



UNIVERSITÀ DI PAVIA

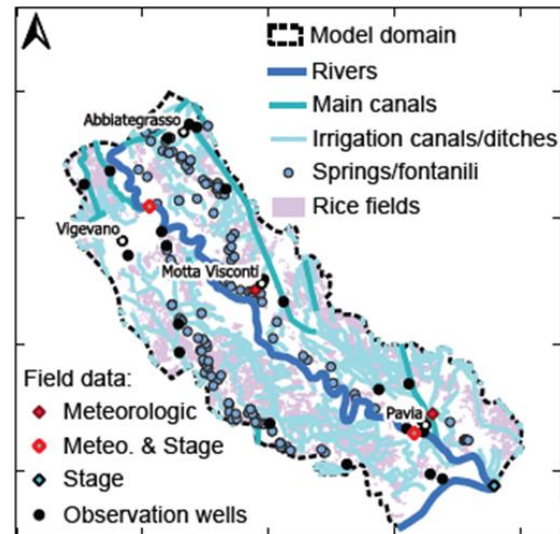
Dipartimento di
Scienze della Terra
e dell'Ambiente



Groundwater Modeling of the Lower Ticino Basin

Conferenza di: **Emily A. Baker, PhD**
Hamilton College

**I SEMINARI DELLA
LAUREA MAGISTRALE
IN
GEOSCIENZE PER LO
SVILUPPO SOSTENIBILE**



Venerdì, 19 aprile 2024, ore 17:00
AULA B7

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

Studies of groundwater flow and transport have a variety of challenges due to uncertainty and limited amounts of data. In this study, a groundwater flow model was developed for the lower Ticino basin to improve understanding of the recharge rate to the surficial aquifer due to irrigation practices and assess travel time of recharge through the basin. This basin is particularly challenging due to the widespread occurrence of fontanilli, an extensive network of irrigation canals, and significant recharge due to irrigation practices. This talk will focus on the design of the conceptual model and development of the model input parameters needed to simulate groundwater flow using MODFLOW.

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