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## THE JANET WATSON MEETING 2019

# From core to atmosphere: Deep carbon

26-28 February 2019

The Geological Society, Burlington House



Carbon is the element central to the evolution of life and maintenance of the Earth's habitability. Though the presence of carbon at Earth's surface is well known and vitally important, the majority of Earth's carbon is thought to reside in the Deep Earth. Constraining the magnitudes of the fluxes to and from the Earth's interior, and how they are controlled, is vital for understanding how the present-day Earth came to be and how it may develop in the future.

This three-day meeting will bring together early career geoscientists and senior members of the Deep Carbon research community. Presentations and discussions will encompass the latest advances in our understanding of the behaviour of carbon at the extreme pressures and temperatures of the Earth's deep interior, the exchange of carbon between the near-surface and deep reservoirs, the abiotic development of organic compounds through deep time, and the extreme limits of life on Earth. Mentoring activities will take place throughout the meeting, where senior scientists will lead small group discussions about their research careers and experiences in academia.

### Conference themes

- Deep Carbon origins, storage and transport
- Carbon in the deep biosphere
- Deep Carbon through time
- The future of Deep Carbon research
- Deep Carbon synthesis

The final day of the conference is dedicated to workshops addressing the future of Deep Carbon research and exploring the application of new software driven tools for understanding carbon in the Earth.

### Call for abstracts

There is a call for abstracts and oral and poster contributions are invited. Abstracts should be sent in a Word document to [ruth.davey@geolsoc.org.uk](mailto:ruth.davey@geolsoc.org.uk) by 28 December 2018. The abstract should be approximately 500 words and include a title and acknowledgement of authors and their affiliations where possible.

### Convenors:

Simon Matthews (University of Cambridge)  
Lotta Purkamo (University of St Andrews)

### Further information

For further information about the conference please contact:

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