

Conference Programme



IAERE

Italian Association of Environmental
and Resource Economists

Fifth Annual Conference
16th-17th February 2017, Rome

University of Rome Tor Vergata, School of Economics



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SIE - Italian Economic Association

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Welcome to IAERE/2017

Dear Participant,

we are glad to welcome you to the Fifth Annual Conference of the Italian Association of Environmental and Resource Economists (IAERE), jointly organized by IAERE and the Centre for Economic and International Studies (CEIS), that will be hosted at the premises of the School of Economics of the University of Rome Tor Vergata.

This year's programme is rich and interesting: 13 parallel sessions, divided into three parallel slots, will feature the presentation of 58 accepted papers out of the about 110 submitted. The high quality of selected papers is the result of a tight selection process.

We are proud of the two distinguished keynote speakers that have accepted our invitation: Thomas Sterner (University of Gothenburg) and Shanti Gamper-Rabindran (University of Pittsburgh).

The General Assembly of IAERE Members will take place on Thursday morning, i.e. on the first day, after the first plenary lecture. All IAERE members are warmly invited to participate, as the General Assembly is an important moment where members' voices and opinions may be most effectively heard. Also, this year's Assembly will feature IAERE Elections, where members will be invited to vote for a President and for two new ordinary members of the Council.

We did our best to organize a nice social programme, to favour networking and informal discussion, and also to have some fun together! We kindly invite all participants to join us at the Conference Dinner on Thursday evening and to enjoy with us the Conference Social Event - a tour of the Tor Vergata Botanical Garden on Friday afternoon.

This Conference has been made possible by the organizational and financial support of CEIS Tor Vergata and of the University of Rome Tor Vergata. The generous contributions by the Regional Council of Lazio Region and by the Ministry of Environment, together with the sponsorship by Enel Green Power, are also gratefully acknowledged.

Special thanks are due to all those who have contributed to this event by providing logistical, organizational and technical assistance before and during the event.

We hope you will find the scientific programme challenging and that your work will benefit from the possibility to exchange ideas within the context of the Conference.

Thank you for your participation.

On behalf of the Organizing Committee
Alessio D'Amato (chair) and Mariangela Zoli (vice-chair)

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Committees

Organising committee

Alessio D'Amato (chair, University of Rome Tor Vergata and SEEDS)
Mariangela Zoli (vice-chair, University of Rome Tor Vergata and SEEDS)
Andrea Appolloni (University of Rome Tor Vergata)
Laura Castellucci (University of Rome Tor Vergata)
Valeria Costantini (University of Roma Tre and SEEDS)
Massimiliano Mazzanti (University of Ferrara and SEEDS)
Aldo Ravazzi Douvan (Italian Ministry of Environment, Land and Sea – TA Sogesid)

Programme Committee

Alessio D'Amato (chair, University of Rome Tor Vergata and SEEDS)
Mariangela Zoli (vice-chair, University of Rome Tor Vergata and SEEDS)
Simone Borghesi (University of Siena and SEEDS)
Gionata Castaldi (Italian Ministry of Environment, Land and Sea – TA Sogesid)
Laura Castellucci (University of Rome Tor Vergata)
Valeria Costantini (University of Roma Tre and SEEDS)
Marianna Gilli (University of Ferrara and SEEDS)
Stefano Gorini (University of Rome Tor Vergata)
Susanna Mancinelli (University of Ferrara and SEEDS)
Giovanni Marin (University of Urbino "Carlo Bo" and SEEDS)
Massimiliano Mazzanti (University of Ferrara and SEEDS)
Anna Montini (University of Bologna and SEEDS)
Francesco Nicolli (IRCrES-CNR and SEEDS)
Giacomo Pallante (Italian Ministry of Environment, Land and Sea – TA Sogesid)
Alessandro Palma (University of Rome Tor Vergata and SEEDS)
Roberta Sestini (University of Rome "La Sapienza")
Edilio Valentini (University G. D'Annunzio of Chieti-Pescara)

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About IAERE

The Italian Association of Environmental and Resource Economists (IAERE) is a national scientific association which aims:

- to contribute to the development and application of environmental and resource economics as a science in Italy;
- to encourage and improve communication between teachers, researchers and students in environmental and resource economics;
- to develop and encourage the cooperation between university level teaching institutions and research institutions in Italy;
- to make available to institutions research results and encourage their application;
- to develop and encourage cooperation among companies, trade unions and environmental NGOs.

The Association accomplishes its aims mainly by organizing conferences, meetings, panels. The main Association's activity is its Annual Conference series, inaugurated in 2013.

IAERE's website serves as platform for exchange regarding events, open positions and other useful information in the field of Environmental and Resource Economics in Italy and beyond.

IAERE was founded in 2012, and is based in Venice. Its members are mainly from Italy, from academic institutions, the public sector, and the private industry.

Membership is open to individuals who by their profession, training and/or function are involved in environmental and resource economics as a science, and to institutions which operate in fields connected with the aims of the Association.

IAERE website: www.iaere.org

IAERE General Assembly of Members

IAERE members are invited to participate in the General Assembly of Members taking place on Thursday, February 16th, from 11.30 to 12.30, in Room TL.

Proposed agenda

11.30-11.50	Elections 2017: presentation of candidates, distribution and collection of ballots
11.50-11.55	Approval of the minutes of the General Assembly of Members held on February 11th, 2016 in Bologna
11.55-12.00	Board of Auditors: appointment for years 2018 and 2019
12.00-12.10	Individual and institutional membership profiles 2016 and 2017, Ratification of members' lists, Resolution on the loss of the status of member
12.10-12.20	Accounts: final accounts 2016 and preliminary budget 2017 and 2018
12.20-12.25	Calendar of future IAERE events
12.25-12.30	Any other business

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IAERE Young Environmental Economist Award

This year the Association is announcing the second edition of the IAERE Young Environmental Economist Award, a recognition given to the best paper presented by a young economist at the Annual Conference.

With this Award the Association aims to reward new ideas addressing key environmental and resource economic issues at the national, European and global scale. Both theoretical and empirical papers will be considered without any restriction of topics.

Eligible candidates are less than 33 years of age and no more than five years past a PhD defence, should they have a PhD.

There is a monetary reward of €1,000 for the presenter of the winning paper.

The Selection Committee comprises the Conference Programme Committee and the IAERE Council, and is co-chaired by the IAERE President and the chair of the Conference Programme Committee.

The Award winner will be announced at the Award and Closing Ceremony, to be held on Friday, February 17th at 13.15, in Room TL.

IAERE Young Environmental Economist Award Committee

Simone Borghesi (University of Siena and SEEDS)
Valentina Bosetti (Bocconi University, FEEM and CMCC)
Silvana Dalmazzone (University of Turin)
Alessio D'Amato (University of Rome Tor Vergata and SEEDS)
Giovanni Marin (University of Urbino "Carlo Bo" and SEEDS)
Massimiliano Mazzanti (University of Ferrara and SEEDS)
Anna Montini (University of Bologna and SEEDS)

IAERE Institutional members

Standard Institutional Members

- Fondazione Eni Enrico Mattei (FEEM)

University Institutional Members

- "Alma Mater Studiorum" University of Bologna, Department of Economics
- Bocconi University, Centre for Research on Energy and Environmental Economics and Policy (IEFE)
- University of Ferrara, Department of Economics and Management
- University of Milan, Department of Economics and Quantitative Methods
- University of Rome Tor Vergata, Department of Economics and Finance
- Venice International University (VIU)

IAERE is most grateful to Institutional Members for their support.

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General Information

Registration and information desk

The registration and information desk is open throughout the entire Conference.

Badges

The name badge given to you when you registered ensures your admission to the Conference. Please make sure you wear it all times. It is important to wear your name badge also the social events you are registered to.

Wi-Fi connection

Wi-Fi connection will be made available to Conference participants through the facilities of the School of Economics. All participants will be provided with a form to obtain details for the Wi-Fi connection. The form will have to be filled in with each participant's details and with a valid ID number (e.g. passport, ID card etc.).

After completing the form, each participant will receive a user id and a password. These details will be valid for the entire Conference duration.

Programme changes

General announcements, changes and updates to the programme will be displayed at the registration desk.

Useful Contacts

IAERE Secretariat: iaere@iaere.org

CEIS: email: segr.ceis@economia.uniroma2.it; tel. +39 06 72595601

Taxis: 06 3570

Conference Venue

The Conference will be held at the premises of the School of Economics of The University of Rome "Tor Vergata", Via Columbia, 2, Roma, and will be organized jointly by the Center for Economic and International Studies (CEIS – www.ceistorvergata.it) and IAERE

How to reach the Conference Venue from the City Center (estimated time: 45 min. – 1 hour).

From TERMINI Railway Station take the red line (Metro A) towards ANAGNINA and get off at Anagnina Terminal. Then take bus "20 Express" from the bus lanes and get off at the 2nd stop along Viale Cambridge, which is the 8th stop from Anagnina.

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Rooms

Plenary and Parallel sessions:

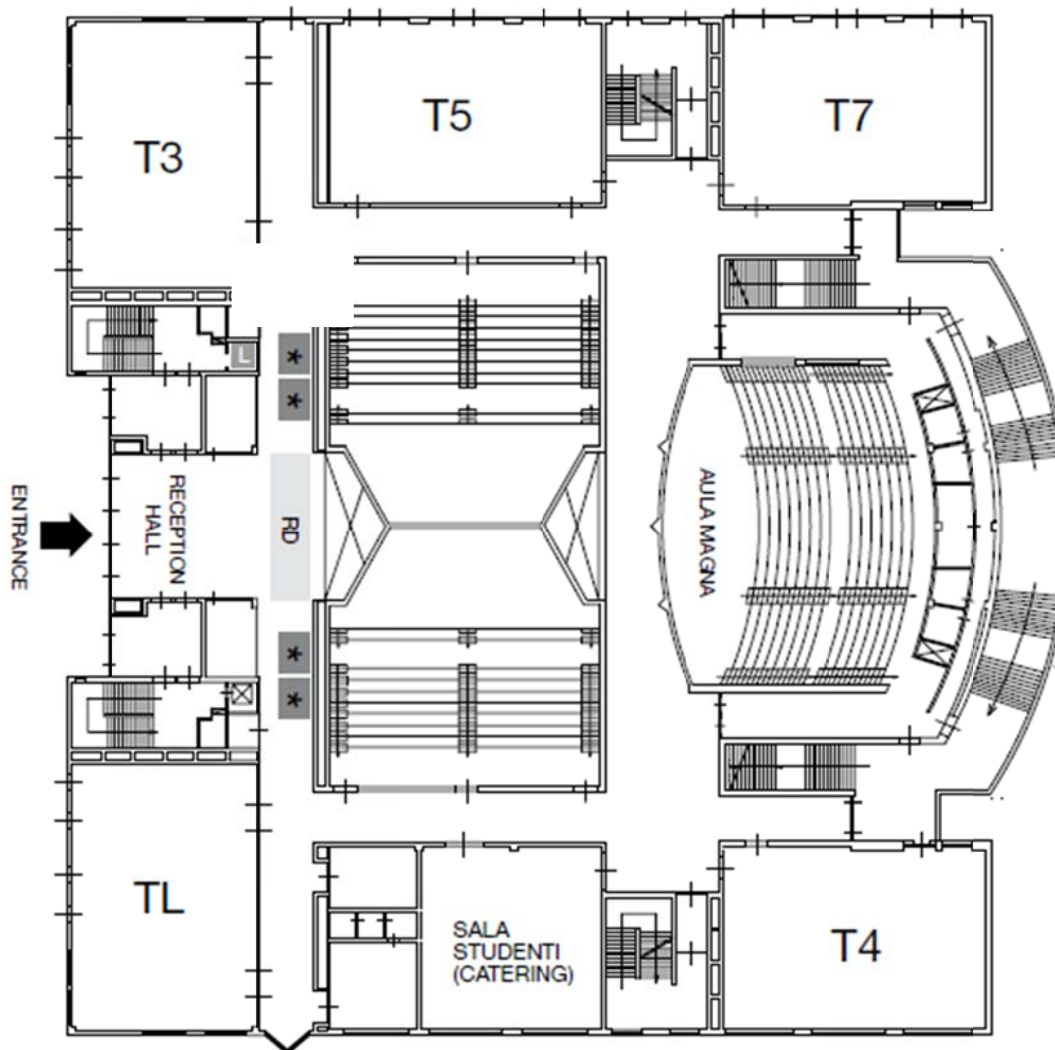
Building A

Room TL (all the plenary sessions): Ground Floor

Rooms P1, P2, P3, P4 and P57: First Floor

Coffee breaks and Lunches will be served in the hall close to Room TL.

A map of the ground floor and one of the first floor are available below.



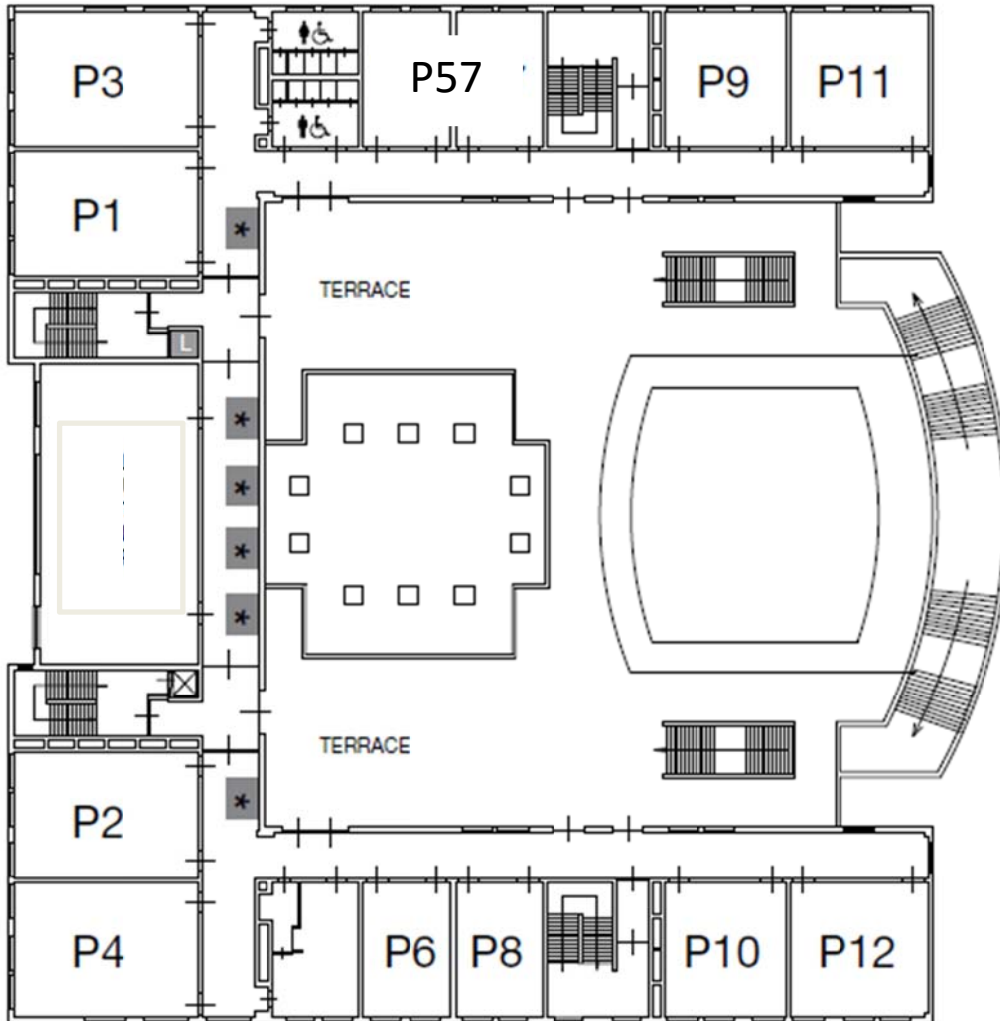
Map - Ground floor

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Map - First floor

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Conference Dinner – Thursday, February 16th

Cacciani Restaurant - Via A. Diaz, 13 - 00044 Frascati, Rome

The Conference Dinner will take place in the centre of Frascati, at the Cacciani Restaurant Traditional dishes with a flavour of new creative cuisine will be served. This will be enriched with Castelli Romani wines, a visit to an ancient wine-cellar and a lively show-cooking course.

Conference participants who are willing to take part in the Conference Dinner selected this option during registration. Should you have not done so and wish to participate, please contact the Registration Desk at your earliest convenience: availability is limited, so that early booking for the dinner is strongly advised.



At around 19.00 of the first day of the Conference, all participants who have registered for the Conference dinner will be taken by bus from the Conference Venue to the restaurant.

At the end of the dinner (at around 23.00), buses will take participants to two pre-determined stops:

1. Close to the Conference Venue, namely at the Campus X accommodation, and
2. Piazza della Repubblica/Via Cavour (in the centre of Rome).

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Social Event – Friday, February 17th

Visit to the University Botanical Garden and to the EAERE CO2 garden

At the end of the Scientific Programme buses will take the interested participants to the Botanical Garden. At the end of the visit (at approximately 16.30), participants will be taken to the premises of the School of Economics and, then to the Anagnina metro station, where buses to the Ciampino airport and metro to the Termini station are available.

Participation is free of charge, but registration to this specific event is mandatory. Please check if you signed up in the registration confirmation e-mail you were sent by IAERE Secretariat. Should you wish to modify your decision, please kindly contact us at your earliest convenience at the Registration Desk. **Please note that seat at the dedicated buses are limited: sign up for the event at your earliest convenience by contacting the Registration Desk.**

The Botanical Gardens of the University of Rome "Tor Vergata" (TVBG) have been created in 2005 within the area of the university on a surface of approximately 82 hectares, which makes it the biggest University Botanical Garden in Europe. It represents a new concept among botanical gardens, targeting several aims at the same time: education, research, innovation and support to industrial development. For that, TVBG has pursued four vocations, acting as a cultural, educational, social and scientific institution at once. It is managed by a team of botanists together with professors and researchers from the Department of Biology belonging to the University of Rome "Tor Vergata".



Garden of Music

TVBG serves as a platform for taxonomy, morphology, plant physiology, genetics, ecology and biotechnology projects. Current research fields there include reduction of carbon footprint, chemical composition and biological activities based on herbal extracts, experimental nursery of native species and medicinal herbs, DNA bar-coding, germplasm conservation of native species from the Lazio Region thanks to technologically advanced techniques such as micropropagation and cryopreservation.

Within the TVBG it's already present a germplasm conservation center for the conservation of wild native species and food and medicinal herbs. In addition, the Botanical Garden, following his main vocation, features several collections of plants. The Arboretum, as well as being a living collection of plants, trees and shrubs, also aims to be an expression and conservation of biodiversity of the Lazio region, and Colli Albani in particular. Its area currently extends over 5 hectares, and its implementation has enabled the planting of a total of 750 plants: 400 species representing deciduous forest mixed mesophilic and 350 which expression of the forest transition to oak, *Quercus-Tilia* than-Acer and *Lecceta*. There are also many

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collections of trees: The largest collection of oaks in Italy and the newly formed collection of pine trees. In addition, interesting collections of carnivorous plants and succulents are growing in the greenhouses of the Botanical Garden.

Participants will also have the chance to visit the EAERE CO₂ garden, an area devoted to the planting of the trees funded by the CO₂ offset donations from participants to the Annual Conference of the European Association of Environmental and Resource Economists Conference, hosted by University of Rome Tor Vergata in 2011.



Biblical Garden

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Keynote Lectures



International Climate economics: The importance of treaties and politics versus underlying trends in technology and taste

Thomas Sterner

Department of Economics, University of Gothenburg

Thomas Sterner will speak about the problems of policy making for global public goods in general – taking as the prime example the current situation when it comes to climate policy. How should climate treaties be written? Knowing that there is no supranational authority they need to be written so that it is in the interest of every country to participate – otherwise we have the already well known problem that some countries may fail to meet their obligations or withdraw. How should we in this light interpret the Paris Accord? We start with the question of whether the Paris agreement can be seen as a positive surprise? Is there any evidence (for instance the mention of the 1.5 degree goal) that this agreement was more radical and far reaching than expected? We turn then to what the INDCs mean and how should one interpret such a relatively vague instrument that by definition lacks central coordination and enforcement? Finally we discuss the question of a price on carbon. Is a price on carbon necessary and how should such a price on carbon emissions be created?

Thomas Sterner is professor of environmental economics. For the academic year 2015-2016 he has been elected as a visiting professor at the Collège de France. In 2012-2013 he was on sabbatical leave from Gothenburg university and worked as Chief Economist at the Environmental Defense Fund (EDF). His main areas of work at the EDF were, among other things, related to instrument design for climate policy and catch shares in fisheries. During the last two decades he has built up the Environmental Economics Unit (EEU) at the University of Gothenburg, with a staff of about a dozen PhDs and another dozen graduate students. The unit gives a unique PhD program (with a large participation of graduate students from developing countries financed by the Swedish International Development Cooperation Agency, Sida), masters and undergraduate programs as well as a large number of other research and teaching activities within the area of environmental economics.

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Political and legal institutions in energy transition: the case of shale in the US

Shanti Gamper-Rabindran

*Graduate School of Public and International Affairs and the Department of Economics,
University of Pittsburgh*

A growing body of research focuses on the role of political and legal institutions in molding countries' energy pathways and leading to path dependence with some space for incremental change. Using the US shale development as a case study, this presentation describes how US political and legal institutions, beyond market factors such as high expected gas prices, facilitated shale expansion. These institutions are rooted in US reliance on domestic oil and gas production as its primary strategy for its energy security. The presentation invites discussion on research opportunities on the role of political and legal institutions in emerging economies' energy pathways.

Shanti Gamper-Rabindran is an Associate Professor at the Graduate School of Public and International Affairs and the Department of Economics, University of Pittsburgh.

She is currently editing a book examining the decisions of countries to pursue or to forego shale development and their decision-making processes. She is also contributing the US chapters, with country experts contributing the chapters on the United Kingdom, France, Germany, Poland, China, Argentina and South Africa. Her research focuses on the empirical evaluation of environmental policies: (i) reducing risks in the chemical manufacturing sector, i.e., the effects of self-regulation, voluntary and disclosure programs on pollution-intensity, industrial accidents and worker chemical exposure; (ii) remediation of hazardous waste sites, its benefits and gentrification effects; and (iii) environment and health impacts of development policies (e.g., piped water provision on infant mortality rates in Brazil and the impact of NAFTA on the pollution-intensity of US-Mexican trade). She has worked for the Environmental Protection Agency (consultant), the World Bank (project assistant) and Human Rights Watch Americas (intern). She also served as a visiting associate professor at Carnegie Mellon University and the Arava Institute for Environmental Studies. She obtained a Ph.D. in Economics from MIT, a M.Sc. Environmental Science & Management from Oxford University and a BA in Jurisprudence from Oxford University, where she was a Rhodes scholar, and a BA on Economics and Environmental Science & Policy from Harvard University.

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Programme

FEBRUARY 16th 2017 – THURSDAY

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

Air pollution during pregnancy and birth outcomes in Italy

Alessandro PALMA: University of Rome "Tor Vergata"

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

Assessing economically coastal zone protection in a general equilibrium framework

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

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

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Does the construction of biogas plants affect local property values?

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

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

Tharshini THANGAVELU: Umeå University

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

14:00 - 16:00

Waste

Room P2

Chair: Mariangela ZOLI (University of Rome Tor Vergata and SEEDS)

Thu. 16 Feb 2017

Environmental regulation and international hazardous waste trade

Emy ZECCA: University of Rome La Sapienza

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

Do motivations crowd in recycling policies? Evidence from Italy

Francesco NICOLLI: CNR

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

Toxic roads: Unearthing hazardous waste dumping

Caterina GENNAIOLI: Queen Mary, University of London

Co-Author(s): Gaia Narciso

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

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

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

Mariangela ZOLI: University of Rome "Tor Vergata"

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

14:00 - 16:00

Climate Change: Policy

Room P3

Chair: Stefano GORINI (University of Rome Tor Vergata)

Thu. 16 Feb 2017

Expert judgments on the success of climate negotiations

Alessandro TAVONI: London School of Economics

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

Open economy macroeconomics and environmental policy

Francesca DILUIISO: University of Rome Tor Vergata

Co-Author(s): Barbara Annichiarico

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

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

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

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Carbon tax with heterogeneous individuals' willingness-to-pay

Luca SPINESI: University of Roma Tre

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

Elena PAGLIALUNGA: University of Roma Tre

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

14:00 - 16:00

Green Behaviour

Chair: Anna MONTINI (University of Bologna)

Room P4

Thu. 16 Feb 2017

Green consumption and relative preferences in an international oligopoly

Ornella TAROLA: University of Rome "La Sapienza"

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

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

Matilde GIACCHERINI: University of Rome "Tor Vergata"

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

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

Giuseppe DEROMA: University of Cagliari

Co-Author(s): Elisabetta Strazzera

Water conservation behavior and environmental concerns

Damiano FIORILLO: Parthenope University

Co-Author(s): Maria Carmela Aprile

14:00 - 16:00

Environmental Problems and LDC

Chair: Simone BORGHESI (University of Siena)

Room P57

Thu. 16 Feb 2017

Climate change impact on Ethiopian small-holders production efficiency

Manuela COROMALDI: University of Rome "Niccolò Cusano"

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

Fiscal instruments for green developing economies in practice

Silvana DALMAZZONE: University of Turin

Co-Author(s): Vito Frontuto

Large scale land investments and forests in Africa

Nadia CUFFARO: University of Cassino

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

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

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

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

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The dynamics of foreign direct investments in land and pollution accumulation

Simone BORGHESI: University of Siena

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

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

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

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

Room P1
Thu. 16 Feb 2017

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

Claudia GHISSETTI: Joint Research Centre - European Commission

Porter hypothesis in the US manufacturing: A stochastic frontier model

Balazs STADLER: University of East Anglia

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

Claudia PELLEGRIN: École Polytechnique Fédérale de Lausanne

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

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

Sandro MONTRESOR: Kore University of Enna

Co-Author(s): Claudia Ghisetti

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

Room P2
Thu. 16 Feb 2017

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

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

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

Economy-wide repercussions of agricultural water buyback

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

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

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

Martina SARTORI: Ca' Foscari University of Venice

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

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

Alessandra LA NOTTE: Joint Research Centre - European Commission

Co-Author(s): Silvana Dalmazone

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

Roberto ROSON: Ca' Foscari University of Venice

Co-Author(s): Richard Damania

16:30 - 18:30

Discounting, risk and uncertainty

Chair: Valeria COSTANTINI (University of Roma Tre)

Room P3

Thu. 16 Feb 2017

Climate change, catastrophes and dismal theorem: a critical review

Andrea RAMPA: University of Rome Tor Vergata and FAO

Climate engineering under deep uncertainty and heterogeneity

Vassiliki MANOUSSI: Fondazione Eni Enrico Mattei and Euro-Mediterranean Center on Climate Change

Co-Author(s): Anastasios Xepapadeas, Johannes Emmerling

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

Eric FESSELMEYER: National University of Singapore

Co-Author(s): Haoming Liu, Alberto Salve

Time variant risk preferences in agriculture: Evidences from Italy

Martina BOZZOLA: ETH Zurich, Agricultural Economics and Policy Group

Co-Author(s): Salvatore Di Falco, Robert Finger

16:30 - 18:30

Energy and climate policies

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

Room P57

Thu. 16 Feb 2017

TBD

Fabrizio BIZZARRI: Enel Green Power

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

Fabio EBOLI: Italian Ministry of Environment, Land and Sea – TA Sogesid

Co-Author(s): Anna Bombonato, Cecilia Camporeale, Gionata Castaldi, Mara Cossu, Daniel Franco, Alessandro Giovannelli, Luca Grassi, Mario Iannotti, Simona Insabella, Greti Lucaroni, Pierluigi Manzione, Andrea Molocchi, Antonia Oriani, Karima Oustadi, Francesca Papini, Patrizia Pennazza, Aldo Ravazzi, Federica Rolle

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

Gionata CASTALDI: Italian Ministry of Environment, Land and Sea – TA Sogesid

Co-Author(s): Carlo Orecchia

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

Alessandro CHIODI: E4SMA S.r.l

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

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

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

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

FEBRUARY 17th 2017 – FRIDAY

08:45 - 9:45 **REGISTRATIONS**

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

10:45 - 11:15 **COFFEE BREAK**

11:15 - 13:15 **PARALLEL SESSIONS 3**

11:15 - 13:15 **Climate Change: Impacts, Mitigation and Adaptation** Room P1
Chair: Edilio VALENTINI (University G. D'Annunzio of Chieti Pescara)

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

Sabrina AUCL: University of Palermo

Co-Author(s): Donatella Vignani

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

Sergio VERGALLI: University of Brescia

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

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Impact of climate change on malaria: A quantile regression analysis

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

Tales from the tails: Sector-level carbon intensity distribution

Baran DODA: London School of Economics

11:15 - 13:15	Energy Prices and Regulation Chair: Aldo RAVAZZI DOUVAN (Italian Ministry of Environment, Land and Sea – TA Sogesid)	Room P2 Fri. 17 Feb 2017
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"Here comes the sun" with its quality-adjusted price index

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

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

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

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

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

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

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

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

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

11:15 - 13:15	Experimental Environmental Economics Chair: Marcella VERONESI (University of Verona and ETH Zurich)	Room P3 Fri. 17 Feb 2017
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Imitation through social networks in technology adoption: Experimental evidence from improved cookstoves in Mali

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

On the determinants of food waste: A lab experiment

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

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

Francesco SALUSTRI: University of Rome "Tor Vergata"

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

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

Marcella VERONESI: University of Verona and ETH Zurich

Co-Author(s): Devesh Rustagi

11:15 - 13:15

Emission Trading and Climate Markets

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

Room P4

Fri. 17 Feb 2017

Emission benchmark setting in the materials sector: An analytical framework

Vera ZIPPERER: DIW Berlin

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

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

Federica COELLI: University of Oslo

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

Gianluca IANNUCCI: University of Florence

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

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

Emanuele CAMPIGLIO: Vienna University of Economics and Business

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

13:15 - 13.30

AWARD and CLOSING CEREMONY

Room TL

Fri. 17 Feb 2017

13:30 - 14:45

LUNCH

15:00 - 15:15

TRANSFER TO the University of Rome Tor Vergata Botanical Garden

15:15 - 16:30

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

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Presenters' list

Keynote lectures

Thomas STERNER, Department of Economics, University of Gothenburg

Shanti GAMPER-RABINDRAN, the Graduate School of Public and International Affairs and the Department of Economics, University of Pittsburgh

Parallel sessions

Sabrina **AUCI**, Department of Political Science and International Relations, University of Palermo

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

Fabrizio **BIZZARRI**, Head of Solar, Wind & Geo Innovative Business Opportunities, Innovation and Sustainability Global Renewable Energies, Enel Green Power

Jacopo **BONAN**, Fondazione Eni Enrico Mattei and Euro-Mediterranean Center on Climate Change

Simone **BORGHESI**, Department of Political and International Sciences, University of Siena

Martina **BOZZOLA**, Department of Economics and Management, Agricultural Economics and Policy Group (AECG) - ETH Zurich

Emanuele **CAMPIGLIO**, Vienna University of Economics and Business

Gionata **CASTALDI**, Italian Ministry for the Environment Land and Sea – TA Sogesid

Alessandro **CHIODI**, E4SMA Srl

Federica **COELLI**, Department of Economics, University of Oslo

Manuela **COROMALDI**, Department of Economics, University of Rome Niccolò Cusano

Daniel **COYSH**, HM Treasury

Nadia **CUFFARO**, Università degli Studi di Cassino e del Lazio Meridionale

Silvana **DALMAZZONE**, Department of Economics and Statistics 'S. Cagnetti e Martini', University of Torino

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

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

Giuseppe **DEROMA**, University of Cagliari

Francesca **DILUISO**, University of Rome Tor Vergata

Baran **DODA**, Grantham Research Institute on Climate Change and the Environment, London School of Economics

Fabio **EBOLI**, Italian Ministry for the Environment Land and Sea – TA Sogesid

Linus **EKMAN**, Institution of Economics, University of Copenhagen

Eric **FESSELMAYER**, Department of Economics, National University of Singapore

Damiano **FIORILLO**, Business and Economic Studies, University of Naples "Parthenope"

Vito **FRONTUTO**, Department of Economics "C. de Martini", University of Turin

Caterina **GENNAIOLI**, School of Business and Management, Queen Mary University London

Claudia **GHISSETTI**, Joint Research Centre, European Commission

Matilde **GIACCHERINI**, EDI, University of Rome Tor Vergata

Tarek M. **HARCHAOU**, Department of Global Economics & Management, University of Groningen

Gianluca **IANNUCCI**, Department of Economics and Management, University of Florence

Alessandra **LA NOTTE**, Directorate D - Sustainable Resource, EC- Joint Research Centre

Vassiliki **MANOUSSI**, Fondazione Eni Enrico Mattei and Euro-Mediterranean Center on Climate Change

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Giovanni **MARIN**, Department of Economics, Society and Politics, University of Urbino "Carlo Bo"
Marco **MODICA**, CNR-IRCRES, Research Institute on Sustainable Economic Growth
Andrea **MOLOCCHI**, Italian Ministry for the Environment Land and Sea – TA Sogesid
Sandro **MONTRESOR**, Faculty of Economics and Law, Kore University of Enna
Francesco **NICOLLI**, IRCrES CNR
Carlo **ORECCHIA**, Italian Ministry for the Environment Land and Sea – TA Sogesid
Livia **ORTOLANI**, University of Roma Tre and Bioversity International
Elena **PAGLIALUNGA**, Department of Economics, Roma Tre University
Alessandro **PALMA**, CEIS, University of Rome Tor Vergata
Claudia **PELLEGRIN**, Ecole polytechnique Federale de Lausanne
Carlos Dionisio **PÉREZ BLANCO**, Fondazione Eni Enrico Mattei and Euro-Mediterranean Center on Climate Change
Andrea **RAMPA**, Department of Economics Law and Institutions, University of Rome Tor Vergata
Roberto **ROSON**, Department of Economics, Ca' Foscari University of Venice
Francesco **SALUSTRI**, Department of Economics and Finance, University of Rome Tor Vergata
Martina **SARTORI**, Department of Economics, Ca' Foscari University of Venice
Andrea **SERNA CASTANO**, Department of Economics, Law and Institutions, University of Rome Tor Vergata
Luca **SPINESI**, Department of Economics, Roma Tre University
Balazs **STADLER**, School of Economics, University of East Anglia
Gabriele **STANDARDI**, Fondazione Eni Enrico Mattei and Euro-Mediterranean Center on Climate Change
Ornella **TAROLA**, DISSE, Sapienza University of Rome
Alessandro **TAVONI**, Grantham Research Institute, London School of Economics
Tharshini **THANGAVELU**, Department of Economics, Luleå University of Technology
Marica **VALENTE**, Humboldt University Berlin and DIW Berlin
Sergio **VERGALLI**, Dipartimento di Economia e Management, Università degli Studi di Brescia
Marcella **VERONESI**, Department of Economics, University of Verona and ETH Zurich
Emy **ZECCA**, Dipartimento di Scienze Sociali ed Economiche, Sapienza University of Rome
Vera **ZIPPERER**, Department of Climate Policy, DIW Berlin
Mariangela **ZOLI**, Department of Economics and Finance, University of Rome Tor Vergata

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Instructions for presenters and chairs

Presenters

A computer and a beamer will be available in each room for presentations. We assume that these devices will be used by presenters for their PowerPoint or LaTeX presentation, which can be brought along on a USB memory device. On the other hand, to avoid loss of time, hooking up of personal lap-tops by presenters is discouraged.

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 around 20 minutes. The suggested time allocation is: 15 minutes for presentation, 5 minutes for discussion.

Presentations will be carried out either in Italian or English, depending on the audience.

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 around 20 minutes. The suggested time allocation is: 15 minutes for presentation, 5 minutes for discussion. Chairs are invited to use any residual time for allowing further discussion from the floor.

Presentations will be carried out either in Italian or English, depending on the audience.

Moreover, chairs are kindly invited to briefly introduce and guide the discussion with the floor following each presentation and at the end of the session.



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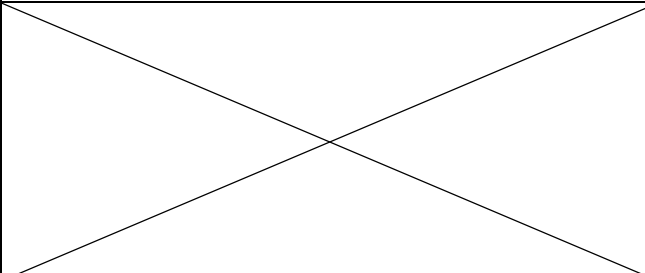
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Programme Overview

16th February THURSDAY	17th February FRIDAY
8.30-09.45 Registrations	8.45-9.45 Registrations
09.45-10.30 Opening Ceremony <i>Room TL</i>	9:45-10.45 Keynote Lecture Shanti Gamper-Rabindran <i>Aula TL</i>
10.30-11.30 Keynote Lecture Thomas Sterner <i>Room TL</i>	10.45-11.15 Coffee break
11.30-12.30 IAERE General Assembly of Members <i>Room TL</i>	11.15-13.15 Parallel sessions 3
12.30-14.00 Lunch	13.15-13.30 Award and Closing Ceremony <i>Aula TL</i>
14.00-16.00 Parallel sessions 1	13.30-14.45 Lunch
16.00-16.30 Coffee break	14.45-16.30 Social event Orto Botanico (14.45-15.15: Transfer) (15.15-16.30: Visit)
16.30-18.30 Parallel sessions 2	
...	
20.30-22.30 Conference Dinner	