

University of Trento, Italy
Department of Civil, Environmental, and Mechanical Engineering
Hydrology and Water Resources Engineering Lab

presents within the course

Integrated Water Resources Management,

in collaboration with

Dolomiti Energia and

Servizio Prevenzione rischi e CUE of the Autonomous Province of Trento



Seminar:

Hydropower Energy Markets and Sustainable Water Resources Management: Balancing Monitoring, Measurement, and Water Allocation

Speakers:



PhD. Ing. Mattia
Carlin (Dolomiti
Energia)

**11 December
2025**

10.30-13.30

**Room
2B**

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Abstract:

Sustainable water and energy management requires combining reliable monitoring systems with optimization-based market mechanisms that allocate resources efficiently under variable price, water demand, and streamflows. The seminar explores how data, models, and market dynamics interact to support transparent decisions and improve the resilience of coupled water-energy systems.