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Optimization of hydrometeorological stations in Greece

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The operation of a network of hydrometeorological stations constitutes basic infrastructure for the management of water resources. In Greece, there is not a single network of hydrometeorological stations. Various State Services have established sectional networks of limited coverage, resulting in many disadvantages. This study aims at the optimization of the existing network in Greece. The uniform spatial distribution of the stations and criteria concerning the selection of the appropriate site, such as low terrain slope, easy accessibility and proximity to special interest points, were of special importance for the development of the network. Eventually, the percentages of the stations that fulfill the prementioned criteria are presented based on the altitude zone, as well as on the specific State Service.