and Optimization in the Caribbean, International Conference. 2008 (San Andres, Colombia).
BIOECON	BIOdiversity and Economics for CONservation, annual conference. 2006 (Cambridge, England), 2009 (Venice, Italy).
CIREQ	Natural Resources and Environmental Economics Workshop (Montreal, Canada). 2005, 2008, 2009.
CREE	Canadian Resource and Environmental Economics Study Group. 2008 (Toronto), 2010 (Edmonton).
DIVERSITAS	DIVERSITAS Open Science Conference. 2009 (Cape Town, South Africa).
EAERE	Congress of the European Association of Environmental and Resource Economists. 2008 (Gothenburg, Sweden), 2009 (Amsterdam, Netherlands).
IIFET	World Meeting of the International Institute for Fisheries Economics and Trade. 2006 (Portsmouth, England), 2008 (Nha Trang, Vietnam).
META	Modelling the Amazonian Tropical Ecosystems, annual conference. 2007 (Kourou, French Guiana).
MODSIM	Modelling and Simulation World Congress Conference. 2007 (Christchurch, New-Zealand).
PSI	Pacific Science Inter-congress. 2009 (Tahiti, French Polynesia).
SURED	‘Sustainable Resource Use and Economic Dynamics’ (Ascona, Switzerland). 2004, 2008.
SSES	Annual Congress of the Swiss Society of Economics and Statistics (Zurich, Switzerland). 2005.

Teaching Experience

Environmental and Resource Economics (undergraduate and graduate audiences)
Sustainable Development Economics
Advanced modelling in economics and ecology
Economic aspects of populations and ecosystems management

Other Professional Activities

Programme Committee member of the EAERE 2009 Conference (Amsterdam)

Reviewer for *Journal of Economic Dynamics and Control*, *Ecological Economics*, *Environmental and Resource Economics*, *International Journal of Global Environmental Issues*, *Nonlinear Analysis: Real World Applications*, *Environmental Modeling and Assessment*, *International Economics* and *Review of Agricultural and Environmental Studies*.

Grants and Research Programs

- 2002-2005 ACI Quantitative Ecology MOOREA (Models and Optimization Tools for Applied Ecology), granted by the French Ministry of Research.
- 2005-2008 ACI Economic Modelling of Sustainable Development (Economic Interpretation of Sustainable Development, Invariance and Environmental Preferences), granted by the French Ministry of Research.
- 2005-2008 ANR Biodiversity CHALOUPE (Global Change, Dynamics of Exploited Marine Biodiversity, and Fisheries Viability), granted by the French National Agency for scientific Research.
- 2006-2009 MIFIMA (Mathematics and Informatics for Fisheries Management) - International research program (France, Chile, Peru).
- 2007-2011 ANR Biodiversity BiodivAgriM (Biodiversity conservation in Agroecosystem: landscape modelling), granted by the French National Agency for scientific Research.
- 2009-2012 ANR Systerra POPSY (Field Crops Production Systems, Environmental Public Policies), granted by the French National Agency for scientific Research.
- 2008-2012 FP7 Programme AgFoodTrade (New Issues in Agricultural Food and Bioenergy Trade), a project supported by the EU Commission, Grant 212036, 2008.