

# Final Programme



# IAERE

Italian Association of Environmental  
and Resource Economists

## Tenth IAERE Annual Conference & First MED-IAERE Conference

21<sup>st</sup>-23<sup>rd</sup> April 2022, Cagliari

### Organised by



Università degli  
Studi di Cagliari



### Sponsored by



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Elisabetta Strazzera (Chair of the 10th IAERE Annual Conference, co-chair MED-IAERE Conference)  
Simone Borghesi (Chair of the MED-IAERE Conference, co-chair 10th IAERE Annual Conference)  
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## Useful information

### NOTES ABOUT THIS CONFERENCE PROGRAMME

All sessions will be available online. In the following pages, **In person** indicates that all presentations will be in person, **Online** indicates that all presentations will be held online, and **Hybrid** indicates that some presentations will be in person and others online.

### IAERE2020 Telegram Channel



A IAERE2022 private channel has been created on Telegram to allow the participants to receive notification in real time.

Join it at: <https://bit.ly/2FLhDyX>

## Programme Overview

Thursday 21 April	
14:30-15:00	Registrations
15:00-15:30	Opening ceremony
<b>15:30-16:30</b>	<b>IAERE KEYNOTE LECTURE</b> Maria LOUREIRO
16:30-17:00	<i>Coffee break</i>
<b>17:00-19:00</b>	<b>IAERE PARALLEL SESSION 1</b>

Friday 22 April	
8:30-9:00	Registrations
<b>9:00-11:00</b>	<b>IAERE PARALLEL SESSION 2 + MED-IAERE PARALLEL SESSION 1</b>
11:00-11:30	<i>Coffee break</i>
<b>11:30-13:30</b>	<b>IAERE PARALLEL SESSION 3 + MED-IAERE PARALLEL SESSION 2</b>
13:30-14:30	<i>Lunch</i>
<b>14:30-15:30</b>	<b>IAERE KEYNOTE LECTURE</b> Timo GOESCHL
<b>15:30-16:30</b>	<b>IAERE General Assembly of Members</b>
<b>16:30-17:30</b>	<b>IAERE AWARD and CLOSING CEREMONY</b>
18:00-19:45	Social Event: Visit to Botanical Garden
20:00-	Social Dinner

Saturday 23 April	
8:30-9:00	Registrations
9:00-11:00	<b>MED- IAERE POSTER SESSION</b>
	Coffee and pastries
	<b>10:00-11:00</b> <b>MED-IAERE POLICY ROUND TABLE</b>  Which policies to address the water- energy-food nexus in the Med area?
11:00- 11:30	<i>Coffee break</i>
<b>11:30- 12:30</b>	<b>MED-IAERE KEYNOTE LECTURE</b> Carlo CARRARO
<b>12:30- 13:30</b>	<b>MED-IAERE COUNTRY- REPRESENTATIVES' ROUND TABLE</b>  Common problems, common solutions? Cooperation perspectives among environmental economists in the Med area
<b>13:30</b>	<b>MED-IAERE CLOSING CEREMONY</b>

# Final Programme

## APRIL 21<sup>ST</sup>, 2022

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14:30 – 15:00	<b>REGISTRATIONS</b>	<b>ROOM A</b>
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15:00 – 15:30	<b>OPENING CEREMONY</b> Institutional greetings	<b>ROOM A</b>
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15:30 – 16:30	<b>IAERE KEYNOTE LECTURE</b> Maria LOUREIRO (University of Santiago de Compostela) <b>Sensing climate change and energy transition issues with social big data</b> Chair: Elisabetta STRAZZERA (University of Cagliari)	<b>ROOM A</b>
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16:30 – 17:00	<b>COFFEE BREAK</b>	<b>TERRACE - CAFÈ</b>
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17:00 – 19:00	<b>IAERE PARALLEL SESSION 1</b>	
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17:00 – 19:00	<b>AGENT-BASED MODELLING, ENERGY TRANSITION AND CLIMATE CHANGE</b> Chair: Ivan SAVIN (Autonomous University of Barcelona)	Session 1 (Hybrid) <b>ROOM E (LAW DEPT.)</b>
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### **Charging the macroeconomy with an energy sector: an agent-based model**

Emanuele CIOLA (Fondazione Eni Enrico Mattei)

Co-authors: Enrico Maria Turco, Davide Bazzana, Sergio Vergalli, Francesco Menoncin, Andrea Gurgone

### **Macroeconomic policy to stay below 2°C with sustainable growth**

Francesco LAMPERTI (Sant'Anna School of Advanced Studies & RFF-CMCC EIEE)

Co-authors: Claudia Wieners, Giovanni Dosi, Andrea Roventini, Roberto Buizza

### **Assessing the double materiality of climate financial risks in the euro area economy and banking sector**

Andrea MAZZOCCHETTI (Ca' Foscari University of Venice)

Co-authors: Irene Monasterolo, Regis Gourdel, Nepo Dunz, Laura Parisi

### **Co-dynamics of climate policy stringency and public support**

Ivan SAVIN (Autonomous University of Barcelona)

Co-authors: Theo Konc, Stefan Drews, Jeroen van den Bergh

17:00 – 19:00	<p><b>ENVIRONMENTAL POLICY: REGULATIONS, MARKET INSTRUMENTS, UNCERTAINTY</b> Chair: Alessio D'AMATO (University of Rome Tor Vergata &amp; SEEDS)</p>	<p>Session 1 (In person) <b>ROOM 11</b></p>
<p><b>Italian Catalogue of Environmentally Harmful and Friendly Subsidies (EHS-EFS): main findings from the fourth edition, 2019-2020 data</b></p>		
<p>Aldo RAVAZZI DOUVAN &amp; Nicolò TRIA (MITE &amp; Sogesid) Co-authors: Giulia Dramis, Federico Drogo, Luca Grassi, Mario Iannotti, Greti Lucaroni, Luisa Nenci, Antonia Oriani, Giulia Romano</p>		
<p><b>Does environmental policy uncertainty deter low-carbon technology FDI inflows to the US?</b> Laura NOWZOHOUR (Graduate Institute Geneva) Co-authors: Joelle Noailly</p>		
<p><b>Believe me when I say green! Heterogeneous expectations and climate policy uncertainty</b> Roberta TERRANOVA (RFF-CMCC EIEE) Co-authors: Emanuele Campiglio, Francesco Lamperti</p>		
<p><b>Timing and commitment of environmental policy with an eco-industry</b> Roberta SESTINI (Sapienza - University of Rome) Co-authors: Donatella Pugliese</p>		
<p><b>Unburdening regulation: the impact of regulatory simplification on photovoltaic adoption in Italy</b> Stefano CLÒ (University of Florence) Co-authors: Federica Daniele, Alessandra Pasquini, Enza Maltese</p>		
17:00 – 19:00	<p><b>AWARENESS AND BEHAVIOR</b> Chair: Lorenzo MONTRONE (Mercator Research Institute on Global Commons and Climate Change)</p>	<p>Session 1 (Hybrid) <b>ROOM 5</b></p>
<p><b>Can stated-preference support Water Safety Plans? Evidences from Italy</b> Antonio MASSARUTTO (University of Udine) Co-authors: Giulia Roder, Stefania Troiano</p>		
<p><b>Do subjective perceptions shape adaptation to climate change? Evidence from Bangladesh</b> Guglielmo ZAPPALÀ (Paris School of Economics)</p>		
<p><b>Did the COVID-19 pandemic speed up a transition away from coal? An expert elicitation survey</b> Lorenzo MONTRONE (Mercator Research Institute on Global Commons and Climate Change) Co-authors: Jan Christoph Steckel, Lina Maria Puerto Chaves, Gregory Nemet</p>		
<p><b>What are households willing to pay to increase drinking water quality? Results from a meta-analysis benefit-transfer application to PFAS water pollution in Veneto Region, Italy</b> Francesco Jacopo PINTUS (University of Padova &amp; CRIEP)</p>		
17:00 – 19:00	<p><b>PREFERENCES, ATTITUDES AND PRO-ENVIRONMENTAL BEHAVIOURS</b> Chair: Sandra NOTARO (University of Trento)</p>	<p>Session 1 (Hybrid) <b>ROOM 12</b></p>

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**Socio-psychological models predicting the intention to adopt sustainable household energy systems**

Ferdinando FORNARA (University of Cagliari)

Co-authors: Sara Manca, Oriana Mosca, Daniela Meleddu, Elisabetta Strazzera

**The role of individual variables and purchasing habits in determining milk consumers' preferences and choices**

Oriana MOSCA (University of Cagliari)

Co-authors: Valentina Merlino, Stefano Massaglia, Danielle Borra, Ferdinando Fornara

**Integrated Designs for increased Efficiencies in Advanced climatically tunable renewable energy Systems: willingness to pay and drivers of choice in Italy and Ireland**

Davide CONTU (Canadian University Dubai)

Co-authors: Ferdinando Fornara, Daniela Meleddu, Elisabetta Strazzera

**What determines consumers' behavior in water and electricity markets: is price an effective deterrence mechanism?**

Lígia PINTO (University of Minho)

Co-authors: Paulo Ramísio, Marieta Valente

**Consumer reaction to information on micro-plastic content in food: how communicating information with a positive or negative framework affect preferences**

Sandra NOTARO (University of Trento)

Co-authors: Simone Cerroni, Rodolfo M. Nayga

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17:00 – 19:00

**FIRMS AND TRADE**

Chair: Giovanni MARIN (University of Urbino Carlo Bo)

Session 1

(In person)

**ROOM 7**

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**Voluntary environmental information disclosure and firms' performance: evidence from the Italian manufacturing sector**

Manuela COROMALDI (University of Rome Niccolò Cusano)

Co-authors: Valentino Parisi

**The impact of hydro-geological hazards on Italian firms**

Francesco DAVID (Bank of Italy)

Co-authors: Stefano Clò, Samuele Segoni

**The EU ETS's time-varying impact on competitiveness and investments: evidence from Dutch manufacturing**

Konstantin SOMMER (University of Amsterdam)

Co-authors: Leon Bremer

**Strategic co-optimization on the Italian day-ahead and ancillary services markets: implications for the phase out of coal and for the path towards carbon neutrality**

Ilaria LIVI (Fondazione Eni Enrico Mattei)

Co-authors: Federico Pontoni, Filippo Del Grosso, Edoardo Somenzi

**The impact of EU-ETS on trade: evidence on Italian manufacturing firms**

Giovanni MARIN (University of Urbino Carlo Bo)

Co-authors: Giulio Dal Savio, Andrea Locatelli, Alessandro Palma

17:00 – 19:00	<b>HEALTH, POLLUTION AND THE ENVIRONMENT (III)</b> Chair: Nadia BURANI (University of Bologna)	Session 1 (In person) <b>ROOM 6</b>
	<b>The dark side of batteries: child labor and cobalt mining in the Democratic Republic of the Congo</b> Maurizio MALPEDE (Bocconi University & University of Verona)	
	<b>The site is closed! Waste facilities, mortality, and socio-economic consequences</b> Claudio DEIANA (University of Cagliari) Co-authors: Ludovica Giua	
	<b>Kuznets and the cities: urban level EKC evidence from Europe</b> Massimiliano RIZZATI (Fondazione Eni Enrico Mattei) Co-authors: Nicolò Florenzio, Gianni Guastella, Stefano Pareglio	
	<b>Work accidents and air pollution</b> Alessandro PALMA (Gran Sasso Science Institute) Co-authors: Domenico Depalo	
	<b>Does a green network effect lower global pollution emissions?</b> Nadia BURANI (University of Bologna) Co-authors: Andrea Mantovani	
17:00 – 19:00	<b>SOCIO-ECONOMIC CONSEQUENCES OF CLIMATE CHANGE</b> Chair: Marcella VERONESI (Technical University of Denmark & University of Verona)	Session 1 (In person) <b>ROOM A</b>
	<b>Income, wages and the impact of weather: evidence from half-million American storm</b> Matteo CORONESE (Sant'Anna School of Advanced Studies) Co-authors: Federico Crippa, Francesco Lamperti, Francesca Chiaromonte, Andrea Roventini	
	<b>Forecasting the climate-conflict nexus in Africa under SSPs scenarios</b> Elena PAGLIALUNGA (University of Urbino Carlo Bo) Co-authors: Caterina Conigliani, Valeria Costantini, Andrea Tancredi	
	<b>Can weather shocks give rise to a poverty trap? Evidence from Nigeria</b> Giulia MALEVOLTI (University of Florence & University of Trento)	
	<b>The effect of climate change on economic growth: a Structural Global Vector Autoregressive approach</b> Chiara CASOLI (Fondazione Eni Enrico Mattei) Co-authors: Maryam Ahmadi, Matteo Manera, Daniele Valenti	
	<b>Trust, temperature fluctuations, and migration</b> Marcella VERONESI (Technical University of Denmark & University of Verona) Co-authors: Stefano Carattini	
17:00 – 19:00	<b>SPECIAL SESSION ON AGRICULTURE AND THE ENVIRONMENT (I)</b> Chair: Alessandro PETRONTINO (University of Bari Aldo Moro)	Session 1 (Online) <b>FEEM 1</b>

**Evidence of pesticide dependence in perennial crops: an empirical test based on Italian FADN crop-**

**level data**

Edoardo BALDONI (Joint Research Centre Seville)

Co-authors: Federico Antonioli

**A methodology to calculate the resource cost of agricultural water**

Francesco SAPINO (University of Salamanca)

Co-authors: Carlos Dionisio Pérez-Blanco

**A global appraisal of the effects of climate shocks on food prices and monetary policy**

Maria Teresa TRENTINAGLIA (University of Milan)

Co-authors: Lucia Baldi, Alessandro Gobbi, Massimo Peri

**Relationship between forest ecosystem services and civil society. A survey in the Western Alps**

Simone BLANC (University of Turin)

Co-authors: Stefano Bruzzese, Valentina Maria Merlino, Filippo Brun

**Ornamental Nursery at the time of Xylella fastidiosa. Assessing the economic and environmental sustainability of innovations**

Alessandro PETRONTINO (University of Bari Aldo Moro)

Co-authors: Francesco Bozzo, Claudio Acciani, Vincenzo Fucilli, Michel Frem, Giovanni Tricarico, Antonio Mizzi, Emanuela Tria, Roberta Coronelli, Massimo D'Aprile

**APRIL 22<sup>ND</sup>, 2022**

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08:30 – 09:00      **REGISTRATIONS**      **ROOM A**

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09:00 – 11:00      **IAERE PARALLEL SESSION 2**

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	<b>HEALTH, POLLUTION AND THE ENVIRONMENT (I)</b>	Session 2
09:00 – 11:00	Chair: Alessio D'AMATO (University of Rome Tor Vergata & SEEDS)	(In person)
		<b>ROOM E</b>
		<b>(BOTANICAL DEPT.)</b>

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**Climate, weather, and child health in Burkina Faso**

Shouro DASGUPTA (Fondazione CMCC & Ca' Foscari University of Venice)

Co-authors: Elizabeth J.Z. Robinson

**Early childhood effect of Chernobyl accident on woman fertility**

Matilde GIACCHERINI (University of Rome Tor Vergata)

Co-authors: Joanna Kopinska

**Temperature and mental health: evidence from Helpline calls**

Benedikt JANZEN (University of Bern)

**Air pollution, environmental crime and health: an empirical investigation on Italian provinces**

Alessio D'AMATO (University of Rome Tor Vergata & SEEDS)

Co-authors: Anna Rita Germani, Giorgia Marini



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09:00 – 11:00	<p align="center"><b>SPECIAL SESSION ON AGRICULTURE AND THE ENVIRONMENT (II)</b></p> <p>Chair: Silvia GRANATO (Joint Research Centre of the European Commission)</p>	<p>Session 2 (Hybrid) <b>ROOM 11</b></p>
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**Community composting for sustainable food waste management**

Francesca MELUCCI (University of Bari Aldo Moro)

Co-authors: Rocco Roma, Annalisa De Boni, Claudio Acciani

**Farmland economic value and the sustainability of a bird community**

Germán SÁNCHEZ ARCE (University of Lleida)

Co-authors: Montserrat Viladrich-Grau

**Modelling biodiversity in the agri-food supply chain: exploring the potential of the Agent-Based model approach**

Marta VERZA (University of Bologna)

Co-authors: Luca Camanzi, Luca Mulazzani, Giulio Malorgio

**How to promote the collective uptake of agri-environmental schemes by farmers? A review of the literature**

Simone PIRAS (James Hutton Institute)

Co-authors: Laure Kuhfuss, Sharon Flanigan, Cathy Hawes, Graham Begg

**Measuring sustainability of agriculture in European countries: a multicriteria approach for assessing progress within SDG2**

Lucia ROCCHI (University of Perugia)

Co-authors: Antonio Boggia, Luisa Paolotti

**The role of the EU CAP in the adoption of risk-mitigating strategies in agriculture: evidence from a Generalised Propensity Score approach**

Silvia GRANATO (Joint Research Centre of the European Commission)

Co-authors: Carlo Bottoni, Annalisa Frigo

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09:00 – 11:00	<p align="center"><b>FOOD AND THE ENVIRONMENT</b></p> <p>Chair: Carlo Andrea BOLLINO (University of Perugia)</p>	<p>Session 2 (In person) <b>ROOM 5</b></p>
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**The effect of EU Carbon tariffs on the UK food trade market and emissions: a micro-simulation with a Structural Gravity Model**

Elena BENEDETTI (Northumbria University)

Co-authors: Luca Panzone, John Wildman, Chris Seal

**The effects of gasoline prices on food purchases: quantity, quality and heterogeneity**

Ondine BERLAND (INRAE)

Co-authors: Fabrice Etilé

**Playing with the Mediterranean Diet: may little changes benefit the environment without compromising health?**

Enrica Nadia FROLA (University of Milan)

Co-authors: Cavaliere Alessia, Elisa De Marchi, Jacopo Bacenetti, Francesca Orlando, Alessandro Banterle

**Forests as a safety net for nutrition following a weather shock: who benefits from it?**

Jessica MEYER (Erudite - Université Paris-Est Créteil)

**On the water-energy-food nexus: is there multivariate convergence?**

Carlo Andrea BOLLINO (University of Perugia)

Co-authors: Marzio Galeotti

09:00 – 11:00

**FIRMS AND INNOVATION**

Chair: Andrea PRONTI (Catholic University of Milan)

Session 2

(Hybrid)

**ROOM A**

**Digital technologies and eco-innovations. Evidence of the “twin transition” from Italian firms**

Sandro MONTRESOR (Gran Sasso Science Institute)

Co-authors: Antonio Vezzani

**Green innovation and financing constraints**

Alessandro SPIGANTI (Ca' Foscari University of Venice)

Co-authors: Emanuele Campiglio, Anthony Wiskich

**Factor-eliminating technical change in a resource economy**

Daniel HAERLE (VU Amsterdam)

Co-authors: Gerard van der Meijden

**Trading for economies of scale: the cost efficiency of cap-and-trade in common-pool resources**

Phuong HO (Norwegian School of Economics)

**Multidimensional impact of negative emissions’ research reveals sizeable and heterogeneous spillovers**

Giorgio TRIPODI (Scuola Normale Superiore)

Co-authors: Francesco Lamperti, Roberto Mavilia, Andrea Mina, Francesca Chiaromonte, Fabrizio Lillo

**The 'Good Farmer' concept and the diffusion of innovations for sustainable development in rural Africa**

Andrea PRONTI (Catholic University of Milan)

Co-authors: Susanna Mancinelli, Massimiliano Mazzanti, Luca Crudeli

09:00 – 11:00

**ENVIRONMENTAL MACROECONOMICS**

Chair: Daniele VALENTI (Fondazione Eni Enrico Mattei &  
University of Milan)

Session 2

(Hybrid)

**ROOM 12**

**What is the shape of Environmental Engel Curves? Evidence using panel data**

Stefan WÖHRMÜLLER (University of Amsterdam)

**Environmentally extended input-output analysis in complex networks: a multilayer approach**

Giorgio RIZZINI (University of Milano-Bicocca)

Co-authors: Gian Paolo Clemente, Alessandra Cornaro, Rosanna Grassi

**Recycling in a sustainable framework**

Etienne LORANG (INRAE)

**“Carbon” boards and transition risk: explicit and implicit exposure implications for total stock returns and dividends payouts**

Matteo MAZZARANO (University of Siena)

Co-authors: Gianni Guastella, Stefano Pareglio, Anastasios Xepapadeas, Simone Borghesi

**The Effects of population, technology and affluence on CO2 emissions in the global economy**

Daniele VALENTI (Fondazione Eni Enrico Mattei & University of Milan)

Co-authors: Veronica Lupi, Marzio Galeotti

09:00 – 11:00

**CLIMATE CHANGE ADAPTATION**

Chair: Michael RAUSCHER (University of Rostock)

Session 2

(In person)

**ROOM 7**

**The negative environmental impacts of climate change adaptation in agriculture**

Niccolò PARISSI (University of Trento)

**AgriImOnIA: Agriculture Impact On Italian Air Quality**

Paolo MARANZANO (University of Milano-Bicocca)

Co-authors: Riccardo Borgoni, Michela Cameletti, Alessandro Fassò, Francesco Finazzi, Alessandro Fusta Moro, Andrea Gilardi, Natalia Golini, Rosalba Ignaccolo, Philipp Otto, Jacopo Rodeschini, Qendrim Shaboviq, Alessandro Vaglio

**Adaptation to climate change: air-conditioning and the role of remittances**

Filippo PAVANELLO (University of Bologna & CMCC)

Co-authors: Teresa Randazzo, Enrica De Cian

**A cost-benefit assessment associated to the climate adaptation measures listed in the CAMBIA Library**

Simonetta DE LEO (CREA)

Co-authors: Giulia Villani, Guido Bonati, Antonella Di Fonzo, Sabrina Giuca, Antonio Volta, Gabriele Antolini, Alice Vecchi

**Planting new varieties in viticulture under conditions of climate change: a dynamic stochastic investment model**

Michael RAUSCHER (University of Rostock)

09:00 – 11:00

**CLIMATE CHANGE AND REDISTRIBUTIONAL EFFECTS**

Chair: Andrea RAMPA (Ministry of Economic Affairs and Finance)

Session 2

(Online)

**FEEM 2**

**Too different to get along: inequality and international environmental agreements**

Margherita BELLANCA (Ca' Foscari University of Venice)

Co-authors: Alessandro Spiganti

**How to redistribute the revenues from climate policy? A dynamic perspective with heterogeneous households**

Ulrich EYDAM (University of Potsdam)

Co-authors: Francesca Diluiso

**Precipitation anomalies non-linearly affect income inequality**

Elisa PALAGI (Sant'Anna School of Advanced Studies)

Co-authors: Matteo Coronese, Francesco Lamperti, Andrea Roventini

**Labour in the Circular Economy: a catalyst towards sustainable development**

Julie METTA (KU Leuven)

**The distributional incidence of diesel differential removal in Italy, in time of post-pandemic recovery**

Andrea RAMPA (Ministry of Economic Affairs and Finance)

Co-authors: Chiara Antonelli, Gionata Castaldi

09:00 – 11:00	<b>CLIMATE CHANGE IMPLICATIONS FOR COUNTRIES AND FINANCE</b> Chair: Francesco BOSELLO (University of Venice)	Session 2 (Online) <b>FEEM 3</b>
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**Assessing macro-economic effects of climate impacts on energy demand in EU sub-national regions**

Gabriele STANDARDI (CMCC)

Co-authors: Shouro Dasgupta, Ramiro Parrado, Enrica De Cian, Francesco Bosello

**Surging sovereign spreads: the impact of rising seas on sovereign risk**

Atreya DEY (University of Edinburgh)

**Climate change, conflicts and resilience in Eastern Sub-Saharan Africa**

Mariagrazia D'ANGELI (University of Urbino Carlo Bo)

Co-authors: Federica Cappelli, Valeria Costantini, Giovanni Marin, Elena Paglialonga

**The impact of climate transition risks on financial stability. A systemic risk approach**

Javier OJEA-FERREIRO (Joint Research Centre of the European Commission)

Co-authors: Juan C. Reboredo, Andrea Ugolini

**Macroeconomic implications of climate change in the EU: a country and sub national assessment**

Francesco BOSELLO (University of Venice)

Co-authors: Ramiro Parrado, Gabriele Standardi

09:00 – 11:00 **MED-IAERE PARALLEL SESSION 1**

09:00 – 11:00	<b>MED-IAERE SESSION (I) - CLIMATE CHANGE AND ECOSYSTEM SERVICES</b> Chair: Chiara LODI (University of Urbino Carlo Bo)	(Hybrid) <b>ROOM 6</b>
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**Fiscal policy response of local governments to floods in Italy**

Chiara LODI (University of Urbino Carlo Bo)

Co-authors: Giovanni Marin, Marco Modica

**Climate shocks and job displacement. Evidence from Morocco.**

Giacomo PALLANTE (ENEA)

Co-authors: Federica Alfani, Vasco Molini, Alessando Palma

**The economic value of land-based ecosystem services: a spatially explicit approach for Portugal**

João SEIXO (Nova School of Business and Economics)

Co-authors: Carina Vieira da Silva, Maria A. Cunha-e-Sá

**Crowdfunding vs. Taxes: does the payment vehicle influence WTP for ecosystem services protection?**

Margarida ORTIGÃO (Nova School of Business and Economics)

Co-authors: Carina Vieira Da Silva, Ana Faria, Til Dietrich, Luís Catela Nunes, Renato Rosa, Maria A. Cunha-e-Sá

**Climate variability and urban heat islands: an empirical efficiency analysis for the Italian main cities**

Sabrina AUCL (University of Palermo)

Co-authors: Donatella Vignani

11:00 – 11:30 **COFFEE BREAK**

**TERRACE - CAFÈ**

11:30 – 13:30 **IAERE PARALLEL SESSION 3**

11:30 – 13:30 **THE VALUATION OF ECOSYSTEM SERVICES FOR PUBLIC POLICY  
AND ENVIRONMENTAL ACCOUNTING**

Chair: Silvia FERRINI (CSERGE, University of East Anglia)

Session 3  
(*In person*)

**ROOM E  
(BOTANICAL DEPT.)**

**Mapping, valuing and accounting for habitat and species maintenance in Europe**

Alessandra LA NOTTE (Joint Research Centre of the European Commission)

Co-authors: Silvia Ferrini, Ioanna Grammatikopoulou, Gaetano Grilli

**A payment scheme for the ecosystem services of mountain grasslands embedded in dairy products. a stated preference investigation**

Elena LAGOMARSINO (University of Salerno)

Co-authors: Barbara Cavalletti, Matteo Corsi

**Small is beautiful: visitors' and firms' willingness to commit to a protected area**

Marta MELEDDU (University of Sassari & CRENoS)

Co-authors: Manuela Pulina, Ilaria Sale, Marco Vannini, Marilena Vecco

**Estimating willingness to pay for Alpine Pastures: a discrete choice experiment accounting for attribute non-attendance**

Maria DE SALVO (University of Catania)

Co-authors: Roberta Raffaelli, Sandra Notaro

**Exploring the role of choice experiments in ecosystem accounting and management: a simulated exchange value approach**

Silvia FERRINI (CSERGE, University of East Anglia)

Co-authors: Gaetano Grilli, Tiziana Luisetti, Kerry Turner

11:30 – 13:30 **SPECIAL SESSION ON AGRICULTURE AND THE ENVIRONMENT  
(III)**

Chair: Gioacchino PAPPALARDO (University of Catania)

Session 3  
(*In person*)

**ROOM A**

**Dance for the rain or pay for insurance? An empirical analysis of the Italian crop insurance market**

Luca CITINO (Bank of Italy)

Co-authors: Alessandro Palma, Matteo Paradisi

**Tofu desert and neighborhood effects: what explain variations of food price elasticities?**

Zhaoxin LIU (VU Amsterdam)

**Factors fostering and hindering farmers' intention to adopt organic agriculture: a case study in the Pesaro Urbino province (Italy)**

Selene RIGHI (University of Urbino Carlo Bo)

Co-authors: Maurizio Canavari, Federico Gori, Elena Viganò

**Droughts and deforestation: does seasonality matter?**

Giulia VAGLIETTI (Climate Economic Chair, INRAE & University of Lorraine)

Co-authors: Philippe Delacote, Antoine Leblois

**Do forest conservation policies undermine the soybean sector in the Brazilian Amazon? Evidence from the blacklisting of municipalities**

Léa CREPIN (Université Paris-Saclay)

**Assessment of economic cost for distributing microfiltered liquid digestate on Mediterranean crops**

Gioacchino PAPPALARDO (University of Catania)

Co-authors: Roberta Selvaggi, Ettore Trimarchi

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**CLIMATE ECONOMY AND WEF E**

Session 3

11:30 – 13:30

Chair: Marta CASTELLINI (University of Brescia & Fondazione Eni Enrico Mattei)

(Hybrid)

**ROOM 12**

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**Literature review of macroeconomic models for WEF E nexus assessment**

Marta CASTELLINI & Chiara CASTELLI (Fondazione Eni Enrico Mattei & University of Brescia)

Co-authors: Emanuele Ciola, Camilla Gusperti, Ilenia Gaia Romani, Sergio Vergalli

**A regional integrated assessment model of climate and the economy: which role for the Mediterranean region?**

Veronica LUPI & Camilla GUSPERTI (University of Milan & Fondazione Eni Enrico Mattei)

Co-authors: Chiara Castelli, Marta Castellini, Sergio Vergalli

**A general framework for the generation of probabilistic socioeconomic scenarios and risk quantification concerning food security with application in the Upper Nile river basin**

Georgios PAPAYIANNIS (Hellenic Naval Academy)

Co-authors: Phoebe Koundouri, Achilleas Vassilopoulos, Athanasios N. Yannacopoulos

**Attributing changes in food insecurity to a changing climate**

Elizabeth ROBINSON (London School of Economics)

Co-authors: Shouro Dasgupta

**Alternative water sources, food security and ecosystems in the Mediterranean: what we have learned and the way forward**

Ruslana PALATNIK (Yezreel Valley College)

Co-authors: Orna Raviv, Julia Sirota, Mordechai Shechter

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**WATER RESOURCES**

Session 3

11:30 – 13:30

Chair: Elena VALLINO (University of Turin)

(Hybrid)

**ROOM 6**

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**Illusory water decoupling: a case of study in the eastern plain of Naples, Italy**

Marco DE SIMONE (University of Naples Parthenope)

Co-authors: Vincenzo Allocca, Elisabetta Marzano

**Smart meters and gamification: a field experiment to promote water saving in the metropolitan area of Milan**

Sabrina RUBERTO (University of Florence)

Co-authors: Stefano Clò, Tommaso Reggiani

**Potential economic value of seasonal forecasts of water flows for hydropower production.**

Elisa DELPIAZZO (CMCC, Ca' Foscari University of Venice & EIEE)

Co-authors: Carlotta Gianni, Paolo Mazzoli, Francesco Dalla Valle, Stefano Bagli

**The use of satellite data to support sewer infrastructures management**

Davide VURCHIO (University of Bari Aldo Moro)

Co-authors: Stefano Clò

**Economic water scarcity and virtual water trade in Africa**

Elena VALLINO (University of Turin)

Co-authors: Silvana Dalmazzone, Francesco Laio, Luca Ridolfi

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11:30 – 13:30

**BEHAVIOUR, ECONOMICS AND PUBLIC GOODS**

Chair: Peter MARTINSSON (University of Gothenburg & DTU)

Session 3

(Hybrid)

**ROOM 5**

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**The local provision of global public goods: the WTP for carbon sequestration in the Murano Glass District**

Laura ONOFRI (University of Padova)

Co-authors: Anil Markandya, Marcantonio Brandolini d'Adda

**Time on the road and the price of gasoline: evidence from ATUS and NHTS**

Valeria DI COSMO (University of Turin)

Co-authors: Anna Alberini, Marco Horvath

**Representation, peer pressure and punishment in a public goods game**

Alessandro TAVONI (University of Bologna)

Co-authors: Hyoyoung Kim, Doruk İriş, Jinkwon Lee

**Time and waste recycling**

Giulio GALDI (University of Trento)

Co-authors: Francesco Nicolli, Chiara Franco

**Pledges and cooperation: does it matter if a pledge is vague or precise?**

Peter MARTINSSON (University of Gothenburg & DTU)

Co-authors: Ann-Kathrin Koessler

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11:30 – 13:30

**CARBON TAXES AND TRADING SCHEMES**

Chair: Vito FRONTUTO (University of Turin)

Session 3

(Hybrid)

**ROOM 11**

**Effects of carbon tax on electricity price volatility: empirical evidence from the Australian market**

Nicola COMINCIOLI (University of Brescia & Fondazione Eni Enrico Mattei)

Co-authors: Mattia Guerini, Sergio Vergalli

**The impact of the EU Carbon Border Adjustment Mechanism and the presence of cross-hauling: the case of Italy**

Gionata CASTALDI (Ministry of Economy and Finance)

Co-authors: Carlo Orecchia

**The interplay between carbon abatement and transferring of allowances in the EU ETS**

Andrea FLORI (Polytechnic University of Milan)

**Time-weighted difference-in-differences: accounting for common factors in short T Panels**

Timo SCHENK (University of Amsterdam)

**Distributional impacts of the extension of the EU-ETS to transport fuels**

Vito FRONTUTO (University of Turin)

Co-authors: Silvana Dalmazzone, Stefano Menegat

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	<b>HEALTH, POLLUTION AND THE ENVIRONMENT (II)</b>	Session 3
11:30 – 13:30	Chair: Carmen AINA (University of Eastern Piedmont)	(Online)
		<b>FEEM 2</b>

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**Quantifying secondhand smoke health risks in U.S. and U.K.**

Eleanya NDUKA (University of Warwick)

**Pollution, life expectancy and inequality: the role of health investments and environmental maintenance**

Anna DUGAN (University of Graz)

**Including the change in natural capital stock and environmental degradation in Peruvian mining GDP and NNP**

Carlos ORIHUELA (National Agrarian University - La Molina)

Co-authors: Victor Chumpitaz

**Natural disasters and fertility in African countries: evidence on the role of contraception and wealth**

Nathan DELACRÉTAZ (University of Neuchâtel)

Co-authors: Bruno Lanz

**The effect of climate on birth rates in Italian municipalities**

Carmen AINA (University of Eastern Piedmont)

Co-authors: Enrico Ferrero, Laura Sigalotti

11:30 – 13:30	<b>MED-IAERE PARALLEL SESSION 2</b>	
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	<b>MED-IAERE SESSION (II) - ECOLOGICAL TRANSITION</b>	(Hybrid)
11:30 – 13:30	Chair: Laura CAVALLI (Fondazione Eni Enrico Mattei)	<b>ROOM 7</b>

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**Macroeconomic and climate impacts of the Next Generation EU**



Francesca DILUIISO (Mercator Research Institute on Global Commons and Climate Change - MCC)  
Co-authors: Ottmar Edenhofer, Matthias Kalkuhl

**Clustering environmental performances, energy efficiency and clean energy patterns: a comparative static approach across EU Countries**

Marco QUATROSI (University of Ferrara)

**Strategies and drivers of eco-innovations in the circular context: the case of Italian SMEs**

Emy ZECCA (University of Ferrara)

Co-authors: Massimiliano Mazzanti, Andrea Pronti

**Besides promising economic growth, will the National Recovery and Resilience Plan of Italy also produce fewer emissions?**

Ilenia Gaia ROMANI (University of Brescia & Fondazione Eni Enrico Mattei)

Co-authors: Marzio Galeotti, Alessandro Lanza

**Sustainability assessment of ROPs investments – Application to Mediterranean island regions**

Laura CAVALLI (Fondazione Eni Enrico Mattei)

Co-authors: Mia Alibegovic, Edward Cruickshank, Marco Onnis, Sandro Sanna

13:30 – 14:30 **LUNCH**

**TERRACE - CAFÈ**

**IAERE KEYNOTE LECTURE**

Timo GOESCHL (Heidelberg University)

14:30 – 15:30

**The behavioral economics of extreme event attribution**

**ROOM A**

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

15:30 – 16:30

**IAERE GENERAL ASSEMBLY OF MEMBERS**

**ROOM A**

**IAERE AWARD AND CLOSING CEREMONY**

16:30 – 17:30

Chair: Alessio D'AMATO (IAERE President, University of Rome Tor Vergata & SEEDS)

**ROOM A**

**SOCIAL EVENT**

18:00 – 19:45

Visit to Botanical Garden (*Viale Sant'Ignazio da Laconi, 9-11*)

**SOCIAL DINNER**

20:00 –

Restaurant Niu Cafè – Bistrot (*Via Roma, 133 – 6<sup>th</sup> Floor La Rinascente*)

**APRIL 23<sup>RD</sup>, 2022**

08:30 – 09:00 **REGISTRATIONS**

**ROOM A**

09:00 – 11:00 **MED-IAERE PROJECTS POSTER SESSION**

**TERRACE - CAFÈ**

**VERSUS+ Heritage for people**

Funded by EU Creative Europe Programme

Presenter: Maddalena ACHENZA (University of Cagliari)

**WECAREMED - ToWards thE CARbon offsEtting in MED**

Funded by Interreg MED

Presenter: Francesco Jacopo PINTUS (University of Padova & CRIEP)

**LIVE-HAZE: HAZELNUT INDUSTRIAL BY-PRODUCT INCLUSION IN LIVESTOCK CHAINS IN ITALY**

Funded by MIUR PRIN 2020

Presenter: Valentina Maria MERLINO (University of Turin)

**Supreme - developing tools for SUsustainable food PRoduction in mEditerranean area using MicrobEs**

Funded by ERANET-MED2

Presenter: Giovanni DE GIUDICI (University of Cagliari)

**Land system dynamics in the Mediterranean basin across scales as relevant indicator for species diversity and local food systems**

Funded by ARIMNet 2: Agricultural Research In the Mediterranean Network 2

Presenter: Marta DEBOLINI (INRAE & CMCC)

**TALANOA-WATER - Talanoa Water Dialogue for Transformational Adaptation to Water Scarcity Under Climate Change**

Funded by PRIMA-MED

Presenter: Marta DEBOLINI (INRAE & CMCC)

**IDEAS - Novel building Integration Designs for increased Efficiencies in Advanced climatically tunable renewable energy Systems**

Funded by EU Horizon 2020

Presenter: Daniela MELEDDU (University of Cagliari)

**BESTMEDGRAPE - New Business opportunities & Environmental suSTainability using MED GRAPE nanotechnological products**

Funded by EU ENI-CBC-MED

Presenter: Francesca MELONI (University of Cagliari)

**SWATCH - Strategies for increasing the WATER use efficiency of semi-arid Mediterranean watersheds and agrosilvopastoral systems under climate CHange**

Funded by PRIMA-MED

Presenter: Nicola MONTALDO (University of Cagliari)

**Si.E.S. - Sistema Energetico Sostenibile**

Funded by Regione Autonoma della Sardegna

Presenter: Augusto MONTISCI (University of Cagliari)

**Developing integrated Municipal Solid Waste Management Program for the Protection of the Saniq River Basin in Southern Lebanon**

Funded by EU ENI-CBC-MED

Presenter: Augusto MONTISCI (University of Cagliari)

**BERLIN**

Funded by EU ENI-CBC-MED

Presenter: Fabrizio PILO (University of Cagliari)

**ECO.Fire - The economic value of forest fires as support for prevention behavior**

Funded by Fundação para a Ciência e Tecnologia

Presenter: Lígia PINTO (University of Minho)

**LENSES - LEarning and action alliances for NexuS EnvironmentS in an uncertain future**

Funded by PRIMA-MED

Presenter: Tiziana PIRELLI (Centre for Agricultural Research and Economics)

**MedArtSal - Sustainable management for Mediterranean artisanal salinas**

Funded by EU ENI-CBC-MED

Presenter: Manuela PUDDU (MEDSEA Foundation)

**CuBER - Copper-based Flow Batteries for Energy Storage and Renewables Integration**

Funded by EU Horizon 2020

Presenter: Carlo RICCI (University of Cagliari)

**BLUEfasma - Empowering innovation capacity of SMEs, maritime clusters and networks in MED islands and coastal areas to support blue circular economy growth in fishing/aquaculture**

Funded by Interreg MED Programme 2014-2020

Presenter: Elisa SERRA (IMC - International Marine Centre)

**MEDISS - Mediterranean Integrated System for Water Supply**

Funded by EU ENI-CBC-MED

Presenter: Giovanni SISTU (University of Cagliari)

**MED-IAERE POLICY ROUND TABLE**

Chair: Elisabetta STRAZZERA (University of Cagliari)

**Which policies to address the water-energy-food nexus in the Med area?**

Panelists:

Phoebe KOUNDOURI (EAERE President, UN SDSN Europe, Athens University of Economics and Business)

Maria LOUREIRO (University Santiago de Compostela)

Aldo PULEO (ENI CBC Med)

Angelo RICCABONI (Chair PRIMA, Chair SDSN MED, University of Siena)

Alessio SATTA (MedWet Coordinator, President MEDSEA)

10:00 – 11:00

**ROOM A**

11:00 – 11:30

**COFFEE BREAK**

**TERRACE - CAFÈ**

11:30 – 12:30	<b>MED-IAERE KEYNOTE LECTURE</b> Carlo CARRARO (Ca' Foscari University of Venice, CMCC & IPCC) <b>Costs and benefits of Net-Zero transition</b> Chair: Simone BORGHESI (University of Siena)	<b>ROOM A</b>
12:30 – 13:30	<b>MED-IAERE COUNTRY-REPRESENTATIVES' ROUND TABLE</b> Chair: Simone BORGHESI (University of Siena) <b>Common problems, common solutions? Cooperation perspectives among environmental economists in the Med area</b> Panelists: Ivana LOGAR (Croatia) Theodoros ZACHARIADIS (Cyprus) Marie H�el�ene HUBERT (France) Ruslana Rachel PALATNIK (Israel) Alessio D'AMATO (Italy) Maria Antonieta CUNHA-E-S�A (Portugal) Alejandro CAPARROS (Spain) Sevil ACAR (Turkey)	<b>ROOM A</b>
13:30	<b>MED-IAERE CLOSING CEREMONY</b>	<b>ROOM A</b>