

Vito Frontuto

Education

Ph.D. in Economics, "Vilfredo Pareto" graduate School in Economics of the University of Turin, Italy. Dissertation title: "Residential Energy Demand: an Empirical Investigation using Italian Expenditure data", supervisor: Prof. Ugo Colombino - 30, March 2012.

B.A. in International and Diplomatic Sciences, Faculty of Political Sciences, University of Turin. Title of the thesis: "An economic analysis of waste disposal and management", supervisor: Prof. Silvana Dalmazzone - 13, December, 2004. Grade: 105/110.

Short courses and Summer Schools

Discrete Choice Analysis: Predicting Demand and Market Shares, Winter School at EPFL Lausanne, Prof. Bierlaire and Prof. Ben-Akiva. February, 2010.

Microeconometrics, Prof. Steinar Strom. October 12-29, 2008.

Non linear Panel Data, Summer School at CEMFI Madrid, Prof. Manuel Arellano. September 8-12, 2008.

Valuation Techniques for Environmental Resources, Prof. Riccardo Scarpa. April 5-21, 2006.

Affiliation

Dipartimento di Economia e Statistica "S. Cogneetti de Martiis" since 2012.

Turin School of Local Regulation since 2012.

Dipartimento di Economia "S. Cogneetti de Martiis" 2005 - 2012.

Fondazione per l'Ambiente "T. Fenoglio" since 2009.

Work Experience

Research scholarship, project "Gestione delle risorse idriche: riequilibrare usi economici, servizi ecosistemici e cost recovery", Department of Economics and Statistics "S. Cogneetti de Martiis", University of Turin, Italy and Regione Piemonte. August 2018 – November 2018.

Research fellow, project "Revisione dei canoni per l'uso di acqua pubblica", Department of Economics and Statistics "S. Cogneetti de Martiis", University of Turin, Italy and Regione Piemonte. July 2016 – July 2018.

Research fellow, project "Observing, modelling and testing synergies and tradeoffs to adaptive management of multiple impacts in coastal systems (TETRIS)", Department of Economics and Statistics "S. Cogneetti de Martiis", University of Turin, Italy. June 2013 – November 2015.

Energy Economist, project UNEP 61-P3-United Nations Environment Programme "Policy, macroeconomics assessment and instruments to empower governments and business to advance resource efficiency and move towards a green economy", United Nations Environment Programme (UNEP).

April 2014 – September 2015.

Research Assistanship within the Research Grant "Green Economy Research on the Mediterranean Environment (GERME)". Collegio Carlo Alberto, Moncalieri (Turin). Italy.

Project Manager, "MONSPL 2013 - Monitoraggio dei Servizi Pubblici Locali". Monitoring of local public services tariffs and comparative analysis for twenty cities in the Piedmont Region. Fondazione per l'ambiente T. Fenoglio, Turin.

April – July 2013.

Project Manager, "Afford Dati 2012 - La sostenibilit  delle tariffe dei principali servizi pubblici locali". Affordability of local public services tariffs. Fondazione per l'ambiente T. Fenoglio, Turin.

April – November 2012.

Project Manager, "MONSPL 2012 - Monitoraggio dei Servizi Pubblici Locali". Monitoring of local public services tariffs and comparative analysis for twenty cities in the Piedmont Region. Fondazione per l'ambiente T. Fenoglio, Turin.

April – July 2012.

Project Manager, "MONSPL 2011 - Monitoraggio dei Servizi Pubblici Locali". Monitoring of local public services tariffs and comparative analysis for twenty cities in the Piedmont Region. Fondazione per l'ambiente T. Fenoglio, Turin.

April – July 2011.

Research assistanship (Prof. Giovanni Mastrobuoni), Collection of datasets and econometric analysis within the Research Grant "Unexplored Determinants and Consequences of Legal, Illegal and Criminal Migration". Collegio Carlo Alberto, Moncalieri (Turin). Italy.

September 2010 – July 2011.

Research fellow, project "Implementing a toolkit for the valuation of infrastructures externalities, as a support for decision-making", Collection of case study of infrastructures' externalities valuation for benefit transfer; design of a Contingent Valuation experiment, collection of data and econometric analysis. Department of Economics "S. Cogneetti de Martiis", University of Turin, Italy.

May 2005 – November 2007.

Working Stage, project "VALE3", Collection and analysis of dataset for the case study on Municipal Solid Waste Management. Fondazione per l'ambiente T. Fenoglio, Turin.

April – October 2004.

Contribution to Teaching

Courses

a.y. 2018/2019

Department of Economics and Statistics "S. Cogneetti de Martiis", University of Turin. Contract Lecturer Master course (Laurea Magistrale in Economia dell'Ambiente della Cultura e del Territorio) *Evaluation of Environmental and Cultural Heritage* (SECS-P/03).

February 2018

Lecturer at Master "World Heritage and Cultural Projects for Development" - Polytechnic of Torino, University of Torino and International Training Center-ILO.

from a.y. 2014/2015 to a.y.2017/2018

Department of Economics and Statistics "S. Cogneetti de Martiis", University of Turin.
Contract Lecturer Master course (Laurea Magistrale in Economia dell'Ambiente della Cultura e del Territorio) *Environmental evaluation methods* (SECS-P/03).

a.y. 2013/2014

Department of Economics and Statistics "S. Cogneetti de Martiis", University of Turin
Contract Lecturer Master course (Laurea Magistrale in Sviluppo, Ambiente e Cooperazione) *Environmental project evaluation techniques* (SECS-P/03).

a.y. 2012/2013

Faculty of Political Sciences, University of Turin.
Tutorship in Quantitative Methods and Econometrics using R.

a.y. 2012/2013

Faculty of Political Sciences, University of Turin.
Lab on Quantitative Methods and Econometrics using STATA.

a.y. 2010/2011

Faculty of Political Sciences, University of Turin.
Lectures and Seminars on *Waste Management and Environmental Economics*, in Environmental Economics courses (Laurea Magistrale e Laurea Specialistica).

a.y. 2010/2011

Saint John International University, Vinovo (Turin).
Teaching Assistant, *Global Economics* course.

Supervision

From 2014 onward I am been the supervisor of about 40 master students.

Administration

Tutor for the MSc (Laurea Magistrale in Economia dell'Ambiente della Cultura e del Territorio), a.y. 2014/2015 and a.y. 2015/2016.

Responsible for admissions at the MSc (Laurea Magistrale in Economia dell'Ambiente della Cultura e del Territorio), a.y. 2014/2015.

Scholarship and Honors

Individual research grant Master dei Talenti della Societa' Civile (2012), Fondazione Cassa di Risparmio di Torino (CRT). Project: Il consumo energetico delle famiglie italiane. Analisi di impatto delle scelte pubbliche sulla diffusione di comportamenti virtuosi.

Scholarship for attending the PhD Program in Economics (2008-2011), University of Turin.

Field of Specialization

Non-Market Valuation, Energy and Water Economics, Waste Economics, Green Fiscal Reforms, Economics of Public Utilities, Econometrics.

Publications

Peer-reviewed papers

Frontuto V., "Forecasting household consumption of fuels: a multiple discrete-continuous approach", *Applied Energy*, forthcoming. Impact Factor: 7.9.

Frontuto V., Dalmazzone S., Vallino E. and Giaccaria S. (2017), "Earmarking conservation: further inquiry on scope effects in stated preference methods applied to nature-based tourism", *Tourism Management*, 60, p. 130-139. ISSN: 0261-5177, doi:10.1016/j.tourman.2016.11.017. Impact Factor: 3.140, Gold (Classe A - Area 13).

Giaccaria S., Frontuto V. and S. Dalmazzone (2016), "Valuing externalities from energy infrastructures through stated preferences: A geographically stratified sampling approach", *Applied Economics*, 48(56), p. 5497-5512. ISSN: 0003-6846, doi: 10.1080/00036846.2016.1178850. Impact Factor: 0.586, Silver, (Classe A - Area 13).

Giaccaria S., Frontuto V. (2012), Perceived health status and environmental quality in the assessment of external cost of waste disposal facilities. An empirical investigation, *Waste Management and Research* 30(8), 864-870. Impact factor: 1.338.

Non peer-reviewed papers

Russolillo D., Frontuto V. (2013), La morosita' nei pagamenti dei servizi a rete, *Servizi a Rete*, Num. Maggio-Giugno.

Frontuto V., Russolillo D. (2013), Il costo della morosita', *Servizi a Rete*, Num. Luglio-Agosto.

Dalmazzone S., Giaccaria S., Frontuto V., Economics and policy of biodiversity loss, *Environmental training community newsletter*, n.4, 2007.

Research reports

UNEP, Dalmazzone S., Frontuto V., Brosio G., Piazza S., Green Economy Fiscal Policy Analysis - Mauritius, 2016, <http://www.greenfiscalspolicy.org/wp-content/uploads/2016/09/Fiscal-Policy-Analysis-Mauritius.pdf>.

UNEP, Brosio G., Dalmazzone S., Frontuto V., Piazza S., Green Economy Fiscal Policy Analysis - Ghana, 2015, <http://web.unep.org/greeneconomy/sites/unep.org.greeneconomy/files/field/image/fiscal-policy-analysis-ghana.pdf>.

Frontuto V., Le tariffe dei servizi pubblici locali e la spesa delle famiglie italiane - Un'analisi sui principali comuni piemontesi (MONSPL, Edizione 2013). Fondazione per l'Ambiente T. Fenoglio, 2013.

Frontuto V., Le tariffe dei servizi pubblici locali e la spesa delle famiglie italiane - Un'analisi sui principali comuni piemontesi (MONSPL, Edizione 2012). Fondazione per l'Ambiente T. Fenoglio, 2012.

Frontuto V., Le tariffe dei servizi pubblici locali e la spesa delle famiglie italiane - Un'analisi sui principali comuni piemontesi (MONSPL, Edizione 2011). Fondazione per l'Ambiente T. Fenoglio, 2011.

Colombino U., Dalmazzone S., Frontuto V., Giaccaria S., A choice modelling study for the assessment of impacts of municipal waste disposal systems. Department of Economics, University of Turin, 2007.

Colombino U., Dalmazzone S., Frontuto V., Giaccaria S., Valuation of the impacts of High Voltage Power Lines , Department of Economics, University of Turin, 2006.

Colombino U., Dalmazzone S., Frontuto V., Giaccaria S., Implementing a toolkit for the valuation of infrastructures externalities, as a support for decision-making, Department of Economics, University of Turin, 2005.

Working papers

Frontuto V. (2012), "Residential Energy Demand: a Multiple discrete-continuous extreme value model using Italian Expenditure data", working paper series of the Department of Economics, University of Turin, QR 12 n.3.

Giaccaria S., Frontuto V. and S. Dalmazzone, (2010) "Who's afraid of power lines? Merging survey and GIS data to account for spatial heterogeneity", working paper series of the Department of Economics, University of Turin, QR 10 n.2.

Giaccaria S., Frontuto V., (2007) "GIS and Geographically Weighted Regression in stated preferences analysis of the externalities produced by linear infrastructures", working paper series of the Department of Economics, University of Turin, QR 10 n. 07.

Presentation at seminars and Conferences

Frontuto V., Dalmazzone S., Besana A., Mancin P., "Public water use and ecosystem services: towards a WFD compliant water pricing reform", presented at the 7th Annual Conference of the Associazione Italiana di Economia Agraria e Applicata (AIEAA 2018), Conegliano (TV), 14-15 June.

Frontuto V., Dalmazzone S., Montalto V., Primiani L. and Sara' G., "Into Hot Water? The impact of climate change on Mediterranean aquaculture", presented at the 23rd Annual Conference of the Italian Association of Environmental and Resource Economists (EAERE 2017), Athens, 28 June - 01 July.

Frontuto V., Russolillo D., Becchis F., "Pay or not to pay...that is the question! The case of delays of payments in local public services and the Turin Index", presented at the Fifth Annual Conference of the Italian Association of Environmental and Resource Economists (IAERE 2017), Roma, 16-17 February.

Frontuto V., Dalmazzone S., Montalto V., Primiani L. and Sara' G., "Into Hot Water? The impact of climate change on Mediterranean aquaculture", presented at the Fourth Annual Conference of the Italian Association of Environmental and Resource Economists (IAERE 2016), Bologna, 11-12 February.

Montalto V., Dalmazzone S., Frontuto V., Primiani L., Helmuth B. and Sara' G., "Projecting the future potential of shellfish sector in the Mediterranean Sea and possible economic rebounds", presented at the annual conference of Societa' Italiana Ecologisti, Roma, 21-25 September 2015.

Dalmazzone S., Damiano , Frontuto V., "The Economics of Carbon Costing", presented at the annual conference of Societa' Italiana Ecologisti, Roma, 21-25 September 2015.

Di Bartolo L., Frontuto V., Ravagnoli C., Bulleri F., Focardi S., Materassi M., Dalmazzone S., "A bio-economic model of the value of the ecosystem services provided by Posidonia Meadows", presented at the annual conference of Societa' Italiana Ecologisti, Roma, 21-25 September 2015.

Airoldi L., Strain E.M., Frontuto V., Dalmazzone S., "Besides mitigation and adaptation: managing for synergistic interactions between local and global stressors as resilience approach to climate change policies", presented at the annual conference of Societa' Italiana Ecologisti, Roma, 21-25 September 2015.

Frontuto V. and Dalmazzone S., "Green Tariffs and Household Electricity Consumption: an agent-based Simulation", presented at the Fifth World Conference of Environmental and Resource Economists (WCERE 2014), Istanbul, 28 June 2014 - 02 July 2014.

Frontuto V. and Dalmazzone S., "Green Tariffs and Household Electricity Consumption: an agent-based Simulation", presented at the Second Annual Conference of the Italian Association of Environmental and Resource Economists (IAERE 2014), Milano, 13-14 February.

Frontuto V., "Residential Electricity Production and Consumption: the case of Photovoltaic Systems", presented at the First Annual Conference of the Italian Association of Environmental and Resource Economists (IAERE 2013), Ferrara, 8-9 February.

Frontuto V., "End-Use Residential Energy Demand: a MDCEV-GEV Model for the Joint Estimation of Perfect and Imperfect Substitute Goods", invited speaker FEEM-IEFE Joint Seminar Series, Milan, December 6th.

Frontuto V., "Multiple Discrete-Continuous Extreme Value Model for Household Energy Demand", presented at the 19th annual Conference of the European Association of Environmental and Resource Economists (EAERE 2012), Prague, June 27th.

Frontuto V., "Residential Energy Demand: a Multiple Discrete-Continuous Extreme Value Model using Italian Expenditure Data", presented at the 18th annual Conference of the European Association of Environmental and Resource Economists (EAERE 2011), Rome, June 29th.

Giaccaria S., Frontuto V. and S. Dalmazzone, "Who's afraid of power lines? Merging survey and GIS data to account for spatial heterogeneity", presented at the 18th annual Conference of the European Association of Environmental and Resource Economists (EAERE 2011), Rome, June 29th.

Giaccaria S., Frontuto V., GIS and Geographically Weighted Regression in stated preferences analysis of the externalities produced by linear infrastructures, presented at the 15th annual Conference of the European Association of Environmental and Resource Economists (EAERE 2007), Thessaloniki, June 27th.

Giaccaria S., Frontuto V., "Implementing a toolkit for the valuation of infrastructures externalities as a support for decision-making", presented at the 3rd National conference of NUVAL, Rete dei Nuclei di Valutazione e Verifica degli Investimenti Pubblici (Network of groups for the assessment of public investments), Bologna, February 1st 2006.

Languages

Italian (mother tongue), English (very good in writing and speaking), French (basic).

Computer skills and competences

Advanced users of MS Office and of statistical softwares (STATA, GAUSS, R, BIOGEME); good user of geographical map softwares (QGIS, ARCGIS).

Personal skills and competences

Ability to interact and work in national and international research groups.

Strong sense of leadership (ability to manage and organize small/medium research groups), highly organized, excellent planning skills with great attention to detail and ability to prioritize work.