

## ***Curriculum Vitae***

### **ROBERTO ZOBOLI**

Born May 6, 1956  
Luzzara (RE), Italy  
Married, two daughters

DISEIS  
Catholic University  
Via Necchi 5  
I-20123 Milan  
Italy

IRCrES-CNR  
Via E. Bassini 15  
I-20133 Milan  
Italy

#### **PRESENT POSITIONS**

- Full Professor of Economic Policy, Faculty of Political and Social Sciences, Catholic University, Milan
- Director of MIR – Master in International Relations, ASERI – Post-graduate School of Economics and International Relations, Catholic University, Milan
- Associate Researcher CERIS-CNR, National Research Council of Italy, Milan

#### **EDUCATION**

1982: *Laurea* Degree in Political Economy (110/110), Faculty of Political Science, University of Bologna.

#### **TEACHING**

##### ***Undergraduate and graduate***

From 2014/2015: Economic Policy (9 ECTS), Faculty of Political and Social Sciences, Catholic University, Milan.

From 2013/2014: Decision techniques (9 ECTS), Faculty of Political and Social Sciences, Catholic University, Milan (module on Cost benefit analysis and Multi-criteria analysis).

2007/2008 – 2013/2014: ‘Economics of knowledge’ (10 ECTS), Faculty of Political and Social Sciences, Catholic University, Milan.

2004/2005 to present: ‘Economic policies for resources and the environment’ (10 ECTS), Faculty of Political and Social Sciences, Catholic University.

2003/2004: Adjunct Professor of 'Environmental policies' (6 ECTS), Faculty of Mathematics, Physics and Natural Sciences, Catholic University, Brescia.

2002/2003 - 2003/2004: Adjunct Professor of 'Geo-economics' (10 ECTS), Faculty of Political Science, Catholic University.

1993/1994 – 2001/2002: Adjunct Professor of 'Economics and policy of the international environment', course of 'International economic organisation', Catholic University.

1991/1992 – 1992/1993: Adjunct Professor, course of 'International economic organisation', Catholic University.

1988/1999-1999/1990: Adjunct Professor, course of 'Economics of forestry and mountain areas', University of Trento.

### ***Postgraduate***

2008/2009 to present: HDE – Master in Human Development and the Environment, ASA, Postgraduate School on the Environment, Catholic University, Brescia.

2006/2007 to present: MIR – Master in International Relations, ASERI - Postgraduate School of Economics and International Relations, Catholic University, Milan (Director from 2008).

From 2012: MIC&D - Master in International Cooperation and Development, ASERI - Postgraduate School of Economics and International Relations, Catholic University, Milan.

2012: MBA Global Business and Sustainability, ALTIS, Postgraduate School Business and Society, Catholic University, Milan.

2011: Master Degree in Environmental Assessment and Integrated Management in Urban Areas, IUSS and Tongji University, Shanghai.

2006/2007-2009/2010: MACIS - Master in International cooperation for development, ASERI.

2004/2005: Master in Competitiveness of the Alpine Regions, Catholic University, in cooperation with Polytechnic of Turin, University of Pavia, and IREALP.

2003-2004: MiDIC – Master in Development, Innovation and Change, University of Bologna.

1995/1996 – 2005/2006: Various master courses, ASERI.

## **RESEARCH**

### ***Catholic University (UCSC), Milan***

- From 2015: Main UCSC researcher (through SEEDS), Horizon 2020 project 'green.eu - European Global Transition Network on Eco-Innovation, Green Economy and Sustainable Development' (2015-2018).
- From 2014: Main UCSC researcher (through SEEDS), international consortium ETC/WMGE (European Topic Centre on Waste and Materials in the Green Economy), EEA (European Environment Agency), Copenhagen (2014-2018).
- 2013-2015: Main UCSC researcher (through SEEDS), project 'The economic evaluation of natural disasters in Italy', in partnership with CERIS-CNR, IRPI-CNR, IDPA-CNR, INGV, SEEDS, sponsored by Fondazione Generali.

- 2012-2015: PRIN - Research Projects of National Interest, Italian Ministry of University and Research (edition 2010-2011), Main UCSC researcher of the joint Research Unit UCSC-UNIBO, project 'Climate change in the Mediterranean area: scenarios, economic impacts, mitigation policies and technological innovation' (2010S2LHSE); main topic of the research unit: 'Embodied pollution and technology transfer for climate change in Italian international trade'.
- 2012-2014: Main UCSC researcher, international consortium ETC/SCP (European Topic Center on Sustainable Consumption and Production), EEA (European Environment Agency), Copenhagen; leader of the ETC/SCP task 'Finance and the Green Economy'.
- 2012: Main UCSC researcher (with P. Malavasi), project 'Brescia in Europe: Air quality and district heating', ASA - Postgraduate School on the Environment for ASM Foundation, Municipality of Brescia, A2A.
- 2010-2013: Main UCSC researcher, project on 'Sustainability of the Urban Environment', program 'Research Grants' of Lombardy Region.
- 2011-2013: Coordinator, research project 'Resources, the environment, and structural dynamics'
- 2010-2015: Scientific Coordinator (with Francesco Botturi) of the project 'Needs, people, and environments', UCSC ExpoLAB.
- 2010-2011: Contributor to the research project 'Sustainable mobility and electric cars in Lombardy', EnergyLab Foundation, Milan.
- 2008-2010: Scientific Coordinator of the scholarship programme 'Glocal Environmental Governance' for post-graduate education on environmental governance, Catholic University with the financial support of Cariplo Foundation, Milan.
- 2008-2009: Scientific Coordinator (with S. Beretta) of the project 'Global Governance in a Plural World', ASERI for Lombardy Region, programme on 'Centres of Excellence of the Lombard University System'.
- 2008: Contributor, research report on 'Education, Research, and Innovation' for the project 'Sustainable Milan', *Fondazione Lombardia per l'Ambiente*, Cariplo Foundation, Assolombarda (with S. Pontoglio).
- 2008: Contributor, project 'Competencies of Milan universities on energy and the environment', EnergyLab Foundation, Milan.
- 2006: Research cooperation with Transcrime, Catholic University, Milan.
- 2005-2007: Scientific Coordinator, project 'Opportunities for university-level environmental education in Lombardy', *Fondazione Lombardia per l'Ambiente*, Milan.
- 2005-2006: Member of the research team, project '*Milano globale 2005*', Milan Chamber of Commerce.
- 2004: Scientific Coordinator (with others), project 'The internationalisation of Lombardy and Milan towards the Mediterranean: present situation and strategic guidelines', ASERI for the Milan Chamber of Commerce.
- 2003: Scientific Coordinator (with others), project 'The Mediterranean and Europe. Political and institutional relationships, networks of firms, and technology transfer' ASERI for the Milan Chamber of Commerce.

- 2003-2004: Member of the research team, project 'Structural dynamics: firms, networks, and institutions', PRIN 2003-2004, Catholic University of Milan.

### ***CNR - National Research Council of Italy***

- From 2014: Associate Researcher, Milan Unit of IRCrES-CNR, Institute of Research on Sustainable Economic Growth, Moncalieri (TO).
- 2007-2014: Associate Researcher, Milan Unit of CERIS-CNR, Institute of Research on Firms and Growth, Moncalieri (TO).
- 2003-2007: Research Director, Head of the Milan Unit, CERIS-CNR.
- 2001-2002: Research Director, Head of the Milan Unit, ISPRI-CNR, Institute on Innovation and Research Policies, Rome.
- 1995-2001: Research Director, IDSE-CNR, Institute of Research on the Dynamics of Economic Systems, Milan (Institute director August 2000 - November 2001).

### ***Contribution to research projects***

- From 2014: CERIS participation to the international consortium ETC/WMGE (European Topic Center on Waste and Materials in the Green Economy), EEA (European Environment Agency), Copenhagen (2014-2018).
- 2013-2015: Project 'The economic evaluation of natural disasters in Italy', in partnership between CERIS-CNR, IRPI-CNR, IDPA-CNR, INGV, SEEDS, sponsored by Fondazione Generali.
- 2012-2015: CERIS unit in the project INTEGRATE - Technological innovations for the management of built areas, leader ICT-CNR, Framework Agreement between CNR and Regione Lombardia.
- 2012-2015: CERIS unit in the FP7 project 'BENTHIS' - Benthic Ecosystem Fisheries Impact Study (leader Wageningen UR).
- 2011-2015: Contribution of CERIS, Milan Unit, to the CNR project RITMARE (the Italian research for the marine environments), workpackage SP3\_WP5\_AZ2\_UO03: 'The economy of coastal areas'.
- 2011-2015: CERIS unit for the project 'EMInInn: Environmental Macro Indicators of Innovation', FP7, ENV.2011.3.1.9-3 - Macro-level Indicators to monitor the environmental impact of innovation, European Commission.
- 2009-2014: CERIS' participation to the international consortium ETC/SCP, European Topic Centre on Sustainable Consumption and Production, EEA - European Environment Agency, Copenhagen. ETC/SCP Project leader for the 'Green Economy' tasks (2010-2013).
- 2006-2012: Research module 'Economic Models for Environmental Sustainability', in the framework of IMAA-CNR research programme on 'Models of Sustainability'.
- 2009: CERIS' contribution to the project PIROGA, research leader IRSA-CNR, Parco Valle del Lambro (Lombardy).
- 2008: 'Evaluation of economic costs of 'minimum vital flow' on the Serio River (Lombardy)', IReR and Lombardy Region.

- 2007-2008: 'Environmental and economic impacts of paper saving through innovations in digital documentation', for Infocamere and Wave Group.
- 2006-2007: 'Economic benefits of 10.000 hectares of new vegetation systems in Lombardy', IReR and Lombardy Region.
- 2005-2006: 'Renewable energy policies and industrial markets for wood in Italy', Federlegno-Arredo, Milan.
- 2004-2008: Projects: 'Evaluation of shift in waste management form landfill to recovery/recycling/prevention', 'Use of economic instruments in policies addressing resources and waste', 'Sustainable production and consumption', in cooperation with APAT (Italian Environmental Agency) within the consortium ETC/RWM (European Topic Centre on Resource and Waste Management), EEA (European Environment Agency), Copenhagen.
- 2004-2007: 'Environmental policies in the Italian cities', APAT (Italian Environmental Agency), Research programme 'Environmental quality in Italian urban areas', APAT, Rome.
- 2005: 'Energy indicators and guidelines for the programmes of energy efficiency in Milan', AMMA-Milanese Agency for Mobility and the Environment, Milan.
- 2005: 'Socio-economic analysis of the landfill of Cerro Maggiore – Rescaldina', in cooperation with IRSA-CNR, Lombardy Region.
- 2004-2005: 'Methodologies for indicators of policy efficiency and response' in cooperation with APAT (Italian Environmental Agency) within the consortium ETC/WMF (European Topic Center on Waste and Material Flows), EEA (European Environment Agency), Copenhagen.
- 2004-2005: 'Socio-economic determinants of water demand in Italy' (2<sup>nd</sup> phase), within the CNR's project 'Integrated management of water resources in different geographical areas', in cooperation with IRSA-CNR, MIUR – Italian Ministry of University and Research.
- 2004: 'Rational production and use of energy', Part I: 'Energy efficiency in Lombardy: scenarios and policies', and Part II: 'Emission trading in Lombardy: perspectives and proposals for a region-level scheme', IReR and Lombardy Region.
- 2002-2003: 'ERIA: Environmental regulation impact analysis', IPA – Institute for the Environment, Milan.
- 2002-2003: 'International comparison of innovation systems in parts development and parts reuse in the automobile industry', in cooperation with RWE System Consulting, Mainz, Programme "Research Initiative on sustainability and innovation", German Federal Ministry on Education and Research, Germany.
- 2003: 'Scenarios of socio-economic development in the areas of Stelvio National Park', IREALP (Institute of Research on the Ecology and the Economy of Alpine Areas), Sondrio and Milan.
- 2001-2003: 'Socio-economic determinants of water demand in Italy' (1<sup>st</sup> phase), within the CNR's project 'Integrated management of water resources in different geographical areas', in cooperation with IRSA-CNR, MIUR – Italian Ministry of University and Research.
- 2001-2003: 'Development of an indicator framework on waste and material flows', in cooperation with APAT (Italian Environmental Agency) within the consortium ETC/WMF (European Topic Center on Waste and Material Flows), EEA (European Environment Agency), Copenhagen.

- 1998-2000: 'Regulation and Innovation in the Area of End-of-life Vehicles', IPTS-JRC, Research Programme 'The Impact of EU Regulation of Innovation of European Industry', DG Enterprise - European Commission (participant to the research team of IPTS-JRC project on 'Regulation and Innovation', Seville, 1998).
- 1998-1999: 'Structural transformation and competitiveness of local systems of production in Italy', Research programme of IDSE-CNR, Milan (with G. Antonelli).
- 1998-2000: Coordinator of the Research Unit on 'Effectiveness indicators of environmental policies, Sub-project 'Efficiency indicators for public administrations', Project CNR-ISTAT on 'Measures and parameters for economic and social policy'.
- 1999-2000: 'The environmental impacts of Balkan crisis', CNR Strategic Project 'The impacts of Balkan crisis', in cooperation with IRP-CNR.
- 1998-1999: 'Socio-economic vulnerability to seismic risk', IRRS-CNR project 'Techniques of artificial intelligence for the evaluation of seismic risk'.

#### *Other projects*

- 1999-2000: 'Analysis of CIS Data on Innovation in the Service Sector', in cooperation with CRIC, Manchester, and ISI-Fraunhofer, Karlsruhe, for DGXIII - European Commission.
- 1998-1999: Special Project CNR 'Innovation systems, technology support systems, and R&D evaluation'.
- 1998-1999: Strategic Project CNR 'Unemployment and low activity level in Italy'.

#### **Cariolo Foundation for Scientific Research, Milan (1994)**

Responsible of the research projects on the environment and technological innovation. Main projects:

- 'Science, Economics and Technology for the Environment', in cooperation with *Accademia Nazionale dei Lincei* and *Istituto Lombardo Accademia di Scienze e Lettere*.
- Follow-up and proceedings of the international conference 'Municipal Solid Waste in Europe: Economic, Technological and Environmental Perspectives'.

#### **Montedison S.p.A., Economic Studies Department, Milan (1991-1993)**

Director of the quarterly report *Innovazione e Materie Prime* (Innovation and Primary Commodities).

Cooperation with the Economic Study Department for studies on innovation, natural resources and the international economy.

#### **Nomisma S.p.A., Economic Research, Bologna (1983-1990)**

Researcher, Unit on 'Primary Commodities'; 1986-1990: Editor of the report 'Primary Commodities'; 1986-1990: Responsible of research projects on natural resources and the environment. Main projects:

- 'Policies for Italian mountain areas' (1990), for the Ministry of Agriculture and Forestry.

- ‘Economic and ecological studies for a monitoring system of Italian forests’ (1988-1990), for the Ministry of Agriculture and Forestry.
- ‘Instruments for planning the Italian forestry system’, background study of the 1<sup>st</sup> Italian Forestry Plan (1986-87), for the Ministry of Agriculture and Forestry.

### **PHD STUDENTS**

Member of the Council, Doctoral School in ‘Institutions and Policies’, Faculty of Political and Social Sciences, Catholic University, Milan. Supervision of PhD students:

- Simone Tagliapietra, 27<sup>th</sup> cycle, ‘The Euro-Mediterranean Energy relations’.
- Lucia Dal Negro, 25<sup>th</sup> cycle, ‘Applied Sustainability: exploring the limits of Inclusive Business strategies along spatial and institutional dimensions’.
- Michele Gaietta, 23<sup>rd</sup> cycle, ‘Geopolitics of the Iranian nuclear programme’.
- Denise Di Dio, 22<sup>nd</sup> cycle, ‘Environmental policy credibility and eco-innovation’.
- Livio Mallia, 21<sup>th</sup> cycle, ‘Free-trade areas and the Mediterranean integration’.
- Ignacio Lara, 20<sup>th</sup> cycle, ‘MERCOSUR and energy FDI in Latin America’ (co-supervisor with S. Beretta).
- Misa Labarile., 20<sup>th</sup> cycle, ‘Education systems and economic development’.
- Serena Pontoglio, 20<sup>th</sup> cycle, ‘International climate policies and technological innovation’.
- Valeria Miceli., 19<sup>th</sup> cycle, ‘High-tech district and the development of Italian industrial system’.
- Giuseppe Gabusi, 18<sup>th</sup> cycle, ‘The integration of China in the international economic system’ (co-supervisor with S. Beretta).
- Susanna Paleari, 17<sup>th</sup> cycle, ‘Institutional dynamics of transboundary resources and EU enlargement’ (co-supervisor with S. Beretta).

### **OTHER ACTIVITIES (1998-2015)**

- Reviewer for: *Journal of Evolutionary Economics*; *Environmental and Resource Economics*; *Journal of Automotive Technology and Management*; *Journal of Environmental Policy and Planning*; *Journal of Environmental Management*; *Resources, Conservation and Recycling*; *Economia delle Fonti di Energia e dell’Ambiente*; *Economia Politica*; *Rivista Internazionale di Scienze Sociali*; *Istituzioni e Sviluppo Economico*; *L’Industria*; *Economia dei Servizi*.
- 2015: Member of the Expert Group on the National Research Program (NRP) on ‘The Green Economy’, SNRF – Swiss National Research Foundation, Berne.
- 2015: PhD Thesis Defence of Marta Trabucchi, University of Bergamo, January.
- 2015: Contributor to the international workshop "Impacts of climate change on ecosystem services", Politecnico di Milano, JRC Ispra, Catholic University, European Commission, June 23, 2015.

- Member of the Organising Committee of the 2nd IAERE Annual Conference, Milan, 13-14 February 2014.
- IAERE 1st Annual Conference 2013, February 8-9, 2013, University of Ferrara, chairperson of the session 'Climate Change 1'.
- 2012: PhD Thesis Defence Seminar of Alberto Marzucchi, University of Trento, May.
- 2012: PhD Graduation Committee for Giovanni Marin and Perihan Saygin, IMT, Lucca, June.
- 2011: Contributor to the report 'Green economy: a comparison of European experiences', Eupolis for the Lombardy Regional Council.
- 2007: Member of the Project Group for the establishment of ASA, Postgraduate School on the Environment, Catholic University, Brescia.
- 2007: Ad hoc Group 10 "Natural resources, secondary raw materials and waste", High Level Group on Competitiveness, Energy and the Environment, European Commission, Brussels.
- 2007: 'Innovation Board', Federlegno-Arredo, Milan.
- 2006-2010: Review Panel of the EUROCORES Programme 'TECT - The Evolution of Cooperation and Trading', ESF - European Science Foundation, Strasbourg.
- 2006-2007: Commission on 'Environmental Statistics and Sustainable Development', ISTAT – National Institute of Statistics, Rome.
- 2006-2008: Member of the Inter-ministerial Technical Committee for Mountain Areas - CTIM, CIPE, Ministry of the Economy, Rome.
- 2004: Member of the Project Group for the establishment of the Department 'Earth and Environmental Sciences', National Research Council, Rome.
- 2002: Delegate of the CNR's President, hearing on environmental accounting in public administrations, Senate of the Italian Republic, Commission 'Environment and Territory', October 23.
- 2001-2002: Peer review of the report 'Recovery options for plastic parts from end-of-life vehicles: An eco-efficiency assessment', Oko-Institut for APME – Association of Plastic Manufacturers Europe, Brussels.
- 2001-2003: Member of the international network 'Blueprint' on innovation systems and the environment, ZEW and GSF, Germany.
- 2001-2002: Research cooperation with IPA (Institute for the Environment), Milan, for the reports: 'New perspectives of the Kyoto Protocol: implementation mechanisms and impacts on competitiveness', for the Italian Ministry of the Environment'; 'The role of energy recovery for the integrated management of waste', for COREPLA.
- 2001-2002: Responsible (with others) of the research project 'The economic accounts of Italian mountain areas', INRM (National Institute of Research on Mountain Areas) and UNCEM, Rome.
- 2001-2002: Responsible (with others) of the research project 'The socio-economic development plans of Italian Mountain Communities', INRM (National Institute of Research on Mountain Areas) and UNCEM, Rome.



- 1999-2000: Research cooperation with IPA (Institute for the Environment), Milan, for the reports: 'White paper on energy and the environment', for Confindustria; 'Perspectives of the Italian waste management industry', for Ecosesto; 'The evolution of demand and supply of waste paper in Italy', for COMIECO and ASSOCARTA.

## COMMITTEES AND BOARDS

- From 2015: Co-editor of the journal *Economia Politica – Journal of Analytical and Institutional Economics*, Springer and il Mulino.
- From 2014: Management Board ETC/WMGE – European Topic Centre on Waste and Materials in the Green Economy, EEA - European Environment Agency, Copenhagen.
- From 2013: Managing Committee, SEEDS - *Sustainability, Environmental Economics and Dynamic Studies*, inter-university research center between University of Ferrara, Catholic University of Milan, University of Bologna, University Rome 3, University Rome Tor Vergata.
- From 2012: Scientific Committee, Edison Foundation, Milan.
- From 2011: International Advisory Board, book series 'Global Power Shift. Comparative Analysis and Perspectives', Springer-Verlag, Heidelberg.
- From 2011: Management Council of *Fondazione Lombardia per l'Ambiente*, Milan.
- From 2010: Scientific Committee CSCC, Research Centre on Cognitive Sciences and Communication, Catholic University, Milan.
- From 2008: Management Council of ASA, Postgraduate School on the Environment, Catholic University, Brescia.
- From 2008: Scientific Committee, EnergyLab Foundation, Milan.
- From 2005: Technical Committee SEV – Economic Society of Valtellina, Sondrio.
- From 2004: Editorial board of the journal '*Economia delle Fonti di Energia e dell'Ambiente*', IEFE, Bocconi University, Milan.
- From 2002: Referee for the COFIN-MIUR programme.
- From 1995: Management Council of ASERI, Postgraduate School on Economics and International Relations, Catholic University, Milan.
- From 1993: Scientific Committee of CRANEC, Catholic University, Milan.

## INTERNATIONAL CONFERENCES

### ***With accepted paper or invited***

- ICPP – International Conference on Public Policies, Milan, July 1-4, 2015, Plenary session: 'Teaching public policies', July 3, 2015; invited presentation: 'Teaching 'multidisciplinary' public policies'.
- ICPP – International Conference on Public Policies, Milan, July 1-4, 2015, Panel T18P25, 'Green fiscal reforms and employment policies', July 1, 2015, panel organiser and chair.

- 3rd International Conference on Waste Management - ICWM 2015, Sant'Anna School of Advanced Studies, June 18th-19th 2015, Pisa, Italy; invited presentation: 'Waste Management and Circular Economy: A 'Critical' Perspective'.
- EEA and ETC/WMGE, Expert Workshop on the European reference model on (municipal) waste, 26-27 March 2015, EEA; presentation: 'Introduction to the European reference model on waste. Modules, their linkages and key features'.
- Final Workshop of 7FP project EMInn: 'Evidence-based policy-making for innovation and resource efficiency', Brussels, March 18, 2015; presentation: 'Waste management and recycling'.
- GGKP – Green Growth knowledge Platform Third Annual Conference "Fiscal Policies and the Green Economy Transition: Generating Knowledge – Creating Impact", UNEP, TERI, Ca' Foscari University, Venice, 29-30 January 2015; accepted paper: The role of non-waste 'product innovation' for waste production through reduced lifetime of goods (with Giovanni Marin).
- Conference of the International Network Routes towards Sustainability: Multi-Hazard Mitigation: A Challenge for Sustainability and Safety, Ferrara, September 29th - 30th 2014; presentation: 'Economic evaluation of earthquake damages and mapping socio-economic risks'.
- Green Week 2014, European Commission, DG Environment, workshop 'Building the knowledge base for a greener economy (in collaboration with the European Environment Agency), Brussels, June 4, 2014; invited presentation: 'A Green Economy Transition in the EU. Trends and policies'.
- International Workshop on 'Measuring Progress on "Greening" the Economy: Policies and Practices', UNEP-ILO-Eurostat-EEA, Geneva, 14-15 May 2014; invited discussant, final panel.
- IAERE Second Annual Conference, Milan, 13th-14th February 2014; accepted papers: SMEs and Barriers to Eco-Innovation: A Proposed Taxonomy (with A. Marzucchi and G. Marin); The 'emission disease' in services (with G. Marin).
- Inter-La+b, International Interdisciplinary Research Laboratory, Second Edition, USI (*Università della Svizzera italiana*), Lugano, 18-19 October 2013, Swiss Academies of Art and Sciences, *Fondazione Internazionale Balzan Premio, Accademia Nazionale dei Lincei*; chairperson of Session 2: 'Interdisciplinary Discussion/Methodological Approach: Urban Sustainability and Innovation'.
- International Workshop 'Managing waste from disposal to prevention. Conceptual, empirical and policy perspectives', SEEDS, 7 October 2013, University of Ferrara (Italy); presentation: 'Waste policy in the EU: From the environment to industry, and back to the environment?' (with S. Paleari).
- Inaugural Workshop of SEEDS, Inter-university research center on 'Sustainability, Environmental Economics and Dynamics Studies', 21 January 2013, Ferrara; presentation: 'Dynamic issues in environmental economics'.
- Workshop 'Innovation economics models for EMInn', jointly organised by TNO, UNU-MERIT and CERIS-CNR, Hoofddorp (NL), 29 November 2012; presentation: 'Drivers of eco-innovation'.

- Workshop 'Signalling the link between resource efficiency and the economy', EEA and DG ENV, Copenhagen, April 25, 2012; presentation: 'Linking environmental and economic 'productivities'' (with M. Mazzanti and G. Marin).
- Rio +20 Regional Science and Technology Workshop for Europe, ICSU and UNESCO, Helsinki, 12-14 October 2011; panellist of the thematic workshop 'Green economy'.
- International conference EAERE 2011, Pre-Conference on Waste Economics, June 29, 2011, Rome; keynote speech: 'Three research questions for the economics of waste'
- International Conference 'The Structure of Economic Systems through Input-Output Applications', *Accademia Nazionale dei Lincei* and Fondazione Edison, Rome, October 21-22, 2010: paper 'Joining Input-Output and NAMEA: results and research directions' (with G. Marin, A. Montini, M. Mazzanti).
- 16th Annual International Sustainable Development Research Conference 2010, The Kadoorie Institute, The University of Hong Kong, The International Sustainable Development Research Society, Hong Kong, 30 May – 1 June 2010; paper 'Complementarity in eco-innovation: concepts and empirical measurement' (with G. Cainelli and M. Mazzanti).
- International Round Table 'Stimulating Low-Carbon Vehicle Technologies', OECD/IEA Joint Transport research Centre, Paris, 18-19 February 2010; discussant of the invited papers.
- International Workshop 'Strengthening the role of R&D in boosting eco-innovation and eco-efficiency', European Commission, DG Research 1.3, Brussels, November 13, 2009; paper 'Need of indicators to monitor progresses towards a 'green(er) economy''.
- International Conference 'Environment and Energy Innovation in Economic Dynamics', *Accademia Nazionale dei Lincei* and Edison Foundation, May 21-22, 2009, Rome; paper 'Innovation, environmental efficiency, and economic productivity' (with M. Mazzanti).
- EAEPE 2007 Conference 'Economic growth, development, and institutions - lessons for policy and the need for an evolutionary framework of analysis', Oporto, November 1-3, 2007, papers: 'Environmental efficiency, emission trends and labour productivity: trade-off or complementary dynamics?' (with M. Mazzanti); 'Competitiveness strategies, environmental approaches, and performance in services. Firm based panel data evidence for Italy' (with G. Cainelli and M. Mazzanti); 'Aggregates extraction, environmental charges and regional planning policies Evidence on delinking and policy effectiveness in Italy' (with M. Mazzanti and S. Paleari); 'The evaluation of EU landfill policy effectiveness and the EKC hypothesis for waste generation: A methodology for country studies and empirical evidence from EU15/25 panel data analysis' (with M. Mazzanti).
- Conference 'Monitoring Italy 2007: Process Innovation, Management Efficiency and Economic Performance, ISAE, Rome, October 18, 2007, paper 'Environmentally oriented Innovative Strategies and Firm Performances in Services. Micro-evidence from Italy' (with G. Cainelli and M. Mazzanti).
- ESEE 2007 Biannual conference, Leipzig, June 2007, papers: "Environmental efficiency, emission trends and labour productivity: trade-off or complementary dynamics?" (with M. Mazzanti); "Environmental Kuznets Curves for air emissions in Italy: Evidence from NAMEA and provincial panel data" (with M. Mazzanti and A. Montini),
- ENVECON Environmental Applied Economics Conference, The Royal Society, London, 23 March 2007, paper: "Environmental Kuznets Curves for air emissions in Italy: Evidence from NAMEA and provincial panel data" (with M. Mazzanti and A. Montini),

- Workshop of the Ad hoc group 10 “Natural resources, secondary raw materials and waste”, High Level Group on Competitiveness, Energy and the Environment, European Commission, Brussels, March 27, 2007, presentation ‘An increasing role for R&D and innovation in waste and recycling’.
- Conference ‘Sustainable resource management, raw materials security, Factor-X resource productivity – tools for delivering sustainable growth in the European Union’, Bruges, 6-7 December, 2006; paper “Effectiveness analysis of economic instruments in resource policy” (with Legg D., Leveson-Gower H., Paleari S., Mazzanti M., Herczeg M., Bleischwitz R., Skovgaard M., Dige G.).
- Conference on ‘Ex-post policy effectiveness evaluations’, EEA, European Environment Agency, in cooperation with Danish EPA, Netherlands Environmental Assessment Agency, UK Environment Agency, ETC/RWM, Copenhagen, November 6-7, 2006; papers: ‘Ex-post effectiveness evaluation of environmental policies. A ‘catalyst’ paper for the EEA expert workshop’ (with M. Mazzanti); ‘Modelling ex-post environmental policy evaluation: Methodological issues, the structure of relationships and data-related issues’ (with M. Mazzanti).
- European Evaluation Society, Joint international conference, London, 4-6 October 2006; paper “Effectiveness analysis of economic instruments in resource policy” (with Legg D., Leveson-Gower H., Paleari S., Mazzanti M., Herczeg M., Bleischwitz R., Skovgaard M., Dige G.).
- International Conference ‘ConAccount Meeting’ on ‘Dematerialization across scales: Measurement, empirical evidence, future options’, Institute for Social Ecology, University of Vienna and University of Klagenfurt Wien, September 12-13, 2006, papers: ‘Environmental efficiency, Emission Trends and Economic Drivers (with M. Mazzanti and A. Montini); ‘Municipal Waste production and economic drivers’ (with M. Mazzanti and A. Montini).
- International Conference ‘Structural dynamics and economic growth: The central role of energy’, EniTecnologie and *Accademia Nazionale dei Lincei*, March 27-28, 2006, Rome; paper: ‘Rents on Natural Resources and Technological Change’.
- ‘Business Strategy & the Environment Conference’, University of Leeds, September 5-6, 2005; paper ‘Examining the forces influencing environmental innovation. Empirical evidence for a manufacturing system’ (with M. Mazzanti).
- International Conference on ‘Bibliometric Indicators: Quality of Scientific Research, and Research Evaluation’, DISEIS and CRANEC, Catholic University, Milan, September 16-17, 2005; paper ‘The ECONLIT publications of Italian economists’ (with G. Cainelli and A. de Felice).
- International Conference ‘Re-founding the energy system: Sustainability after the Kyoto Protocol’, EniTecnologie, *Accademia dei Lincei*, *Accademia Nazionale delle Scienze*, Rome, April 26-27, 2005; paper: ‘Environment-energy policies and economic growth’.
- Conference ‘Geosciences for Italy; Problems, competencies, solutions’, Committee for the 32nd International Geological Congress, *Accademia dei Lincei*, Rome, April 20, 2005; paper: ‘The economic implications of natural catastrophes’.
- International Conference ‘Science for an Environmentally Sustainable Development’, *Accademia dei Lincei* and Royal Society of Canada, Rome, October 7-8, 2004; paper ‘Environmental policy and economic costs’.

- Bilateral Seminar Italy-Brasil, Rio de Janeiro, December 2002; papers: 'Innovation and sustainability in industrial districts' (with G. Cainelli and A. Montini); 'Industrial districts in Italy: a macroeconomic perspective'.
- European High Summit, International Year of the Mountains, UN and FAO, May 2002, Milan, coordinator of the Session on 'Economic development of mountain regions', paper 'The European economy and mountain regions' (with A. Quadrio Curzio).
- Thirteenth Annual Conference of EAEPE - European Association for Evolutionary Economics, Siena, November 8-11, 2001; paper 'Infrastructures endowment at local level in Italy' (with A. Montini).
- International conference 'Towards environmental innovation systems', BMBF, EC DG Research, EEAC, Garmisch-Partenkirchen, September 27-29, 2001.
- ERP Environment Conference 'The 2001 Environmental Policy and the Costs of Compliance', London School of Economics, September 17-18, 2001, paper 'The Choice of Environmental Policy Instruments and Induced Technological Innovation. The case of End-of-Life Vehicles' (with M. Mazzanti).
- ERP Environment Annual Conference, Njmigen, The Netherlands, June 21-22, 2001; paper 'The Choice of Environmental Policy Instruments and Induced Technological Innovation. The case of End-of-Life Vehicles' (with M. Mazzanti).
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### ***Research workshops***

- Participant to more than 60 research workshops and expert meetings of European research projects and international research consortia.

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