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Informing the operations of water reservoirs over multiple temporal scales by direct use of hydro-meteorological data

Simona Denaro, Daniela Anghileri, Matteo Giuliani, Andrea Castelletti

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**Highlights**

- We assess the value of different hydro-meteorological variables to inform reservoir operations
- We consider multi-purpose systems with conflicting short and long term targets
- We show that a few observational variables can significantly improve the operations
- Yet, they can only partially compensate for a skillful forecast

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