



IAERE Fourth Annual Conference

11-12 February 2016, Bologna

FULL PROGRAMME

FEBRUARY 11th 2016 – THURSDAY

08:30 - 09.45	REGISTRATIONS	
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9:45 - 10:15	OPENING CEREMONY Barbara DEGANI , Under Secretary of State for the Italian Ministry for the Environment, Land and Sea Antonino ROTOLO , Vice Rector for Research, Alma Mater Studiorum - University of Bologna Stefano CENNI , Dean of the School of Economics, Management and Statistics, Alma Mater Studiorum - University of Bologna Giorgio BELLETTINI , Director of the Department of Economics, Alma Mater Studiorum - University of Bologna Massimiliano MAZZANTI , IAERE President, University of Ferrara and SEEDS-Interuniversity Research Centre Anna MONTINI , chair of the Conference Organizing Committee, Department of Economics, Alma Mater Studiorum - University of Bologna and SEEDS-Interuniversity Research Centre	Aula Magna
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10:15 - 11:15	KEYNOTE LECTURE 1 National and international rebound to motivate climate agreement Jeroen VAN DEN BERGH , Institute of Environmental Science & Technology of Universitat Autònoma de Barcelona Chair: Valentina BOSETTI, Bocconi University, Fondazione Eni Enrico Mattei (FEEM) and Euro-Mediterranean Center on Climate Change (CMCC)	Aula Magna
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11:15 - 12:15	PLENARY POLICY SESSION Green Fiscal Reform and abolition of environmentally harmful subsidies: what possible actions for Italian and European environmental policy? Carlo CARRARO , Ca' Foscari University of Venice, Fondazione Eni Enrico Mattei (FEEM) and Euro-Mediterranean Center on Climate Change (CMCC) Edoardo CROCI , IEFE, Bocconi University Alberto MAJOCCHI , University of Pavia Massimiliano MAZZANTI , University of Ferrara and SEEDS-Interuniversity Research Centre, IAERE President Chair: Aldo RAVAZZI DOUVAN , Italian Ministry of Environment and Green Budget Europe	Aula Magna
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12:15 - 14.00	LUNCH	
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14:00 - 16:00 **PARALLEL SESSIONS 1**

14:00 - 16:00 **Climate change, uncertainty and experiments** **Room 21**
Chair: Simone BORGHESI, University of Siena

Building Uncertainty into the Adaptation Cost Estimation in Integrated Assessment Models

Francesco BOSELLO: University of Milan, Fondazione Eni Enrico Mattei (FEEM) and Euro-Mediterranean Center on Climate Change (CMCC)
Co-Authors: Anil Markandya, Enrica De Cian, Laurent Drouet, Josue Polanco

Private investment with social benefits under uncertainty: the dark side of public financing

Marco BUSO: University of Padova, Ief - INRA
Co-Authors: Giuseppe Attanasi, Kene Boun My, Anne Stenger

Monetary Policy and Environmental Regulation

Pierfrancesco MOLINA: Sapienza University of Rome

A Bargaining Experiment on Side Deals among Heterogeneous Countries in Climate Negotiations

Alessandro TAVONI: London School of Economics, Grantham Research Institute
Co-Author: Greer Gosnell

Cooperation and Climate Change: a Dynamic Experiment

Riccardo GHIDONI: Tilburg University
Co-Authors: Giacomo Calzolari, Marco Casari

14:00 - 16:00 **Climate change and agriculture** **Room 22**
Chair: Silvana DALMAZZONE, University of Turin

Measuring environmental efficiency of agricultural sector: a comparison between EU countries

Fabio BARTOLINI: University of Pisa
Co-Authors: Coli Alessandra, Magrini Alessandro, Pacini Barbara

The Effects of Climatology, Climate Shocks and Weather on Maize Intensification and Income Vulnerability in Kenya

Martina BOZZOLA: European University Institute
Co-Authors: Melinda Smale, Salvatore Di Falco

Sowing climate change: turning crops into carbon credits

Luca DI CORATO: Swedish University of Agricultural Sciences

A Choice Experiment Study on the Farmers' Attitudes toward Biogas and Waste Reuse in a Nitrates Vulnerable Zone

Elisabetta STRAZZERA: University of Cagliari

Co-Authors: Vania Statzu, Laura Bonu

14:00 - 16:00

Environmental Policy and Policy instruments I

Room 31

Chair: Marzio GALEOTTI, University of Milan

The Covenant of Mayors Actions to Reduce CO2 Emissions: an Investigation on 124 European Cities

Edoardo CROCI: IEFE, Bocconi University

Co-Authors: Benedetta Lucchitta, Greet Janssens-Maenhout, Simone Martelli, Tania Molteni

Pork Barrel as a Signaling Tool: The Case of US Environmental Policy

Helia COSTA: Grantham Research Institute and LSE Cities, London School of Economics

Environmental Policy and the Business Cycle: The Role of Adjustment Costs on Abatement

Francesca DILUISO: University of Rome Tor Vergata

Supporting the UN SDGs transition: methodology for sustainability assessment and current worldwide ranking

Fabio EBOLI: Fondazione Eni Enrico Mattei (FEEM) and Euro-Mediterranean Center on Climate Change (CMCC)

Co-Authors: Lorenza Campagnolo, Carlo Carraro, Luca Farnia

Energy, Trade and Innovation: the Tragedy of the Locals

Chiara RAVETTI: University of Oxford

Co-Authors: Giulia Valacchi, Tania Theoduloz

14:00 - 16:00

Behaviours and preferences towards the environment

Room 32

Chair: Anna MONTINI, University of Bologna and SEEDS-Interuniversity Research Centre

Nudging at the beach: the effect of nudges on marine litter

Gionata CASTALDI: University of Rome Tor Vergata and MATTM - SOGESID

Co-Authors: Grazia Cecere, Mariangela Zoli

Behavioural attitudes towards Waste prevention and recycling

Marianna GILLI: University of Ferrara and SEEDS-Interuniversity Research Centre

Co-Authors: Paola Farinelli, Francesco Nicolli

Willingness to pay to reduce emissions of domestic heating system: a choice experiment for Italy

Francesco MARANGON, University of Udine

Co-Authors: Tiziano Tempesta, Stefania Troiano, Daniel Vecchiato

Baseline Risk and Marginal Willingness to Pay for Health Risk Reduction

Marcella VERONESI: University of Verona and ETH Zurich

Co-Authors: Shelby Gerking, Wiktor Adamowicz, Mark Dickie

An empirical investigation of illegal waste in England

Alessio D'AMATO: University of Rome Tor Vergata and SEEDS-Interuniversity Research Centre

Co-Authors: Gionata Castaldi, Mariangela Zoli

16:00 - 16:30 **COFFEE BREAK**

16:30 - 18:30 **PARALLEL SESSIONS 2**

16:30 - 18:30 **Energy and the Environment** **Room 21**

Chair: Edilio VALENTINI, G. d'Annunzio University Chieti-Pescara

Including System Integration of Variable Renewable Energies in a Constant Elasticity of Substitution Framework: the Case of the WITCH Model

Samuel CARRARA: Fondazione Eni Enrico Mattei (FEEM)

Co-Author: Giacomo Marangoni

Measuring Environmental Policy Stringency: Approaches, Validity, and Impact on Energy Efficiency

Marzio GALEOTTI: University of Milan

Co-Authors: Elena Verdolini, Silvia Salini

Renewable energy intermittency and its impact on thermal generation

Christoph GRAF: European University Institute

Co-Author: Claudio Marcantonini

Information, Random Regret Minimisation, Random Utility Maximisation: Willingness to pay for Renewable Energy

Alberto LONGO: Queen's University Belfast

Co-Author: Marco Boeri

Rebound Effects in Europe

Michele MALPEDE: Fondazione Eni Enrico Mattei (FEEM)

Co-Author: Elena Verdolini

16:30 - 18:30

**Environmental regulation: macro and micro effects –
environmental accounting**

Room 22

Chair: Francesco BOSELLO, University of Milan, Fondazione Eni Enrico Mattei (FEEM) and Euro-Mediterranean Center on Climate Change (CMCC)

Does environmental regulation drive the direction of technological change?

Enrico BOTTA: University of Milan

**Ownership, environmental regulation and environmental quality in
developed countries**

Stefano CLÒ: University of Milan

Co-Authors: Massimo Florio, Matteo Ferraris

**The role played by uncertainty of GHG emissions in transport policy analysis.
The case of Piedmont region in assessing direct and indirect emissions**

Alessandra LA NOTTE: IUAV – University of Venice

Co-Authors: Greti Lucaroni, Stefania Tonin, Silvio Nocera

**Value added and job creation: an ex-post assessment of the Italian support to
RES**

Federica PONTONI: IEFE – Bocconi University

Co-Authors: Mattia Cai, Niccolò Cusumano, Arturo Lorenzoni.

**The treatment of emission permits under EU ETS in National Accounts and
Environmental Accounts**

Emanuela RECCHINI: Italian National Statistical Institute (ISTAT)

Co-Authors: Susanna Riccioni, Luisa Sciandra

16:30 - 18:30

Firms and the Environment

Room 31

Chair: Andrea MANTOVANI, University of Bologna

**Governing offshoring in an environmental stringency setting: evidence from
Italian manufacturing firms**

Roberto ANTONIETTI: University of Padua

Co-Authors: Valentina De Marchi, Eleonora di Maria

**Eco-innovations and firms' market value: a micro-econometric analysis of
European data**

Claudia GHISETTI: University of Ferrara and SEEDS-Interuniversity Research
Centre

Co-Authors: Alessandra Colombelli, Francesco Quatraro

**Do companies gain from environmental disclosure? Evidence from CDP
announcements in the stock markets**

Valeria MICELI: Catholic University of Milan

Co-Authors: Giovanni Marin, Roberto Zoboli

Forms of knowledge and eco-innovation modes: Evidence from Spanish manufacturing firms

Sandro MONTRESOR: Kore University of Enna

Co-Author: Alberto Marzucchi

Environmental Management System, Spillovers and Market Competition

Alessandro TAMPIERI: Université du Luxembourg

Co-Author: Michael Kopel

16:30 - 18:30

Climate change, policies and socio-economic impact I

Room 32

Chair: Alessio D'AMATO, University of Rome Tor Vergata and SEEDS-Interuniversity Research Centre

The Migration Response to Increasing Temperatures

Cristina CATTANEO: Fondazione Eni Enrico Mattei (FEEM) and Euro-Mediterranean Center on Climate Change (CMCC)

Co-Author: Giovanni Peri

The Health Burden of Climate Change in US: Evidence from Influenza-Like-Illness

Shouro DASGUPTA: Ca' Foscari University of Venice, Fondazione Eni Enrico Mattei (FEEM) and Euro-Mediterranean Center on Climate Change (CMCC)

Co-Authors: Ian Sue Wing, Ari Stern

Into Hot Water? The Impact of Climate Change on Mediterranean Aquaculture

Vito FRONTUTO: University of Torino

Co-Authors: Silvana Dalmazzone, Valeria Montalto, Lidia Primiani, Gianluca Sara

The global carbon budget: a conflicting claims problem

Jordi TEIXIDO-FIGUERAS: European University Institute

Co-Authors: Jose Manuel Gimenez-Gomez- Cori Vilella

An Evolutionary approach to International Environmental Agreements

Tiziano DISTEFANO: IMT Institute for Advanced Studies, Lucca and University of Pisa

Co-Author: Simone D'Alessandro

Endogenous Technology and Environmental Policy for a Circular Economy

Francesco NICOLLI: IrCRes - CNR

Co-Authors: Alessio D'Amato, Massimiliano Mazzanti

20:30 - 22:30

SOCIAL DINNER – Cantina Bentivoglio

FEBRUARY 12th 2016 - FRIDAY

08:30 - 9:45	REGISTRATIONS	
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08:45 – 09:45	IAERE GENERAL ASSEMBLY OF MEMBERS	Aula Magna
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09:45-10:45	KEYNOTE LECTURE 2 The Economics of Corporate Sustainability Matthieu GLACHANT , Cerna, Centre d'Economie Industrielle MINES ParisTech Chair: Simone BORGHESI, University of Siena	Aula Magna
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10:45 - 11:15	COFFEE BREAK	
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11:15 - 13:15	PARALLEL SESSIONS 3	
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11:15 - 13:15	Water management and analysis Chair: Giovanni MARIN, IrCRes - CNR	Room 21
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	Water resource use and conflict in a two-sector evolutionary model Simone BORGHESI: University of Siena Co-Authors: Angelo Antoci, Mauro Sodini	
	Simulating the Macroeconomic Impact of Future Water Scarcity Roberto ROSON: Ca' Foscari University of Venice Co-Author: Richard Damania	
	Connected we stand: A network perspective on trade and global food security Martina SARTORI: University of Trento Co-Author: Stefano Schiavo	
	Integrating Structural Decomposition Analysis with Network Theory. The Blue Water case study Giovanni MARIN: IrCRes - CNR Co-Authors: Tiziano Distefano, Massimo Riccaboni	

11:15 - 13:15	Energy-efficiency, clean technologies adoption Chair: Francesco NICOLLI, IrCRes - CNR	Room 22
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	Variation, selection and retention patterns in technological knowledge evolution: the case of electric and hybrid vehicles Nicolò BARBIERI: University of Ferrara	
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Real time feedback on electricity consumption: a case study in Italy

Giacomo MARANGONI: Fondazione Eni Enrico Mattei (FEEM), Euro-Mediterranean Center on Climate Change (CMCC), and Polytechnic of Milan
Co-Author: Massimo Tavoni

Technology invention and diffusion in residential energy consumption. A stochastic frontier approach

Alessandro PALMA: Bocconi University
Co-Author: Giovanni Marin

Switch off the light, please! Energy consumption, aging population and consumption habits

Maria Grazia PAZIENZA: University of Florence
Co-Author: Rossella Bardazzi

Intra-EU knowledge flows in the renewable energy sector: a patent citation analysis

Roberta SESTINI: Sapienza University of Rome
Co-Authors: Chiara Conti, Maria Luisa Mancusi, Francesca Sanna-Randaccio, Roberta Sestini, Elena Verdolini

11:15 - 13:15

Climate change, policies and socio-economic impact II

Room 31

Chair: Claudia GHISSETTI, University of Ferrara and SEEDS-Interuniversity Research Centre

A Dynamic Analysis on the Conditional Variance of Cross-Country CO2 Emissions

Thomas BASSETTI: University of Padua
Co-Author: Giulio Cainelli

The cost of climate stabilization in Southeast Asia, a joint assessment with dynamic optimization and CGE models

Carlo ORECCHIA: Fondazione Eni Enrico Mattei (FEEM), Euro-Mediterranean Center on Climate Change (CMCC) and MATTM - SOGESID
Co-Authors: Francesco Bosello, Giacomo Marangoni, David Raitzer, Massimo Tavoni

EU2030 climate policy: optimal timing, overlapping instruments and cost effectiveness

Elena PAGLIALUNGA: Roma Tre University
Co-Author: Valeria Costantini

Sensitivity of Modeling Results to Technological and Regional Details: The Case of Italy's Carbon Mitigation Policy

Gabriele STANDARDI: Fondazione Eni Enrico Mattei (FEEM)
Co-Authors: Yiyong Cai and Sonia Yeh

The possibility to learn from a Natural Disaster: An Empirical Analysis

Andrea RAMPA: University of Rome Tor Vergata

Co-Author: Alessio D'Amato

11:15 - 13:15

Environmental policy and policy instruments II

Room 32

Chair: Roberto ZOBOLI, Catholic University, Milan and SEEDS-Interuniversity Research Centre

The Italian Green Act and Green Fiscal Reform between climate change, resource efficiency and circular economy

Aldo RAVAZZI DOUVAN: Italian Ministry of Environment - Green Budget Europe

Environmental fiscal reform and transition to a green economy

Stephan SPECK: European Environment Agency

Demand System Analysis for Italian Households: Elasticities and Welfare Effects of RES-E Incentives

Elena VERDOLINI: Fondazione Eni Enrico Mattei (FEEM)

Co-Authors: Roberta Distanto, Massimo Tavoni

EU ETS Facets in the Net: How Account Types Influence the Structure of the System

Andrea FLORI: IMT Institute for Advanced Studies, Lucca

Co-Author: Simone Borghesi

Emissions Trading, Price Floors and Clean Technologies

Edilio VALENTINI: G. d'Annunzio University Chieti-Pescara

Co-Author: Paolo Casini

13:15 - 13:30

AWARD and CLOSING CEREMONY

Aula Magna

13:30 - 14:45

LUNCH

14:45 - 15:00

TRANSFER TO Piazza Santo Stefano

15:00 - 16:30

SOCIAL EVENT – Visit to the Basilica di Santo Stefano
