



## Preliminary Programme



# IAERE

Italian Association of Environmental  
and Resource Economists

**Fifth Annual Conference**

16<sup>th</sup>-17<sup>th</sup> February 2017, Rome

University of Rome Tor Vergata, School of Economics



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## Preliminary Programme

### FEBRUARY 16th 2017 – THURSDAY

08:30 - 09.45	<b>REGISTRATIONS</b>	
9:45 - 10:30	<b>OPENING CEREMONY</b> Chair: Alessio D'AMATO (University of Rome Tor Vergata)  Giuseppe NOVELLI (Rector – University of Rome Tor Vergata) Giovanni TRIA (Dean – School of Economics, University of Rome Tor Vergata) Vincenzo ATELLA (Director – CEIS Tor Vergata) Francesco LA CAMERA (DG – Italian Ministry of Environment) Mario CIARLA (Vice President – Lazio Regional Council)	Room TL
10:30 - 11:30	<b>KEYNOTE LECTURE 1</b> <b>Thomas STERNER</b> , University of Gothenburg <b>International Climate economics: The importance of treaties and politics versus underlying trends in technology and taste</b> Chair: Enrico GIOVANNINI, Università di Roma Tor Vergata	Room TL
11:30 - 12:30	<b>IAERE General Assembly of Members</b>	Room TL
12:30 – 14:00	<b>LUNCH</b>	
14:00 - 16:00	<b>PARALLEL SESSIONS 1</b>	
14:00 - 16:00	<b>Valuation</b> Chair: Massimiliano MAZZANTI (University of Ferrara and SEEDS)	Room P1

#### **Air pollution during pregnancy and birth outcomes in Italy**

Alessandro PALMA: University of Rome "Tor Vergata"

Co-Author(s): Inna Petrunyk, Daniela Vuri

#### **Assessing economically coastal zone protection in a general equilibrium framework**

Elisa DELPIAZZO: Fondazione Eni Enrico Mattei and Euro-Mediterranean Center on Climate Change

Co-Author(s): Francesco Bosello, Ramiro Parrado

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**Does the construction of biogas plants affect local property values?**

Marco MODICA: IRCrES - CNR, Research Institute on Sustainable Economic Growth

**Understanding heterogeneous preferences for angling site attributes: Application of a choice experiment**

Tharshini THANGAVELU: Umeå University

Co-Author(s): Anton Paulrud, Jesper Stage

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14:00 - 16:00	<b>Waste</b> Chair: Mariangela ZOLI (University of Rome Tor Vergata and SEEDS)	Room P2 Thu. 16 Feb 2017
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**Environmental regulation and international hazardous waste trade**

Emy ZECCA: University of Rome La Sapienza

Co-Author(s): Giovanni Marin, Francesco Nicolli

**Do motivations crowd in recycling policies? Evidence from Italy**

Francesco NICOLLI: CNR

Co-Author(s): Lisa Boldrin, Susanna Mancinelli

**Toxic roads: Unearthing hazardous waste dumping**

Caterina GENNAIOLI: Queen Mary, University of London

Co-Author(s): Gaia Narciso

**Waste is money: Analyzing the impact of a pay-as-you-throw program on waste generation behaviors using synthetic controls**

Marica VALENTE: Humboldt University Berlin and German Institut for Economic Research (DIW)

**Which way from corruption to non-compliance? Testing for an efficiency-based route**

Mariangela ZOLI: University of Rome "Tor Vergata"

Co-Author(s): Gionata Castaldi, Alessio D'Amato

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14:00 - 16:00	<b>Climate Change: Policy</b> Chair: Stefano GORINI (University of Rome Tor Vergata)	Room P3 Thu. 16 Feb 2017
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**Expert judgments on the success of climate negotiations**

Alessandro TAVONI: London School of Economics

Co-Author(s): Astrid Dannenberg, Sonja Zitzelsberger

**Open economy macroeconomics and environmental policy**

Francesca DILUIISO: University of Rome Tor Vergata

Co-Author(s): Barbara Annichiarico

**Policy versus individual heterogeneity in the benefits of climate change mitigation: Evidence from a stated-preference survey**

Andrea BIGANO: Fondazione Eni Enrico Mattei and Euro-Mediterranean Center on Climate Change

Co-Author(s): Anna Alberini, Milan Ščasný

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**Carbon tax with heterogeneous individuals' willingness-to-pay**

Luca SPINESI: University of Roma Tre

**How costs of climate change influence the convenience of a global action**

Elena PAGLIALUNGA: University of Roma Tre

Co-Author(s): Valeria Costantini, Anil Markandya, Giorgia Sforza

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14:00 - 16:00

**Green Behaviour**

Chair: Anna MONTINI (University of Bologna)

Room P4  
Thu. 16 Feb 2017

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**Green consumption and relative preferences in an international oligopoly**

Ornella TAROLA: University of Rome "La Sapienza"

Co-Author(s): Giulia Ceccantoni and Skerdilajda Zana

**How to join circular economy without feeling dizzy! The role of information in shaping consumer's behaviour. Evidence from Europe**

Matilde GIACCHERINI: University of Rome "Tor Vergata"

Co-Author(s): Alessio D'Amato, Mariangela Zoli

**Posterior analysis of individuals preferences in private and public choice contexts: a choice experiment on energy efficiency options**

Giuseppe DEROMA: University of Cagliari

Co-Author(s): Elisabetta Strazzera

**Water conservation behavior and environmental concerns**

Damiano FIORILLO: Parthenope University

Co-Author(s): Maria Carmela Aprile

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14:00 - 16:00

**Environmental Problems and LDC**

Chair: Simone BORGHESI (University of Siena)

Room P57  
Thu. 16 Feb 2017

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**Climate change impact on Ethiopian small-holders production efficiency**

Manuela COROMALDI: University of Rome "Niccolò Cusano"

Co-Author(s): Solomon Asfaw, Sabrina Auci

**Fiscal instruments for green developing economies in practice**

Silvana DALMAZZONE: University of Turin

Co-Author(s): Vito Frontuto

**Large scale land investments and forests in Africa**

Nadia CUFFARO: University of Cassino

Co-Author(s): Caterina Conigliani Giovanna D'Agostino

**Modelling agricultural biodiversity in a CGE framework. The case of maize and wheat in Ethiopia**

Livia ORTOLANI: University of Roma Tre, Bioersity International - Centro Manlio Rossi Doria

Co-Author(s): Elisabetta Gotor, Carlo Orecchia, Giacomo Pallante, Luca Salvatici

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**The dynamics of foreign direct investments in land and pollution accumulation**

Simone BORGHESI: University of Siena

Co-Author(s): Giorgia Giovannetti, Gianluca Iannucci, Paolo Russu

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

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

16:30 - 18:30 **Eco Innovation**  
Chair: Sandro MONTRESOR (Kore University of Enna)

Room P1  
Thu. 16 Feb 2017

**Demand-pull and environmental innovations: estimating the effects of innovative public procurement**

Claudia GHISSETTI: Joint Research Centre - European Commission

**Porter hypothesis in the US manufacturing: A stochastic frontier model**

Balazs STADLER: University of East Anglia

**The impact of public procurement on environmental innovation: Evidence from the American recovery and reinvestment act**

Claudia PELLEGRIN: École Polytechnique Fédérale de Lausanne

Co-Author(s): Gaétan de Rassenfosse, Emilio Raiteri

**Un-packing eco-design: New evidence on eco-innovation and design from the Eurobarometer survey**

Sandro MONTRESOR: Kore University of Enna

Co-Author(s): Claudia Ghisetti

16:30 - 18:30 **Water**  
Chair: Roberto ROSON (Ca' Foscari University of Venice)

Room P2  
Thu. 16 Feb 2017

**Economic impacts of irrigation-constrained agriculture in the lower Po basin**

C. Dionisio PÉREZ-BLANCO: Fondazione Eni Enrico Mattei and Euro-Mediterranean Center on Climate Change

Co-Author(s): Elco Koks, Elisa Calliari

**Economy-wide repercussions of agricultural water buyback**

Gabriele STANDARDI: Fondazione Eni Enrico Mattei and Euro-Mediterranean Center on Climate Change

Co-Author(s): C. Dionisio Pérez-Blanco

**Modeling the future evolution of the virtual water trade network: A combination of network and gravity models**

Martina SARTORI: Ca' Foscari University of Venice

Co-Author(s): Stefano Schiavo, Andrea Fracasso, Massimo Riccaboni

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**Linkages between ecosystem services and the economic accounts. A case study for water purification in Europe**

Alessandra LA NOTTE: Joint Research Centre - European Commission  
Co-Author(s): Silvana Dalmazzone

**Beyond water stress: Structural adjustment and macroeconomic consequences of the emerging water scarcity**

Roberto ROSON: Ca' Foscari University of Venice  
Co-Author(s): Richard Damania

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16:30 - 18:30	<b>Discounting, risk and uncertainty</b> Chair: Valeria COSTANTINI (University of Roma Tre)	Room P3 Thu. 16 Feb 2017
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**Climate change, catastrophes and dismal theorem: a critical review**

Andrea RAMPA: University of Rome Tor Vergata and FAO

**Climate engineering under deep uncertainty and heterogeneity**

Vassiliki MANOUSSI: Fondazione Eni Enrico Mattei and Euro-Mediterranean Center on Climate Change  
Co-Author(s): Anastasios Xepapadeas, Johannes Emmerling

**How do households discount over centuries? Evidence from Singapore's private housing market**

Eric FESSELMAYER, National University of Singapore  
Co-Author(s): Haoming Liu, Alberto Salve

**Time variant risk preferences in agriculture: Evidences from Italy**

Martina BOZZOLA: ETH Zurich, Agricultural Economics and Policy Group  
Co-Author(s): Salvatore Di Falco, Robert Finger

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16:30 - 18:30	<b>Energy and climate policies</b> Chair: TBD	Room P57 Thu. 16 Feb 2017
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**Presentation by Enel Green Power**

Speaker TBD

**SDGs in Italy: Current status and the process towards the National Strategy on Sustainable Development**

Fabio EBOLI: Italian Ministry of Environment, Land and Sea – TA Sogesid  
Co-Author(s): Anna Bombonato, Cecilia Camporeale, Gionata Castaldi, Mara Cossu, Daniel Franco, Alessandro Giovannelli, Luca Grassi, Mario Iannotti, Simona Insabella, Greti Lucaroni, Pierluigi Manziona, Andrea Molocchi, Antonia Oriani, Karima Oustadi, Francesca Papini, Patrizia Pennazza, Aldo Ravazzi, Federica Rolle

**The effects of the removal of EHS on the Italian economic system**

Gionata CASTALDI: Italian Ministry of Environment, Land and Sea – TA Sogesid  
Co-Author(s): Carlo Orecchia

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**The economic impacts on energy markets from the worldwide and potential European exploitation of unconventional gas and oil**

Alessandro CHIODI: E4SMA S.r.l

Co-Author(s): Maurizio Gargiulo, Francesco Gracceva, Amanda Spisto

**Environmental external costs of Italian sectors of activity. A comparison with environmentally harmful subsidies and environmental taxes**

Andrea MOLOCCHI: Italian Ministry of Environment, Land and Sea – TA Sogesid

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20:30 - 22:30      **SOCIAL DINNER – Ristorante Cacciani (Frascati)**

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**FEBRUARY 17th 2017 – FRIDAY**

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08:45 - 9:45      **REGISTRATIONS**

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09:45-10:45      **KEYNOTE LECTURE 2** Room TL  
**Shanti GAMPER-RABINDRAN**, University of Pittsburgh  
**Political and legal institutions in energy transition: the case of shale in the US**  
 Chair: Laura CASTELLUCCI, University of Rome Tor Vergata

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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      **Climate Change: Impacts, Mitigation and Adaptation** Room P1  
 Chair: Edilio VALENTINI (University G. D'Annunzio of Chieti Pescara)

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**Water resources used in agricultural crops: Improving management in presence of climate changes**

Sabrina AUCI: University of Palermo

Co-Author(s): Donatella Vignani

**Deforestation rate in the long-run: the case of Brazil**

Sergio VERGALLI: University of Brescia

Co-Author(s): Luca Di Corato, Michele Moretto

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**Impact of climate change on malaria: A quantile regression analysis**

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

**Tales from the tails: Sector-level carbon intensity distribution**

Baran DODA: London School of Economics

11:15 - 13:15

**Energy Prices and Regulation**

Chair: Aldo RAVAZZI DOUVAN (Italian Ministry of Environment, Land and Sea – TA Sogesid)

Room P2  
Fri. 17 Feb 2017

**"Here comes the sun" with its quality-adjusted price index**

Tarek HARCHAoui: University of Groningen  
Co-Author(s): Niek Scholze

**Development and deployment of clean electricity technologies in Italy: A preliminary assessment of the EU climate and energy framework using a CGE model**

Carlo ORECCHIA: Italian Ministry of Environment, Land and Sea – TA Sogesid  
Co-Author(s): Fabio Eboli

**Effects of vintage differentiated environmental regulations: Evidence from survival analysis of coal-fired power plants**

Daniel COYSH: Toulouse School of Economics  
Co-Author(s): Nick Johnstone Tomasz Koźluk Miguel Cárdenas Rodríguez

**The structure of energy prices of the French manufacturing sector. Policy drivers and effects**

Giovanni MARIN: University of Urbino "Carlo Bo"  
Co-Author(s): Francesco Vona

**Pay or not to pay...that is the question! The case of arrears in energy services payments and the Turin Index**

Vito FRONTUTO: University of Torino  
Co-Author(s): Daniele Russolillo, Franco Becchis

11:15 - 13:15

**Experimental Environmental Economics**

Chair: Marcella VERONESI (University of Verona and ETH Zurich)

Room P3  
Fri. 17 Feb 2017

**Imitation through social networks in technology adoption: Experimental evidence from improved cookstoves in Mali**

Jacopo BONAN: Fondazione Eni Enrico Mattei and Euro-Mediterranean Center on Climate Change  
Co-Author(s): Pietro Battiston, Jaimie Bleck, Philippe LeMay-Boucher, Stefano Pareglio, Bassirou Sarr, Massimo Tavoni

**On the determinants of food waste: A lab experiment**

Andrea SERNA CASTAÑO: University of Rome "Tor Vergata" and Linus EKMAN: University of Copenhagen  
Co-Author(s): Marco Piovesan, Linus Ekman

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**The impact of cash mobs in the vote with the wallet game: Experimental results**

Francesco SALUSTRI: University of Rome "Tor Vergata"

Co-Author(s): Leonardo Becchetti, Maurizio Fiaschetti

**Social identity, attitudes towards cooperation, and social preferences: Evidence from Switzerland**

Marcella VERONESI: University of Verona and ETH Zurich

Co-Author(s): Devesh Rustagi

11:15 - 13:15

**Emission Trading and Climate Markets**

Chair: Alessio D'AMATO (University of Rome Tor Vergata)

Room P4

Fri. 17 Feb 2017

**Emission benchmark setting in the materials sector: An analytical framework**

Vera ZIPPERER: DIW Berlin

Co-Author(s): Misato Sato, Karsten Neuhoff

**Evaluating output based allocation of pollution permits using a free permit rule**

Federica COELLI: University of Oslo

**In and out of the market: ETS and technological innovation in a dynamic evolutionary model**

Gianluca IANNUCCI: University of Florence

Co-Author(s): Angelo Antoci, Simone Borghesi and Paolo Russu

**Climate financial bubbles: How market sentiments shape the transition to low-carbon capital**

Emanuele CAMPIGLIO: Vienna University of Economics and Business

Co-Author(s): Elena Dawkins, Antoine Godin, Eric Kemp-Benedict

13:15 - 13.30

**AWARD and CLOSING CEREMONY**

Room TL

Fri. 17 Feb 2017

13:30 - 14:45

**LUNCH**

14:45 - 15:15

**TRANSFER TO the University of Rome Tor Vergata Botanical Garden**

15:15 - 16:30

**SOCIAL EVENT – Visit to the University of Rome Tor Vergata Botanical Garden**

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