



Dr. FEDERICO MARIA PULSELLI CURRICULUM VITAE

Current Position: Associate Professor in Environmental and Cultural Heritage Chemistry at the Department of Physical Sciences, Earth and Environment, University of Siena, Italy.

Career: MS Degree in Economics, University of Siena (1998); PhD in Chemical Sciences, environmental curriculum, University of Siena (2002). Visiting researcher at Universidade Paulista (Brazil, August 2014)

Didactic and Institutional activity: Since 2005, teaching activity in the fields of environmental chemistry, environmental physical chemistry, and environmental sciences. Supervisor or co-supervisor of 70 degree theses and 10 PhD theses.

Since March 2016, member of the Faculty Board of the PhD in Environmental, geological and polar sciences and technologies of the University of Siena.

Since 2022, president of the Didactic Committee of the degree courses in Environmental Sciences (Bachelor) and Ecotoxicology and Environmental Sustainability (Master).

Member of the University Orientation and Tutoring Commission (2015-2021) and of the University International Relations Task Force since 2023.

Research activity Co-author of two books and about 160 articles in international scientific journals, Encyclopediae, collective books and book chapters; about 70 abstracts or short communications for national and international conferences. Co-Editor in Chief of Cleaner Waste Systems (Elsevier); Associate Editor of Frontiers in Energy Systems (Frontiers); he serves as a reviewer for about 15 international journals.

Research fields: sustainability foundations and sustainable development, ecological economics, environmental modelling and assessment, sustainability indicators and environmental accounting methods and tools/methodologies such as Emergy Synthesis, Ecological Footprint, LCA, Greenhouse Gas Inventory, ISEW, GPI, Ecosystem Services Evaluation.

Research Projects: Involved in a number of national and international research project as both participant and research unit coordinator. Some examples are:

- SUMFLOWER (SUstainable Management of FLOriculture in WEstern Riviera) LIFE09 ENV/IT/000067 (12/2011-01/2013).



- E-FRAME (European Framework for Measuring Progress) EU FP7 (2012-2013). SP1-Cooperation. Coordination and support actions (Coordinating actions). FP7 SSH-2011-3. Grant Agreement Number 290520. SSH.2011.6.2.
- BIOWASTE4SP (Turning Biowaste into Sustainable Products: Development of appropriate Conversion Technologies Applicable in Developing Countries) EU FP7 (2012-2015) GA 312111.
- ENEPLAN (Developing skills in the field of integrated Energy planning in MED landscape) Erasmus + Capacity Building and Higher Education (1/10/15 - 14/10/18). Since 1st July 2017, coordination of activities, supervision of deliverables and project management for UNISI unit. Reference person since July 2017.
- EUSTEPs: Enhancing Universities' Sustainability TEaching and Practices. Erasmus + Cooperation for innovation and the exchange of good practices (2019 – 2022). Reference person for the University of Siena.
- Scientific Responsibility of: - REGES Project: the GHG accounting for the Province of Siena (2017-2024); - GHG Accounting for the Municipality of Grosseto and PAESC Report (2019-2024); - LCA, PCR, EPD of the production of secondary aluminum, co-products and related products for Raffmetal spa and Fondital (Italy) (2019-2024).

Memberships: Member of the Ecodynamics Group at the University of Siena, established by Professor Enzo Tiezzi in the 1990s (<https://ecodynamics.unisi.it/en/home-eng/>).

Member of: the Italian Chemical Society (Società Chimica Italiana - SCI); the International Society for the Advancement of Energy Research (ISAER); the Advances in Cleaner Production Network (ACPN).

Awards: - “Senior Researcher Award” conferred by the Advances in Cleaner Production Network, Florence, July 15th, 2022; - “2023 Campus Sustainability Research Award”, conferred by AASHE (The Association for the Advancement of Sustainability in Higher Education), December 7th, 2023

He has always been involved in dissemination activities (more than 100 participations in public events in the last 5 years – 2019-2023).

Siena, 19/02/2024

Prof. Federico M. Pulselli