

SANDRA NOTARO

ASSOCIATED PROFESSOR

Department of Economics and
Management University of Trento

- Visiting Professor at the Department of Agricultural and Natural Resource Economics, Colorado State University, Fort Collins, USA (Feb-Aug 2018; Jan-June 2023)
- Assistant Professor at the University of Trento, Department of Economics and Management (2002-2014)
- Visiting Scholar at the Department of Agricultural and Applied Economics, University of Wisconsin, Madison, USA (Aug 1996-May 1997).
- Researcher at the Istituto Agrario S.Michele all'Adige – Trento (1998-2000)

EDUCATION

Ph.D. in Environmental and Mountain Economics at the Department of Economics, University of Trento, Italy (1998).

MS in Economics. Grade 110/110 cum laude, the University of Trento (1993).

HONOURS AND PRIZES

- National Scientific Qualification (ASN), I fascia (Full Professor) in the area 07/A1 (Economia agraria ed estimo) (10/01/2020).
- Funding for basic research activities (FFABR) – MIUR (Ministry of Education, University and Research), 2017
- National Scientific Qualification (ASN), II fascia (Associate Professor) in the area 07/A1 (Economia agraria ed estimo) (06/02/2014).
- Member of the Management Committee, and the representative for Italy, European Project: COST Action E45 (EUROpean FORest EXternalities, EUROFOREX). (2006-2010)
- Manlio Rossi-Doria National Prize, for the disciplines of Economics, Economic Policy, History, and Sociology, for the doctoral thesis. (1999).

CURRENT RESEARCH INTEREST

Agricultural and Food Economics, Resource Economics and Management, Sustainable Development, Non-market Valuation (Choice Experiments, Contingent Valuation, Travel Cost, and Substitution Cost Method).

AREAS OF RESEARCH

My research areas fall within Agricultural Economics and Environmental and Natural Resource Economics. At the beginning of my career, my attention mainly focused on the economic relationships between resources, agriculture, and the environment in mountain areas and the effects of the Common Agrarian Policy on mountain agriculture, with a particular focus on sustainable agricultural land use. Later on, my research interest moved toward the socio-economic impact of natural resource conservation actions and the evaluation of ecosystem services of forests and natural areas. This line of research follows a multidisciplinary approach. I have been involved in international and national projects with natural scientists, forest engineers, and agronomists, whose interactions are fundamental when evaluating environmental goods and services. Recently this line of research has been extended toward the application of circular economy principles in relation to sustainable consumer behavior for food and products derived from agricultural and forestry raw materials.

The approaches used in the evaluation of non-market goods are those of Revealed Preference (Travel Cost), Stated Preference (Contingent Evaluation and Discrete Choice Experiments), and Cost Based approaches (Substitution Cost). I apply Discrete Choice Experiments both in the field - Hypothetical Stated Choice - and with incentivized experiments in the laboratory - Non-Hypothetical Stated Choice. In the COST E45 (EUROpean FORest EXternalities, EUROFOREX), I contributed to designing non-market valuation guidelines for forest goods and services. The guidelines have been published in the *Journal of Forest Economics*. In the Horizon Europe MARBEFES project (MARine Biodiversity and Ecosystem Functioning leading to Ecosystem Services), I am contributing to designing economic guidelines for valuing marine ecosystem services.

From a methodological point of view, for Hypothetical Stated Choice methods, I have primarily focused on the validity of estimates, approaches to reduce biases - including hypothetical bias-, risk elicitation, and the preference formation process, mainly referring to Behavioral Economics and Social Psychology. In particular, I have investigated the scale effect of elicitation formats, and the influence of risk perception, priming, attitudes, and cognitive and emotional aspects, on stated preferences. For Non-Hypothetical Stated Choices, I have mainly focused on the role of subjective probabilities on preferences, the dependence of choices on information, and the framing with which it is provided.

BIBLIOMETRICS (MAY 23, 2023)

Scopus database: 31 documents, 559 citations, H-Index: 13.

<https://www.scopus.com/authid/detail.uri?authorId=35091280600>

Web of Science: 27 documents, 489 citations, H-Index: 12.

<https://www.webofscience.com/wos/author/record/AGO-8566-2022>

Google Scholar: 1217 citations, H-Index: 17, i10-Index 25.

<https://scholar.google.com/citations?user=mK-3AUAAAAAJ&hl=it>

INVITED SEMINARS AND CONFERENCE PRESENTATIONS

Presentation of oral contributions at 98 international conferences and invited seminars.

JOURNAL REFEREEING

American Journal of Agricultural Economics, Australian Journal of Agricultural and Resource Economics, African Journal of Agricultural Research, Bio-based and Applied Economics, Conservation Biology, Ecological Economics, Ecological Modelling, Ecosystem Services, Energies, Environmental and Resource Economics, Environment and Development Economics, European Review of Agricultural Economics, Food Policy, Forest Policy and Economics, Forests, Frontiers in Psychology (section Environmental Psychology), German Journal of Agricultural Economics, Heliyon, Journal of Behavioral and Experimental Economics, Journal of Cleaner Production, Journal of Environmental Economics and Policy, Journal of Environmental Management, Journal of Environmental Research and Public Health, Journal of Forest Economics, Journal of Policy Research on Tourism Landscape and Urban Planning, Land Use Policy, Leisure and Events, La Questione Agraria, Rivista di Economia Agraria, Sustainability, Sustainable Production and Consumption, Urban Forestry & Urban Greening.

PROFESSIONAL SERVICE

- Member of the Foundational Consortium and the Executive Board of the International Research Association ATHENA - Association of Tourism, Hospitality and Events Networks in Academia. (since 2022)
- Member of the Foundational Consortium of Tourism Naturally Conference (Colorado State University (US), University of Trento (Italy), University of Derby (UK), University of Applied Science of the Grisons (Switzerland), University of Pisa (Italy), University of Sunderland (UK), Deggendorf Institute of Technology (Germany), Central China Normal University (China), (since 2018)

- Topic Editor of the Journal Sustainability (since 2020)
- Editor “Archivio Scialoja-Bolla - Annali di Studi sulla Proprietà Collettiva”, Centro Studi e documentazione sui demani civici e le proprietà collettive. University of Trento (Italy), (since 2002)

TEACHING

Ph.D. level

- Environmental valuation: stated preference approaches, Doctoral School of Social Sciences, SUSTEEMS - Sustainability: Economics, Environment, Management and Society - University of Trento (since 2022)
- Non-market valuation environmental valuation methods (Doctoral School of Social Sciences, Susteems - Sustainability: Economics, Environment, Management and Society - University of Trento (2020-2021)
- Environmental economics (Doctoral School of Social Sciences, DELoS - Development Economics and Local Systems - Universities of Trento and Florence (2018-2020)
- Environmental economics and resource valuation (Ph.D. in Economics and Management) (2007-2009)
- Advances in Environmental Economics (Ph.D. in Economics and Management), (2007-2009)

Master level

- Methods for consumer’s preferences/choices evaluation (since 2016)
- Sustainable management of natural resources (since 2016)
- Economic valuation of tourist- environmental and cultural goods (2012-2015)
- Natural Resource Management (since 2006)
- Policy for Sustainable Development (2008-2011)
- Sustainable Development and Policies to Enhance it (Master on Local Development for Balkans) (2001-2005).
- Economia Aziendale, Consortium University of Wiesbaden (Germany) – University of Udine - Istituto Agrario di S. Michele all’Adige
- Econometrics, (course module) (2014)
- Advanced Data Analysis and Mathematical Models, (course module) (2014)
- AREC 440 “Advanced Environmental and Resources Economics” Colorado State University, Department of Agricultural and Resource Economics – Colorado, USA (course module), 2023

Bachelor level

- Laboratory of Market Analysis (since 2015)
- Business Economics (1997-2003)
- AREC 340: “Introduction- Economics of Natural Resources”, Colorado State University, Department of Agricultural and Resource Economics – Colorado, USA (course module), (2023)
- Assistant professor of Political Economics (2000-2002)
- Assistant professor of Mountain and Forest Economics (2001-2002)
- Assistant professor of Microeconomics (1997-2002)
- Assistant professor of Economics and Environmental Valuation (1994-1996)
- Assistant professor of Environmental Economics (1997-2002)

Supervisor of 3 Ph.D. theses and 95 MSc and bachelor theses (four years laurea), and 17 undergraduate theses.

PARTICIPATION IN PH.D. BOARDS

- Doctoral School of Social Sciences, SUSTEEMS- Sustainability: Economics, Environment, Management and Society” – University of Trento, (since 2020)
- Doctoral School of Social Sciences, DELoS - Development Economics and Local Systems – Universities of Trento and Florence (since 2015)
- CIFREM - Interdepartmental Centre for Research Training in Economics and Management, Doctoral program in Economics and Management, University of Trento (2006-2009)

ADMINISTRATIVE DUTIES

- Member of the Joint Commission Students/Faculty (Commissione paritetica) (since 2023).
- Member of the Board of the Department of Economics and Management (since 2021).
- Director's delegate for coordinating Bachelor's and Master's laboratory courses (since 2021).
- Responsible for the Undergraduate Business Excellence Studies (PDE), Department of Economics and Management, University of Trento (since 2017)
- Responsible for the Tutoring service at the Department of Economics and Management, University of Trento (since 2015)

PUBLIC ENGAGEMENT

- Member of the Provincial and Programmatic Coordination Scientific Committee of the Stelvio National Park, Province of Trento (PAT), (since 2023)
- Member of the Scientific Committee of Protected Areas of the Autonomous Province of Trento (since 2022).
- Estimation of environmental fees for water concessions for the Province of Trento. The activity consisted of the analysis of the current state of the water concession fees in the Province of Trento, according to the Ministerial Decree 39/2015 of the Ministry of the Environment and the Protection of the Territory and the Sea, and the proposal of a fee reform to recover the environmental costs deriving from the use of water resources. The Provincial Council has introduced the fee reform with Reg. deliber. n. 239, February 17, 2023, (2021-2022).
- Member of the National Committee for the evaluation and selection of the projects presented following the Notice for access to support for the FSC 2014-2020 Agriculture Operational Plan - Sub-plan 2, for integrated strategic planning of national importance, as an expert in agricultural economics with specific expertise in the field of the national agri-food system (2021).
- Participation in the drafting of the preliminary document of the Provincial Strategy for Sustainable Development SproSS, Autonomous Province of Trento, which defines 20 provincial objectives in which to invest in the coming years to achieve the goals defined by the 2030 Agenda (2021).

Fort Collins (CO- USA), May 24, 2023