

BRUNO INVERNIZZI

Environmental Engineer with expertise in environmental systems modeling

EDUCATION

MSc Environmental and Land Planning Engineering

Politecnico di Milano

Score: 110/110 cum Laude

Sep 2021 – December 2023

Milan, Italy

- Advanced environmental system analysis, Artificial neural networks and deep learning, Energy and climate change modeling and scenarios, Natural resources management, Engineering and cooperation for development, Remote sensing, Ecosystem conservation, Geographic information system
- Thesis: "Enhancing Mekong River basin reservoirs operations: balancing hydropower production and sediment Transport"

Visiting Student

Singapore University of Technology and Design (SUTD)

July 2023 – September 2023

Singapore, Singapore

BSc Environmental and Land Planning Engineering

Politecnico di Milano

Score: 110/110 cum Laude

September 2018 – July 2021

Milan, Italy

- Environmental Economics, Environmental Impact and Assessment, Ecology, Territorial Planning, Analysis and Management of Environmental Systems, Statistical model and stochastic processes

WORK EXPERIENCE

PhD Student in Science, Technology and Policy for Sustainable Change

Politecnico di Milano

December 2023 – present

Milan, Italy

- Operationalization of the Safe Operating Space for water resources at decision-making relevant scales

Teaching assistant for the "Advanced Environmental Systems Analysis" course

Politecnico di Milano

September 2024 – present

Milan, Italy

- Delivered 29 hours of lectures for the Master's course 'Advanced Environmental System Analysis', focusing on the program's laboratory sessions

Professional Basketball Player

Now Basketball Academy S.S.D A R.L.

September 2016 – June 2023

Vigevano, Italy

- From 2016 to 2023, I played for 'NOW Basketball Academy' in Serie C Gold Lombardia, serving as team captain from 2020 to 2023

CONFERENCES AND SEMINARS

European Geosciences Union 2024

April 2024

Vienna, Austria

- Presented research titled "Reoperating Hydropower Dams to Improve Sediment Connectivity in the Mekong River Basin" in the session on water resources policy and management. Link: <https://doi.org/10.5194/egusphere-egu24-7614>

Invited Seminar, Politecnico di Milano

May 2024

Milan, Italy

- Delivered a guest lecture as part of the Master's program in 'Natural Resources Management', titled: "Dynamic sediment connectivity modeling for strategic river planning and management"



ABOUT ME

I am an Environmental Engineer with a strong interest in **environmental systems modeling in the context of global climate and socio-economic changes**. My goal is to apply my skills and knowledge to protect both people and the planet from climate change, while promoting social justice and ensuring intra- and inter-generational equity.

Year of birth: 1999

Italian

SKILLS

Programming & Software

Python, C++, Fortran, Matlab, GAMS, RStudio, SQL, ArcGIS, QGIS, Microsoft Office, LaTeX

Soft Skills

Public Speaking, Problem Solving, Organization/Planning, Collaboration/Teamwork, Communication, Critical Thinking

LANGUAGES

English (TOEIC, 985/990) Fluent

Italian

Native

CONTACTS

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in [bruno-invernizzi](https://www.linkedin.com/in/bruno-invernizzi)

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In compliance with the Italian Legislative Decree no. 196 dated

30/06/2003, I hereby authorize the recipient of this document to

use and process my personal details for the purpose of recruiting and

selecting staff and I confirm to be informed of my rights in accordance

to art. 7 of the above mentioned decree.