



What is hydropedology?

Hydropedology is an emerging interdisciplinary field of study that integrates pedology, hydrology, and geomorphology to address interactive pedologic and hydrologic processes and landscape-soil-hydrology relationships across space and time, aiming to understand pedologic controls on hydrologic processes and properties, and hydrologic impacts on soil formation, variability, and functions. Hydropedology seeks to answer the following two fundamental questions:

1) How the structure and distribution of the soil over the landscape exert a first control on landscape water flux across scales in the shallow subsurface?

2) How landscape water flux (and associated transport of chemicals and energy by flowing water) impacts soil evolution, variability, and functions?

More information can be found at <http://hydropedology.psu.edu/>.