

Peer-reviewed publication on numerically modelled induced seismicity

A Q-con paper on numerical simulations of hydro-mechanical processes acting during reservoir stimulation has been published in the International Journal of Rock Mechanics and Mining Sciences:

[“A numerical model for fluid injection induced seismicity at Soultz-sous-Forêts”](#)

Our numerical model reproduces observations typically made during geothermal reservoir stimulations, such as number and magnitude of induced events, hypocenter locations (including the Kaiser effect), and the largest magnitude event occurring several days after shut-in.

With this methodology and the associated simulation software, Q-con provides a powerful tool for developing seismic risk mitigation strategies during the planning and supervision of hydraulic reservoir operations.

