



## Post-conference Fieldtrip 12th - 13th September 2022 Edinburgh and Fife, Scotland

Dr Douglas Watson (University of Aberdeen) and Dr Charlotte McLean (Heriot Watt University, previously of CASP)

Join us for a two day post-conference fieldtrip exploring the impact of volcanism on the georesources of the Late Devonian-Carboniferous basin within the Midland Valley in central Scotland. The fieldtrip will visit exposures of intrusive, extrusive and volcanoclastic rocks in Edinburgh and Fife to illustrate how volcanism and magmatism can affect **basinal heat flow, the timing of fluid migration, and the impact of igneous material on sealing units and reservoir quality**. Proximity to seismic and well data from the Firth of Forth also enables direct correlation between the onshore and offshore, and provides the opportunity to examine the subsurface expression of volcanic rocks. The impact of volcanism on the hydrocarbon and CCS potential of the Midland Valley will be discussed, and inferences made will be applied to other volcanically-affected basins.

### Itinerary:

- Day 1 - Intrusions, lava flows and heat flow. Arthur's Seat & South Queensferry, Edinburgh
- Day 2 - Volcanic vents, diatremes and volcanoclastic rocks. Elie & Kinghorn, Fife

Cost includes one night accommodation, transport during fieldtrip and field guide

\*(Please note that travel to/from Edinburgh is not included in the price)

