

Stefano Antonini

ENVIRONMENTAL ENGINEER

Education

Exchange student at Aalto University

Aalto University, Finland

09/2022 - 06/2023

- **MSc Thesis: "Climate change effects on grassland carrying capacity: a multi-model global analysis"**
- Main courses: spatial data analysis, computing techniques for environmental modelling, electrochemical energy conversion, circular economy for energy storage systems
- Course project: "The Paraná river basin: a pristine ecosystem or a biodiversity hotspot? - A quantitative analysis with open-access spatial datasets"

Master's Degree in Environmental Engineering

Politecnico di Torino, Italy

09/2021 - 10/2023

- **Degree programme: Climate Change**
- Final grade: 110/110 with honours
- Main topics: climate dynamics and modelling, environmental spatial analysis, climate change mitigation and adaptation, remote sensing, renewable energy resources, life cycle assessment
- Course project: "The effects of the 2022 drought on the Po river and the vegetation of Pianura Padana: an analysis of Sentinel-2 data"

Bachelor's Degree in Environmental Engineering

Politecnico di Milano, Italy

09/2018 - 07/2021

- Final grade: 110/110

Work Experience

Research Fellow

Politecnico di Torino, Italy

11/2023 -

- Member of PoliTo's working group on HORIZON project "METALLICO: demonstration of battery metals recovery from primary and secondary resources through a sustainable processing methodology"
- Responsible for Environmental and Social Life Cycle Assessments

Chief Sustainability Officer

Engineer3d, Italy - Consulting firm in the fashion industry supporting designers in the transition to sustainable production

09/2021 - 09/2023

- Conducting Life Cycle Assessments of sustainable fashion items
- Developing strategies for the sustainable evolution of fashion firms
- Responsible for scientific communication

Volunteering

Volunteer

Plantar Uma Árvore, Portugal - NGO for native forest conservation

11/2023 - 02/2024

- Field work for the restoration of the native ecosystem of Baldio de Carvalhais - European Solidarity Corps project

	Milan, Italy
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	11/07/1999
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PROFESSIONAL SUMMARY

- Motivated to be directly involved in solving environmental challenges
- Skilled in spatial data analysis and sustainability assessments
- Ambitious and hard-working, with the goal of having a positive impact on the world
- Fast learner, ready to adapt to new situations
- Looking for new possibilities to test my skills in real-life situations
- Ready and happy to relocate in a new country

EXPERTISE

- Climate change
- Spatial data analysis
- Life Cycle Assessments
- Remote sensing
- Programming and modelling
- Scientific research and communication

RESEARCH INTERESTS

- Ecosystems conservation
- Land-use modelling
- Climate change adaptation
- Environmental modelling
- Food systems and related environmental impacts
- Sustainable production and supply of critical raw materials

IT SKILLS

- R, Matlab, Excel: excellent
- OpenLCA: excellent
- Adobe Illustrator: good
- ENVI, QGIS, Julia, Python: good

LANGUAGE SKILLS

- Italian: native
- English: fluent (C1 certification)
- French: basics