



CONTACTS



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DESCRIPTION

Giulio Palcic is a PhD candidate at the Politecnico di Milano in Science, Technology, and Policy for Sustainable Change and an affiliated researcher with the CMCC-TCT Division in Milan. He holds a Bachelor's degree in Civil and Environmental Engineering from the University of Trieste and a Master's degree in Environmental and Land Planning Engineering from the Politecnico di Milano. His research focuses on developing machine learning-based tools to support climate adaptation strategies, with a particular emphasis on subseasonal-to-seasonal (S2S) forecasting, the development of climate services, and the integration of forecasts into water resource management for long-term planning and sustainability.

LANGUAGES

Italian - Native Language
English - Adv. (IELTS score 7.0)

DIGITAL SKILLS

Programming language - Python, SQL
Matlab, R, Java
GIS Software - QGIS
CAD software - AutoCAD

Giulio Palcic

ENVIRONMENTAL ENGINEER

WORK EXPERIENCE

PhD Candidate at Politecnico di Milano 2023 - Present

- His research focuses on developing innovative tools to support the design of robust, multi-sector and multi-actor adaptation strategies that can respond effectively to changing hydrologic conditions and socio-economic drivers.

Students assistant 2024 - Present

- Tutoring for master's students in Natural Resources Management within the Environmental and Land Planning Engineering program.

Deloitte & Touche S.p.A. 2022 - 2023

- Definition and submission of Science-Based Targets
- Energy Management Systems (ISO 50001)
- Energy audits in compliance with D.Lgs. 102/2014
- Calculation of Carbon Footprint (ISO 14064, GHG Protocol)
- Development of action plans to reduce corporate Carbon Footprints
- Energy audits and support for energy efficiency projects
- Reporting of Scope 1, 2, and 3 greenhouse gas emissions
- Preparation of environmental disclosures aligned with international frameworks (e.g., CDP)

EDUCATION

Politecnico di Milano

MSc in Environmental and Land Planning
engineering 2020-2022

- Thesis: Deep Learning applied to Tropical Cyclones Intensity Estimation.

Politecnico di Milano

Single Courses
2019-2020

Università degli studi di Trieste

BSc in Civil and Environmental Engineering
2015-2019

- Thesis: Remote sensing methodologies for recognition of asbestos roofs

PUBLICATIONS

Ascenso, G., Palcic, G., Scoccimarro, E., & Castelletti, A. (2024). A systematic framework for data augmentation for tropical cyclone intensity estimation using deep learning. *Journal of Geophysical Research: Machine Learning and Computation*, 1(3), e2024JH000206.

Palcic, G., Ascenso, G., Giuliani, M., & Castelletti, A. (2025). Bridging Global Teleconnections and Local Data for Subseasonal-to-Seasonal Forecasting of Lake Como Inflows. In *EGU General Assembly Conference Abstracts* (pp. EGU25-17459).