

CIVIL AND ENVIRONMENTAL ENGINEERING

MUR DM 118 - Governance tools for managing and monitoring the sustainable use of surface water resources

Funded By	MINISTERO DELL'UNIVERSITA' E DELLA RICERCA [P.iva/CF:97429780584] Dipartimento DIATI
Supervisor	COMOGLIO CLAUDIO - claudio.comoglio@polito.it
Contact	Andrea Mammoliti Mochet (a.mammolitimochet@arpa.vda.it)
Context of the research activity	Governance tools and definition of technical guidelines for managing and monitoring the sustainable use of surface water resources in relation to water withdrawals Progetto finanziato nell'ambito del PNRR - DM 118/2023 - CUP E14D23001710006
Objectives	Definition and testing of Multi-Criteria Decision Analysis (MCDA) and Multi-Objective (MO) methods and tools to improve the reliability of decision-making processes in the field of evaluation of hydroelectric, agricultural and industrial water withdrawals, both at the level of individual derivations and at watershed level. The research will be aimed at identifying and defining applied governance tools and technical guidelines for supporting competent Authorities in managing and monitoring the sustainable use of surface water resources in relation to water withdrawals. The activity will be carried out in cooperation with ARPA Valle d'Aosta
Skills and competencies for the development of the activity	Knowledge of MCA application in the field of hydroelectric water withdrawal assessment Knowledge of the main environmental impacts of water withdrawals