Wet Simulation 2

"Wet" simulation with a fluid production rate $S_0 = 10^{-11}\, s^{-1}$, and a maximal fault permeability $K_{max} = 10^{-9}\ m^2$. This simulation was performed with an initial stress defined as $\sigma_1 = 3\,\sigma_3$.

<u>Data in Folder "Wet Simulation2":</u>

- **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).