

Database variables

General project information

- Case number
- Country
- Location
- Latitude (°)
- Longitude (°)
- Project type
- Sub-class

Site characteristics

- Depth of basement (m)
- Stress
- Overburden stress, σ_v (MPa)
- Min. horizontal stress, σ_h (MPa)
- Max. horizontal stress, σ_H (MPa)
- Max. horizontal stress direction (°)
- Pore pressure (MPa)
- Temperature (°C)

Injection data

- Depth of injection (m)
- Injection type
- Injection start date
- Fluid type
- Injection temperature (°C)
- Max. Injection rate (m³/s)
- Injected volume (m³)
- Net injection volume (m³)
- Max. wellhead pressure (MPa)
- Max. bottom-hole pressure (MPa)

Host rock properties

- Formation name
- Stratigraphy
- Fracture density (count/m)
- Density (kg/m³)
- Porosity (-)
- Permeability (m²)
- Young's modulus (GPa)
- Poisson's ratio (-)
- Bulk modulus (GPa)
- Shear modulus (GPa)
- Biot coefficient (-)
- Friction angle (°)
- Cohesion (MPa)
- UCS (MPa)
- Tensile strength, T_0 (MPa)
- Thermal Conductivity (W/mK)
- Thermal expansion coefficient (1/K)

Fault properties

- Strike (°)
- Dip (°)
- Dip direction (°)
- Fault name
- Fault type
- Thickness (m)
- Core thickness (m)
- Distance from injection (m)
- Intersection depth (m)
- Density (kg/m³)
- Porosity (-)
- Permeability (m²)
- Normal Stiffness (GPa/m)
- Shear stiffness (GPa/m)
- Dilation angle (°)
- Young's modulus (GPa)
- Poisson's ratio (-)
- Friction angle (°)

Induced seismicity information

- Seismicity onset
- Time between injection and first seismicity (d)
- Number of events
- Depth of seismicity (m)
- G-R law parameters, before injection
- G-R law parameters, during injection
- G-R law parameters, after injection

Seismicity information for M_{max}

- M_{max}
- Type of M_{max}
- Depth of M_{max} (m)
- Distance from injection (m)
- Date of M_{max}

Complementary remarks

References