

Michela Faccioli

RESEARCH INTERESTS

Economic Valuation of the Environment; Social Preferences; Economics of Food, Health and the Environment; Biodiversity and Climate Change Policies; Public Economics.

EMPLOYMENT HISTORY

2022 – present	<p>Senior Assistant Professor (RTD-b) in Economic Policy (ECON-02/A)</p> <p>University of Trento (Italy) School of International Studies & Department of Economics and Management</p> <p><i>Procedure for career progression to Associate professor is currently underway.</i></p>
2018 – 2021 2022 – present	<p>Research and Impact Fellow in environmental economics Research Associate</p> <p>The University of Exeter (UK) Land, Environment, Economics and Policy (LEEP) Institute</p>
2015 – 2017 2018 – present	<p>Post-doctoral researcher in environmental economics Honorary Research Associate</p> <p>The James Hutton Institute (Scotland) Social, Economic and Geographical Sciences (SEGS) Research Group</p>
2010 – 2011 2010 – present	<p>Pre-doctoral researcher in environmental economics Member of the research group on the Economic Analysis of the Impacts of Tourism</p> <p>University of the Balearic Islands (Spain) Department of Applied Economics</p>

EDUCATION & QUALIFICATIONS

2011 – 2015	<p>PhD in Applied Economics</p> <p>University of the Balearic Islands (Spain) Department of Applied Economics</p> <ul style="list-style-type: none">• Thesis title: “Challenges in economic valuation of wetland protection under climate change impacts”• Supervisors: A. Riera and C. Torres (University of the Balearic Islands)• Grade: “Matrícula de honor” (highest honours in Spain)
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- Visiting at the Department of Geography and Sustainable Development, University of St. Andrews (Scotland, UK) – supervisor: Prof. N. Hanley. Period: August – December 2014.
- Fully funded Ph.D. scholarship (Beca del Programa de Formación de Profesorado Universitario) awarded by the Spanish Ministry of Education, Culture and Sport.
- Financial support from the Balearic Islands' Government of Education, Culture and University (grant for special actions of research and development).

2009 – 2010

Master in Tourism and Environmental Economics

University of the Balearic Islands (Spain)
Department of Applied Economics

- Dissertation title: "Young residents' perceptions and attitudes towards tourism impacts and policies: a case study of Folgaria (Italy)".
- Average grade: 9.33/10

2006 – 2009

Bachelor (Laurea Breve) in Economics and Management Sciences - Major in Tourism Management

Free University of Bolzano (Italy)
Faculty of Economics and Management

- Dissertation title: "Residents' perceptions and attitudes towards tourism impacts: a case study of the small rural community of Folgaria (Italy)".
- Grade: 110 cum laude/110 cum laude (highest honours in Italy)

NATIONAL SCIENTIFIC HABILITATIONS (ASN) OBTAINED

National Scientific Habilitation in Economic Policy, ECON-02/A, II fascia (validity 2024-2035)

National Scientific Habilitation in Public Economics, ECON-03/A, II fascia (validity 2023 – 2034)

National Scientific Habilitation in Agricultural Economics and Appraisal, AGRI-01/A, II fascia (validity 2023 – 2034)

PUBLICATIONS
Peer-reviewed publications

- Bateman, I., Binner, A., Addicott, E., Balmford, B., Cho, F., Daily, G.C., De-Gol, A., Eisenbarth, S., **Faccioli, M.**, Ferguson-Gow, H., Ferrini, S., Fezzi, C., Gannon, K., Groom, B., Harper, A.B., Harwood, A., Hillier, J., Hulme, M., Lee, C.F., Lovett, A., Liuzzo, L., Matthews, R., Mancini, M.C., Morison, J.I.L., Owen, N., Pearson, R., Polasky, S., Siriwardena, G., Smith, P., Snowdon, P., Tippet, P., Vetter, S., Vinjili, S., Vossler, C.A., Watson, R.T., Williamson, D., Day, B. (2024). How to make land use policy decisions: Integrating science and economics to deliver connected climate, biodiversity and food objectives, *Proceedings of the National Academy of Sciences of the United States of America*, 121:49, e2407961121, doi: 10.1073/pnas.2407961121.
- Mancini, M. C., Collins, R.M., Addicott, E.T., Balmford, B.J., Binner, A., Bull, J.W., Day, B.H., Eigenbrod, F., zu Ermgassen, S.O.S.E., **Faccioli, M.**, Fezzi, C., Groom, B., Milner-Gulland, E.J., Owen, N., Tingley, D., Wright, E. Bateman, I. (2024). Biodiversity offsets perform poorly for both people and nature but better approaches are available. *One Earth* 7(12), doi: 10.1016/j.oneear.2024.10.002.

- **Faccioli, M.**, Lucarelli, C., Mazzoli, C., Severini, S. (2024). What are the policy drivers to undertake green retrofitting investments? The role of tax incentives and communication in Italian households' decision-making. *Italian Economic Journal*, doi: 10.1007/s40797-024-00283-5.
- **Faccioli, M.**, Tingley, D.M., Mancini, M.C., Bateman, I.J. (2024). Who should benefit from environmental policies? Social preferences and non-market values for the distribution of environmental improvements. *American Journal of Agricultural Economics*, doi: 10.1111/ajae.12467.
- Glenk, K., Meyerhoff, J., Colombo, S., **Faccioli, M.** (2024). Enhancing the face validity of choice experiments: A simple diagnostic check. *Ecological Economics*, 221: 108160, doi: 10.1016/j.ecolecon.2024.108160.
- **Faccioli, M.**, Zonneveld, S., Tyler, C., Day, B. (2023). Does local Natural Capital Accounting deliver useful policy and management information? A case study of Dartmoor and Exmoor National Parks, *Journal of Environmental Management* (327): 116272, doi: 10.1016/j.jenvman.2022.116272.
- **Faccioli, M.**, Law, C., Caine, C., Berger, N., Yan, X., Weninger, F., Guell, C., Day, B., Smith, R., Bateman, I. (2022). Combined carbon and health taxes outperform single-purpose information or fiscal measures in designing sustainable food policies. *Nature Food* 3: 331-340, doi: 10.1038/s43016-022-00482-2.
- **Faccioli, M.** and Glenk, K., (2022). More in good condition or less in bad condition? Valence-based framing effects in environmental valuation. *Land Economics* 98(2): 314-336, doi: 10.3368/le.98.2.051920-0067R1.
- Glenk, K., **Faccioli, M.**, Martin-Ortega, J., Schulze, C., Potts, J. (2021). The opportunity cost of delaying climate action: peatland restoration and resilience to climate change. *Global Environmental Change* 70(102323), doi: 10.1016/j.gloenvcha.2021.102323.
- Roberts, M., Byg, A., **Faccioli, M.**, Novo, P., Kayle, C. (2021). Stakeholder perceptions of public good provision from agriculture and implications for governance mechanism design. *Journal of Environmental Planning and Management* 64(2): 289-307, doi: 10.1080/09640568.2020.1763274.
- McVittie, A., **Faccioli, M.** (2020). Biodiversity and ecosystem services net gain assessment: a comparison of metrics. *Ecosystem Services* 44(August 2020): 1-13, doi: 10.1016/j.ecoser.2020.101145.
- **Faccioli, M.**, Czajkowski, M., Glenk, K., Martin-Ortega, J. (2020) Environmental attitudes and place identity as determinants of preferences for ecosystem services. *Ecological Economics* 174(August 2020): 1-19, doi: 10.1016/j.ecolecon.2020.106600.
- Tinch, R., Beaumont, N., Sunderland, T., Ozdemiroglu, E., Barton, D., Bowe, C., Börger, T., Burgess, P., Cooper, N., **Faccioli, M.**, Failler, P., Gkolemi, I., Kumar, R., Longo, A., Mcvittie, A., Morris, J., Park, J., Ravenscroft, N., Schaafsma, M., Vause, J., Ziv, G. (2019). Economic valuation of ecosystem goods and services: a review for decision makers. *Journal of Environmental Economics and Policy*, 8(4): 359-378, doi: 10.1080/21606544.2019.1623083.
- **Faccioli, M.**; Kuhfuss, L.; Czajkowski, M., (2019) Stated preferences for Conservation Policies under Uncertainty: Insights on the Effect of Individuals' Risk Attitudes in the Environmental Domain, *Environmental and Resource Economics*, 73(2): 627-659, doi: 10.1007/s10640-018-0276-2.
- Torres, C.; **Faccioli, M.**; Riera, A., (2017). Waiting or acting now? The effects on willingness-to-pay of delivering inherent uncertainty information in choice experiments, *Ecological Economics* 131: 231-240, doi: 10.1016/j.ecolecon.2016.09.001.
- **Faccioli, M.**; Hanley, N.; Torres, C.; Riera, A., (2016). Do we care about sustainability? An analysis of time sensitivity of social preferences under environmental time-persistent effects. *Journal of Environmental Management*, 177, 356-364, doi: 10.1016/j.jenvman.2016.03.039.

- **Faccioli, M.**; Riera, A.; Torres, C., (2015). Valuing the recreational benefits of wetland adaptation to climate change: a trade-off between species' abundance and diversity. *Environmental Management*, 55, 550-563, doi: 10.1007/s00267-014-0407-7.
- Brida, J.G.; Osti, L.; **Faccioli, M.**, (2011). Residents' perception and attitudes towards tourism impacts: a case study of the small rural community of Folgaria (Trentino - Italy). *Benchmarking: An International Journal*, 18(3), 359-385, doi: 10.1108/14635771111137769.
- **Faccioli, M.**, (2011). Youth's perception of tourism impact: policy implications for Folgaria (Italy). *International Journal of Tourism Policy*, 4, 1-35, doi: 10.1504/IJTP.2011.046710.

Papers under review

- Meier, S., Balmford, B., **Faccioli, M.**, Groom, B. (2024). Biodiversity, Public Preferences and Substitutability with an Application to Cost-based Shadow Pricing. Pre-print available at SSRN: <https://ssrn.com/abstract=4954302>, doi: 10.2139/ssrn.4954302.
- Giergiczny, M., Jacobsen, J.B., Glenk, K., Meyerhoff, J., Abildtrup, J., Agimass, F., Czajkowski, M., Draus, B., **Faccioli, M.**, Gajderowicz, T., Getzner, M., Lundhede, T., Mayer, M., Mcvittie, A., Olschewski, R., Pereira, H.M., Ščasný, M., Strange, N., Valasiuk, S., Wasiak, A., Fernández, N. (2024). Forests for Well-being: Exploring Public Preferences for Forest Complexity – A European Perspective. Research Square pre-print available at: https://assets-eu.researchsquare.com/files/rs-4972148/v1_covered_8b85c4ec-d206-4562-b2e8-891e82fb50cf.pdf?c=1724899940, doi: 10.21203/rs.3.rs-4972148/v1.

Book chapters

- Bateman, I.J., Binner, A., Day, B.H., **Faccioli, M.**, Fezzi, C., Rusby, A., and Smith, G. (2020). The natural capital approach to integrating science, economics and policy into decisions affecting the natural environment, in Sutherland, W.J., Brotherton, P.N.M., Davies, Z.G., Ockendon, N., Pettorelli, N., and Vickery, J. (Eds.) *Conservation Research, Policy and Practice*, Cambridge University Press, Cambridge, pp. 196-215, doi: 10.1017/9781108638210.012.

Technical / Project Reports

- **Faccioli, M.**, Zonneveld, S., Tyler, C., Day, B. (2020). Does local Natural Capital Accounting deliver useful management information? A case study of Dartmoor and Exmoor National Parks. SWEEP report, available at: https://sweep.ac.uk/wp-content/uploads/SWEEP_NCAs_DNPA_ENPA_Full_report.pdf
- **Faccioli, M.**, Bateman, I.J. (2019). Updating the Woodland Valuation Tool: a review of recent literature on the non-market values of woodlands. Report to the Forestry Commission, Ref No.: CFSTEN 2/14 and CFS 8/17, Land, Environment, Economics and Policy Institute (LEEP), University of Exeter Business School.
- Binner, A., Smith, G., **Faccioli, M.**, Bateman, I.J., Day, B.H., Agarwala, M., Harwood, A. (2018). Valuing the social and environmental contribution of woodlands and trees in England, Scotland and Wales - Second edition: to 2018, Report to the Forestry Commission, Ref No.: CFSTEN 2/14 and CFS 8/17, Land, Environment, Economics and Policy Institute (LEEP), University of Exeter Business School.
- Glenk, K., **Faccioli, M.**, Martin-Ortega, J. (2018). Report on findings from a survey on public preferences for peatlands restoration: timing and long term resilience of peatlands under climate change. Report for the Scottish Government, available at: <https://environment.leeds.ac.uk/see-research/dir-record/research-projects/1104/peatlands-and-the-public>
- Artz, R.E., **Faccioli, M.**, Roberts, M., Anderson, R (2018). Peatland restoration – a comparative analysis of the costs and merits of different restoration methods. CxC report available at: <https://www.climatechange.org.uk/research/projects/peatland-restoration-methods-an-analysis-of-cost-effectiveness/>

- Kleeschulte, S., Carrao, H., Gregor, M., Loehnertz, M., Ayanu, Y., Kleeschulte, I., Fons, J., Ubach, R., Milego, R., Weber, R., Nilsson, K., Turunen, E., Nordregio, S., Irvine, K.N., Maxwell, J., Kuhfuss, L., **Faccioli, M.**, Blanco, G.G., Garcia, I. (2018) [GRETA - GReen infrastructure: Enhancing biodiversity and ecosysTem services for territoriAl development](#), Inception Report, Version 05/02/2018, ESPON 2020 Cooperation Programme, 37pp.
- McVittie, A., Donnelly, D., **Faccioli, M.**, MacLeod, C., Ibiyemi, A., Glenk, K., Blackstock, K. (2017). Summary of reviews of Natural Assets Registers and Natural Capital Accounting, RESAS 1.4.1 Briefing document for ELPEG April 2017, 4pp. Report for the Scottish Government available at: <http://www.hutton.ac.uk/research/srp2016-21/wp141-natural-asset-inventory-and-accounts>
- **Faccioli, M.**, Blackstock, K. (2017). Review of UK Natural Capital Initiatives. The James Hutton Institute, 16 pages.
- **Faccioli, M.**, McVittie, A., Glenk, K., Blackstock, K. (2016) Natural Capital Accounts: Review of available data and accounting options, 37pp. Report for the Scottish Government available at: <http://www.hutton.ac.uk/research/srp2016-21/wp141-natural-asset-inventory-and-accounts>
- **Faccioli, M.**, Creaney, R., Novo, P., Byg, A., Martens, K. (2016). Unpacking the notion of public goods from agriculture and forestry in Aberdeenshire and mapping their availability: a workshop report. Report for the EU Commission on local stakeholder workshops for the project PROVIDE, February 2016.
- Byg, A.; **Faccioli, M.**; Novo, P.; Martens, K. (2016). D.3.2. – Report synthesizing the findings of the CSR level mapping of public good demand and supply, its underlying determinants, producers and beneficiaries. PROVIDE project report for the EU Commission.

PARTICIPATION IN RESEARCH PROJECTS

In the list, the projects marked with () are those where I was a named researcher and contributed to acquiring the funding (total value of funding acquisition I contributed to is ~ € 8,204,360.91).*

- Horizon-Europe funded project: Promoting Green Nudging for Sustainable Agriculture and Forestry (PRUDENT). Role: Co-I. Duration: 2024-2028. (*)
- PRIN PNRR 2022 funded project: IMPact Assessment of extreme climatic events on the Italian agriculture – incentivize Adaptation to Climate change (IMP-ACT). Role: Co-I. Duration: 2023-2025. (*)
- Esmée Fairbairn Foundation funded project: From Biodiversity Net Gains to Environmental Net Gains: Widening the net and engaging communities. Role: Unit lead. Duration: 2023-2024. (*)
- Department for Environment, Food and Rural Affairs (Defra) funded project: Biodiversity Net Gain and Trade. Role: Co-I. Duration: 2022-2023. (*)
- EU-funded project: Food provision through sustainable farming systems and value chains (VISIONARY). Role: Co-I. Duration: 2022-2026. (*)
- NERC-funded project for the South West Partnership for Environmental and Economic Prosperity (SWEEP): Delivering 'Environmental Net Gain': addressing knowledge gaps, understanding social preference trade-offs and exploring delivery mechanisms. Role: P.I. Duration: 2020-2021. (*)
- UKRI (Research England) Strategic Priority funded project to support evidenced-based policy making: Gaps in current knowledge to inform the design of 'Environmental Net Gain' policies. Role: P.I., Duration: 2020. (*)
- NERC-funded project for the South West Partnership for Environmental and Economic Prosperity (SWEEP): Delivering natural capital assessment tools for the marine economy in the South West. Role: Co-I. Duration: 2019-2021. (*)
- CUHK-University of Exeter Joint Centre for Environmental Sustainability and Resilience (ENSURE) funded project: Global Food Security, Climate Change and Resilience: An International Perspective. Role: temporary P.I. & Co-I. Duration: 2019-

2021. (*)

- ESRC IAA funded project: Applying recent insights in market design to achieve environmental benefits. Role: Co-I. Duration: 2019-2021. (*)
- International Advisory Board funded project: Addressing knowledge gaps and understanding social preference for 'Environmental Net Gain' policies. Role: P.I. Duration: 2019-2020. (*)
- NERC-funded project for the South West Partnership for Environmental and Economic Prosperity (SWEEP): Local Natural Capital Accounting: A case study of Dartmoor and Exmoor National Parks. Role: Co-I. and project lead. Duration: 2017-2019.
- NERC-funded project for the South West Partnership for Environmental and Economic Prosperity (SWEEP): Developing an integrated 'whole-catchment' approach to water management – building evidence to support investment and mechanisms for monitoring and evaluation. Role: Co-I. Duration: 2017-2019.
- UK Forestry Commission funded project: the social values of woodlands in the UK. Role Co-I. Duration: 2018
- Scotland's Climate X Change (CxX) Centre funded project: Cost-effectiveness of peatland restoration. Role: Co-I. Duration: 2017.
- Scottish Government Rural Affairs and Environment Strategic Research Programme (RESAS) funded project: Natural Asset Register and Natural Capital Accounts. Role: Unit Lead and project Co-I. Duration: 2016-2021.
- Scottish Government Rural Affairs and Environment Strategic Research Programme (RESAS) funded project: Soil Management (Monetary valuation of Ecosystem Services from Peatlands). Role: temporary project P.I., Unit Lead and project Co-I. Duration: 2016-2021.
- EU-H2020 funded project: Providing smart delivery of public goods by agriculture and forestry in the EU (PROVIDE). Role: Co-I. Duration: 2015-2018.
- Spanish Ministry of Science and Innovation funded project: Effects of climate change on tourism demand. Empirical evidence and adaptation measures. 2011-2014.

AWARDS

2022

2022 Alpro Foundation Award for best scientific publication for the paper “Combined carbon and health taxes outperform single-purpose information or fiscal measures in designing sustainable food policies” published in the journal *Nature Food*.

ORGANIZED EVENTS

2024

Organizer of a thematic session at the 65th Annual Scientific Meeting of the Italian Economic Society, Urbino (Italy). Title: Food demand policies for sustainable food systems.

2023 - present

Co-organizer of the Guest Lecture series at the School of International Studies, University of Trento (Italy).

2020 - 2021

Co-organizer of the LEEPout webinar series at the LEEP Institute, University of Exeter (UK).

2020

Organizer of a thematic session at the 25th Annual Conference of the European Association of

Environmental and Resource Economists (EAERE). Topic: Natural capital accounting across scales: development, critique and usefulness for policy-making.

TEACHING

- 2024 Natural Capital and the Economic Value of the Environment (2h)
PhD program in International Studies, University of Trento
- 2022 - present Public Economics (36h, course convener)
Undergraduate programme in Economics and Management, University of Trento
- Quantitative Methods in Social Sciences (Advanced) (32h, course convener)
Master program in European and International Studies (MEIS), University of Trento
- Natural Resources and Energy Security (18h)
Master program in International Security Studies (MISS), University of Trento
- 2020 Natural Capital Accounting: framework and applications (2h)
Guest lecture, Master Programme in Tourism and Sustainability Management, University of Trento
- Natural Capital, Freshwater Ecosystems Services, and Protecting our Future Natural Resources –
Bringing the Environment into Economic Decision-Making (2h)
Guest Lecture, GW4 FRESH NERC Centre for Doctoral Core-Skills Training at the University of Exeter,
with I. Bateman
- 2015 Environmental economics (11h)
Master program in Tourism and Environmental Economics, University of the Balearic Islands, with C.
Torres.

SUPERVISORY ACTIVITY

Thesis (co-)supervision

Ongoing

PhD students (1)
Master students (5)
Undergraduate students (1)

Completed

PhD students (1)
Undergraduate students (4)

Post-doctoral supervision

- 2023-present Dr. Austėja Kazemekaityte
Co-supervision of post-doctoral researcher in the project VISIONARY

SERVICE ACTIVITIES

Departmental

- Member of the Management Board of the Master in International Security Studies (MISS), University of Trento (Joint program with Scuola Superiore Sant'Anna) [2023 - present]
- Member of the Commission awarding the University of Trento Rotari prize for the best master thesis on topics of environmental sustainability [2023]
- Member of the PhD program in International Relations at the School of International Studies, University of Trento (2023 - present).

Refereeing activities

Journal reviewer for (main): Journal of Environmental Economics and Management; Land Economics; American Journal of Agricultural Economics; Nature Food; Ecological Economics; Environmental and Resource Economics; Resource and Energy Economics; Journal of Agricultural and Resource Economics, Energy Economics; Food Policy; Marine and Resource Economics; Journal of Environmental Economics and Policy; Australian Journal of Agriculture and Resource Economics; Agricultural and Resource Economics. Land Use Policy; Journal of Environmental Management.

Advisory services

- Invited by the International Trade Analysis team at the UK Department for Environment, Food and Rural Affairs (Defra) to contribute to an expert evidence piece on environmental net gain and international trade, available at: <https://sciencesearch.defra.gov.uk/ProjectDetails?ProjectId=21417> [2022 - 2023].
- Member of the expert working group (Economics theme working group) within the UK Government Office for Science's "Resilience to long term trends and transition" Foresight project [2022].
- Project proposal reviewer (peer-reviewer) for the Future of UK Treescapes programme and the Economics of Biodiversity programme, both funded by the UK Natural Environment Research Council [2021].

MEMBERSHIP TO SCIENTIFIC ASSOCIATIONS

- Italian Association of Environmental and Resource Economists (IAERE) [2024 - present]
- Italian Economic Society (SIE) [2024 - present]
- European Association of Environmental and Resource Economists (EAERE) [2015 - present]
- Association of Environmental and Resource Economists (AERE) [2020, 2023]
- UK Network of Environmental Economists (UKNEE) [2014-2018]

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV.

Signature

Michela Faccioli