



XIII IAERE ANNUAL CONFERENCE

Rome, 20th and 21st of February 2025

PROGRAMME

Department of Economics
School of Economics and Business Studies
University of Roma Tre



Roma Tre



Dipartimento
di Economia

With the support of



EAERE

European Association
of Environmental and
Resource Economists



WORLD BANK GROUP

INSTITUTE FOR ECONOMIC DEVELOPMENT



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Conference summary

Thursday, 20th February 2025

08:00 REGISTRATIONS OPEN

09:00 CONFERENCE OPENING

09:30 KEYNOTE SPEECH

10:30 - 11:00 COFFEE BREAK

11:00 - 13:00 PARALLEL SESSIONS 1

Session 1.1 - Climate change and the global environment I

Session 1.2 - Climate change and welfare impacts

Session 1.3 - Climate-related extremes and labour market

Session 1.4 - Ecosystem services and natural resources I

Session 1.5 - Energy I

Session 1.6 - Environment, inequality and wealth distribution

Session 1.7 - Environmental macroeconomics and development I

Session 1.8 - Environmental regulation and policy I

Session 1.9 - EU ETS

Session 1.10 - Political economy and the environment I

Session 1.11 - Special session: Markets and regulation in Italy

13:00 - 14:00 LUNCH AND POSTER SESSION

14:00 - 16:00 PARALLEL SESSIONS 2

Session 2.1 - Climate-related impacts and policies

Session 2.2 - Eco-innovation and firms

Session 2.3 - Emission reduction and technologies

Session 2.4 - Environment and international linkages

Session 2.5 - Special session World Bank Institute for Economic Development: Environmental challenges in developing countries

Session 2.6 - Labour market and firms' productivity in the twin transition I

Session 2.7 - Law and economics

Session 2.8 - Political economy and the environment II

Session 2.9 - Socio-economic impacts of natural hazards

Session 2.10 - Special session: AISRE



Session 2.11 - Special session: ERICE (Environmental Risk for the Italian Circular Economy)

16:00 - 16:30 COFFEE BREAK

16:30 - 17:30 GENERAL ASSEMBLY

17:30 - 19:30 PARALLEL SESSIONS 3

Session 3.1 - Climate risk

Session 3.2 - Energy II

Session 3.3 - Environmental macroeconomics and development II

Session 3.4 - Environmental problems I

Session 3.5 - Experiment in environmental economics

Session 3.6 - Frontier methods in environmental economics

Session 3.7 - Green transition I

Session 3.8 - Labour market and firms' productivity in the twin transition II

Session 3.9 - Resources and critical materials

Session 3.10 - Special session: AIEAA/SIDEA

Session 3.11 - Special session: MEDAERE

Friday, 21st February 2025

08:00 REGISTRATIONS OPEN

9:00 - 11:00 PARALLEL SESSIONS 4

Session 4.1 - Agricultural economics and the environment

Session 4.2 - Climate change and the global environment II

Session 4.3 - Consumption behaviour in environmental economics

Session 4.4 - Ecosystem services and natural resources II

Session 4.5 - Environmental problems II

Session 4.6 - Environmental regulation and policy II

Session 4.7 - Green transition II

Session 4.8 - Special session World Bank Institute for Economic Development: Carbon pricing and energy transition

Session 4.9 - Structural change and natural resources evaluation

Session 4.10 - Urban, spatial, regional and transport economics

11:00 - 11:30 COFFEE BREAK

11:30 - 12:30 KEYNOTE SPEECH

12:30 - 13:00 CLOSING CEREMONY



Thursday, 20th February 2025

08:00 **REGISTRATIONS OPEN**

Ground Floor

09:00 **CONFERENCE OPENING**

Greetings from Massimiliano Fiorucci (*Rector of University Roma Tre*)

Greetings from Giorgio Resta (*Deputy Rector of University Roma Tre*)

Greetings from Saverio Maria Fratini (*President of the School of Economics and Business Studies*)

Ground Floor, AULA 1

09:30 **KEYNOTE SPEECH**

Antoine Godin (*Agence Française de Développement*): **“What role for financial instruments in developing and emerging economies’ ecological transition? A macroeconomic perspective”**

Discussant: Elina De Simone (*University of Roma Tre*)

Ground Floor, AULA 1

10:30 - 11:00 **COFFEE BREAK**

11:00 - 13:00 **PARALLEL SESSIONS 1**

First Floor, AULA 12

Session 1.1 - Climate change and the global environment I

Chair: Elisa Palagi

- Global public good agreements with fixed costs (**Francesco Furini**, Michael Finus)
- The Impacts of Climate Change on Population Health and Well-Being: an Agent-Based Integrated Assessment Model (Elisabetta Cappa, **Francesco Lamperti**, Giovanni Dosi, Andrea Roventini)
- Bridging Climate and Social Equity: Progressive Carbon Tax Simulations for Belgium (**Floore Bursens**, Silvia De Poli, Sofia Maier, Gerlinde Verbist)
- October instead of August? How heatwaves are shifting tourism travel choices in Italy (**Cecilia Castaldo**)
- Sharing is caring (and convenient): a proposal for a global climate mitigation fund (**Elisa Palagi**, Matteo Coronese, Francesco Lamperti, Andrea Roventini)

Second Floor, AULA 16

Session 1.2 - Climate change and welfare impacts



Chair: Ilan Noy

- The inequality-emission dilemma: pre-distribution vs. redistribution (**Tobias Angel**, Alexandre Berthe, Valeria Costantini, Mariagrazia D'Angeli)
- Quantifying welfare and distributional impacts of coastal barrier policies (**Wei Guo**)
- The income-wealth-emissions triangle: evidence from Italy (**Demetrio Guzzardi**, Salvatore Morelli, Marco Ranaldi, Federico Roscioli)
- Adaptation and environmental policy: is their coexistence welfare improving? (**Françeska Tomori**, Ana Espinola-Arredondo, Felix Muñoz-Garcia)
- Climate change and federal aid disbursements after Hurricane Harvey: an extreme event attribution analysis (**Ilan Noy**)

Third Floor, AULA 24

Session 1.3 - Climate-related extremes and labour market

Chair: Francesco Salustri

- Hot wages: how do heat waves change the earnings distribution? (**Giulia Valenti**, Francesco Vona)
- Weather shocks and sectoral labour reallocation in the European sub-national units (**Federico Zilia**, Paolo Nota, Alessandro Olper)
- Heat and work-related injuries: How temperature measurements affect the outcomes (**Edoardo Santoni**, Margherita Scarlato, Nicolò Barbieri, Caterina Conigliani)
- The impact of heat waves on employment transitions in Italy: evidence from quarterly survey micro-data (**Marco Biagetti**, Valerio Intraligi)
- How effective are heatwave adaptation policies? A literature review of policies supporting workers (**Francesco Salustri**, Rozana Himaz, Yuhang Pan, Tripti Singh, Jolene Skordis)

Second Floor, AULA 17

Session 1.4 - Ecosystem services and natural resources I

Chair: Chiara Lodi

- Innovative and sustainable tourism development in the alps-adriatic region (**Federica Amato**, Cristiano Franceschinis, Vanessa Jreissaty, Mara Thiene)
- The impact of embedded pan-tropical deforestation on global biodiversity (**Stella Lauro**, Marco Maria Bagliani, Silvana Dalmazzone)
- Tap vs bottled water consumption choices through a strategic game (**Claudio Mancuso**, Bruno Chiarini, Elisabetta Marzano)
- Reasons to be worried: public preferences for animal and non-animal mediated pollination systems in apple production (**Sandra Notaro**, Gianluca Grilli)
- Gender politics, environmental behaviours, and local territories: Evidence from Italian municipalities (**Chiara Lodi**, Agnese Sacchi, Francesco Vidoli)



Second Floor, AULA 18

Session 1.5 - Energy I

Chair: Katia Colaneri

- Macroeconomic Spillovers of Weather Shocks across U.S. States (**Andrea Bastianin**, Emanuele Bacchiocchi, Graziano Moramarco)
- Street green space and electricity demand: evidence from metered consumption data in Italy (**Giacomo Falchetta**, Enrica De Cian)
- Energy Audits in Italy: A Framework for quality assessment (**Martina Mancini**, Elina De Simone, Francesco Crespi, Chiara Martini, Eleonora Pierucci)
- The role of gender, anticipated regret and impatience in the adoption of low carbon technologies (**Luca Mariani**, Caterina Brandoni, Alberto Longo)
- Money's too tight to mention: energy and climate investments in a budget-constrained world (**Katia Colaneri**, Alessio D'Amato, Rüdiger Frey)

Second Floor, AULA 19

Session 1.6 - Environment, inequality and wealth distribution

Chair: Sabrina Auci

- Is circular economy inclusive? Addressing inequalities in circular consumption (**Nicolas Caballero**, Silvia Tomasi)
- The ship's tilting, me captain. Green monetary policy in a hybrid AB-SFC model with green securitisation (**Mattia Leoni**)
- An agent-based assessment of the distributional impacts and perceived fairness of the "Fit for 55" Package for Italy (**Massimiliano Rizzati**)
- We live in the same planet but are we on the same boat? Analysis of the distributive impacts of the climate crisis (**Edoardo Sala**)
- Sustainable productivity in an inclusive wealth model for Europe (**Sabrina Auci**, Laura Castellucci, Manuela Coromaldi)

Second Floor, AULA 20

Session 1.7 - Environmental macroeconomics and development I

Chair: Demis Legrenzi

- Demand-side environmental implications in a TANK model (**Nicoletta D'Alterio**, Gianluigi Cisco, Maria Ferrara)
- Replanting unproductive palm oil with smallholder plantations can help achieve Sustainable Development Goals in Sumatra, Indonesia (**Ariadna Fosch**, Guilherme Ferraz de Arruda, Alberto Aleta, Adrià Descals, David Gaveau, Courtney Morgans, Truly Santika, Matthew J. Struebig, Erik Meijaard, Yamir Moreno)
- Measuring equity in environmental care: an application to TRAP (**Elena Lagomarsino**, Antonio Abatemarco, Roberto Dell'Anno)



- Climate risks and debt default (**Federico Armando Nevola**, Barbara Annicchiarico)
- Spurring abatement investments: endogenous green preferences and social dynamics in the MATRIX model (**Demis Legrenzi**, Davide Bazzana, Emanuele Ciola, Massimiliano Rizzati, Enrico Turco, Sergio Vergalli)

Second Floor, AULA 21

Session 1.8 - Environmental regulation and policy I

Chair: Stefano Verde

- Environmental and economic effects of pay-as-you-throw waste taxation: an assessment based on diff-in-diff models (**Marco Compagnoni**, Jane Torbert)
- Can fiscal policy and environmental regulation curb CO₂ emissions? Evidence from the US (**Stefano Di Bucchianico**, Mario Di Serio, Matteo Fragetta, Giovanni Melina)
- Bidding for the environment: allocation independence in cap-and-trade systems (**Benjamin Hattemer**, Marie Alder)
- Impacts of non-linear taxes: evidence from the Dutch automobile market (**Victor Mylonas**, Alexandros Dimitropoulos, Herman Vollebergh)
- Vehicle taxes as a climate policy instrument: econometric evidence from Spain (**Stefano Verde**, Carlos Leon-Gomez, Jordi Teixido)

Second Floor, AULA 22

Session 1.9 - EU ETS

Chair: Antonia Pacelli

- Carbon trade biases and the emerging mesoscale structure of the European Emissions Trading System network (**Andrea Flori**, Alessandro Spelta)
- Who is who: financial actors and their role in the EU Emissions Trading System (**Marie Missao Raude**, Simone Borghesi, Andrea Flori)
- Speculation in the EU ETS (**Roberta Terranova**, Emanuele Campiglio, Severin Reissl)
- Effects of the European Emissions Trading Scheme on the Directions of Technological Change (**Franziska Tinnfeld**, Maria Luisa Mancusi)
- Being a New Entrant or an Incumbent Matters Emissions Abatement and the EU ETS (**Antonia Pacelli**)

First Floor, AULA 13A

Session 1.10 - Political economy and the environment I

Chair: Giuseppe Basile

- Storming the ballot box. The effect of extreme weather on electoral outcomes in Italy (**Carlo Caporali**, Cecilia Castaldo, Alessandro Palma)
- Green Financing and Ambiguity (**Marco Carli**)
- Unrepresentedness, climate concern and voting behavior: understanding youth voter turnout in European elections (**Alessandro Cascavilla**)



- Dynamic spillovers effect on ecological footprint: a degrowth perspective on G7 countries from a quantile VAR network (**Francesca Coccia**)
- The Copernicus Project for cultural heritage protection in disaster risk management: a bibliometric review (**Giuseppe Basile**, Caterina De Lucia, Alessandro Muscio, Pasquale Pazienza)

Ground Floor, AULA Tesi

Session 1.11 - Special session: Markets and regulation in Italy

Chair: Alessandro Sapio

- Drivers of small-scale and utility-scale solar photovoltaic diffusion: a municipal-scale analysis for Italy (**Stefano Clò**, Federico Martellozzo, Sabrina Ruberto)
- Compensation rules in the Italian energy communities: an experimental approach (**Valeria Di Cosmo**, Beatrice Braut, Attilio Di Sabato, Matteo Migheli)
- Measuring the environmental sustainability of Italian companies: from non-financial reporting to financial reporting, initial analyses and emerging challenges (**Monica Montella**)
- Labor market effects of climate extremes. Evidence from Italian agriculture (**Alessandro Palma**, Luca Buzzanca, Salvatore Di Falco, Giacomo Pallante)
- Economic resilience of a spatially integrated electricity market: Testing a new indicator on Italian data (**Alessandro Sapio**, Shah Munir Khan)

13:00 - 14:00 LUNCH AND POSTER SESSION

Ground Floor

- A new integrated framework to assess the impact of social farming on sustainability and rural development: A case study in Lazio (**Francesco Basset**, Francesca Giarè, Saverio Senni, Barbara Soriano)
- An Empirical Analysis of Environmental and Climate Inequalities across Italian census tracts (**Alessandra Drigo**)
- Towards Sustainable Climate-Smart Agriculture: A Cost-Benefit Analysis of a Modernized Irrigation District in Spain (**Cristina El Khoury**, Davide Bazzana, Nicola Comincioli, Demis Legrenzi, Fernando Nardi, Leonor Rodriguez-Sinobas, Daniel Segovia-Cardozo, Sergio Vergalli)
- Climate Lobbying in Transition: A Network Analysis of Key Actors and Influence Before and After the EU Green Deal (**Grazia Errichiello**, Patrizio Giganti, Marcello Falcone Pasquale)
- Local Ecological Knowledge as a Tool for Sustainable Resource Management: The Case of Bianchetto Fishing in the Mediterranean Sea (**Giulia Giacalone**, Manfredi Arbisi, Stefania Bertolazzi, Fabio Fiorentino, Vita Gancitano, Michele Luca Geraci, Tiziana Masullo, Marianna Musco, Vito Pipitone, Marco Torri, Sergio Vitale, Angela Cuttitta)



- Spatial Analysis of Hospitality Sector Vulnerability to Sea-Level Rise: A Multi-Dimensional Assessment of Veneto and Emilia-Romagna Coastal Regions (**Vilane Gonçalves Sales**)
- Policy implications of citizen science towards Sustainable Development Goals (SDGs): the example of CITYBLE (**Asia Guerreschi**, Davide Antonioli)
- Methodological and empirical challenges of SEEA EEA to address water policies at local levels. A case study for selected Italian regions (**Elena Lagomarsino**, Barbara Cavalletti)
- Grandfathering of carbon permits, emissions and industry dynamics (**Flora Marchioro**)
- The impact of Quality Infrastructure on Environmental Sustainability (**Francesco Salustri**, Carlo Pietrobelli, Ulrich Harmes-Liedke, Ann Ramkisson)
- Unveiling the Impact of Deforestation: An Input-Output model for the Chaco Province of Argentina (**Luca Sebastianelli**)
- Land, Women and Development: A Systematic Review of Causal Evidence (**Valeria Strusi**, Sara Balestri)
- Evaluating the Economic Potential of Sustainable Plant Propagation Plugs: Insights from the BBPlug Project (**Vera Ventura**, Achille Amatucci)
- The Just Energy Transition in Rural South Africa: Empirical Insights from Nighttime Light Analysis (**Johann Langenbach**, Julia Taylor)
- The impact of climate change on fisheries (**Fabio Cevenini**, Christopher Costello, Carlo Fezzi)

14:00 - 16:00 PARALLEL SESSIONS 2

First Floor, AULA 12

Session 2.1 - Climate-related impacts and policies

Chair: Ilaria Dibattista

- Valuing the costs of climate change for agriculture: The hidden role of land-use adjustments in the Ricardian approach (**François Bareille**)
- From peaks to prices: the economic impact of natural and climate amenities on Alpine real estate values (**Carolina Bonardi Pellizzari**, Luisa Eusse-Villa, Cristiano Franceschinis, Tiziano Tempesta, Mara Thiene, Daniel Vecchiato)
- Dairy, climate change, and consumer behaviour: an interdisciplinary approach (**Fabiola Onofrio**, Ilenia Vittoria Casmiri, Wojciech Malecki, Paola Spinozzi)
- Co-benefits of substance abuse regulation on temperature and intimate partner violence (**Filippo Pavanello**, Guglielmo Zappalà)
- Comparing carbon removal practices in Southern Europe: oak forests vs. bamboo in the voluntary carbon market (**Ilaria Dibattista**, Simone Bastianoni, Simone Borghesi, Matteo Mazzarano, Valentina Niccolucci, Mira Tiwari)



Second Floor, AULA 21

Session 2.2 - Eco-innovation and firms

Chair: Germana Giombini

- The role of firms and universities in knowledge networks: European evidence from Circular Bioeconomy research projects (**Fabrizio Fusillo**, Gianluca Orsatti, Francesco Quatraro, Alessandra Scandura)
- Once green, always green? An empirical analysis of firm persistence in green innovation (**Maria Luisa Mancusi**, Claudia Sartirana)
- Circular economy innovations in a 2-area input-output stock-flow consistent dynamic model (**Marco Veronese Passarella**)
- On the game of going green: how do consumers, firms, and banks struggle to escape environmental traps? (**Germana Giombini**, Elvio Accinelli, Edgar Sanchez Carrera)

Third Floor, AULA 24

Session 2.3 - Emission reduction and technologies

Chair: Marco Tedeschi

- Credit constraints, heterogeneous firms, and carbon emissions (**Mattia Guerini**, Giovanni Marin, Francesco Vona)
- The race to negative emission technologies and the centrality of big oil companies (**Linda Sabattini**, Federica Giuliani, Martina Iori, Francesco Lamperti, Giorgio Tripodi)
- Sectoral advances in green technology: a path to emission reduction (**Daniela Lena**, Marco Cucculelli)
- Energy consumption and economic growth in the policy decarbonization era. A panel data analysis (**Marco Tedeschi**, Giulio Palomba)

Second Floor, AULA 16

Session 2.4 - Environment and international linkages

Chair: Federica Cappelli

- Analysis of environmental and trade impacts of EU Regulation on deforestation free products (**Francesco Calciolari**, Marcello De Maria, Neus Escobar, Elena Paglialunga, Dirk-Jan van de Ven)
- More than just transition factor and networks behind EU regional sustainable development (**Angela Zanoni**, Valeria Costantini, Elena Paglialunga)
- Trade liberalization and green transformations within firms (**Serena Chellini**, Hylke Vandenbussche)
- Indirect and direct lobbying on international trade in waste (**Miao Dai**, Guillaume Cheikbossian)
- Close ties: how trade dynamics and environmental regulations shape international dependence on oil (**Federica Cappelli**, Giovanni Carnazza)



Second Floor, AULA 17

Session 2.5 - Special session World Bank Institute for Economic Development: Environmental challenges in developing countries

Chair: Romina Cavatassi

- Disaster's shadow: the overlooked impact of floods, cyclones, and tornadoes on gender-based violence in Mexico (**Miriam Berretta**, Daria Denti)
- Colombian carbon tax: evidence of carbon pricing in a developing context (**John Alexander Gomez Mahecha**)
- Emergency room visits and temperature: evidence from Mexico (**Francesco Colelli**, Filippo Pavanello, Luis Sarmiento)
- Soil Aridification, Precipitations, and Infant Health: Evidence from Africa (**Maurizio Malpede**, Jacopo Lungi, Marco Percoco)
- Uneven harvests: climate shocks and agricultural yields in Mozambique (**Matteo Coronese**, Leonardo Caproni, Matteo Dell'Acqua, Demetrio Guzzardi, Francesco Lamperti, Elisa Palagi, Takele Miteku Robel)

Second Floor, AULA 18

Session 2.6 - Labour market and firms' productivity in the twin transition I

Chair: Shouro Dasgupta

- Skill relatedness for the circular and digital transition: evidence from Emilia-Romagna and Veneto (**Roberto Antonietti**, Davide Antonioli, Luca Cattani, Elisa Chioatto, Pietro Luzzago, Giulio Pedrini)
- The complementarity between digitalization and sustainability strategies and their impact on growth: An empirical analysis on European SMEs (**Nicoletta Corrocher**, Maria Luisa Mancusi)
- Moneytalks: the role of (spatial and digital) proximity in the VC financing of green start-ups (**Sandro Montresor**, Francesco Lelli, François Perruchas, Francesco Rentocchini)
- Eco-innovation, firms' growth, and the mediating role of export activities (**Eleonora Pierucci**, Serenella Caravella, Giovanni Cerulli, Francesco Crespi)
- Attribution of historical changes in labour outcomes to climate change (**Shouro Dasgupta**, Simon N. Gosling, Franziska Piontek, Elizabeth J.Z. Robinson, Nicole van Maanen)

Second Floor, AULA 19

Session 2.7 - Law and economics

Chair: Marco Quatrosi

- Floods, public budgets and personal incomes (**Giovanni Marin**, Alessandro Bellocchi, Chiara Lodi, Giuseppe Travaglini, Matteo Zavalloni)



- Evaluating the impact of Brexit on firms' carbon intensity: evidence from the UK ETS (**Mattia Chiappari**, Andrea Flori, Simone Giansante, Ania Zalewska)
- Beyond temperature: how the heat index 35 shapes environmental, social, and governance standards (**Carlo Drago**, Angelo Leogrande)
- Fallout and fertility: Chernobyl's legacy and the role of compliance with public protection measures (**Matilde Giaccherini**, Joanna Kopinska)
- Go green without the mafia! dissolution of infiltrated city councils and environmental policies (**Marco Quatrosi**, Andrea Mario Lavezzi)

Second Floor, AULA 20

Session 2.8 - Political economy and the environment II

Chair: Asia Guerreschi

- A sentiment analysis of industry perspectives on EU ETS legislation: evidence from the European Commission's feedback portal (**Riccardo Colantuono**, Simone Borghesi, Matteo Mazzarano)
- Drivers of (de)centralisation of environmental protection spending in the EU countries (**Federica Lanterna**, Giovanni Marin, Agnese Sacchi)
- Climate Ambition and Defence (**Matteo Mazzarano**, Ilaria Dibattista)
- Innovators network and green firms: an analysis on the propensity of becoming a green innovator (**Claudia Sartirana**, Bart Baesens, Maria Luisa Mancusi)
- Fuzzy-Set Methodology with Bibliometric Insights: Analyzing Scholarly Impact of Cooperatives in Circular Economy and Eco-Innovation (**Asia Guerreschi**, Christoph Kiefer)

Second Floor, AULA 22

Session 2.9 - Socio-economic impacts of natural hazards

Chair: Ilan Noy

- A high resolution input-output model to assess the economic impact of floods (**Alessandro Caiani**, Marcello Arosio, Luigi Cesarini, Jlenia Di Noia, Beatrice Monteleone)
- Shaken up or still studying: do disasters impact student performance? Evidence from Central Italy Earthquake (**Davide Di Marcoberardino**, Marco Cucculelli)
- The wind is changing: hurricanes and climate change perceptions (**Yannik Stuka**, Matthew Ryan Sisco, Valentina Bosetti)
- "What's in a name?" Earthquake-related toponyms and tourist flows (**Federico Zampollo**, Giovanni Baiocchetti, Cecilia Castaldo, Ilan Noy)
- Heterogenous mental health impacts of a forced relocation: The Red Zone in Christchurch (New Zealand) (**Ilan Noy**, Thoa Hoang, Van Thinh Le)

Ground Floor, AULA Tesi

Session 2.10 - Special session: AISRE



Chair: Marco Modica

- A world of shocks: mapping resilience across regional layers and multiple shocks (**Giulio Breglia**, Marco Modica)
- Bounce back or breakdown? Assessing territorial vulnerability to repeated disasters across European NUTS-3 Regions (**Mariagrazia D'Angeli**, Davide Di Marcoberardino)
- Exploring the corruption-disaster link at municipal level in Italy (**Elina De Simone**, Giacomo Gazzellone, Valeria Costantini, Giuseppe Lucio Gaeta, Elena Paglialunga)
- Funding resilience or missing the mark? An analysis of RRF allocation and climate risk alignment in Italian municipalities (**Giacomo Gazzellone**, Giulio Breglia, Mariagrazia D'Angeli)
- Can't shake it off. Earthquakes and social cohesion in Italy (**Marco Modica**)

First Floor, AULA 13A

Session 2.11 - Special session: ERICE (Environmental Risk for the Italian Circular Economy)

Chair: Andrea Pronti

- Floods do not sink prices, cultural memory does: How flood risk affects housing prices in Italy (**Lorenzo Costantini**, Anna Bellaver, Ariadna Fosch, Anna Monticelli, Marco Pangallo, David Scala)
- A novel indicator for regional readiness in sustainability transitions: biomass supply for the EU bioeconomy strategy (**Vincenzo D'Atteo**, Naomi Di Santo, Edgardo Cristiano Sica, Roberta Sisto)
- Assessing drought impacts on vegetation and crop productivity in the Po River Basin: a high-resolution approach (**Vito Frontuto**, Irene Boccia, Sara Castiglia, Silvana Dalmazzone)
- It's not the heat, it's the humidity! New climate indices for Europe with a Multilevel Factor Model (**Luca Pedini**, Chiara Casoli, Matteo Manera, Daniele Valenti)
- Drought effects on agricultural productivity across EU regions (**Andrea Pronti**, Edoardo Baldoni, Dimitris Kremmydas, Dolores Rey Vicario, Pascal Tillie)

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

16:30 - 17:30 **GENERAL ASSEMBLY**
Second Floor, AULA 3

17:30 - 19:30 **PARALLEL SESSIONS 3**

Second Floor, AULA 16

Session 3.1 - Climate risk

Chair: Giulia Martinelli



- Weather shocks and climate change: understanding household decisions on thermal comfort technology adoption (**Alessandro De Palma**, Carlo Fezzi, Roberto Gabriele, Antonio Zinilli)
- Unpacking the barriers to natural and climate risk insurance adoption: a literature review (**Stefano Ceolotto**, Matteo Colucci, Jaroslav Mysiak, Simone Taddeo)
- Assessing and mapping European national climate-risk insurance systems (**Matteo Colucci**, Stefano Ceolotto, Jaroslav Mysiak, Simone Taddeo)
- Regional autonomy and climate change resilience: evidence from European countries (**Benedetta Coluccia**, Donatella Porrini)
- Exposure to heat, workplace safety and the labor market. Evidence from a policy experiment (**Giulia Martinelli**)

First Floor, AULA 12

Session 3.2 - Energy II

Chair: Stefano Clò

- The detrimental effects of wind turbine visibility on touristic flows and real estate prices: evidence from Italy (**Gabriele Pinto**, Davide Castellani)
- Resilience of Europe's power generation infrastructure to climate change (**Alberto Sergio**, Francesco Pietro Colelli)
- Exploring the market for building applications of thermochemical energy storage systems (**Cristiano Franceschinis**, Jyotisman Nath)
- Is local opposition taking the wind out of the energy transition? (**Alessandra Pasquini**, Federica Daniele, Guido De Blasio)
- Local public transports and air pollution: assessing avoided emissions through a natural experiment (**Stefano Clò**, Lorenzo Ciulla)

Second Floor, AULA 18

Session 3.3 - Environmental macroeconomics and development II

Chair: Damiano Di Francesco

- Identifying forced migration drivers by means of a joint Negative Binomial hurdle regression model within the INLA framework (**Caterina Conigliani**)
- Unsustainable global freshwater consumption driven by economic growth (**Tommaso Felici**, Marco Bagliani, Sivana Dalmazzone, Benedetta Falsetti, Vito Frontuto, Rosalba Ignaccolo, Francesco Laio)
- How a wet bulb temperature shock impacts macroeconomic variables. An analysis by estimating different Bayesian VARs (**Alessio Ferraro**)
- Climate shocks and sustainable financial policies (**Demis Legrenzi**, Davide Bazzana, Emanuele Ciola)
- Reduced GDP or Stolen Time? Measuring climate damages as years of lost growth (**Damiano Di Francesco**, Matteo Coronese, Francesco Lamperti, Elisa Palagi, Linda Sabattini)



Second Floor, AULA 24

Session 3.4 - Environmental problems I

Chair: Elisa Chioatto

- Indoor air quality and student welfare: the effect of air purifiers in schools (**Jacopo Bonan**, Francesco Granella, Stefania Renna, Luis Alejandro Sarmiento)
- Hotel guest preferences for sustainable services: evidences from a field experiment (**Gianluca Grilli**, Sandra Notaro)
- Restricting pesticides, enhancing minds: the impact of pesticide regulations on children's perinatal health and cognitive development in Veneto (**Giuliano Marco Federico Rolle**)
- The impact of pollution on economic performance (**Minh Truong**, Nicolò Barbieri, Massimiliano Mazzanti)
- Breaking eating habits. The influence of celebrity endorsement and information on cultured meat acceptance (**Elisa Chioatto**, Fulvio Fortezza, Marianna Gilli, Susanna Mancinelli, Francesco Nicolli)

First Floor, AULA 19

Session 3.5 - Experiment in environmental economics

Chair: Elisabetta Strazzera

- It still pays to greenwash! Climate pledges & unregulated markets: experimental evidence from the US (**Chiara Sotis**, Vittoria Battocletti, Alfredo Desiato, Alessandro Romano, Tobias Troeger)
- Fool me if you want: a laboratory experiment on greenwashing and enforcement (**Giorgio Dini**)
- The environmental preferences towards HVO diesel: a discrete choice experiment on Italian younger generations (**Davide Ricci Focaia**, Simona Bigerna, Alberto Longo, Luca Mariani, Paolo Polinori)
- Measuring individuals' preferences for circular smartphones: a choice experiment (**Pierre Windinkonté Ouedraogo**)
- Setting up renewable energy communities in fragile territories: a choice experiment study to assess citizens' proactive participation (**Elisabetta Strazzera**, Giacomo Lai, Chiara Moretti, Daniela Pappadà, Giovanni Sistu)

Second Floor, AULA 20

Session 3.6 - Frontier methods in environmental economics

Chair: Michela Faccioli

- Shallow lakes and loading constraints (**Alessandro Bellocchi**, Giuseppe Travaglini)
- Environmental engagement under risk and ambiguity: evidence from a lab experiment (**Rocco Caferra**, Andrea Morone, Piergiuseppe Morone)
- A metric for quantifying product-level circularity on biological cycles (**Piergiorgio Marconi**, Biancamaria Torquati)



- I will if you will in climate mitigation (**Jesus Erubiel Ordaz Cuevas**, Marco Casari, Alessandro Tavoni)
- Random forests for contingent valuation (**Michela Faccioli**, Klaus Moeltner)

Second Floor, AULA 21

Session 3.7 - Green transition I

Chair: Enrico Marvasi

- Apulian Food Districts in the Digital age: From Technology Adoption Toward Twin Transition (**Senour Ahmadi**, Vito Amendolagine, Rosario Colangione, Piermichele La Sala)
- Raw materials, ESG and sustainable transitions in an interconnected world (**Luca Lodi**, Mario Biggeri, Tiziano Distefano)
- Technology, materials, and conflicts in Africa (**Giacomo Roberto Lupi**, Davide Consoli, François Perruchas, Ugo Rizzo)
- Are the ESG-integrated portfolio strategies better risk-return performers against the global macroeconomic risks? (**Paolo Matteucci**, Daniela Venanzi)
- Racing for the batteries: an empirical assessment of the lithium batteries value chain (**Enrico Marvasi**, Francesco Crespi, Nicolò Geri, Dario Guarascio)

Second Floor, AULA 22

Session 3.8 - Labour market and firms' productivity in the twin transition II

Chair: Bernard Sinclair-Desgagné

- Green transition, skills heterogeneity, and inequality (**Gianluigi Cisco**, Marina Albanese, Francesco Busato)
- The local job multipliers of the green re-industrialization (**Federico Fabio Frattini**, Filippo Bontadini, Italo Colantone, Francesco Vona)
- Skill Transferability and workforce reallocation in the green transition: evidence from Italy (**Martino Kuntze**, Irene Brunetti, Federico Fabio Frattini, Andrea Ricci, Francesco Vona)
- Public green demand and green innovation: evidence from US firms (**Gianluca Orsatti**, Fabrizio Fusillo, Alessandra Scandura)
- Business Strategy and the Environment: the Role of Ergonomics (**Bernard Sinclair-Desgagné**, Alessio D'Amato)

Second Floor, AULA 17

Session 3.9 - Resources and critical materials

Chair: Raul Caruso

- Estimating demand derived from online search activity: the case of battery minerals (**Andrea Bastianin**, Niloofar Adel, Luca Rossini, Marco Zoso)



- Potential cartelization of critical minerals for the energy transition (**Ilenia Romani**, Nicola Comincioli, Sergio Vergalli)
- Technological change dependence on critical raw materials (**Claudia Ghisetti**, Stefano Bianchini, Marco Compagnoni, Giacomo Damioli)
- Exploring the negative consequences of mineral extraction: the case of violence in the Democratic Republic of Congo (**Ugo Rizzo**, Giacomo Roberto Lupi)
- The effect of economic sanctions on world trade of mineral commodities. A gravity model approach from 2009 to 2020 (**Raul Caruso**, Maria Cipollina)

First Floor, AULA 13A

Session 3.10 - Special session: AIEAA/SIDEA

Chair: Cristina Vaquero Piñeiro

- The contribution of operational groups to bioeconomy policies: a study of biomass utilization in Italy (**Francesco Basset**, Patrizia Borsotto, Francesca Giarè, Laura Mirra)
- To what extent are the Italian regional food systems vulnerable to climate shocks? An integrated assessment framework to detect critical products (**Tommaso Ferraresi**, Sara Turchetti)
- Sustainable livestock agricultural systems through a 'gender lens'. Does women involvement in farm decision making processes influence the adoption of climate-smart forages? A case study in Kenya (**Chiara Perelli**, Luigi Biagini, Giacomo Branca, Luca Cacchiarelli, Simone Severini)
- Empirical insights into carbon farming contract design: a VIKOR-based expert ranking approach (**Nidhi Raina**, Davide Viaggi)
- Water management for agriculture in a Mediterranean area: the case of processing tomatoes in Italy (**Cristina Vaquero Piñeiro**, Roberto Henke)

Ground Floor, AULA Tesi

Session 3.11 - Special session: MEDAERE

Chair: Simone Borghesi

- The role of foreign direct investments (FDIs) in Italy's energy transition (**Amedeo Argentiero**, Chiara Alaimo)
- Adapting to climate change with (in)complete land property rights: evidence from the Hellenic cadastral reform in Greece (**Francois Bareille**, Liang Diao, Huiqian Song)
- Estimating the impact of urban agriculture as a nature-based solutions on Italian's household expenditure and on their indirect GHG emission by Propensity Score Matching (**Jennifer Cavarra**, Gianluca Grilli, Silvia Tomasi)
- Hedgerows and organic farming (**Raja Chakir**, Emilien Veron)
- Peer-to-Peer sharing, price competition, and consumers' awareness (**Carmen Arguedas**, Francisco J. Andre, Claudia Ranocchia, Sandra Rousseau)



T Bar Ostiense, Via Ostiense, 182/A (Roma)



Friday, 21st February 2025

08:00 **REGISTRATIONS OPEN**

Ground Floor

9:00 - 11:00 **PARALLEL SESSIONS 4**

First Floor, AULA 12

Session 4.1 - Agricultural economics and the environment

Chair: Marco Sforza

- Linking Dietary Health and Environmental Sustainability: A Data-Driven Approach Using Real Food Consumption Data (**Elena Benedetti**, Sara Capacci, Mario Mazzocchi)
- Drivers and Barriers to Innovation Adoption in the EU Agro-Food Sector: A Structured Literature Review of Firms and Farms (**Ginevra Coletti**, Andrea Pronti, Emy Zecca)
- Import Exposure and Farm-level Emissions (**Daniele Curzi**, Robert Brot, Chiara Falco, Paolo Nota)
- Urban Versus Rural Food Insecurity: Evidence from Canada (**Anna Russo Spena**, Spencer Henson)
- The impact of agriculture on climate change: a review of approaches to modelling agricultural emissions (**Marco Sforza**, Luca Salvatici, Cristina Vaquero Piñeiro)

Second Floor, AULA 16

Session 4.2 - Climate change and the global environment II

Chair: Luca Buzzanca

- Are we attributing climate damages to the wrong events? Trade and the international transmission of shocks (**Francesco Granella**)
- Pantropical deforestation, degradation and weather shocks (**Giulia Vaglietti**, Philippe Delacote, Antoine Leblois)
- Drought, Mafia and slavery: empirical evidence from Nigerian Mafia's human trafficking in Italy (**Luca Buzzanca**)

Second Floor, AULA 17

Session 4.3 - Consumption behaviour in environmental economics

Chair: Alessio D'Amato

- Responsible water consumption: an (extended) theory of planned behavior approach (**Marco De Simone**, Maria Carmela Aprile, Antonella D'Agostino, Elisabetta Marzano, Andrea Regoli)



- The sustainability of food security: is organic agriculture part of the solution? (**Maria Laura Ojeda**, Exequiel Romero Gómez, Luca Salvatici, Cristina Vaquero Piñeiro)
- Consumer choices in the circular transition: exploring preferences in digital secondhand era (**Claudia Ranocchia**, Javier André Francisco, Carmen Arguedas, Sandra Rousseau)
- Bottled vs Tap Water: Unveiling Consumer Choices in Italy (**Alessio D'Amato**, Loredana Mirra, Andrea Rampa)

Second Floor, AULA 18

Session 4.4 - Ecosystem services and natural resources II

Chair: Elena Vallino

- Mitigating climate-related agricultural risks: earth observation-based index insurance for viticulture (**Zahra Ardakani**, Giulio Paolo Agnusdei, Pier Paolo Miglietta, Donatella Porrini)
- The EU Nature Restoration Law and the economic opportunities related to the valorisation of ecosystem services and the market for biodiversity credits (**Luigi Servadei**)
- More than just carbon: the socioeconomic co-benefits of large-scale tree planting (**Lorenzo Sileci**, Jeffrey Pagel)
- Quantifying Nature-related risks and opportunities: a novel metric for assessing ecosystem integrity and its economic impact (**Stefano Tripodi**, Benedetta Falsetti, Giacomo Novelli)
- The role of large enterprises in global staple food and cash crop markets: A quantitative analysis of rice and coffee through the virtual water perspective (**Elena Vallino**, Adelaide Baronchelli, Silvana Dalmazzone, Francesco Laio, Luca Ridolfi)

Second Floor, AULA 20

Session 4.5 - Environmental problems II

Chair: Jacopo Lunghi

- Despite repeated warnings: the influence of climate and economic uncertainties on inflation components (**Luca Esposito**, Marco Tedeschi)
- From (micro-) circularity to (macro-) mitigation (**Eugénie Joltreau**, Cristina Cattaneo, Elena Verdolini)
- Greenhouse gas emissions in Europe through a spatiotemporal approach (**Caterina Morelli**, Paolo Maranzano, Philipp Otto)
- A spreading malaise: manure management, air pollution, and hospital admissions in Italy (**Jacopo Lunghi**)

Second Floor, AULA 21

Session 4.6 - Environmental regulation and policy II

Chair: Francesca Diluiso



- Institutional variables and power firms' productivity: micro panel estimation with time-invariant variables (**Maria Chiara D'Errico**, Simona Bigerna, Paolo Polinori)
- Navigating climate policy: the influence of lobbying trends and narratives in Europe (**Grazia Errichiello**, Pasquale Marcello Falcone, Lilit Popoyan)
- The governance of water services in the EU: policies, actors, contention (**Gemma Gasseau**)
- Towards a Greener Tomorrow: EU Cohesion Policy and Firm-Level CO2 Reduction (**Francesco Scotti**, Elena Renzullo)
- Navigating climate policy shocks: optimal monetary policy responses (**Francesca Diluio**, Marco Carli, Mathias Hoffmann)

Second Floor, AULA 19

Session 4.7 - Green transition II

Chair: Giulia Valeria Sonzogno

- Financial stability and the transition: integrating environmental and social factors into a solvency model for SMEs (**Daniela Bragoli**, Aldo Corbellini, Davide Fedreghini, Tommaso Ganugi, Giovanni Marseguerra, Gianluca Morelli)
- Taking the green pill: the macroeconomic and financial risks of the energy transition in the MATRIX model (**Emanuele Ciola**, Davide Bazzana, Massimiliano Rizzati, Enrico Maria Turco, Sergio Vergalli)
- Assessing the presence of the Third Sector at the end of life of materials: quantifying an overlooked nexus between organised civil society and the circular economy transition (**Marco De Nigris**)
- Brownian price and green firms: an ETS price floor for a clean transition? (**Nicola Comincioli**, Simone Borghesi, Peter Kort, Jacco Thijssen, Sergio Vergalli)
- The geography of the green transition: big promises, uneven outcomes (**Giulia Valeria Sonzogno**, Giulio Breglia)

Second Floor, AULA Tesi

Session 4.8 - Special session World Bank Institute for Economic Development: Carbon pricing and energy transition

Chair: Carolyn Fischer

- The cost of excluding coal from a carbon tax: the Colombian case (**Cindy Giselle Azuero Pedraza**, John Alexander Gomez Mahecha)
- Net zero: distributional effects and the role of fiscal policy in the green transition (**Alessandro Sardone**)
- The pricing of net-zero carbon reduction commitments in the equity markets (**Laura Marinelli**)
- Climate clubs, competitiveness concerns, and alternative correction measures (**Francesco Bosello**, Ramiro Parrado)



- Capital Adjustment Costs and the Low-Carbon Transition: How Costly are Net Zero Commitments? (**Carolyn Fischer**, Anna Goeth, Leo Zessner-Spitzenberg)

First Floor, AULA 13A

Session 4.9 - Structural change and natural resources evaluation

Chair: Edoardo Sala

- Structural change for a just and sustainable economy (**Giacomo Ravaioli**, Simone D'Alessandro, Tiago Domingos)
- The geography of energy transition metals mining and its environmental impact in Europe (**Luqman Shamsudin**, Andrea Bastianin, Chiara Fernanda Del Bo)
- Beneath the trees: the influence of natural capital on shadow price dynamics in a macroeconomic model with uncertainty (**Romano Tarsia**, Ghassane Benmir, Aditya Mori, Josselin Roman)
- Virtual availability: resource accounts to alter network services demand (**Sara Zanini**, Gabriele Paolacci)
- Material flow accounting and national recovery and resilience plans: how polluting is public spending in Italy? (**Edoardo Sala**, Giacomo Gazzellone)

Ground Floor, AULA 22

Session 4.10 - Urban, spatial, regional and transport economics

Chair: Sabrina Auci

- To move or to stay? The mobility responses of rural residents to natural disasters (**Dina Moawad**)
- Sustainable mobility in peri-urban and sprawled environments in Europe. A critical systematic review (**Matteo Naretto**, Giulia Cristaldi, Daniele Crotti, Elena Maggi, Andrea Vezzulli)
- Floods do not sink prices, cultural memory does: How flood risk affects housing prices in Italy (**Marco Pangallo**, Anna Bellaver, Lorenzo Costantini, Ariadna Fosch, Anna Monticelli, David Scala)
- Walking school buses in the city of Ferrara. A qualitative analysis through social capital theory (**Giuseppe Rocco**, Susanna Mancinelli)
- Climate change and urban systems in Italy: some evidence (**Sabrina Auci**, Donatella Vignani)

11:00 - 11:30 **COFFEE BREAK**

11:30 - 12:30 **KEYNOTE SPEECH**

Paola Vesco (*Peace Research Institute Oslo and Uppsala University*):
“Navigating Uncertainty: Climate Variability, Armed Conflict, and Predicting Vulnerable Futures”



Discussant: Raul Caruso (*Università Cattolica del Sacro Cuore*)

Ground Floor, AULA 1

12:30 - 13:00

CLOSING CEREMONY

Ground Floor, AULA 1



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INSTRUCTIONS FOR PRESENTERS AND CHAIRS

Oral Session - A computer and a beamer will be available in each room for presentations. We invite the presenters to bring their presentation, on a USB memory device. To avoid loss of time, hooking up of personal laptops is discouraged. Supported presentation format is PowerPoint or PDF. Make sure to copy your presentation onto the laptop in the assigned room. The volunteers and chairs will assist you with this. We encourage to save your presentation under the following file name: *IAERE2025_LastName_Session#*. Presenters are invited to the room 10 minutes prior to the start of the session, so that presentations can be uploaded onto the computer before the session starts. Average time available for each presentation, including chairs' and general discussion, is about 20-25 minutes. The suggested time allocation is: 15 minutes for presentation, 5 minutes for discussion. Presentations will be carried out in English.

Chairs - Chairs are invited to go to the room 10 minutes prior to the start of the session. They introduce the session and the speakers and make sure that the time available is divided equally over the papers to be presented. Average time available for each presentation, including chairs' and general discussion, is about 20 minutes. The suggested time allocation is: 15 minutes for presentation, 5 minutes for discussion. Presentations will be carried out in English. Moreover, chairs are kindly invited to guide the discussion with the floor following each presentation and at the end of the session.

Poster Session - Each presenter is required to print his own poster, and set-up it in the morning of the scheduled presentation. The conference staff will assist you during the time of poster mounting. The poster presenters are asked to be close to their poster during each Poster session to feedback to the potential questions. Be careful to include the title, authors, and affiliations at the top of the poster. It is worth mentioning that font sizes, figures and tables have to be easily read. We encourage making use of exhaustive contents rather than long text.



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School of Economics and Business Studies
University of Roma Tre



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