

## Special Issue

# Geophysical Methods for Earth Critical Zone Observations

### Message from the Guest Editors

The Earth Critical Zone (ECZ) is the boundary layer of the Earth where the interaction between inorganic and organic compounds affects the availability of life-sustaining resources. In such complex realm water plays a key role. On one hand, the water exchanges between the atmosphere and land surface are crucial to regulating the hydrological cycle and water balance. On the other hand, gravity-induced water flows govern the groundwater storage capability as well as aquifer vulnerability to contaminants carried by water. In recent years, the scientific world has paid great attention to the comprehension of the processes involving water exchanges in the ECZ with the aim of better understanding such interactions through field observations, analysis of existing data, predictive modeling, and use of advanced technological tools. In this context, geophysical investigation represents a useful tool for characterization and monitoring of dynamic Earth's water flows. This Special Issue aims to bring together researchers from around the world in regard to the advances in geophysical applications for investigating water flow dynamics in the ECZ.

### Guest Editors

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### Deadline for manuscript submissions

20 October 2025



## Water

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### Editor-in-Chief

Dr. Jean-Luc PROBST

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