Wet Simulation 1

"Wet" simulation with a fluid production rate $\boldsymbol{S_0 = 10^{-11}\ s^{-1}}$, and a maximal fault permeability $\boldsymbol{K_{max} = 10^{-8}\ m^2}$**.** This simulation was performed with an initial stress defined as $\boldsymbol{\sigma_1 = 3\ \sigma_3}$.

Data in Folder "Wet Simulation 1":

- **Shear_stress**: tangential stress "τ" (Pa) fluctuation along the fault during the seismic cycles.
- **Fault_velocity**: fault velocity "V_f" (m/s) fluctuation along the fault during the seismic cycles.
- **Slip**: slip (m) along the fault during the seismic cycles.
- **Fluid_overpressure**: Fluid overpressure "P_e" (Pa) fluctuation along the fault during the seismic cycles.
- **Pore_Fluid_Factor:** Pore-fluid factor "λ" fluctuation along the fault during the seismic cycles. This variable is defined as the ratio of the fluid pressure to the vertical stress.
- **Time**: Time variable (yrs). Data was printed every 0.5 seconds during the coseismic period, and every 1 year during the interseismic period.
- **Fault_depth**: Depth of the fault nodes (m).
- **Fault_depth_FLUID**: Depth of the fault nodes (m) for the fluids data (i.e., Pore_Fluid_Factor and Fluid_overpressure).