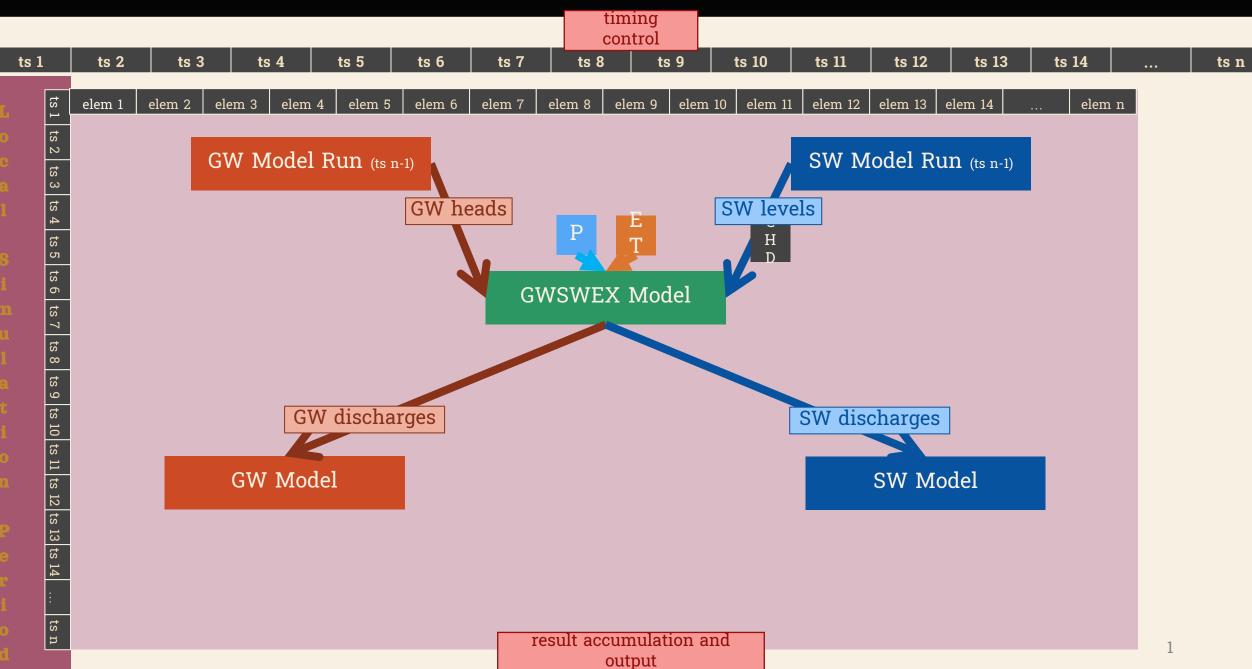
Global Simulation Period



Global Simulation Period

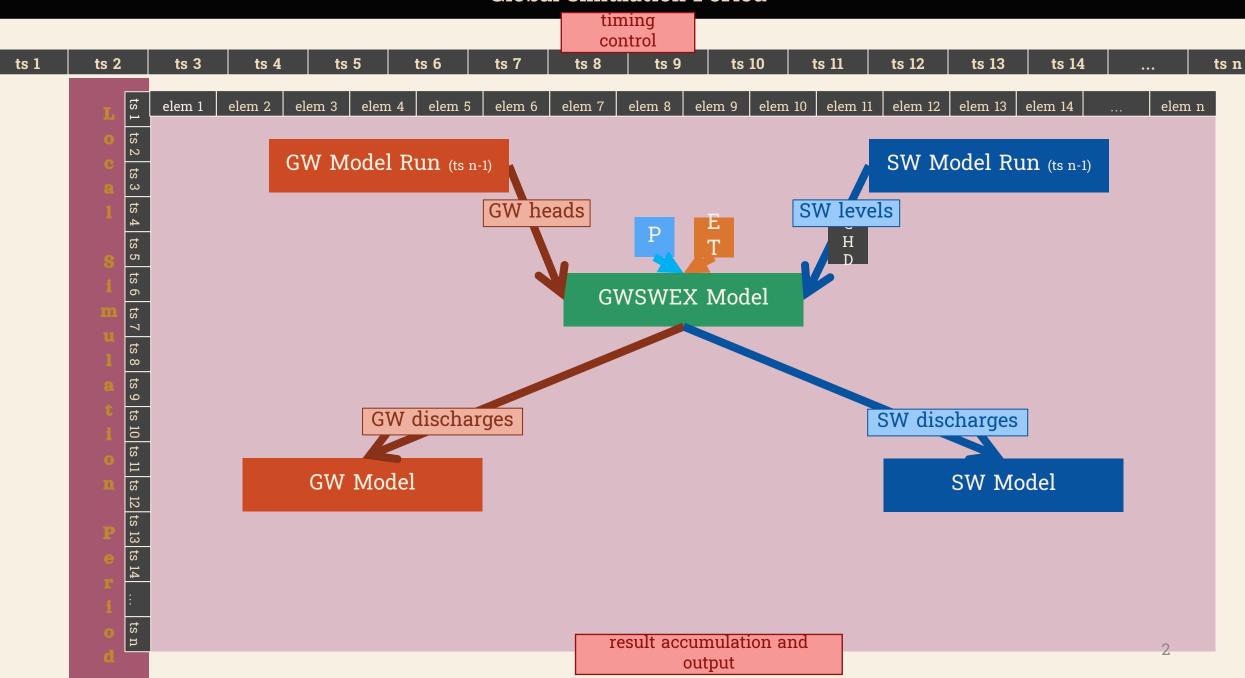
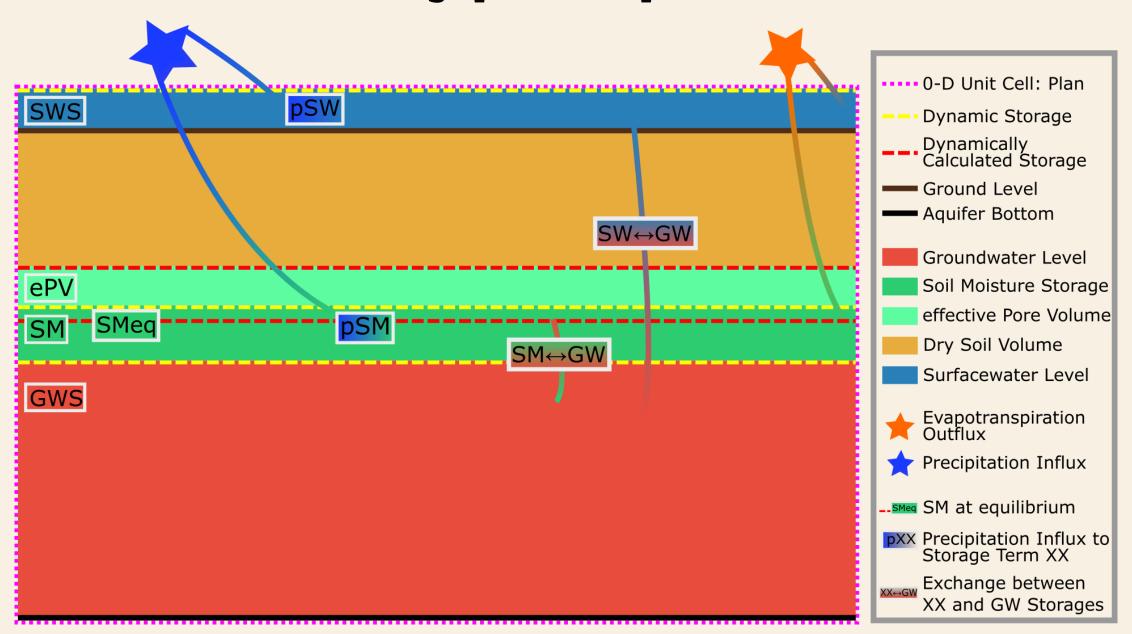
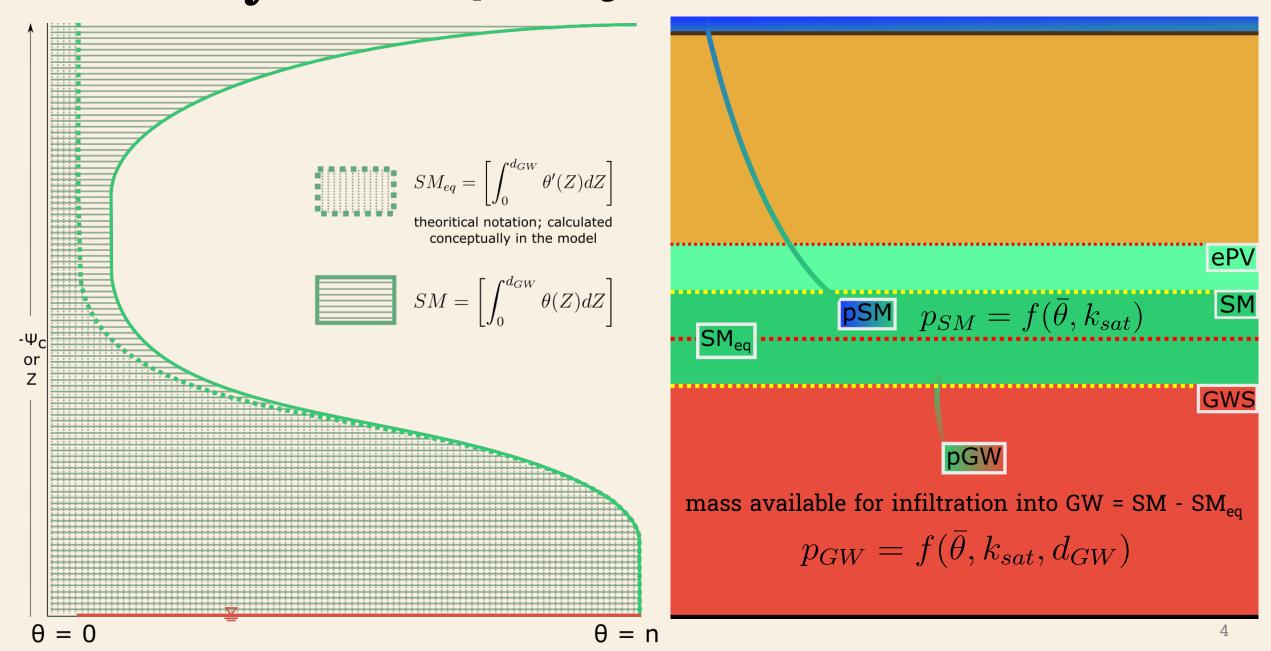


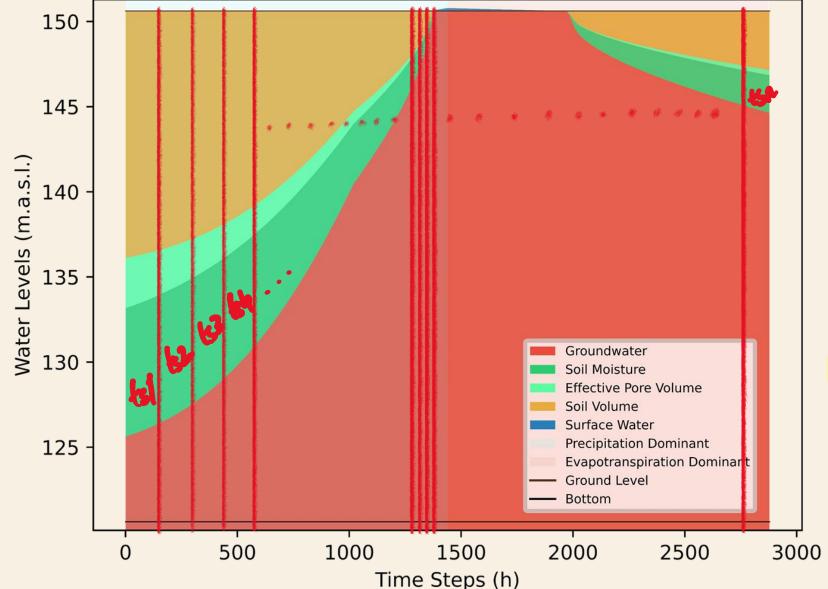
Illustration of the exchange processes per model element: GWSWEX



Model Physics: conceptualizing the Van Genuchten^[10] – Mualem Model ^[11]



Model Behaviour: Sample model element



- Buildable as a standalone Fortran 90 program or as a python importable Fortran module (f2py)
- Average execution time* for a model with 10,000 model elements, and 3,000 time-steps is ~14 min
- Average execution time* for a model with 50,000 model elements, and 5 time-steps is ~19 s
- * Ryzen 7 3700X, 32GB RAM

