



6th IAERE School

DYNAMIC AND SPATIAL MODELLING FOR ENVIRONMENTAL ECONOMICS



6th IAERE School

Dynamic and Spatial Modelling for Environmental Economics

Urbino (Italy), 11-15 July 2022

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The school is organised by:



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Welcoming letter

Welcome to the 6th IAERE School on “Dynamic and Spatial Modelling for Environmental Economics”. We are genuinely excited to see how dynamic and spatial analysis can be fruitfully applied to the field of environmental and resource economics. The course intends to introduce young scholars and researchers to theoretical and empirical models through which temporal and spatial dynamics in environmental economics can be investigated.

The IAERE School 2022 would not be possible without the excellent researchers that will be contributing to it: Gian Italo Bischi, Fabio Tramontana, Giacomo Rondina, Valeria Costantini (President Elect and Council Member of IAERE) and our distinguished Keynote Speaker Anil Markandya (lead author for the 3rd, 4th and 5th IPCC Assessment Reports and former President Elect of the EAERE). They will bring a wealth of experience and expertise — both as innovative researchers in their own rights, but also as teachers, mentors, etc.

We hope participation at the School will be an important step in your career as environmental economists. It will give you the chance to work in a collaborative setting, pitch new ideas, and learn about emerging methods and topics from stimulating faculty. It will also give you the chance to connect with new people that share your interests, to build your professional networks and learn about what others are doing, and how.

The IAERE School is intended to become one of the most important activities organized by the Italian Association of Environmental and Resource Economists (IAERE) and has been made possible by the hospitality of the University of Urbino ‘Carlo Bo’.

We look forward to getting to know you and your research this week!

Giovanni Marin and Elena Paglialunga

School Co-Coordinator

The Organisers

Italian Association of Environmental and Resource Economists (IAERE)



www.iaere.org

The Italian Association of Environmental and Resource Economists is a scientific Association that aims at:

- (a) contributing to the development and application of environmental and resource economics as a science in Italy;
- (b) encouraging and improving communication between teachers, researchers and students in environmental and resource economics;
- (c) developing and encouraging the cooperation between university level teaching institutions and research institutions in Italy;
- (d) making available to institutions research results and encourage their application to develop and encouraging cooperation among companies, trade unions and environmental NGOs.

The Association accomplishes its aims mainly by organizing workshops, conferences, exhibitions, seminars, meetings, panels, cooperating with journals and promoting postgraduate courses.

The Association was founded in 2012, and is based in Venice.

Up-to-date information about IAERE activities can be found at www.iaere.org.

University of Urbino 'Carlo Bo'



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DI URBINO
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www.uniurb.it

The University of Urbino 'Carlo Bo' was founded in 1506 by the Guidubaldo I da Montefeltro (1482-1508), Duke of Urbino. The university is entitled to Carlo Bo (1911-2001), who has been Chancellor from 1947 to 2001. The University is now composed by six departments and offers 14 bachelor's degrees, 20 master degrees and 4 PhD programs. As of 2016, the University of Urbino enrolled about 14,000 students.

The Department of Economics, Society and Politics (DESP) carries out inter-disciplinary research activities in many different fields: economics, social studies, philosophy, political studies and management. The department manages and coordinates the teaching activities of two different schools: the Schools of Economics and the School of Social and Political Sciences.

More information about the University of Urbino and the Department of Economics, Society and Politics can be found at www.uniurb.it and www.desp.uniurb.it

**Interuniversity Centre Sustainability
Environmental Economics and Dynamics Studies
(SEEDS)**



www.sustainability-seeds.org

SEEDS is an interuniversity research centre. It develops research and higher education projects in the fields of ecological and environmental economics, with a special focus on the role of policy and innovation.

Main fields of action are environmental policy, economics of innovation, energy economics and policy, economic evaluation by stated preference techniques, waste management and policy, climate change and development.

SEEDS and its members support and organize annual workshops, conferences, meetings, teaching activities, PhD programme and participate in national and international research projects in the field of sustainable environmental economics.

Up-to-date information about SEEDS activities can be found at www.sustainability-seeds.org.

Gruppo Economisti Urbino (GEU)



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www.geu.uniurb.it

GEU gathers economists from the University of Urbino Carlo Bo, the Department of Economics, Politics, Society (DESP) and other departments of the University.

Main fields of research involve economic issues ranging from economic growth, the labour market, SMEs, production sectors, financial markets, innovation, technology transfer, internationalisation and economic and industrial policies. GEU's research activity takes the form of scientific publications in international and national journals, books, reports and publications.

GEU economists are active participants in major national and international economic debates, contributing both with scientific publications in leading international journals and with activities in the main news media.

More information about the GEU can be found at www.https://geu.uniurb.it.



Programme Overview

| | Mon 11 July | Tue 12 July | Wed 13 July | Thu 14 July | Fri 15 July |
|-------------|---|---|---|---|---|
| | Room: A1 | Room: Amaranto | Room: A1 | Room: CDC | Room: A1 |
| 9:30-11:00 | | 1 BISCHI "Qualitative theory of dynamical systems and applications to ECO/logy/nomy. Continuous time (Part I)" | 4 MARKANDYA "Granularity in Climate Modelling of Economic Impacts: Benefits, Costs and Trade-offs" | 7 RONDINA "The Macroeconomic Theory of Sustainability (Part II)" | 10 RONDINA "The Macroeconomic Theory of Sustainability (Part II)" |
| 11:00-11:30 | | Coffee break | Coffee break | Coffee break | Coffee break |
| 11:30-13:00 | | 2 RONDINA "The Macroeconomic Theory of Sustainability (Part I)" | 5 COSTANTINI "The geography of climate-related socio-economic impacts: conflicts, migration and inequality (Part I)" | 8 TRAMONTANA "Qualitative theory of dynamical systems and applications to ECO/logy/nomy. Discrete time (Part I)" | 11 PAGLIALUNGA "Environmental innovation and spillover effects" |
| 13:00-14:00 | | Light lunch | Light lunch | Light lunch | Light lunch |
| 14:00-15:30 | Welcome address and Egg-timer presentations by students | 3 BISCHI "Qualitative theory of dynamical systems and applications to ECO/logy/nomy. Continuous time (Part II)" | 6 COSTANTINI "The geography of climate-related socio-economic impacts: conflicts, migration and inequality (Part II)" | 9 TRAMONTANA "Qualitative theory of dynamical systems and applications to ECO/logy/nomy. Discrete time (Part II)" | Roundtable |
| 15:30-16:00 | | Discussion | Discussion | Discussion | |
| 20.00 | | | Social dinner | | |



School background material

The School background material is available at: [Google Drive](#)



Detailed Programme

Day 1 – Monday, July 11th, 2022

14:00-16:00 **Welcome address and egg-timer presentations by students**

Day 2 – Tuesday, July 12th, 2022

9:30-11:00 **MODULE 1**
Prof. GIAN ITALO BISCHI
 "Qualitative theory of dynamical systems and applications to ECO/logy/nomy. Continuous time (Part I)"

11:00-11:30 *Coffee break*

11:30-13:00 **MODULE 2**
Prof. GIACOMO RONDINA
 "The Macroeconomic Theory of Sustainability (Part I)"

13:00-14:00 *Light lunch*

14:00-15:30 **MODULE 3**
Prof. GIAN ITALO BISCHI
 "Qualitative theory of dynamical systems and applications to ECO/logy/nomy. Continuous time (Part II)"

15:30-16:00 **DISCUSSION**

Day 3 – Wednesday, July 13th, 2022

9:30-11:00 **MODULE 4**
Prof. ANIL MARKANDYA
 "Granularity in Climate Modelling of Economic Impacts: Benefits, Costs and Trade-offs"

11:00-11:30 *Coffee break*

11:30-13:00 **MODULE 5**
Prof. VALERIA COSTANTINI
 "The geography of climate-related socio-economic impacts: conflicts, migration and inequality (Part I)"

13:00-14:00 *Light lunch*

14:00-15:30 **MODULE 6**
Prof. VALERIA COSTANTINI
 "The geography of climate-related socio-economic impacts: conflicts, migration and inequality (Part II)"

15:30-16:00 **DISCUSSION**

20:00 **SOCIAL DINNER**

Day 4 – Thursday, July 13th, 2022

9:30-11:00 **MODULE 7**
Prof. GIACOMO RONDINA
 "The Macroeconomic Theory of Sustainability (Part II)"

11:00-11:30 *Coffee break*

11:30-13:00 **MODULE 8**
Prof. FABIO TRAMONTANA
 "Qualitative theory of dynamical systems and applications to ECO/logy/nomy. Discrete time (Part I)"

13:00-14:00 *Light lunch*

14:00-15:30 **MODULE 9**
Prof. FABIO TRAMONTANA
 "Qualitative theory of dynamical systems and applications to ECO/logy/nomy. Discrete time (Part II)"

15:30-16:00 **DISCUSSION**

Day 5 – Friday, July 15th, 2022

9:30-11:00 **MODULE 10**
Prof. GIACOMO RONDINA
 "The Macroeconomic Theory of Sustainability (Part III)"

11:00-11:30 *Coffee break*

11:30-13:00 **MODULE 11**
Dr. ELENA PAGLIALUNGA
 "Environmental innovation and spillover effects"

13:00-14:00 *Light lunch*

14:00-15:30 **Roundtable**
Prof. STEFANO CLO'
Prof. GERMANA GIOMBINI
Prof. GIACOMO RONDINA
Prof. GIUSEPPE TRAVAGLINI



Participants' List

Faculty Members

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Practical Information

School Venue

The school venue is **Palazzo Battiferri** (via Aurelio Saffi, 42 Urbino) that is located in the city centre of Urbino, few metres from Palazzo Ducale and Piazza della Repubblica.

The school takes place at:
Room A1 (Monday, Wednesday, Friday)
Room Amaranto (Tuesday)
CDC (Thursday)



Coffee breaks

Coffee breaks are served at the bar of Palazzo Battiferri.

Lunches

Lunches are served at:

La Cucina Di Taty
Piazza della Repubblica 13
Urbino



Social Dinner

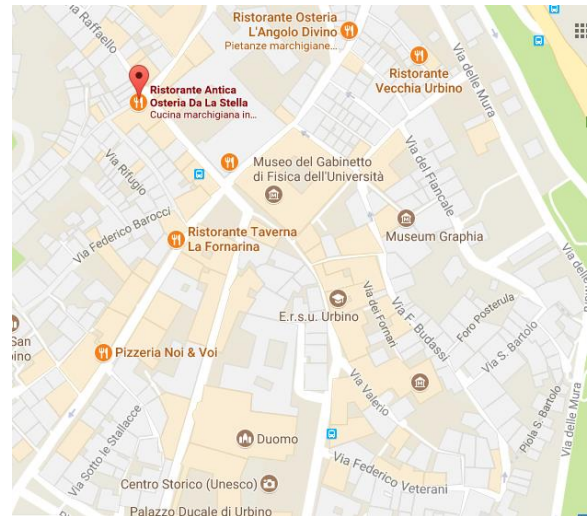
The Social Dinner takes place on Wednesday July 13th, at 20.00, at:

Antica Osteria "La Stella"

Via Santa Margherita, 1

Urbino

<http://www.anticaosteriadalastella.com/>



Emergency Numbers

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|---------------------------------------|-----|
| Police emergency call | 113 |
| Police (European Mobile Phone Users) | 112 |
| Fire Department | 115 |
| First aid | 118 |
| Operator assisted international calls | 170 |



IAERE Secretariat

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