

Using hydrogeological data at school

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Abstract :

Water-related issues have occupied an important place in the lives of the inhabitants of the Mediterranean basin since antiquity. The combined effects of urbanization and climate change are profoundly modifying the conditions of access to drinking water and the risk of flooding in connection with intense rainfall events. By linking the flow of rivers and the depth of the water tables to meteorological phenomena, Hydrogeology provides students with essential keys to understanding the water cycle and its societal consequences. By some concrete examples, we will present how secondary school pupils approach these notions by the implementation of field instruments and the use of the EduMed website. Accompanied by analogue or digital models, the analysis of the collected data facilitates a scientific teaching of hydrological phenomena. It provides learners with a constructed vision of the parameters that explain the dynamics of the water mass and a citizen's insight into public policies for resource management and risk prevention.



HYDROGEOLOGY AT SCHOOL

Keys to understanding water issues

