



2nd IAERE School

**INPUT OUTPUT ANALYSIS FOR
ENVIRONMENTAL AND RESOURCE ECONOMICS**



2nd IAERE School Input Output Analysis for Environmental and Resource Economics

Palazzo Passionei Paciotti, University of Urbino 'Carlo Bo'
Urbino, September 26-29, 2017



Deadline to apply: **June 30, 2017**

<http://www.iaere.org/school/>

Organized by:



1506
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DI URBINO
CARLO BO



The Italian Association of Environmental and Resource Economists (IAERE – www.iaere.org) is launching a School series aiming at providing advanced training for young international scholars on issues of environmental and resource economics.

The 2nd IAERE School will be organized in cooperation with the University of Urbino ‘Carlo Bo’, and will focus on input-output analysis as a tool for environmental and resource economics. It will take place in Urbino, at the University of Urbino, from the 26th to the 29th of September 2017.

Objectives

Input-output analysis is one of the most widely applied methods to evaluate the link between the economy and the environment accounting for the inter-dependency of industries and countries. Developed by Wassily Leontief (Nobel Prize in Economics 1973) in the 1930s, input-output analysis has recently regained the attention of the academic community and policy makers for the evaluation of the environmental and socio-economic consequences of trade and structural change.

The aim of the course is twofold. First, the course intends to introduce the basics of input-output analysis, with both theoretical and practical lectures on applications to environment-related issues. Second, recent developments, extensions and applications of input-output analysis for the study of environment-related issues will be presented and discussed.

Topics

- Basics of input-output and national accounting
- The Leontief model
- Environmentally Extended Input-Output Analysis: theory and applications
- Multi-regional input output analysis
- Structural decomposition analysis for environmental and resource economics
- Overview of existing input-output databases
- The relationship between input-output analysis and lifecycle assessment: theory and applications
- Water and input-output analysis

Structure

Three modules and one final discussion are scheduled each day:

- 9:30-11:00 Module 1
- 11:00-11:30 Coffee break
- 11:30-13:00 Module 2
- 13:00-14:00 Light lunch
- 14:00-15:30 Module 3
- 15:30-16:00 Discussion

The first day will begin at 9:00 with a welcome address and an introduction. A social dinner will be organized.



Faculty

- Prof. Paolo Costa, 'Ca' Foscari' University of Venice – Keynote Speaker
- Dr. Alessandro Cerutti, Joint Research Centre of the European Commission
- Dr. Stephan Lutter, Institute for Ecological Economics, Vienna University of Economics and Business
- Dr. Giovanni Marin, University of Urbino 'Carlo Bo' – School Co-Coordinator
- Prof. Roberto Roson, 'Ca' Foscari' University of Venice and Institute for Energy and Environmental Economics (IEFE)
- Dr. Martina Sartori, 'Ca' Foscari' University of Venice and Institute for Energy and Environmental Economics (IEFE) – School Co-Coordinator

Prof. Paolo Costa

'Ca' Foscari' University of Venice



Paolo Costa is a former Professor of Regional Economics, Economic Programming and Economics at Ca' Foscari University of Venice. Graduated in Economics at 'Ca' Foscari' University of Venice in 1968, Paolo Costa has been assistant professor and, from 1980, full professor (Urban and Regional Economics) at the University Institute of Architecture in Venice, and from 1982 at the 'Ca' Foscari' University of Venice. Prof. Costa served as Minister of Public Works (1996-1998), Member of the European Parliament (1999-2009), Mayor of Venice (2000-2005) and President of Venice Port Authority (2008-2017). He was Chancellor of the 'Ca' Foscari' University of Venice from 1992 to 1996 and Vice President of the United Nations University in Tokyo

(1993-1998). Prof. Costa has been Visiting Professor at the Department of Geography, University of Reading, UK (1975), Visiting Research Scientist at the Institute for Economic Analysis, New York University (1980), Visiting Professor at the Department of Economics, New York University (1983) and Visiting Professor at the French and Italian Department, New York University (1988). Together with Prof. Wassily Leontief, he was appointed by the Italian government to be part of the Scientific Committee for the draft of the General Transport Plan (1985-87). His research focus on input-output analysis applied to regional and environmental issues and to the transport and tourism sectors.



Dr. Alessandro Cerutti

Joint Research Centre of the European Commission at Ispra (Italy)



Dr. Alessandro Cerutti holds a PhD degree in Agriculture, Forestry and Food Science from University of Turin (Italy) conducting researches on the use of bottom-up and top-down approaches for assessing the environmental sustainability of food production systems and consumption patterns. He is currently employed at the European Commission, Joint Research Centre, Bioeconomy Unit focusing his activities on the application of standard and hybrid Environmentally Extended Input-Output Analysis for assessing impacts related to household consumption patterns in Europe.

He has been a member of the Directory Board of the Institute for Interdisciplinary Research on Sustainability based in Turin and he collaborated with several institutions among which the Italian Network of LCA; the Master in Green Management, Energy and Corporate Social Responsibility (MaGER), Bocconi University; the Regio Collegio Carlo Alberto, Moncalieri (Italy) and the Department of Economy and Management, University of Brescia (Italy).

He is an author of over 90 scientific and technical publications on national and international journals and books. He taught in several courses, among which “Environmental accounting and socio-metabolic indicators” in the Master in Sustainability of Socio Ecosystems and food networks at the UNESCO Chair for Sustainable Development, based in Turin and the International Summer Campus of the Eating City Platform in Paris.

Dr. Stephan Lutter

Institute for Ecological Economics, Vienna University of Economics and Business



Stephan Lutter is Researcher at the Vienna University of Economics and Business (WU Wien) and Deputy Head of Research of the Research Group “Sustainable Resource Use”. He received a Ph.D. in Natural Resources and Life Sciences from the University of Natural Resources and Life Sciences, BOKU, Vienna, and obtained a master degree in Natural Resource Management and Ecological Engineering from BOKU, Vienna, and Lincoln University, New Zealand, and a master in Environmental Engineering from BOKU, Vienna. Dr. Lutter has been involved in many EU funded research projects on input-output analysis, including DESIRE, CREEA and EXIOPOL. His

main research interests are ecological economics, industrial ecology, environmental accounting (including material and water flows) and global responsibility.



Dr. Giovanni Marin
University of Urbino 'Carlo Bo'
School Co-Coordinator



Dr. Giovanni Marin is Co-Coordinator of the 2nd IAERE School. Graduated in Economics at the University of Ferrara, Marin received a Doctoral degree in Economics, Markets and Institutions from the IMT Institute of Advanced Studies Lucca. He is assistant professor at the Department of Economics, Society and Politics of the University of Urbino 'Carlo Bo' since November 2016 and research affiliate of the SEEDS (Sustainability Environmental Economics and Dynamics Studies). Formerly, he was researcher at the Institute for Sustainable Economic Growth of the National Research Council of Italy (IRCrES-CNR). He is part of the team of the

European Topic Centre on Waste and Materials in the Green Economy (ETC-WMGE) maintained by the European Environment Agency. His main interests are focused on environmental innovation and the role of structural change, with a particular emphasis on the relationship between environmental policy and performance and employment.

Prof. Roberto Roson

Ca' Foscari University of Venice and Institute for Energy and Environmental Economics (IEFE)



Graduated at 'Ca' Foscari' University of Venice, Roson received a doctoral degree in Economics from the University of Umeå (Sweden). He has been "visiting fellow" at the Free University of Amsterdam, at the University of Warwick, at S. Francisco Xavier U. (Sucre, Bolivia), San Simon U. (Cochabamba, Bolivia), University of Barcelona, as well as at the World Bank (Washington) and at the Institute of Developing Economies - JETRO (Chiba, Japan). He is currently Professor at Università di Venezia 'Ca' Foscari', teaching Industrial Organization and International Economics, and affiliated with the IEFE Research Centre of Bocconi University in Milan. He is the author of several articles published in books and international scientific journals, and

coordinator of several applied research projects, including the European FP7 project WASSERMed. He has been consultant for several organizations, including: European Commission (JRC), World Bank, United Nations and FAO. His research interests deal primarily with environmental economics, computable models for economic policy simulation and with the industrial organization of service industries.



Dr. Martina Sartori

Ca' Foscari University of Venice and Institute for Energy and Environmental Economics (IEFE)

School Co-Coordinator



Dr. Martina Sartori is Co-Coordinator of the 2nd IAERE School.

Dr. Martina Sartori holds a PhD degree in Economics from the University of Milan. She graduated in International Economics at Ca' Foscari University of Venice, where she is a post-doc researcher. She is also junior research fellow at the Centre for Research on Energy and on Environmental Economics and Policy (IEFE-Bocconi University). Formerly, she was post-doc at the University of Trento. She has been research consultant at the World Bank, the European University Institute, and has collaborated with the Euro-Mediterranean Centre for Climate Change. Her academic teaching experiences include microeconomics, macroeconomics, industrial and international economics. Her major research interests are about computable general equilibrium modeling for environmental policy assessment, water economics and network analysis.

Target

Graduate students and working professionals from any university, research institute, or other organization (private companies, government agencies, NGOs) with an interest in environmental issues and ability to read and write fluently in English. Advanced undergraduates will also be considered.

Number of students

The minimum number of students for the activation of the program is 15. The maximum number of students is 30.

Participation Fees

IAERE Members EUR 450

Non IAERE Members EUR 500 (This fee includes a 2017 IAERE membership)

The participation fee includes:

- Downloadable course material
- Participation Diploma
- Coffee breaks and light lunches included in the School programme
- One social dinner

Accommodation is not included. The organizing committee of the school will provide information about budget accommodation in Urbino.



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Any other meal not mentioned in the programme is not included.

Successful candidates will receive information about modes of payment once admitted to the School.

How to apply

Applicants are kindly requested to fill in the application form available at <http://www.iaere.org/school>

Application deadline is **June 30, 2017**.

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