



Regionalization of soil hydrological characteristics in an intramontane basin in the Northern Apennines (Tuscany, Italy).

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In this study we present first results of a study on the soil hydrological characteristics of an intramontane basin in the Northern Apennines (Tuscany, Italy). Using non invasive field methods we analysed the spatial distribution of infiltrability and saturated hydraulic conductivity in an area characterized by fluvio-lacustrine sediments. The soil types are varying over short distances and are related to geomorphological units. In this paper we illustrate our fieldwork approach and the conceptual modeling framework used to regionalize the simulation results. As method for the regionalization of soil hydrological characteristics a random forest approach was used.