# Programme

# IAERE

## Italian Association of Environmental and Resource Economists

## Seventh Annual Conference

February 7th-8th, 2019 - Udine

University of Udine, Department of Economics and Statistics "DIES"

UNIVERSITÀ DEGLI STUDI DI UDINE

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**With the support of**

ITALIAN MINISTRY FOR THE ENVIRONMENT LAND AND SEA

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*Co-funded by Italian Ministry of Environment, Land and Sea "Bando snsvs1 - NP 22 – 'Settima Conferenza Annuale dell'Associazione Italiana degli Economisti dell'Ambiente e delle Risorse Naturali (IAERE), Udine, 7-8 febbraio 2019'"*

# Committees

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Antonio Massarutto (chair, University of Udine)
Francesco Marangon (vice chair, University of Udine)
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Sergio Vergalli (University of Brescia)
Mariangela Zoli (University of Rome "Tor Vergata")

# Programme

## FEBRUARY 7th, 2019 – THURSDAY

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| 8:30 – 9:00 | **REGISTRATIONS** | |
| 9:00 – 9:30 | **OPENING CEREMONY**<br>Chair: Antonio MASSARUTTO (University of Udine)<br>Andrea GARLATTI (Director of Department of Economics and Statistics (DIES), University of Udine)<br>Massimo CANALI (DG Environment and Energy, Friuli Venezia Giulia Region)<br>Francesco MARANGON (University of Udine)<br>Simone BORGHESI (IAERE President, University of Siena and EUI – Italy) | Room Aula 1 |
| 9:30 – 10:30 | **KEYNOTE LECTURE**<br>Phoebe KOUNDOURI, Athens University of Economics and Business and London School of Economics<br>**Ambiguity Aversion, Modern Bayesianism and Small Worlds**<br>Chair:<br>Simone BORGHESI (IAERE President, University of Siena and EUI – Italy) | Room Aula 1 |
| 10:30 – 11:00 | **COFFEE BREAK** (Entrance of Aula 1) | |
| 11:00 – 13:00 | **PARALLEL SESSIONS 1** | |
| 11:00 – 13:00 | **CLIMATE CHANGE: SOCIO-ECONOMIC IMPACTS I**<br>Chair: Matilde GIACCHERINI (University of Rome 'Tor Vergata' – Italy) | Room C<br>Thu. 7 Feb 2019 |

**The Impact of Temperature on Labor Quality: Umpire Accuracy in Major League Baseball**
Eric Fesselmeyer (National University of Singapore)

**Climate change and its economy-wide impact in Uganda: future labour supply projections through nutrition intake**
Chiara ANTONELLI (University of Rome 'Tor Vergata' – Italy)
Co-authors: Manuela Coromaldi, Shouro Dasgupta, Soheil Shayegh, Johannes Emmerling

**Should they stay or should they go? Climate Migrants and Local Conflicts**
Cristina CATTANEO (RFF-CMCC European Institute on Economics and the Environment – Italy)
Co-authors: Valentina Bosetti and Giovanni Peri

**When a (particulate) matter strikes the city. The social disparities in the health costs of air pollution**
Matilde GIACCHERINI (University of Rome 'Tor Vergata' – Italy)
Co-authors: Joanna Kopinska and Alessandro Palma

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11:00 – 13:00 **ENERGY POLICIES** Room A
Chair: Raffaele MINIACI (University of Brescia – Italy) Thu. 7 Feb 2019

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**Adaptation to climate change through electricity demand and air conditioning**
Enrica DE CIAN (Ca' Foscari University of Venice – CMCC – Italy)
Co-authors: Randazzo Teresa, Mistry Malcolm

**Investing in electricity production under a reliability options scheme**
Fulvio FONTINI (University of Padua – Italy)
Co-authors: Tiziano Vargiolu, Dimitrios Zormpas

**The Impact of Fuel Taxation and Vehicle Production Subsidies in A Dynamic Two-Period Vintage Model**
Xiaoxiao MA (Durham University – UK)

**Does climate influence households' thermal comfort decisions?**
Filippo PAVANELLO (Ca' Foscari University of Venice – Italy)
Co-authors: Enrica De Cian, Teresa Randazzo, Malcolm Mistry, Marinella Davide

**The role of travel behavior, knowledge and environmental concerns on electric car choice: a comparative experiment between Italy and Slovenia**
Lucia ROTARIS (University of Trieste – Italy)
Co-authors: Romeo Danielis, Marco Giansoldati, Mariangela Scorrano

**Combining Census and EPCs Data to Map Fuel Poverty in Italy: A Small Scale Analysis**
Raffaele MINIACI (University of Brescia – Italy)
Co-authors: Riccardo Camboni, Alberto Corsini, Paola Valbonesi

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11:00 – 13:00 **NATURAL RESOURCES AND ECOSYSTEM SERVICES I** Room I
Chair: Andri BRENNER (University Potsdam, MCC Berlin – Germany) Thu. 7 Feb 2019

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**Water scarcity and migration flows in a dynamic North-South model**
Gianluca IANNUCCI (University of Florence – Italy)
Co-authors: Simone Borghesi

**Can food loss reduction in Europe help to fight hunger and environmental problems globally?**
Roberto ROSON (Ca' Foscari University of Venice, Bocconi University Milan, Loyola University Seville)
Co-authors: Wolfgang Britz, Yaghoob Jafari, Hasan Dudu

**Copper at the crossroads: How the low-carbon energy transition will interact with an old and indispensable metal.**
Clément BONNET (IFP Energies Nouvelles and EconomiX – France)
Co-authors: Samuel Carcanague, Emmanuel Hache, Gondia Sokhna Seck, Marine Simoën

**Resource games, rights, and rents**
Sjur Didrik FLÅM (University of Bergen – Norway)

**Density and the Environment (Preliminary Version)**
Andri BRENNER (University Potsdam, MCC Berlin – Germany)

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11:00 – 13:00 **BEHAVIOUR AND PREFERENCES TOWARDS THE ENVIRONMENT I** Room N
Chair: Hend GHAZZAI (Mediterranean School of Business – Tunis) Thu. 7 Feb 2019

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**Heterogeneity of social information programs: the role of identity and values**
Jacopo BONAN (Politecnico di Milano and EIEE – Italy)
Co-authors: Cristina Cattaneo, Giovanna d'Adda, Massimo Tavoni

**Photovoltaic Smart Grids in the prosumers investment decisions: a real option model.**
Marta CASTELLINI (University of Brescia – Italy)
Co-authors: Francesco Menoncin, Michele Moretto, Sergio Vergalli

**Encouraging Sustainable Consumption in Emerging Countries? Field Experiment in Colombian Supermarkets**
Andrea SERNA CASTAÑO (University of Rome 'Tor Vergata' – Italy)

**Unveiling the "sustainable consumption" perspective: what shapes environmental attitudes?**
Chiara FRANCO (University of Pisa – Italy)
Co-authors: Claudia Ghisetti

**Ecolabels: Is more information better?**
Hend GHAZZAI (Mediterranean School of Business – Tunis)
Co-authors: Rim Lahmandi-Ayed

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11:00 – 13:00 **RESEARCH AND DEVELOPMENT AND TECHNOLOGICAL CHANGE** Room "Tomadini"
Chair: Massimiliano MAZZANTI (University of Ferrara – Italy) Thu. 7 Feb 2019

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**Innovation and Climate Change Adaptation: An Analysis of the Agricultural Firms' Efficiency**
Emanuela COROMALDI (University of Rome 'Nicolò Cusano' – Italy)
Co-authors: Sabrina Auci, Nicolò Barbieri, Melania Michetti

**Environmental policy stringency and international collaboration in inventive activity: evidence from the wind power sector**
Francesco GRANELLA (Bocconi University and European Institute on Economics and the Environment – Milan – Italy)
Co-authors: Elena Verdolini

**The determinants of eco-innovation in banks**
Davide ANTONIOLI (University of Chieti-Pescara – Italy)
Co-authors: Giuliana Birindelli, Stefano Dell'Atti, Antonia Patrizia Iannuzzi

**Environmental Corporate Social Responsibility and R&D: a theoretical approach**
Sara ORNATI (Nottingham Trent University UK)

**A nonparametric analysis of green inventions and environmental policies**
Massimiliano MAZZANTI (University of Ferrara – Italy)
Co-authors: Antonio Musolesi

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|---|---|---|
| 11:00 – 13:00 | **SPECIAL SESSION – AGRICULTURE AND ENVIRONMENT I**<br>Chair: Mara THIENE (University of Padua – Italy) | Room E<br>Thu. 7 Feb 2019 |

**Can latent variables explain non attendance in water customer's surveys?**
Cristiano FRANCESCHINIS (University of Padova – Italy)
Co-authors: Mara Thiene, Riccardo Scarpa

**Willingness to pay for land-use based climate adaptation: the case of the Garda river lake**
Linda ARATA (Università Cattolica del Sacro Cuore – Milan – Italy)
Co-authors: Francesca Diluiso, Gianni Guastella, Stefano Pareglio, Paolo Sckokai

**Are farmers willing to save irrigation water? First results from a choice experiment in Apulia region**
Giacomo GIANNOCCARO, (University of Bari 'Aldo Moro' – Italy)
Co-authors: Luigi Roselli, Ruggiero Sardaro, Rossella De Vito, Bernardo C. De Gennaro

**The monetary value of irrigated agriculture: an estimation for benefits in Italy**
Francesco MARANGON (University of Udine – Italy)
Co-authors: Antonio Massarutto, Marinella Favot, Stefania Troiano

**How the Agri-environmental Schemes do impact in Northern Italy? A Propensity Score Matching DID approach applied to 2008-2016 FADN data**
Davide VIAGGI (Alma Mater Studiorum University of Bologna)

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Co-authors: Matteo Zavalloni, Meri Raggi, Riccardo D'Alberto

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| 11:00 – 13:00 | **SPECIAL SESSION – INDUSTRY AND THE ENVIRONMENT I**<br>Chair: Antonio MASSARUTTO (University of Udine – Italy) | Room F<br>Thu. 7 Feb 2019 |

**Checking heterogeneous country effects in the OECD**
Saptorshee CHAKRABORTY (University of Ferrara) Energy Intensity and Green Energy Innovation:

**Recycling yttrium from spent lamps: how economically viable is it within the circular economy paradigm?**
Marinella FAVOT (University of Udine – Italy)
Co-author: Antonio MASSARUTTO

**Building a new market: taxonomy of business models for climate services**
Francesca LAROSA (Ca' Foscari University & Euro-Mediterranean Centre on Climate Change –Italy)
Co-author: Jaroslav Mysiak

**Pollution Haven Effect and Porter Hypothesis: on the importance of firms' heterogeneity to account for the relationship between environmental regulation, eco-innovation and exports**
Chiara LODI (University of Ferrara – Italy)
Co-author: Silvia Bertarelli

**Waste recycling policies in a Bayesian E-DSGE model**
Amedeo ARGENTIERO (University of Rome 'Tor Vergata' – Italy)
Co-authors: Bruno Chiarini, Alessio D'Amato, Mariangela Zoli

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| 13:00 – 14:30 | **LUNCH** (Fondazione Renati, Via Tomadini, 13 – In front of DIES ) | |

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| 14:30 – 15:30 | **IAERE General Assembly of Members** | Room "Tomadini"<br>Thu. 7 Feb 2019 |

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| 15:30 – 17:30 | **PARALLEL SESSIONS 2** | Thu. 7 Feb 2019 |

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| 15:30 – 17:30 | **NATURAL RESOURCE AND ECOSYSTEM SERVICES II**<br>Chair: Pauli LAPPI (Ca' Foscari University of Venice, and CMCC – Italy) | Room A<br>Thu. 7 Feb 2019 |

**A new approach to capturing the spatial dimensions of value within choice experiments**
Tomas BADURA (Centre for Social and Economic Research on the Global Environment, University of East Anglia – UK)
Co-authors: Silvia Ferrini, Michael Burton, Amy Binner, Ian J. Bateman

**Energy for adaptation: connecting the Paris Agreement with the Sustainable Development Goals**
Marinella DAVIDE (Ca' Foscari University of Venice – Italy)
Co-authors: Enrica De Cian, Alexis Bernigaud

**The Second Report on the State of Natural Capital in Italy: preliminary economic assessment of ecosystem services**
Fabio EBOLI (Italian Ministry of Environment, Land and Sea / TA Sogesid – Rome – Italy)
Co-authors: Alessio Capriolo, Alessandra La Notte, Greti Lucaroni, Giacomo Pallante

**On optimal extraction under asymmetric information over reclamation costs**
Pauli LAPPI (Ca' Foscari University of Venice, and CMCC – Italy)

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15:30– 17:30 **WASTE** Room C
Chair: Antonio MASSARUTTO (University of Udine – Italy) Thu. 7 Feb 2019

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**"Optimal" food waste: A lab experiment**
Linus EKMAN BURGMAN (Linköping University – Sweden)
Co-authors: Alessio D'Amato, Andrea Serna Castaño

**Is pricing municipal waste effective? Evidence for heterogeneous effects in Italy**
Marica VALENTE (Humboldt University Berlin and DIW Berlin – Germany)

**Doggy bag? Yes, please. On the use of social norms and default to reduce food waste**
Mariangela ZOLI (University of Rome 'Tor Vergata' – Italy)
Co-authors: Matilde Giaccherini, Marianna Gilli, Susanna Mancinelli

**The Determinants of Waste Crime: Empirical Evidence from Italy**
Emanuele MILLEMACI (University of Messina – Italy)
Co-authors: Daniela Andreatta, Serena Favarin, Maurizio Lisciandra

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15:30 – 17:30 **MARKET ADAPTATION** Room E
Chair: Francesco BOSELLO (University of Milan and Centro EuroMediterraneo sui Cambiamenti Climatici – Italy) Thu. 7 Feb 2019

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**Time Evolution of a Differentiated Oligopoly: The Case of Sustainable Wine**
Lucia SBRAGIA (Durham University Business School – UK)
Co-authors: Michèle Breton

**Trade, biomass energy consumption and CO2 emissions: New evidence from a panel of emerging and frontier countries**

Tullio GREGORI (University of Trieste – Italy)
Co-authors: Mariangela Scorrano, Marco Giansoldati

**Inequality, Growth and the Environment: A Reappraisal**
Francesco NICOLLI (European University Institute – Florence – Italy)
Co-authors: Francesco Vona, Marianna Gilli

**The economic implications of Nationally Determined Contributions: a global analysis on growth and competitiveness**
Francesco BOSELLO (University of Milan and Centro EuroMediterraneo sui Cambiamenti Climatici – Italy)
Co-authors: Carlo Carraro, Ramiro Parrado

**Sustainable innovation in smart cities: insights into propensity to invest of stakeholders**
Silvia TOMASI (University of Bolzano / Eurac Research – Trento – Italy)

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15:30 – 17:30 **TRANSPORT AND MOBILITY** Room F
Chair: Lucia ROTARIS (University of Trieste) Thu. 7 Feb 2019

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**Bad Weather and Flight Delays: The Impact of Sudden and Slow Onset Weather Events**
Stefan BORSKY (University of Graz – Austria)
Co-authors: Christian Unterberger

**Evaluating the impact of urban road pricing on the use of green transport modes: the case of Milan**
Elisabetta CORNAGO (OECD – Paris – France)
Co-authors: Alexandros Dimitropoulos, Walid Oueslati

**Speed limits and vehicle accidents in urban areas: The impact of 30 km/h limit zones**
Davide CERRUTTI (ETH Zürich – Switzerland)
Co-authors: Massimo Filippini

**Patterns of urban spatial expansion in European cities**
Gianni GUASTELLA (Fondazione Eni Enrico Mattei – Milan – Italy)
Co-authors: Stefano Pareglio, Walid Oueslati

**Congestion Externality and Autonomous Vehicles**
Alberto IOZZI (University of Rome 'Tor Vergata' – Italy)
Co-authors: Federico Boffa, Alessandro Fedele

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15:30 – 17:30 **CLIMATE CHANGE: SOCIO-ECONOMIC IMPACTS II** Room I
Chair: Silvana DALMAZZONE (University of Torino) Thu. 7 Feb 2019

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**The economic impact of weather and climate**
Marco LETTA (Sapienza University of Rome – Italy)
Co-authors: Pierluigi Montalbano, Richard S.J. Tol

**A Chink in the Armour: How strong European economies are threatened by climate change**
Shouro DASGUPTA (Fondazione CMCC and Ca' Foscari University of Venice)
Co-authors: Jessie Granadillos, Fahad Saeed, and Malcolm Mistry

**Demographic Change and Climate Change**
Michael RAUSCHER (Rostock University – Germany)

**Don't forget climate sentiments: real and financial markets' reactions to climate risks**
Dunz NEPOMUK (Vienna University of Economics and Business / International Institute for Applied Systems Analysis)
Co-authors: Irene Monasterolo, Marco Raberto

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| 18:00 – 20:00 | **SOCIAL EVENT – DIOCESAN MUSEUM AND TIEPOLO GALLERIES**<br>Meeting point: h 18:00 – Palazzo Arcivescovile – Piazza del Patriarcato, 1 Udine |

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| 20:00 | **SOCIAL DINNER – "Casa della Contadinanza" Udine Castle**<br>Piazzale Castello, 2 – Udine |

## FEBRUARY 8th, 2019 – FRIDAY

8:30 – 9:00 **REGISTRATIONS**

9:00 – 11:00 **PARALLEL SESSIONS 3**

9:00 – 11:00 **MARINE AND WATER RESOURCES** Room "Tomadini"
Chair: Elena LAGOMARSINO (University of Genoa – Italy) Fri. 8 Feb 2019

**Estimating irrigation water use efficiency: A stochastic production frontier approach**
Kamar ALI (University of Lethbridge – Canada)

**Nature strikes back: the case of the rising groundwater levels in Naples and the cost of not having considered it**
Laura CASTELLUCCI (University of Rome 'Tor Vergata' – Italy)
Co-authors: Vincenzo Allocca, Manuela Coromaldi, Elisabetta Marzano

**Green vs. Gray Infrastructures for coastal protection: a choice experiment in the Maddalena Archipelago National Park**
Rossella ATZORI (University of Cagliari – Italy)
Co-authors: Rossella Atzori, Silvia Ferrini, Sandro De Muro

**The effectiveness of marine protected areas to conserve marine ecosystem services and biodiversity**
Stefania TONIN (IUAV University – Venice – Italy)

**Detecting attribute non-attendance in Discrete Choice Experiments concerning Marine Protected Areas: a cross-check approach**
Elena LAGOMARSINO (University of Genoa – Italy)
Co-authors: Barbara Cavalletti, Matteo Corsi

9:00 – 11:00 **CLIMATE CHANGE AND POLICY INSTRUMENTS** Room B
Chair: Carlo ORECCHIA (Italian Ministry of the Environment Land and Sea / TA Sogesid – Rome– Italy) Fri 8 Feb 2019

**Climate Policies and Skill-Biased Employment Dynamics: Evidence from EU Countries**
Francesco VONA (OFCE Sciences-Po – Nice – France)
Co-authors: Giovanni Marin

**The removal of fossil fuel subsidies in Italy and interactions with the 2030 EU climate and energy framework**
Carlo ORECCHIA (Italian Ministry of the Environment, Land and Sea / TA Sogesid – Rome – Italy)
Co-authors: Gionata Castaldi

**Alternatives to Green Growth: The EUROGREEN Model as a Tool for Policy Design**
André CIEPLINSKI (University of Pisa – Italy)
Co-authors: Simone D'Alessando, Tiziano Distefano, Kristofer Dittmer

**GHG emission mitigation, transition costs and international spillovers**
Francesca DILUISO (Fondazione Eni Enrico Mattei – Milan – Italy)
Co-authors: Barbara Annicchiarico, Fabio Di Dio

**Discrepancies between Environmental Kuznets Curves for Production- and Consumption-Based CO2 Emissions**
Igor MAKAROV (National Research University Higher School of Economics – Moscow Russia)

**Disaster Risk Management: Building the Disaster Risk Assessment Tool' for Italy**
Giovanni MARIN (University of Urbino 'Carlo Bo' – Italy)
Co-authors: Marco Modica, Susanna Paleari, Roberto Zoboli

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09:00 – 11:00 **CIRCULAR ECONOMY** Room A
Chair: Jacopo ZOTTI (University of Trieste – Italy) Fri. 8 Feb 2019

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**Write circular economy, read economy's circularity. How to avoid going in circles**
Jacopo ZOTTI (University of Trieste – Italy)
Co-authors: Andrea Bigano

**Employment and performance effects of Circular Economy Innovations**
Horbach JENS (Augsburg University of Applied Sciences – Lichtenfels – Germany)
Co-authors: Christian Rammer

**Specialization, diversification and environmental technology life-cycle**
Nicolò BARBIERI (University of Ferrara – Italy)
Co-authors: Francois Perruchas, Davide Consoli

**Natural resources and economic growth - The circular economy contribution**
Marco COMPAGNONI (Area Science Park – Trieste – Italy)

**Does "financing-as-usual" still matter for circular economy practices? Evidence from European Small and Medium-size Enterprises (SMEs)**
Sandro MONTRESOR (Kore University of Enna – Italy)
Co-authors: Claudia Ghisetti

9:00 – 11:00 **BEHAVIOUR AND PREFERENCES TOWARDS THE ENVIRONMENT II** Room N
Chair: Sandra NOTARO (University of Trento – Italy) Fri. 8 Feb 2019

**Intergenerational Sharing of Non-Renewable Resources: An Experimental Study Using Rawls's Veil of Ignorance**
Stephan WOLF (University of Freiburg – Germany)
Co-authors: Cameron Dron

**Preferences of tourists for nature conservation in Alpine environments: Differences across regions, conservation programs, and socio-economic groups**
Michael GETZNER (Vienna University of Technology – Austria)

**Are millennials sustainable conscious fashion consumers? Some evidences from Italian students.**
Stefania TROIANO (University of Udine – Italy)
Co-authors: Michela Mason

**Exploring the Influence of an Extended Theory of Planned Behaviour on Preferences and Willingness to Pay for Participatory Natural Resources Management**
Sandra NOTARO (University of Trento – Italy)
Co-authors: Gianluca Grilli

9:00 – 11:00 **SPECIAL SESSION – INDUSTRY AND THE ENVIRONMENT II** Room D
Chair: Elisa BARBIERI (Ca' Foscari University of Venice – Italy) Fri. 8 Feb 2019

**Estimation and analysis of indirect subsidies for quarrying: effects of regions policy choices on environment and biodiversity**
Greti LUCARONI (Italian Ministry of Environment, Land and Sea / TA Sogesid – Rome – Italy)
Co-author: Luca Grassi

**Quality competition and environmental damage in a vertically differentiated duopoly: is there a role for green culture?**
Ornella TAROLA (University of Rome 'La Sapienza'– Italy)
Co-Authors: Augusto Cerqua, Guido Pellegrini

**The Italian Water Sector: Efficiency and Regulation**
Daniele BORTOLOTTI (University of Udine – Italy)
Co-author: Antonio Massarutto

**From production to consumption: an inter-sectoral analysis of air emissions external costs in Italy**
Andrea MOLOCCHI (Ministry of Environment, Land and Sea / TA Sogesid – Rome – Italy)

9:00 – 11:00 **SPECIAL SESSION – AGRICULTURE AND ENVIRONMENT II** Room E
Chair: Gianluigi GALLENTI (University of Trieste – Italy) Fri. 8 Feb 2019

**Green consciousness as a determinant of organic food purchase intention: evidences from a case study in Italy**
Gianluigi GALLENTI (University of Trieste – Italy)
Co-authors: Federico Nassivera, Marta Cosmina, Matteo Carzedda

**The effect of policy leveraging climate change adaptive capacity in agriculture**
Michele MORETTI (Gembloux Agro-Biotech – Hasselt – Belgium)
Co-authors: Janka Vanschoenwinkel, Steven Van Passel

**The Dynamics of Sugarcane Supply Response in Transitional Economy**
Zeeshan MUSTAFA (Faculty of Economics and Business Administration, University of Szeged, Hungary)

**How to test charity hazard in agricultural insurance systems? Evidence from Italy**
Pier Paolo MIGLIETTA (Università del Salento – Lecce – Italy)
Co-Authors: Pierluigi Toma, Giulio Fusco

**Macroeconomic costs of agricultural droughts: evidence for Italy**
David GARCIA-LEON (Ca' Foscari University of Venice – Italy)
Co-authors: Gabriele Standardi

11:00 – 11:30 **COFFEE BREAK** (Poster Hall Aula 1)

11:30 – 12:30 **POSTER SESSION** Poster Hall Aula 1
Fri. 8 Feb 2019

**Acceptance of Biogas in Italy. An analysis on the social approval of new plants**
Andrea Rampa, Massimiliano Mazzanti, Marco Modica

**Applying Environmental Accounting for assessing the value4money of Miramare Marine Protected Area**
Francesca Visintin, Elisa Tomasinsig, Maurizio Spoto, Saul Ciriaco, Donatella Samec

**Environmental Degradation and Comparative Advantage Reversal**
Giulio Galdi

**Heterogeneity in income-waste relation: modelling a different approach**
Matteo Mazzarano

**Mines and quarries: An analysis of some determinants of withdrawals in Italy**
Sabrina Auci, Donatella Vignani

**Modelling maladaptation in the inequality-environment nexus**
Elisa Ticci, Angelo Antoci, Paolo Russu

**New breeding techniques and sustainable food production: a consumer choice experiment**
Francesco Marangon, Federico Nassivera, Matteo Carzedda

**Public preferences for post 2020 agri-environmental policy in the Czech Republic: a choice experiment approach**
Ioanna Grammatikopoulou, Dava Vackarou, Tomas Badura

**The dynamics of land use change associated to biobased products: focus on the economic effects**
Diego Marazza, Enrico Balugani, Roberto Porcelli

**The Economic and Environmental Impacts of Food Waste And Loss: A Case Study of Cameroon**
Catherine Ebangha Bechem, Stefania Troiano

**The role of structural reforms in the energy sector in enhancing green growth**
Gionata Castaldi, Alessandra Marcelletti

**Virtual Water Trade: a cross-country empirical investigation with institutional perspective**
Elena Vallino, Francesco Laio, Luca Ridolfi, Marta Tuninetti

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|---|---|---|
| 12:30 – 14:00 | **LUNCH** (Fondazione Renati, Via Tomadini, 13 – In front of DIES) | |
| 14:00 – 15:00 | **KEYNOTE LECTURE**<br>Stefan AMBEC, Toulouse School of Economics (France)<br>**Challenges in the energy transition**<br>Chair: Antonio MASSARUTTO University of Udine) | Room "Tomadini"<br>Fri. 8 Feb 2019 |
| 15:00 – 15:30 | **AWARD and CLOSING CEREMONY**<br>Chair: Simone BORGHESI, IAERE President, University of Siena.<br>Antonio MASSARUTTO University of Udine)<br>Francesco MARANGON (University of Udine)<br>Sergio VERGALLI (IAERE President-Elect, University of Brescia) | Room "Tomadini"<br>Fri. 8 Feb 2019 |

17:00 – 19:30

**SIDE EVENT (In Italian, open)**
**I CAMBIAMENTI CLIMATICI:**
**SFIDE E OPPORTUNITÀ PER L'ITALIA E IL FRIULI VENEZIA GIULIA**

Room "Tomadini"
Fri. 8 Feb 2019

Partecipano:
Simone BORGHESI (Università di Siena)
Francesco BOSELLO (Università Statale di Milano)
Alfredo de GIROLAMO (ISPRA, Roma)
Stefano MICHELETTI (ARPA – Friuli Venezia Giulia)

Moderano:
Francesco MARANGON (Università di Udine)
Antonio MASSARUTTO (Università di Udine)

Concluderà i lavori un intervento dell'Assessore regionale all'Ambiente ed Energia della Regione Friuli Venezia Giulia, Fabio SCOCCIMARRO