Elena Benedetti, PhD

Languages: Italian (native), English (fluent)

Telephone: (Italy) +39 3409799966;

E-mail: elena.benedetti9@unibo.it (work email); benedettielena2@gmail.com (personal email)

Linkedin: https://www.linkedin.com/in/elena-benedetti-3350458a

Research Interests

I am an Environmental Economics, and my research focuses on using modelling approaches and ex-ante policy evaluations to address issues on sustainable diets, human health and nutrition.

Current Position

November 2023 – Present:

Postdoctoral Research Fellow

Department of Statistical Sciences "Paolo Fortunati" – Alma Mater Studiorum, University of Bologna (Italy)

The research program is related to the activities of the ONFOODS project ("Research and Innovation network on food and nutrition Sustainability, Safety and Security" - Working ON Foods") with funds from the National Recovery and Resilience Plan (PNRR). More specifically, Spoke 7 "Policy, Behaviour and Education", whose focus is on developing models and instruments to observe, analyse and predict food policies and business and consumers' behaviour.

Education

October 2017 – July 2022:

PhD in Environmental, Food, Health Economics

Newcastle University, Newcastle upon Tyne (UK) – Supervisors: Dr. Luca Panzone, Prof. John Wildman, Prof. Chris Seal

Thesis: "Environmental Regulation and Sustainability in the Food Sector: Exploring the Impact of Carbon Taxation on Diets, Health and Trade in UK"

Skills: Applied Econometrics, Simulation Analysis, Demand System Estimation, Gravity Model on Trade, Food-Related Consumption Behaviour

February – March 2020:

Visiting PhD Researcher

Toulouse School of Economics, Toulouse (France) – Supervisor: Prof. Nicolas Treich,

December 2013 - June 2016:

Laurea Magistrale (Master of Science) in Economics (specialization: Environmental Economics; mark 110/110)

University of Siena, Siena (Italy) – Supervisors: Prof. Silvia Ferrini and Prof. Riccardo Bagni

Thesis: "Sustainability applied at the wine sector and contingent valuation between wine consumers: the *Fattoria del Cerro* case"

September 2010 - December 2013:

Laurea Triennale (Bachelor of Science) in Economics, Management (mark 110/110)

University of Urbino, Urbino (Italy) - Supervisor: Prof. Elena Vigano'

Thesis: "Aggregation Dynamics and Social Networks for Social Sustainability of Organic Farming: the *Con Marche Bio* case"

Work Experience

October 2021 – October 2023:

Lecturer in Economics – Newcastle Business School - Northumbria University, Newcastle upon Tyne (UK) – Line Manager: Prof. Francisco Areal

Module Leader: AF7021 - Applied Environmental Economics; AF7020 – Economics for Sustainability; AF7022 – Economic Policies for the Environment; AF6030 – Sustainable Development and Responsible Business

Deputy Programme Leader - MSc Economics and Sustainability

20 Student Projects Supervision - Undergraduates, Postgraduates and PhD

Research - Environmental and Nutritional Impact of Food Policies

July 2021 – September 2021:

Research Assistant in Environmental Economics – Newcastle University (UK) Supervisor: Dr. Luca Panzone

"Impact of COVID-19 on Seafood Consumption in UK" - Use of Kantar data

October 2018 – January 2021:

Teaching Assistant – Newcastle University (UK)

Marketing Metrics; Statistics; Introduction to Marketing and Consumer Behaviour

February 2017 – August 2017:

Consultant at Wine Monitor – Agricultural and Food Sector, Nomisma Bologna, (Italy):

Data management and Statistics Analysis – Market Analysis and Reports

July 2016 – September 2016:

>**Visiting Researcher (Erasmus Placement) –** Newcastle University (UK)
>Supervisor: Dr. Luca Panzone
>
>Data Management and Statistical Analysis with Supermarket Scanner Data

March 2013 – April 2013:

>**Internship – MIA Urbino S.r.l -** Urbino (Italy): Management, Marketing

July 2010 – September 2012:

>**Shop Assistant – Undercolors of Benetton** - Urbino (Italy)

Techinal Skills

>Applied Econometric Modelling – Almost Ideal Demand System and Gravity Model on Trade
>
>Quantitative Simulation Analysis and Ex-Ante Policy Evaluations
>
>Creation of Data-Sets taking into account Greenhouse Gas Emission from Diets
>
>Experience using Household Budget Food Surveys, Scanner Data and Nutrition Intakes Data-Sets
>
>Estimation of Price and Income Elasticities through Demand Models
>
>Use and management of large secondary datasets: Living Cost and Food Survey, National Diet and Nutritional Survey and Eurostat Food Trade
>
>Contingent Valuation, Discrete Choice Methods
>
>Environmental Impact Assessment, Cost-Benefit Analysis
>
>*Statistical packages*: STATA, R, SPSS
>
>*Office suite*: Excel, Word, Internet Explorer, Outlook, Power Point, Access.
>
>*Software for online surveys:* Surveymonkey.
>
>*Others*: Lyx (latex), EndNote, ECDL core

Soft Skills

>**PhD Defence Examiner for Joint PhD Programme in Economics (XXXY Cycle)**
>Member of the Examination Board with Prof. Stefano Bartolini, Prof. Corrado di Maria, Chiara Peroni - Candidate Valentina Di Gennaro – *15 June 2023*
>
>>*Title:* "Essays on the role of well-being and natural capital for a sustainable prosperity of countries" University of Siena, Florence and Pisa (Italy)
>
>**Module Leadership -** Management and Preparation of Academic Modules, Preparation of Assessments and Marking, Teaching Plan
>
>**Deputy Programme Leadership – Management MSc Economics and Sustainability**
>
>**Teamwork, Organizational Skills, Self-motivated**
>
>**Volunteer Event Manager** – Pint of Science, UK

PGR Student Representative, School of Agriculture Food and Rural Development – Newcastle University

Publications, Working Papers, Awards, Grants

Publications and working papers:

Benedetti E., Panzone L., Seal C., Wildman J., "The Effect of Carbon Tariffs on UK Food Trade and Its Carbon Emissions: A Gravity Model with Micro-Simulation"; *March 24, 2023.* **Pre-print available at SSRN**:
https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4394101

Benedetti E., Panzone L., Seal C., Wildman J., "Implications of carbon policies on the quality of UK consumers' diet and nutrition: A Micro-Simulation Approach". *Working paper presented at the* **EAERE 2023, 28th Annual Conference**, *Cyprus, 27 Jun - 30 Jun 2023*

Monjardino de Souza Monteiro D.; Brandt K.; Cooper J.; Panzone L.; Watson A.; Cheng Y. W.; Benedetti E. (2008) "Opportunities & Challenges for the Development of Pulses Markets". Report Commissioned by PGRO and N8 Industry Innovation Forum and available at: http://www.pgro.org/downloads/Pulse-market-trends.pdf

Awards:

Full PhD Scholarship (plus Covid-19 Scholarship Extension) awarded by the ESRC's Northern Ireland North East Doctoral Training Partnership (NINE DTP), UK - *October 2017 – June 2021*
Overseas Institutional Visit awarded by the ESRC's Northern Ireland North East Doctoral Training Partnership (NINE DTP), UK - *February 2020 - March 2020*
Erasmus Placement Scholarship awarded by University of Siena, Italy - *July 2016 – September 2016*

Grants Application:

Elaboration of a Grant Application for UKRI "Transforming UK food systems through trade" - *December 2022*
Team: Dr Luca Panzone, Dr Angelina Sanderson Bellamy, Dr Peter Alexander, Prof Baukje de Roos, Dr. Carmen Hubbard, Dr. Graham Horgan, Zheng Ma

Conferences and Presentations

Presenter:

Benedetti E., Panzone L., Seal C., Wildman J., "Implications of carbon policies on the quality of UK consumers' diet and nutrition: A Micro-Simulation Approach". *Working paper that will be presented at the* **EAERE 2023, 28th Annual Conference**, *Cyprus, 27 Jun - 30 Jun 2023*

Benedetti E., Panzone L., Seal C., Wildman J., "Implications of carbon policies on the quality of UK consumers' diet and health: A Micro-Simulation Approach". *Working paper presented at the* **IAERE 2023, 11th Annual Conference**, *23rd - 24th February 2023*

Benedetti E., Panzone L., Seal C., Wildman J., "The Effect of EU Carbon Tariffs on the UK Food Trade Market and Emissions: A Micro-Simulation with a Structural Gravity

Model". *Paper presented at the* **EAERE 2022, 27th Annual Conference**, *Rimini, 28 Jun – 1 Jul 2022.*

Benedetti E., Panzone L., Seal C., Wildman J., "The Effect of EU Carbon Tariffs on the UK Food Trade Market and Emissions: A Micro-Simulation with a Structural Gravity Model". *Paper presented at the* **IAERE 2022, 10th Annual Conference**, *Cagliari, 21-23 April 2022.*

Benedetti E., Panzone L., Seal C., Wildman J., "Implications of carbon policies on the quality of UK consumers' diet and health: A Micro-Simulation Approach" and "Effects of Environmental Regulations on Trade Patterns in UK". *Papers presented at the* **TSE Seminar of Environmental and Food Group**, *Toulouse School of Economics, March 2020.*

Benedetti E., Panzone L., Seal C., Wildman J., "Implications of carbon policies on the quality of UK consumers' diet and health: A Micro-Simulation Approach". *Paper presented at the* **SNES School Conference, Newcastle University,** *May 2019.*

Invited talk:

Benedetti E., Panzone L., Seal C., Wildman J., "Implications of carbon policies on the quality of UK consumers' diet and health: A Micro-Simulation Approach". *Paper presented at* **ENVECON 2020** *–Royal Society, London, 13th March 2020,.*

Benedetti E., Panzone L., Seal C., Wildman J., "Implications of carbon policies on the quality of UK consumers' diet and health: A Micro-Simulation Approach". *Paper presented at* **ASHEcon 2020** *–St. Louis, MO, USA,7th – 10th June 2020.*

Poster:

Benedetti E., Panzone L., Seal C., Wildman J., "The Effect of EU Carbon Tariffs on the UK Food Trade Market and Emissions: A Micro-Simulation with a Structural Gravity Model". *Paper presented at the* **Workshop in Environmental Policy Evaluation, University of St. Gallen with the support of EAERE**, *Switzerland, January 2023*

Benedetti E., Panzone L., Seal C., Wildman J., "Implications of carbon policies on the quality of UK consumers' diet and health: A Micro-Simulation Approach". *Paper Presented* **at N8 Agrifood Conference** *at Principal Hotel, York, 22nd and 23rd October 2019.*

Benedetti E., Panzone L., Seal C., Wildman J., "Implications of carbon policies on the quality of UK consumers' diet and health: A Micro-Simulation Approach". *Paper presented at the* **SNES School Conference,** *Newcastle University, May 2018.*

Other courses

Workshop in Environmental Policy Evaluation - University of St. Gallen with the support of EAERE, Switzerland, *January 2023*

6th IAERE School in Dynamic and Spatial Modelling for Environmental Economics – IAERE in cooperation with the University of Urbino 'Carlo Bo', SEEDS and GEU, Urbino (Italy), *July 2022*

Summer School in Gravity Model and Panel Econometrics, PhD Course - University of Bern, World Trade Organization **-** Advances in Structural Gravity Modelling: Theory, Estimation and Policy Implications, *September 2020*

Postgraduate Certificate in Research Training – ESRC NINE DTP, Newcastle University, *June 2018*

Introduction to Learning and Teaching one day workshop, demonstrator – Newcastle University (UK), *October 2018*

CEMMAP Courses:

- **Panel data methods**, by Jeffrey M. Wooldridge (MSU), UCL Economics Department, London, *May 2018*
- **Machine Learning & Econometrics** by Victor Chernozhukov (MIT), UCL Economics Department, London, *June 2018*
- **Empirical Models of Comparative Advantage and the Gains from Trade** by Dave Donaldson (MIT), Institute for Fiscal Studies, London, *July 2018*

Valuing Nature Business Impact School – The University of Edinburgh (UK), *December 2017*

Bioeconomy Summer School – University of Perugia (Italy), *July 2014*

Membership

Member of the European Association of Environmental and Resource Economists (EAERE) since 2018

Member of the Italian Association of Environmental and Resource Economists (IAERE) since 2018

Member of American Society Health Economics (ASHEcon) since 2019

Member of European Economic Association (EEA) since 2020

Academic Referees

Prof. Mario Mazzocchi, Professor in Economic Statistics, Department of Statistical Sciences "Paolo Fortunati", University of Bologna (Italy) m.mazzocchi@unibo.it

Dr. Luca Panzone, Senior Lecturer in Consumer Behaviour, School of Natural and Environmental Sciences, Newcastle University (UK) luca.panzone@ncl.ac.uk

Prof. John Wildman, Professor of Health Economics, Business School, Newcastle University (UK) john.wildman@ncl.ac.uk

Emeritus Prof. Chris Seal, Population Health Sciences Institute, Faculty of Medical Sciences, Newcastle University (UK) chris.seal@newcastle.ac.uk

Prof. Francisco Areal, Professor in Economics, Newcastle Business School, Northumbria University (UK) francisco.areal@northumbria.ac.uk

Prof. Nicolas Treich, Senior Researcher INRAE, Toulouse School of Economics (France), nicolas.treich@tse-fr.eu

Prof. Silvia Ferrini, Lecturer in Economics Department of Political and International Sciences University of Siena, Siena (Italy) silvia.ferrini@unisi.it

Prof. Elena Vigano', Agricultural Economics, Department of Economics, Society and Politics, University of Urbino (Italy) elena.vigano@uniurb.it

10/11/2023

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