

Data set modeling

1. Change Boundary Conditions

Hydrus-1D input files for changing the model boundary conditions after calibration for the scenario modeling

2. Dune Sand Simple Scenarios

Hydrus-1D input files for the basic scenarios with low, moderate and high annual precipitation

3. PEST Sensitivity Low Water Conditions

PEST and Hydrus-1D files for a parameter sensitivity study for a low water input scenario

4. PEST Dune Sand

PEST and Hydrus-1D files for the dune sand inverse parameter calibration

5. PEST Silica Sand

PEST and Hydrus-1D files for the silica sand inverse parameter calibration

6. Measurement Points Calibration

Table for the measurement points for observations for the inverse calibration (positions might be misleading in the PEST files)

PEST files include:

- PEST control file with all instructions
- PEST template file for overwriting the corresponding Hydrus-1D file
- PEST instruction files for the data position of the modeled data corresponding to the observation data in the Hydrus output files

Hydrus-1D files include:

- Atmospheric input file
- Main information file
- Meteorological input file
- Profile input file
- Parameter, boundary, and numerical conditions file

