



Lucia Rocchi

Associate professor at University of Perugia- Dept. of Agriculture, Food and Environment

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Interests

- Sustainability assessment
- Environmental and Land Use Assessment
- Bioeconomics
- Environmental and resources economics
- Sustainable Rural Development

Skills

Statistics software:

- NLogit ●●●●●
- R ●●●●●
- STATA, SPSS ●●●●●

GIS Tools:

- QGIS ●●●●●

LCA analysis:

- SimaPro ●●●●●
- OpenLCA ●●●●●

MCDA tools:

- Visual PROMETHEE ●●●●●
- SSAM ●●●●●
- DecSPACE, Definite ●●●●●
- MCDA Package for R ●●●●●

Working Experience

- July, 2022 – ongoing **Associate Professor** University of Perugia, IT
Associate Professor in Agricultural Economics and Appraisal, Dept. Agricultural, Food and Environmental Sciences.
- Dec, 2009 – June, 2022 **Assistant Professor** University of Perugia, IT
Assistant Professor in Agricultural Economics and Appraisal, Dept. Agricultural, Food and Environmental Sciences.
- 2020 – 2021 **Consultant** Tuscany Region, IT
Strategic Environmental Assessment of the Interreg Italy-France Maritime 2021-2027 - European Regional Development Fund (ERDF).
- 2013 **Consultant** Umbria Region, IT
Strategic Environmental Assessment of the 2014-2020 ERDF ROP - European Regional Development Fund (ERDF).
- 2013 **Consultant** Tuscany Region, IT
Strategic Environmental Assessment of the Interreg Italy-France Maritime 2014-2021 - European Regional Development Fund (ERDF).
- 2006 **Consultant** Umbria Region, IT
Strategic environmental assessment of the 2007-2013 Rural Development Program
- Sep, 2005 – July, 2006 **Consultant** Agrifood Technology Park, IT
Consultant for the Integrating projects of Agrifood Supply Chains (RDP 2000-2006).

Education

University Studies

- 2005 – 2009 **Ph.D. in Sustainable development, Land and Environment** UNIPG, Italy
Title: Economic evaluation of Montedoglio waters for recreational and environmental purposes.
Supervisors: Prof. Antonio Boggia.
Grade: ECTS: A
Choice Experiments Water Mixed Logit Latent class
- 2000 – 2005 **M.Sc. in Agricultural Sciences and Technologies** UNIPG, Italy
Title: Use of Environmental certification in agriculture: a case study.
Supervisors: Prof. Antonio Boggia and Prof. Francesco Pennacchi
Grade: ECTS: A
EMAS II SGA Environmental Certification Management

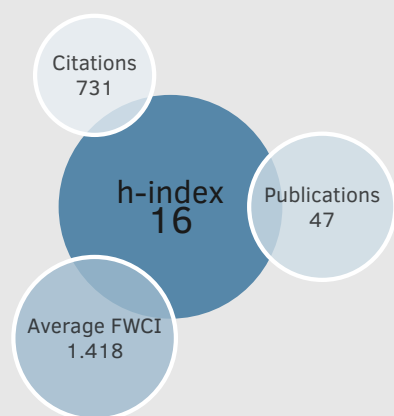
Other Training

- JUL 2013 **11th MCDA/M Summer School** Helmut-Schmidt Universität Hamburg, DE
Summer School of the International Society on MCDM
- April 2010 **COST IC0602 International Doctoral School** University of Lisbona, PT
Algorithmic decision theory: Computational social choice
- April 2009 **COST IC0602 International Doctoral School** University College of Cork, IRL
Advanced topics in decision theoretical artificial intelligence
- Feb 2009 **Advanced postgraduate course** CIHEAM of Zaragoza, SP
The economics of Natural resources and the environmental
- 2008 – 2009 **Diploma** Centro Studi Città di Foligno, IT
Expert in free and Open Source GIS for spatial data management, analysis and publication
- Sep 2008 **Advanced postgraduate course** Cide, IT
Microeconometrics for sectional data and panel data

Short Bio

Lucia Rocchi graduated with honors from the Faculty of Agriculture of Perugia in 2005 and obtained her PhD in Sustainable Rural Development in 2009 with a thesis entitled Economic evaluation of Montedoglio waters for recreational and environmental purposes. Over the years, she has developed several research collaborations, including with Riga Technical University, the University of Malta, Miguel Hernandez University in Elche, and Vytautas Magnus University.

Metrics (Scopus)



Profiles



Languages

Italian (Mother Tongue)

English (C1)

Spanish (B1)

Editorial duties

Member of the editorial board of the journal Aestimum. Member of the review board of the journal Sustainability. Member of the Topical Advisory Panel for Land. Reviewer for numerous international journals.

Current teaching assignments

Postgraduate Courses

DSA3, University of Perugia	M.Sc. Animal Science Environmental Economics	AA 2015/16 – ongoing
DSA3, University of Perugia	PhD course in Agricultural, Food and Environmental Science and Biotechnology Agriculture and Ecosystem services: themes and assessment	AA 2019/20 – ongoing

Undergraduate Courses

DSA3, University of Perugia	Agro-food Sciences and Technologies Agricultural Economics	AA 2019/20 – ongoing
DSA3, University of Perugia	Agricultural and Environmental Sciences Agricultural Economics	AA 2019/20 – ongoing

Current Academic Supervision

2023–	Payment for Ecosystem Services in Natura 2000 using a participatory place-based Approach	Ph.D.
2023–	Use of a Life-Cycle Assessment (LCA) approach in the integrated management of fungal diseases of bread wheat	Ph.D.
2023–	Environmental and Economics valuation of an innovative halponics system using a life cycle approach	M.Sc.

Institutional assignments and activities

2020 – ongoing	Secretary of the Commission for Sustainability of University of Perugia.
2018 – ongoing	Coordinator of the Tutoring Commission of the Department of Agricultural, Food and Environmental Sciences of the University of Perugia.

Recent Invited Talks

04-05.05.2021	3rd International Conference Sustainable Bioeconomy Development 2021: Adaptation to Climate Change European Bioeconomy Strategy and Agenda 2030: Sinergies, Trade-off and Monitoring.	Kanaus, Lithuania
20-21.05.2021	2nd International Conference Sustainable Bioeconomy Development 2021: Adaptation to Climate Change Circular Economy and SDGs: Connections for a more sustainable development model.	Kanaus, Lithuania
14-15.05.2021	Conference on Environmental and Climate Technologies - CONECT 2021 Circular Economy contribution to the 2030 Agenda: where we are going.	Riga Techn. Univ.
14-15.05.2021	XXX EURO, European Conference on Operations Research Environmental valuation and MCDA: where we are going.	Dublin University
14-15.05.2021	XXX EURO, European Conference on Operations Research The evaluation of territorial sustainability in the framework of the United Nations Sustainable Development Goals (SGDs).	Dublin University

Current Project involvement

International

H2020 Project (GA 816172)	PPILOW, Poultry and PIg Low-input and Organic production systems' Welfare	Duration 2019-2024
LIFE19 IPE/IT/000015	LIFE IMAGINE UMBRIA, Integrated Management and Grant Investments for the N2000 NETwork in Umbria	Duration 2021-2027
LIFE18 NAT/IT/000931	LIFE STREAM, Salmo ceTii REcovery Actions in Mediterranean	Duration 2019-2024
Horizon 2020 (GA 101000395)	PATHWAY, Pathways for sustainable food	Duration 2021-2026
Erasmus+ (101111549)	LIVET, Livestock farming and One Health approach: Towards a multidisciplinary VET framework for technicians	Duration 2023-2026

National

PRIN 2022	RABBIT- No cage system for rabbits: indoor and outdoor scenarios	Duration 2023-2025
PRIN PNRR 2022	Vertic Hal Ponics- Vertical halponics: exploiting brackish water resources for sustainable, resilient and high valuable aquaponics productions	Duration 2023-2025

Recent publications

Journals

- Calciolari F., Novikova A., Rocchi L. 2021. Climate Change and Lithuania's Livestock Farms: Awareness and Reactions, an Explorative Study. *Sustainability* 13 (19):10567.
- Di Capua SE, Paolotti L., Moretti E., Rocchi L., Boggia A. 2021. Evaluation of the Environmental Sustainability of Hemp as a Building Material, through Life Cycle Assessment. *Environmental and Climate Technologies* 25(1):1215-1228.
- Rocchi L., Cartoni Mancinelli A., Paolotti L., Mattioli S., Boggia A., Papi F., Castellini C. 2021 Sustainability of Rearing System Using Multicriteria Analysis: Application in Commercial Poultry Production. *Animals* 11(12):3483.
- Rocchi L., Paolotti L., Cortina C., Fagioli F.F., Boggia A. 2021. Measuring circularity: an application of modified Material Circularity Indicator to agricultural systems. *Agricultural and Food Economics* 9(1):9.
- Pelaracci S., Rocchi L., Romagnoli F., Boggia A., Paolotti L. 2022. Agricultural Co-Product Management: An LCA Perspective on the Use of Safflower Oilcake from Bio-Oil Production in Umbria Region, Italy. *Environmental and Climate Technologies* 26(1):25-35.
- Ricciolini E., Rocchi L., Cardinali M., Paolotti L., Ruiz F., Cabello M.,
- Boggia A. 2022. Assessing Progress Towards SDGs Implementation Using Multiple Reference Point Based Multicriteria Methods: The Case Study of the European Countries. *Social Indicator Research* 162:1233-1260.
- Rocchi L., Novikova A., Vaznonis B. 2022. Assessing Consumer Preferences and Willingness to Pay for Agricultural Landscape Attributes in Lithuania. *Land*, 11(10):1620.
- Boggia A., Paolotti L., Martino G., Rocchi L. 2022. Comparative analysis of different alternatives for sustainable short rotation woody crops in Central Italy. *Science of the Total Environment*, 836:155638.
- Rocchi L., Ricciolini E., Massei G., Paolotti L., Boggia A. 2022. Towards the 2030 Agenda: Measuring the Progress of the European Union Countries through the SDGs Achievement Index. *Sustainability*, 14(6):3563.
- Rocchi L., Farneselli M., Paolotti L., ...Guiducci M., Boggia A. 2022. Life Cycle Inventory for Safflower Production in Southern Europe. *Environmental and Climate Technologies*, 26(1):862-870.
- Paolotti L., Rocchi L., Boggia A. 2022. Environmental Assessment of the Fresh Sausage Transformation Process in the Italian Context: An LCA Study. *Environmental and Climate Technologies*, 26(1):484-498.
- Meloni G., Rocchi L. 2022. Avoiding Food Wastage: The Net Impact of Maisto Bankas Activities. A Carbon Footprint Approach. *Environmental and Climate Technologies*, 26(1):240-255.
- Oliveira VT, Teixeira D, Rocchi L, Boggia A. 2022. Geographic Information System Applied to Sustainability Assessments: Conceptual Structure and Research Trends. *ISPRS International Journal of Geo-Information* 11 (11):569.
- Boggia A., Fagioli F.F., Paolotti L., Ruiz F. Cabello J.M., Rocchi L. 2023. Using accounting dataset for agricultural sustainability assessment through a multi-criteria approach: an Italian case study. *International Transactions in Operational Research*, 30 (4):2071-2093.
- de Oliveira V.T., Teixeira D., Rocchi L., Boggia A. 2023. Trends in sustainability assessment supported by geographic information systems: A bibliometric approach. *Environmental Science and Policy* 141:117-125.

- Rocchi L., Campioni R., Brunori A., Mariano E. 2023. Environmental certification of woody charcoal: A choice experiments application. *Forest Policy and Economics* 154:103042.
- Rocchi L., Paolotti L., Tiralti A., Stranieri P., Boggia A. 2023. The Italian National Strategy for Sustainable Development and the Covid-19 impact: a regional analysis. *Aestimum* 82, 19-38.
- Paolotti L., Corridoni F., Rocchi L., Boggia A. 2023. Evaluating Environmental Sustainability of Pasta Production through the Method LCA. *Environmental and Climate Technologies* 27 (1), 593-605.
- Ricciolini E., Tiralti A., Paolotti L., Rocchi L., Boggia A. 2023. Sustainable development according to 2030 agenda in European Union countries: Evidence of the enlargement policy. *Sustainable Development*, 1-19