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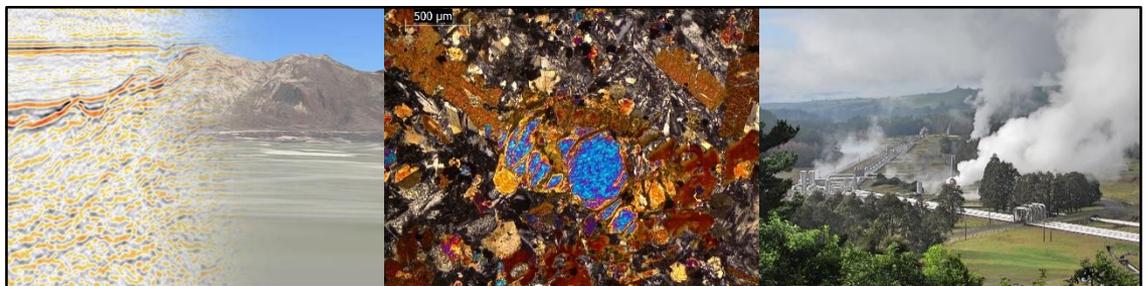


**Call for abstracts – Deadline Friday 25 March 2022**

# The impacts of volcanism on sedimentary basins and their energy resources

8 - 9 September 2022

The Geological Society, Burlington House, Piccadilly London



A large number of global sedimentary basins are impacted by igneous systems in the form of extrusives, intrusives and volcaniclastics. Considerable research regarding the impact of these volcanics on hydrocarbon plays has been completed in recent years including the role of intrusions in basinal heat flow and fluid migration, diversion of sediment pathways in volcanic terrains, and influence of igneous material on sealing units and reservoir quality. Sub-basalt stratigraphy also continues to be an enigma in many parts of the world both in terms of seismic imaging and play element definition. There is now an opportunity to disseminate and share learnings globally, which could unlock energy opportunities in other hydrocarbon basins impacted by volcanism. Increasingly these concepts can also help to develop geothermal plays or delineate carbon capture and hydrogen storage. For example, the knowledge built up by the hydrocarbon industry on reservoir and seal characterisation in volcanically affected basins will have a strong influence on geothermal opportunities and gas storage site definition. The aim of the conference is to encourage global submissions to applied problems across the span of the energy transition. In particular the committee encourage expressions of interest for submissions regarding:

- Margin and basin-wide examples of volcanic systems and their impact on resource plays (hydrocarbons, geothermal, hydrogen, CCUS)
- Global examples of the impact of volcanics on reservoirs and seals from pore to basin-scale
- The influence of volcanics on basinal heat flow and our understanding of geothermal gradients, hydrocarbon charge and impact on geothermal systems.
- Examples of new tools to aid our understanding of volcanic impacted basins (at all scales from seismic imaging to diagenetic analysis).

**For further information please contact:**

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