

Enrico Tomelleri

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| PRESENT APPOINTMENT | Associate Professor Free University of Bozen/Bolzano (IT). |
| EDUCATION | October 2022: Italian academic scientific habilitation as full professor in the scientific disciplinary sector 07/B2: “science and technologies of tree and forest systems”. April 2007: Ph.D. , Centro di Ecologia Alpina, Trento (IT) – Università degli Studi di Padova (IT). October 2003: Degree in Forest and Environmental Sciences, Università degli Studi di Padova (IT) (Final evaluation: 110/110 <i>cum laude</i>). |
| PROFESSIONAL EXPERIENCE | October 2021 – September 2024: Tenure-track Fixed-Term Researcher, Free University of Bozen/Bolzano (IT). November 2020 – June 2022: Contract lecturer, Poznan University of Life Sciences (PL). December 2017 – September 2021: Research Fellow (AR), Free University of Bozen/Bolzano (IT). November 2013 – July 2017: Senior Researcher, EURAC Research (IT). May 2007 – October 2013: Postdoctoral researcher, Max-Planck-Institut für Biogeochemie (DE). May 2003 – November 2004: Field research assistant, Centro di Ecologia Alpina (IT). |
| EXPERIENCE IN ACADEMIC TEACHING | MASTERS LEVEL A.A. 2021/2022 – now: “Management of Mountain Forests” (60 hours, 6 CFU). MSc in Environmental Management of Mountain Areas. Free University of Bozen/Bolzano (IT). A.A. 2019/2020 – now: “Forest inventories” (30 hours, 3 CFU). MSc in Environmental Management of Mountain Areas. Free University of Bozen/Bolzano (IT). A.A. 2024/2025: “Landscape Planning” (30 hours, 3 CFU). MSc in Environmental Management of Mountain Areas. Free University of Bozen/Bolzano (IT). A.A. 2022/2023: “Non-structural mitigation interventions” (12 hours). 2nd Level MSc in Sustainable Management of Hydro-geological Risk in Mountain Environments. Free University of Bozen/Bolzano (IT). A.A. 2019/2020 – A.A. 2021/2022: “Principles of Field Spectroscopy” (24 hours). MSc in Geo-information Science, Earth Observation and Spatial Management. Poznan University of Life Sciences (PL). BACHELOR LEVEL A.A. 2023/2024 – now: Lecturer of the course “Wood Anatomy and productive silviculture” (30 hours, 3 CFU). BSc in Wood Technology. Free University of Bozen/Bolzano (IT). A.A. 2019/2020 – A.A. 2022/2023: Lecturer for the preparatory course “Fundamentals of Agronomy and Forestry”, module “forestry” (8 hours). Integrative credits for admission to the MSc in Environmental Management of Mountain Areas. Free University of Bozen/Bolzano (IT). OPEN LECTURES November 2023: Lecturer of the course “iNEST Citizen Engagement – Studium Generale: Dialogues on Mountain Ecosystems Between Art and Science”. Free University of Bozen/Bolzano (IT). April 2023: Lecturer of the course “Sustainable Forest Management” within the Studium Generale: <i>Serie di lezioni sulla sostenibilità / Ringvorlesung über Nachhaltigkeit</i> . Free University of Bozen/Bolzano (IT). DOCTORAL LEVEL September 2021: Co-coordinator of the training course “EO-Sense 2.0: advanced sensing of vegetation traits in time and space”. University of Plovdiv (BG). September 2020: Coordinator of the training course “EO-Sense: sensing of vegetation traits in time and space”. Online. October 2016: Organizer of the UAV-PhD Day, Free University of Bozen/Bolzano (IT). April 2016: Lecturer of the course “UAV Science Training School”. Penryn, Environmental Sustainability Institute, University of Exeter (UK). June 2015: Coordinator and lecturer of the EUFAR/OPTIMISE training school “Swamp Harrier: Spectrometry of a Wetland And modeling of Photosynthesis: Hyperspectral Airborne Reflectance and fluoRescence In Education and Research”, Poznan (PL). March 2015: Lecturer of the OPTIMISE training school “ABEL, uAvs and Biogeochemical cycling”, Madrid (ES). September 2014: Invited lecturer at the “5th European Space Agency (ESA) Advanced Training Course on Land Remote Sensing”, Valencia (ES). June 2013: Co-coordinator and lecturer of the “3rd Eurospec Summerschool: Field Spectroscopy and Ecological modeling”, Università degli Studi di Palermo (IT). |

INVOLVEMENT IN LONG-TERM RESEARCH NETWORKS **ICOS Italy:** **Member** of the national Joint Research Unit.
eLTER Italy: **Member** of the national Joint Research Unit.
Site manager for the ICOS Level 2 measurement site IT-Ren (Renon, Selvaverde).
Responsible for the ICP-Forest IT01 measurement site.
Responsible for the SAN Nelder Plot (Sant’Agata Bolognese).

TOP 5 RUNNING PROJECTS **PHOENIX:** “Post-fire Habitat recOvery and vEgetation trajectories with cosmic-ray Neutron sensing”.
FORMA: “Forest Robotic Monitoring and Automation”.
LIDAR_{BZ}: “Territorial survey of the Autonomous Province of Bolzano by means of LiDAR technology”.
Nelder-IT: “Biodiversity, productivity and carbon sequestration of oak stands”.
CLiCFor: “Unravelling seasonal to decadal CLimate influence on the Carbon cycle in FOrest. A multidisciplinary analysis across contrasting climates”.

TOP 5 PUBLICATIONS **Beer, C., Reichstein, M., Tomelleri, E., ..., Papale, D.** (2010). Terrestrial gross carbon dioxide uptake: Global distribution and covariation with climate. *Science*. <https://doi.org/10.1126/science.1184984>
Jung, M., Reichstein, M., Ciais, P., ...Tomelleri, E.,...Zhang K. (2010). Recent decline in the global land evapotranspiration trend due to limited moisture supply. *Nature*. <https://doi.org/10.1038/nature09396>
Wohlfahrt, G., Tomelleri, E., Hammerle, A. (2019). The urban imprint on plant phenology. *Nature Ecology & Evolution*.
<https://doi.org/10.1038/s41559-019-1017-9>
Wohlfahrt, G., Tomelleri, E., Hammerle, A. (2021). The albedo–climate penalty of hydropower reservoirs. *Nature Energy*. <https://doi.org/10.1038/s41560-021-00784-y>
Candotti, A., Tomelleri, E., (2025). Assessment of regional scale-based bark beetle disturbance predisposition in complex terrain with earth observations. *Forestry: An International Journal of Forest Research*.
<https://doi.org/10.1093/forestry/cpaf043>

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