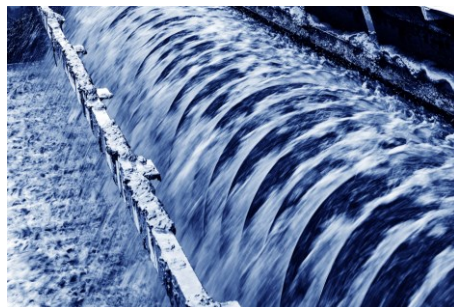




UNIVERSITÀ DI PAVIA

Dipartimento di
Scienze della Terra
e dell'Ambiente



WORKFLOWS for MODELLING the HYDROLOGY of the SHALLOW SUBSURFACE

Methods, Research, and Applications

Conferenza di: Daniel Feinstein
(USGS e University of Wisconsin-Milwaukee)

Martedì, 17 ottobre 2023, ore 16:00

AULA B7

**Dip. Scienze della Terra e dell'Ambiente
Via Ferrata 1**

I SEMINARI DELLA
LAUREA MAGISTRALE
IN
GEOSCIENCES
FOR A SUSTAINABLE
DEVELOPMENT

(<https://geosciencesostenibili.cdl.unipv.it/it>)

Studies of shallow groundwater flow and transport encounter particular challenges and rewards. This talk reviews recently developed methods, mostly from researchers in the U.S. Geological Survey, that bear on quantifying key aspects of shallow flow and transport, including treatment of unconfined and transient conditions, groundwater/surface-water interactions, the unsaturated zone in connection with recharge and contamination, and propagation of heat through the shallow subsurface in response to climate change. The focus of the talk is the development of workflows around shallow groundwater that are useful for management applications and for decision support.

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