

PERSONAL INFORMATION

Mauro Masiero

📍 University of Padova
Department of Land, Environment, Agriculture and Forestry (LEAF)
Dipartimento Territorio e Sistemi Agroforestali (TESAF)
Viale dell'Università 16, 35020 Legnaro (PD), Italy

WORK EXPERIENCE

2017 - ongoing

Assistant Professor

Department of Land, Environment, Agriculture and Forestry – University of Padova (Italy)

- Research activities in the field of forest policy and economics with a special focus on markets for forest products and services, ecosystem service assessment, and the development of market-based instruments and governance mechanisms for sustainably valuing forest products and services.
- Teaching MSc courses: Social responsibility and forest certification, Research and project development methodology: applications. Supervision of doctoral and MSc students.

Business or sector: Academia

2014 - 2016

Post-doc Research Fellow

Department of Land, Environment, Agriculture and Forestry – University of Padova (Italy)

- Research activities in the field of identification, classification, mapping, assessment and economic valuation of forest-based ecosystem services as well as trade-off analysis with regard to different management solutions and business models.

Business or sector: Academia

2014 - ongoing

Adjunct Professor

Faculty of Science and Technology – Free University of Bolzano (Italy)

- Teaching MSc courses: Economic appraisal of mountain areas/Rural appraisal. Supervision of MSc students.

Business or sector: Academia

2011- ongoing

Scientific Director

Etifor Srl (Italy)

- Quality management and scientific support & supervision to technical, project development, reporting and consultancy activities. *Liaison* with the academia and global research networks.

Business or sector: Academic spin-off, private sector

2005 - 2011

Director

Forest Stewardship Council (FSC) – Italy (Italy)

- Management and co-ordination of FSC-Italia (FSC-Italy), a multi-stakeholder organisation representing the National Office of the International NGO Forest Stewardship Council® (FSC®), including: (i) co-ordination of national FM standard setting process; (ii) technical training for companies, consultants and auditors; (iii) technical advice; (iv) public relations, fundraising and network building; (v) research and project development/co-ordination (e.g. National Risk Assessment for Controlled Wood, Sustainable Timber Action in Europe).

Business or sector: non-government organization (standard setting and forest certification)

2003-2005

Lead auditor

Certiquality Srl (Italy)

- Lead auditor for the Chain of Custody certification according to the FSC standards. Review and update of technical documentation dealing with FSC accreditation. Analysis of the market for forest certification in Italy and support to the development related marketing plans.

Business or sector: private sector (forest and environmental auditing)

2002-2005

Advisor

Qualitree (Italy)

- Technical advice and support to forest and wood/paper-processing companies while preparing for the implementation of forest certification (FSC) and environmental (ISO 14001) standards. Main activities: gap analysis, staff training, management of non-compliances, drafting of procedures and manuals, follow-up activities.

Business or sector: private sector (forestry and CSR advisory)

- 2002-2011 **Freelance consultant**
- Technical advice in forestry, including business planning, feasibility studies for the development of green areas associated to infrastructure development and rural development projects.
 - Feasibility studies and full design of rural development co-operation projects (e.g. "Quality education to avoid young people abandoning rural areas (Bahia State - Brazil)" CONSVIPO/AECOFABA (2007/2008); "Access to clean water, health education and participative management of water resources in Bondoukou and Tanda Departments (Zanzan Region - Côte d'Ivoire)" AES/CIEN (2008/2009))
- Business or sector: private sector (forestry, rural development and project design & management)

EDUCATION AND TRAINING

- 2016 **Summer School: Mapping and Valuating Ecosystem Services for Better Decision Making**
Natural Capital Project, Stanford WOOD Institute for Environment, University of Padova
- 2014 **International Spring University on Ecosystem Service Modelling**
Basque Centre for Climate Change and University of Vermont
- 2011-2014 **PhD Forest policy and economics**
Land, Environment, Resources and Health (LERH) Doctoral Program - University of Padova (Italy)
- Forest policy and economics, assessment, estimation and accounting of the Total Economic Value for Mediterranean forests.
- 2009 **Auditors training for Sustainable Forest Management certification as a tool for CSR in the forestry sector**
AB Training and FSC-Italy
- 2008-2010 **MSc Forest and Environmental Sciences**
University of Padova (Italy)
- Forest economics, international trade and markets for wood and non-wood forest products, societal marketing, Corporate Social Responsibility (CSR) applied to the forest sector, ecology, forest policy, forest management and silviculture (both in natural and planted forests), and research methodology.
- 2003-2004 **(Post-grad. specialization course) Rural Development Co-operation in Developing Countries**
University of Padova (Italy)
- Rural development cooperation, participatory approaches (PRA, RRA, etc.), project cycle (including project design, management and assessment). 4 months field study period in Brazil to analyze the forest sector in the *Nordeste Riograndense* Region (Rio Grande do Sul (RS), Brazil), and develop a project aiming to diversify rural economies by reinforcing local wood supply chains.
- 1998-2001 **BSc Forest industry and wood technologies**
University of Padova (Italy)
- Wood technologies, silviculture, wood working processes, wood chemistry and physics, economics applied to the wood sector, environmental and forest certification.

AWARDS

- Awards** *Ad honorem* professor at the Post-graduation school of the University of Trujillo (Peru)
- Editorial activity** Invited Guest Editor: Forests, IF2.634 Q1, Sustainability, IF3.251 Q1
- Invited presentations** More than 30 invited talks in high-ranking national and international research institutions (e.g., University of Bologna, Politecnico di Torino, University of Pasco, CIFOR, Chatham House) and at international conferences (e.g., BIO4ECO, COFO 23, Quo vaditis agriculture, forestry and society under Global Change? Circular Forest Bioeconomy in Southern Europe Conference)

PERSONAL SKILLS

First language	Italian				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
	C1	C1	C1	C1	C1
	B2	B2	B2	A2	A2
English	A2	A2	A2	A2	A2
Spanish					
Portuguese					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills	Good written and oral communication skills gained through work experience with people from various social and professional backgrounds and cultures throughout my professional and education career
Job-related skills	Mentoring early careers of excellent researchers (tot. 4 post-docs, tot. 12 PhD supervised & co-supervised, tot. 50+ MSc and BSc students supervised & co-supervised) Member of the Communication Committee at TESAF/LEAF Dept. (Università di Padova) Scientific director and board director of Etifor Srl, a University of Padova spin-off (staff: about 70 people) and Etifor FARM company Since 2020 Chairman of the Impartiality Committee of Vireo Srl From 2020 to 2023 Chairman of FSC Italy. Since 2021 Chairman of Gestione Forestale Responsabile Srl (100% owned by FSC Italy) Since 2023 member of the Advisory Board of the MSc course Sustainable Natural Resource Management (Università degli Studi di Milano).
Digital skills	QGIS, R, Orange, InVEST
Other skills	Good attitude and capacity in inter-personal relations and group-working, even in multicultural contexts

ADDITIONAL INFORMATION

- Publications**
- tot. **45** publications in international peer reviewed journals (*source Scopus, updated January 2024*)
 - tot. Impact Factor (IF) **84** (average 3,23/paper) (*source WoS, updated January 2024*)
 - tot. **498** citations (*source Scopus, updated January 2024*)
 - H-index **12** (*source Scopus, updated January 2024*)
 - ORCID: 0000-0001-5660-4362; Scopus ID: 6603986945; WoS ID: DWE-7714-2022; Researcher ID: G-5186-2015

Selected publications:

- (1) Biasin, A., **Masiero, M.**, Amato, G., Pettenella, D. (2023). Nature-Based Solutions modeling and Cost-Benefit Analysis to face climate change risks in urban area: the case of Turin (Italy). *Land* 2023, 12(2), 280; <https://doi.org/10.3390/land12020280> (IF3.905, Q1)
- (2) **Masiero, M.**, Biasin, A., Amato, G., Malaggi, F., Pettenella, D., Nastasio, Anelli, S. (2022). Urban Forests and Green Areas as Nature-Based Solutions for Brownfield Redevelopment: A Case Study from Brescia Municipal Area (Italy). *Forest*, 13(3), 444. <https://doi.org/10.3390/f13030444> (IF3.292, Q1)
- (3) Juerges, N., Arts, B., **Masiero, M.**, Hoogstra-Klein, M., Borges, J.G., Brodrechtova, Y., Brukas, V., Canadas, M.J. *et al.* (2021). Power analysis as a tool to analyse trade-offs between ecosystem services in forest management: A case study from nine European countries. *Ecosystem services*, 49, p. 136-153. <https://doi.org/10.1016/j.ecoser.2021.101290>. (IF5.454, Q1)
- (4) **Masiero, M.**, Secco, L., Pettenella, D., Da Re, R., Bernö, A., Carreira, A., Dobrovolsky, A., Giertliová, B., *et al.* (2020). Bioeconomy perception by future stakeholders: hearing from European forestry students. *Ambio*, 49(12): 1925-1942 <https://doi.org/10.1007/s13280-020-01376-y>. (IF5.129, Q1)
- (5) Biber, P., Felton, A., Nieuwenhuis, M., Lindbladh, M., Black, K., Bahyl, J., Bingol, O., Borges, J.O., Botequim, B., Brukas, V. (...), **Masiero, M.** *et al.* (2020). Forest biodiversity, carbon sequestration and wood production: modelling synergies and trade-offs for ten forest landscapes across Europe. *Frontiers in Ecology and Evolution*, 8 – article: 547696. <https://doi.org/10.3389/fevo.2020.547696> (IF4.171, Q1)
- (6) **Masiero, M.**, Scarpa, R., Thiene, M., Franceschinis, C., Mattea, S., Pettenella, D. (2018). Ecosystem services' values and improved revenue collection for regional protected areas. *Ecosystem services*, 34, p. 136-153. <https://doi.org/10.1016/j.ecoser.2018.10.012>. (IF5.454, Q1)
- (7) Secco, L., Favero, M., **Masiero, M.**, Pettenella, D. (2017). Failures of political decentralization in promoting network governance in the forest sector: observations from Italy. *Land Use Policy*, 62, p. 79-100. <https://doi.org/10.1016/j.landusepol.2016.11.013> (IF5.398, Q1)

(8) **Masiero, M.**, Secco, L., Pettenella D., Brotto, L. (2015). Standards and guidelines for forest plantation management: A global comparative study. *Forest Policy and Economics*, 53, p. 29-44. <http://dx.doi.org/10.1016/j.forpol.2014.12.008> (IF3.673, Q1)

Involved as a researcher and manager/coordinator in more than 30 research and technical projects at the national and international scale

Projects

Selected projects:

(1) Support study for development of the non-legislative acts provided for in the Regulation of the European Parliament and of the Council laying down the obligations of operators who place timber and timber products on the market (European Union Timber Regulation), Client: European Commission (DG ENV), Researcher (2010/2011)

(2) INTEGRAL - Future-oriented integrated management of European forest landscapes, Call: FP7-ENV-2011, Researcher (2011-2013)

(3) Support to the implementation of the EU Timber Regulation (ENV.E.2/SER/2013/0027) Client: European Commission (DG ENV), Researcher (2013/2016)

(4) ECOSTAR - European Research and Enterprise Alliance on Marketing and Economics of Ecosystems and Biodiversity (Erasmus+), Call: Erasmus+ KA2 (Cooperation), WP3 coordinator, € 982 679 (LEAF/TESAF Dept.: € 217 069) (2016-2018)

(5) ALTERFOR - Alternative models and robust decision-making for future forest management, Call: H2020-ISIB-2015-2, Italian case study coordinator, € 3 999 998.75 (LEAF/TESAF Dept.: € 267 402.50) (2016-2020)

(6) SuPerMan – Development of a sustainability performance manager (SPM) software for sustainability practices in the primary and tourism sector, Call: ERDF 2014-2020, Scientific and WP2 coordinator, € 149 954.40 (LEAF/TESAF Dept.: € 23 533.60) (2020-2021)

(7) Life Brenta 2030 - Promoting good governance and innovative financing schemes for biodiversity and water conservation of Brenta river, Call: LIFE18 NAT/IT/000756, Coordinator of socio-economic assessment (Task D2), € 2 695 000.00 (LEAF/TESAF Dept.: € 370 487.00) (2019-2023)

(8) REXUS - Managing RESilient neXUs Systems through participatory systems dynamics modelling, Call: H2020-LC-CLA-2018-2019-2020), WP3.6 coordinator, € 4 984 331.25 (LEAF/TESAF Dept.: € 180 000.00) (2021-2024)

(9) LENSES - Learning and action alliances for Nexus environments in an uncertain future, Call: 2020 SECTION 1 Nexus IA, WP6.1 and WP6.2 coordinator, € 3 000 000 (LEAF/TESAF Dept.: € 196 000.00) (2021-2024)

(11) AGRITECH, National Center for Technology in Agriculture, Spoke 4 - Multifunctional and resilient agriculture and forestry systems for the mitigation of climate change risks, NRRP, Task 4.2.4 leader (2023-2026)

(12) Opt-FORESTS, Harnessing forest genetic resources for increasing options in the face of environmental and societal challenges, Call: HORIZON-CL6-2022-BIODIV-01, Task 7.1 leader, € 8 008 387 (LEAF/TESAF Dept.: € 367 487.50) (2022-2027)

(13) EMMA4EU, Innovation alliance for training programmes for deforestation-free supply chains in Europe, Call: ERASMUS-EDU-2022-PI-ALL-INNO, scientific coordinator, € 1 490 193 (LEAF/TESAF Dept.: € 183 425.00) (2023-2026)

(14) WILDCARD, Effects of Rewilding in Forests and Agricultural Lands on Carbon Sequestration and Diversity, Call: HORIZON-CL5-2022-D1-D2, WP6.1 and WP6.2 coordinator, € 10 161 445 (LEAF/TESAF Dept.: € 297 520.00) (2023-2027)

(15) BIOFIN, Protecting and Restoring Biodiversity Using Mainstream Finance, Call: HORIZON-CL6-2023-BIODIV-01-9, WP6.1 and WP6.2 coordinator, € 4 982 330 (LEAF/TESAF Dept.: € 152 750.00) (2023-2026)

Padova, 11th January 2024

Mauro Masiero