A SERIES OF VOICES SHAPING SUSTAINABLE CHANGE

Meet the STEP-CHANGErs

Dennis Zanutto: **Hydroinformatics Tools for Adaptive Planning and Policy-making in Water Distribution Systems**
Deep uncertainties, from climate change to urban development, demand a new, adaptive approach to managing urban water systems. Our research addresses these challenges with a suite of hydroinformatics tools to support water utility managers and policy-makers, bridging short-term operational decisions to long-term system design and planning.

Andrea Schiavo**: METAFish: A spatially explicit and climate-responsive framework for evaluating ecosystem-based fisheries management in the Adriatic–Ionian hake fishery**
Fisheries face growing pressures from climate change, technological advancement, and socio-economic constraints, with the Mediterranean among the most overexploited regions. Addressing these challenges requires approaches aligned with Ecosystem-Based Fisheries Management. Within the EU Horizon 2020 SEAwise project, this thesis introduces METAFish, a spatially explicit and climate-responsive Management Strategy Evaluation framework developed for the European hake in the Adriatic and Ionian Seas. By integrating metapopulation dynamics, larval connectivity, environmental variability, and fleet behaviour, the research evaluates alternative management measures and uses Multi-Criteria Decision Analysis methods to compare outcomes. The results underscore the importance of advancing fisheries management toward more adaptive, resilient, and ecosystem-based approaches.

The event will be followed by a networking aperitif.

POLITECNICO MILANO 1863

11th December 2025
5:00 - 6:00 pm
Alpha room, Building 24

Register here

www.phd-stepchange.polimi.it