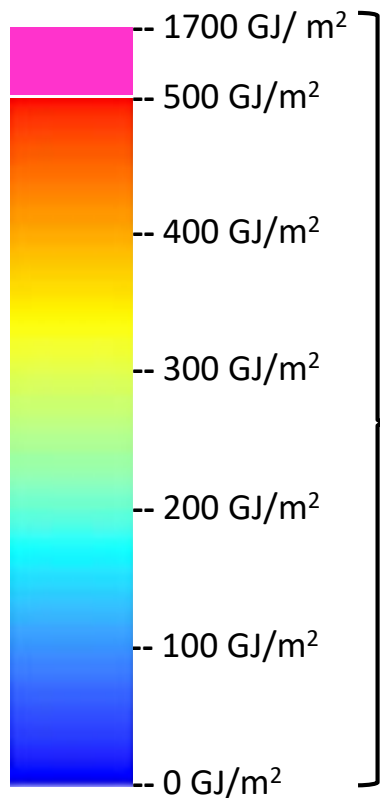
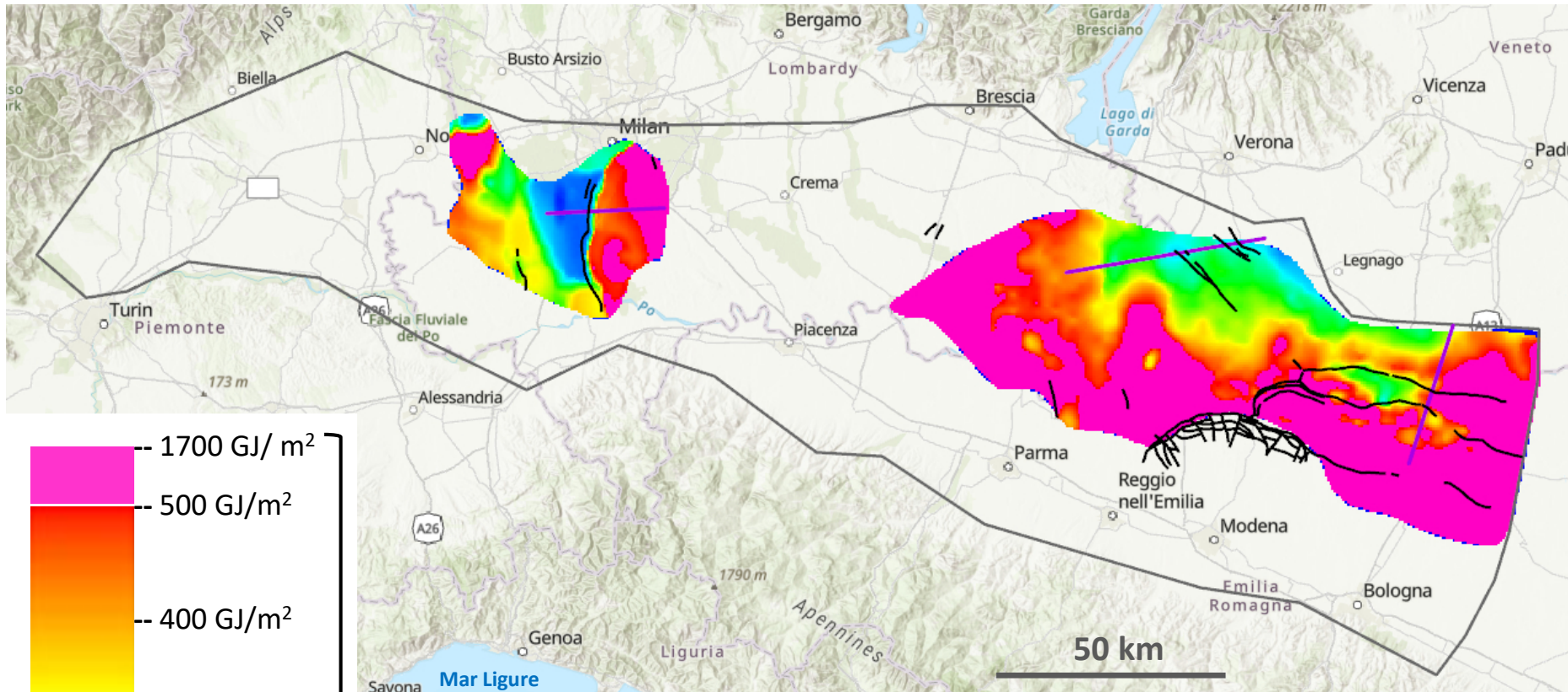




Distribution of Heat-in-Place applied for $T_{\text{ref}} 18^\circ\text{C}$ (cf. [Factsheet Heat-in-Place](#))

assessed based on temperature model (see chapter 2.7 in [Report 3.1](#) and geometries derived from a 3D geological model (see chapter 4.5 in [Report 2.0](#)).

Principal faults and thrust fronts

(primary conduits for hydrothermal fluids and zones of possibly higher, but not quantifiable Heat-in-Place. Shown are the fault traces at the top of the carbonate geothermal reservoir as detectable in seismic surveys, see [Factsheet Faults](#)). All faults depicted are described in detail in the [HotLime Tectonic Boundary Objects](#) vocabulary.

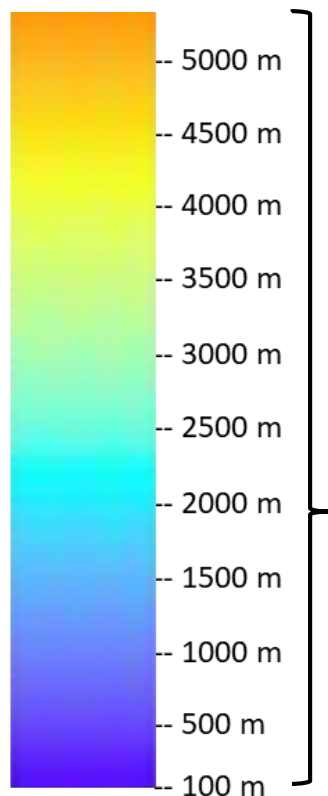
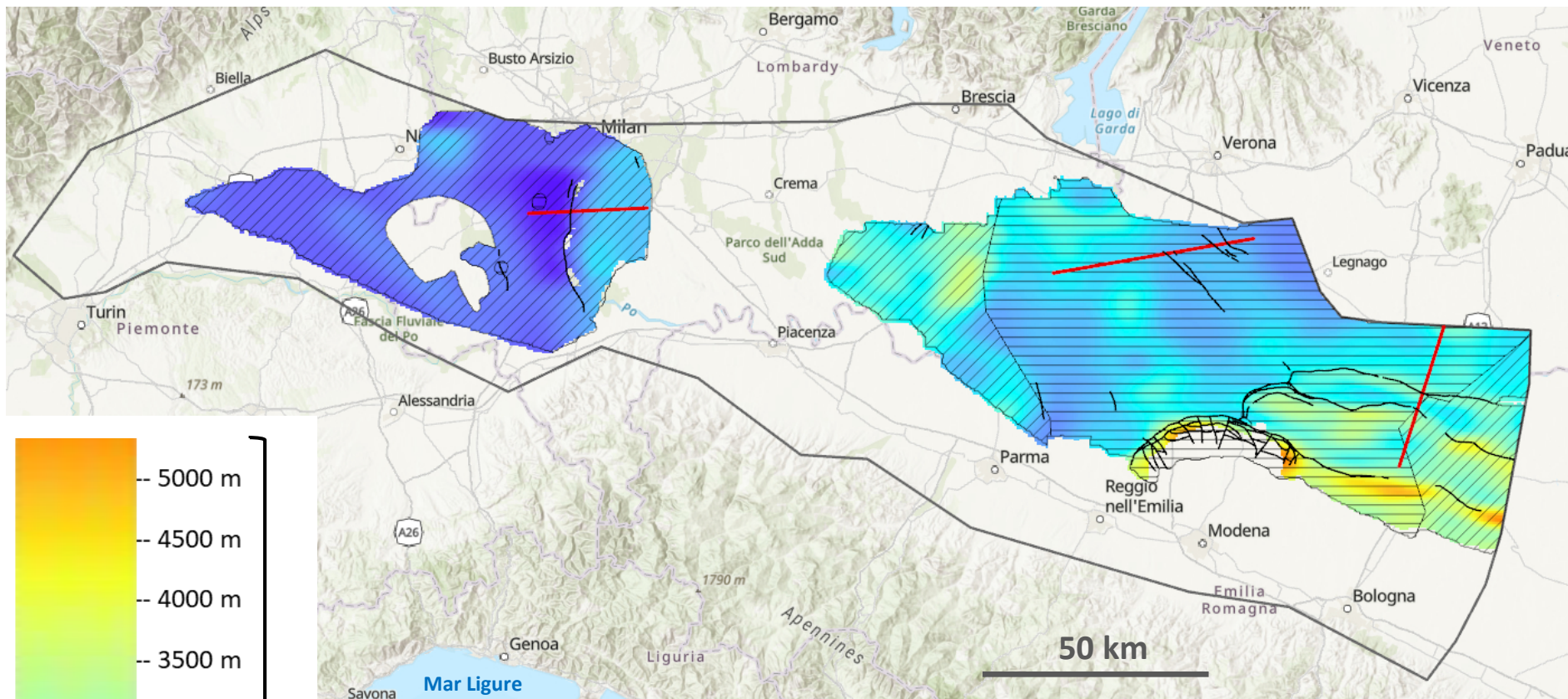
Cross-section line → [click a line to see the fault geometries and faults within the reservoir rock suites](#)



HotLime Case Study 5

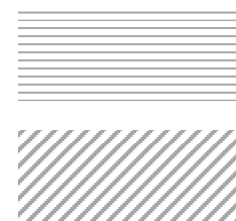
Upper Triassic to Middle Eocene carbonates of the Po Basin

- HIP18 distribution
- Principal faults on top of reservoirs
- Cross-section lines



Thickness of carbonate geothermal reservoir (as one of the crucial parameters for Heat-in-Place assessment, cf. [Factsheet Heat-in-Place](#)).

For more details on the reservoir see [Po Basin geological units: Carbonate Mesozoic reservoir](#)



Shallow water deposits

Basin deposits



Cross-section line → [click a line to see the thickness variations in the cross-section](#)

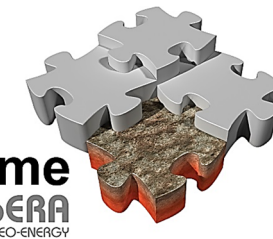


HotLime Case Study 5

Upper Triassic to Middle Eocene carbonates of the Po Basin

- Gross thickness of reservoirs
- Facies distribution
- Cross-section lines

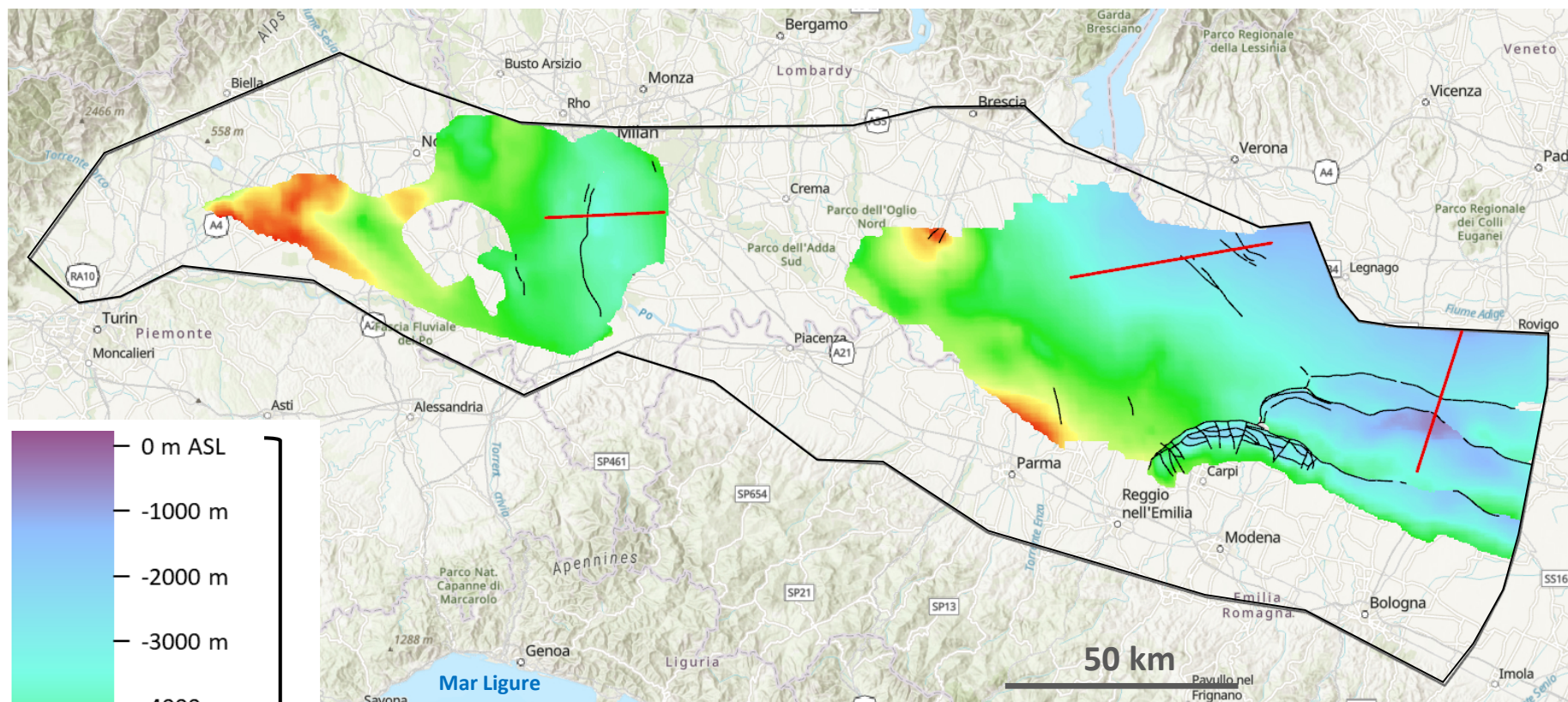
For explanation see [Factsheet Facies](#)



HotLime Case Study 5

Upper Triassic to Middle Eocene carbonates of the Po Basin

- Depth to top of reservoir
- Fault inventory
- Cross-section lines

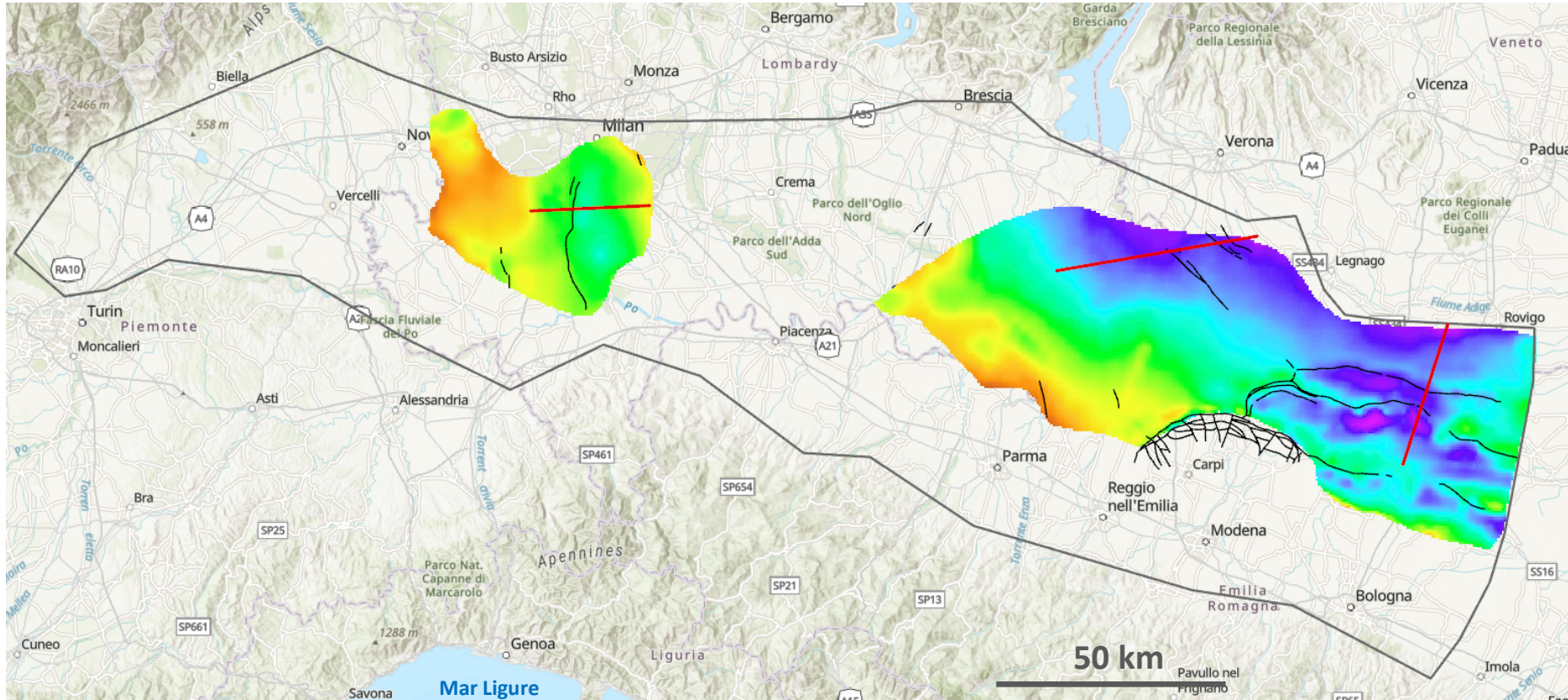


Depth to top of carbonate geothermal reservoir (minimum drilling depth to tap the reservoir).

Faults traces at the top of the carbonate geothermal reservoirs as detectable in seismic surveys (see [Factsheet Faults](#))

All faults depicted are described in the [HotLime Tectonic Boundary Objects](#) vocabulary.

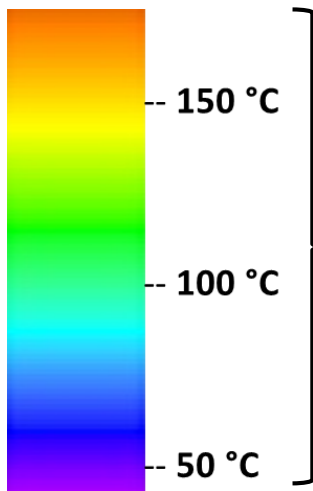
Cross-section line → [click a line to see the depth changes \(throw\) at faults and the faults within the reservoir rock suites](#)



HotLime Case Study 5

Upper Triassic to Middle Eocene carbonates of the Po Basin

- Temperature on top of reservoirs
- Principal faults on top of reservoirs



Temperature on top of reservoir, derived from a temperature model (cf. [Report 3.1](#)), as one of the crucial parameters for Heat-in-Place assessment (cf. [Factsheet Heat-in-Place](#)). See also chapter 4.5 in [Report 2.0](#).



Traces of principal faults at the top of the carbonate geothermal reservoirs

(see [Factsheet Faults](#))

All faults depicted are described in the [HotLime Tectonic Boundary Objects](#) vocabulary.

Cross-section line → [click a line to see the fault geometries and faults within the reservoir rock suites](#)