

Giovanni Marin

IMT Advanced Studies Lucca

Personal information

Place and date of birth: Ferrara (Italy), 13 February 1984

Permanent address: Via Martin Luther King, 6, 45030 S. Maria Maddalena (RO), Italy

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Research interests

Environmental economics, Environmental accounting, Environmentally extended input-output analysis, Eco-innovation, Environmental patents, Innovation studies

Education

Visiting Research Scholar at the Department of Economics, University of California, Berkeley, invited by Professor Bronwyn Hall, from February 2011 to July 2011

PhD student in Economics, Markets and Institutions IMT (Institutions, Markets, Technologies) Advanced Studies Lucca (Italy), from March 2009 (ongoing), courses completed (June 2010). Supervisor: Francesca Lotti (Banca d'Italia and NBER); co-supervisor: Massimiliano Mazzanti (University of Ferrara, Italy, and CERIS-CNR, Italy)

EXIOPOL Summer School on Environmental accounting: externality valuation and Input-Output tools for policy analysis, Venezia (Italy), July 2010

European Summer School in Industrial Dynamics (ESSID). IEB, Barcelona (Spain), Sept. 2009

MSc in Applied Economics and Economic Policies (Laurea Magistrale). University of Ferrara, Faculty of Economics, from October 2006 to December 2008, mark: 110/110 *cum laude*, supervisor: Massimiliano Mazzanti

Bachelor in Economics of Public Administrations and International Institutions (Laurea Triennale). University of Ferrara, Faculty of Economics, from October 2003 to October 2006, mark: 110/110 *cum laude*, supervisors: Lucio Poma and Massimiliano Mazzanti

Erasmus programme Univeridad Castilla la Mancha (Toledo, Spain), from September 2004 to February 2005

High school Accountancy, mark: 100/100, Istituto Tecnico Commerciale Statale "V. Monti", Ferrara (Italy), June 2003

Professional experience

Member of the CERIS-CNR staff for the European Consortium **European Topic Centre on Sustainable Production and Consumption** (<http://scp.eionet.europa.eu>) since January 2011

Work experience

September 2011 - January 2012 Occasional collaboration with CERIS-CNR (Milano) for the project ‘Statistical, econometric and input-output analysis about emissions embodied in production, consumption and trade flows aimed at integrating these results with environmental accounts such as NAMEA’ in collaboration with the International Consortium ETC-SCP (European Topic Center on Sustainable Consumption and Production, Copenhagen)

February 2011 - March 2011 Research collaborator aimed at the creation of a ‘data locator’, supervisor: Anna Montini (University of Bologna, CERIS-CNR Milano)

June 2010 Research collaborator on “Elaboration of data on municipal, provincial, regional and national elections for Italian capitals of the province for the years 1993-2009”, supervisor: Francesco Sobbrino (IMT Advanced Studies Lucca)

April 2009 - June 2009 Review of studies regarding the economic valuation of marine biodiversity and ecosystem functions. Elaboration of a report on the socio-economic situation of the Northern-Adriatic Sea region in which the value can be used in a logic of benefit transfer, Department of Experimental Evolutionary Biology, Alma Mater Studiorum, University of Bologna (Italy)

September 2008 - October 2008 Traineeship at Istat (Roma, Italy), Environmental accounting unit. Management and analysis of environmental accounting data, supervisors: Angelica Tudini and Cesare Costantino

November 2007 - October 2008 Tutor for undergraduate students of the didactic area ‘Tools for economics’ (statistics, econometrics, mathematics, game theory, information technology) and support tutor for worker-students, Faculty of Economics, University of Ferrara (Italy)

Publications on referred journals

Linking NAMEA and input output for ‘consumption vs. production perspective’ analyses - Evidence on emission efficiency and aggregation biases using the Italian and Spanish environmental accounts (with Massimiliano Mazzanti and Anna Montini), 2012, *Ecological Economics* (published on-line on 24 December 2011, <http://dx.doi.org/10.1016/j.ecolecon.2011.005>), 74:71-84

The Evolution of Environmental and Labor Productivity Dynamics - Sector Based Evidence from Italy (with Massimiliano Mazzanti), *Journal of Evolutionary Economics* (published on-line on 24 November 2010, <http://dx.doi.org/10.1007/s00191-010-0199-8>)

The dynamics and delinking of industrial emissions: The role of productivity, trade and R&D (with Massimiliano Mazzanti), 2009, *Journal of Innovation Economics*, 3:91-117

Book chapters

Closing the gap? Dynamic analyses of emission efficiency and sector productivity in Europe, 2012 (forthcoming), in *The Dynamics of Economic and Environmental Efficiency* (eds V. Costantini and M. Mazzanti), Springer, 2012

Aggregation bias in ‘consumption vs production perspective’ comparisons - Evidence using the Italian and Spanish NAMEAs (with Massimiliano Mazzanti and Anna Montini), 2011 (forthcoming), in *Hybrid Economic and Environmental Accounts* (eds V. Costantini, M. Mazzanti and A. Montini), Routledge, October 2011

Emissions Trends and Labour Productivity Dynamics (with Massimiliano Mazzanti), 2010, in *Environmental Efficiency, Innovation and Economic Performance* (eds M. Mazzanti, A. Montini), Routledge, June 2010

Working papers

Closing the gap? Dynamic analyses of emission efficiency and sector productivity in Europe, 2011, submitted to *Environmental and Resource Economics*

Do Eco-Innovations Harm Productivity Growth through Crowding Out? Results of an Extended CDM model, 2011, mimeo

Matching of PATSTAT applications to AIDA firms - Discussion of the methodology and results, 2011, submitted to *World Patent Information*

Linking NAMEA and Input output for ‘consumption vs. production perspective’ analyses - Evidence on aggregation biases using the Italian and Spanish environmental accounts (with Massimiliano Mazzanti and Anna Montini), Quaderni del Dipartimento, Università di Ferrara, no 8/2011 (revise and resubmit *Ecological Economics*)

ICT Investments, Eco-Innovations and Environmental Efficiency - Micro and sector studies from Italy (with Giulio Cainelli and Massimiliano Mazzanti), 2010, Proceedings of the workshop on “The Economics of Green IT” (ZEW, Mannheim, November 2010)

Joining Input-Output and NAMEA: results and research directions (with Massimiliano Mazzanti, Anna Montini and Roberto Zoboli), 2010, Proceedings of the conference on “The Structure of Economic Systems Through Input-Output Applications - Europe and the International Perspective” (Accademia dei Lincei, Roma, October 2010)

Sector CO₂ and SO_x Emissions Efficiency and Investment: Homogeneous vs Heterogeneous Estimates using the Italian NAMEA, 2010, Proceedings of the ISEE 2010 Conference (Oldenburg [Germany], August 2010)

Valutazione economica della biodiversità marina e costiera nel Nord Adriatico: situazione socio-economica dell’area considerata e trasferimento del beneficio, 2009, MPRA Paper 17793 (report within the project ‘ADRIABIO’, Alma Mater Studiorum, Department of Experimental Evolutionary Biology, University of Bologna (Italy))

Emissions Trends and Labour Productivity Dynamics Sector Analyses of De-coupling / Recoupling on a 1990-2005 NAMEA (with Massimiliano Mazzanti), FEEM Nota di Lavoro 50/2009

Technical reports:

Progress in Sustainable Consumption and Production in Europe - Indicator-based Report (prepared with David Watson, David McKinnon, Anders Bjorn, Mikkel Stenbaek Hansen, Dominic Wittmer, Justus von Geibler, Mathieu Saurat, Helmut Schutz, Samus Tobias, Roberto Zoboli, Massimiliano Mazzanti, Massimiliano Volpi, Ilaria Beretta, Lucia Dal Negro), 2011, ETC/SCP working paper 1/2011

Conferences and presentations

EMAN EA-SDI Conference 2009 (Prague, Czech Republic, April 2009), DRUID Summer Conference 2009 (Copenhagen, Denmark, June 2009), 50 Riunione Annuale della Società degli Economisti Italiani (Roma, October 2009), Lunch Seminar (Dipartimento di Scienze Economiche, University of Pisa, May 2010), Eco-efficiency Conference (Egmond aan Zee, Netherlands, June 2010), ISEE 11th Biennial Conference (Oldenburg and Bremen, August 2010), Workshop ‘The Economics of Green IT’ (ZEW, Mannheim, Germany, November 2010), International Scientific Conference ‘Sustainable Consumption - Towards Action and Impact’ (Hamburg [Germany], November 2011), European Seminar EuroLIO 2012 ‘Geography of Innovation’ (Saint-Etienne [France], January 2012)

Referee

Ecological Economics, Druid Society Conference 2011

Languages

Italian: mother tongue

English: good, B2 (English course (40 hours) Advanced B2 by Centro Linguistico, University of Pisa, from March 2010 to May 2010; PET (“Pass with merit” - B1) in 2003)

Spanish: good, B2

French: basic, A2

Software

OS: Windows and Linux

Excellent knowledge of the MS Office Suite and Openoffice

Econometric software: Stata, Gretl (basic), Geoda (basic)

Database and related: MS Access, Navicat, Google Refine, MySQL (basic)

Other software: Matlab/Octave (basic), ArcView GIS (basic)

L^AT_EX

Website creation (basic: Joomla, MS Front Page, Dreamweaver)

References

Massimiliano Mazzanti Faculty of Economics, University of Ferrara, ma.maz@iol.it

Francesca Lotti Banca d'Italia, NBER, francesca.lotti@bancaditalia.it