



**Post-Doctoral Research Scientist – HiTech AlkCarb  
2 Year Fixed Term Appointment  
Edinburgh**

The British Geological Survey (BGS) is one of the world's leading and forward thinking environmental science institutes with a focus on both public good science for government and geoscientific research to understand earth and environmental processes. Working in our Edinburgh office, we are looking for a postdoctoral research scientist to work on the European Commission-funded HiTech AlkCarb project ([www.carbonatites.eu](http://www.carbonatites.eu))

The HiTech AlkCarb project started in February 2016, with a remit to develop new geo-models to explore for 'hi-tech' raw materials in alkaline igneous rocks and carbonatites, and the team comprises partners from across Europe. We have been gathering data to address a number of key science questions to underpin the geo-models, using a number of natural laboratories. This post-doctoral research position will be part of Work Package 5, which will synthesise work from the first two years of the project to create conceptual geo-models for alkaline igneous systems and, where appropriate, build simple 3D models to illustrate those conceptual ideas. Two main types of alkaline igneous systems are being considered; those in intracontinental rift zones, and those in post-collisional settings. For both settings, you will collate large amounts of field, petrological, mineralogical and geochemical data, including building databases where necessary, and develop holistic conceptual models for critical raw material mineralisation. Major objectives include: understanding the controls on hi-tech mineralisation, identifying potential targeting methods within these alkaline igneous systems, and developing 2D and 3D illustrations of the conceptual models.

Qualified to BSc and PhD in Geology / Earth Sciences, you will be a proficient researcher with experience of the geology of alkaline igneous systems. In addition, you should be able to demonstrate an ability to interpret and synthesise geological, mineralogical and geochemical data for igneous systems.

You must possess excellent communication skills, both oral and written. You should be able to demonstrate an ability to present your work both in high-impact journal papers and at conferences, and communicate effectively with industry partners. The post involves team working; therefore you should be able to work flexibly and effectively with others, have good time management skills and be able to work on several tasks concurrently. You will be expected to attend a number of HiTech AlkCarb project meetings and workshops across Europe and beyond, and to collaborate closely with the wider project team, including a post-doctoral researcher at GEUS in Copenhagen who will also be working on Work Package 5. There will be some opportunities for fieldwork and additional data collection, with a trip to Namibia planned in Spring 2018.

If you would like to discuss the role further then please contact Dr Kathryn Goodenough [kmgo@bgs.ac.uk](mailto:kmgo@bgs.ac.uk) or telephone 0131 650 0272.



Interviews are expected to be held in November 2017 in our office in Edinburgh and the post-holder will commence employment in February 2018.

This is a two-year, full time fixed term appointment. Depending on qualifications and experience, full time starting salary will be £28,200 per annum to £30,600 per annum.

Working hours are 37 per week excluding lunch breaks. A generous benefits package is also offered, including a company pension scheme, childcare voucher scheme, free on-site parking, 30 days annual leave plus 10.5 days public and privilege holidays.

Applications are handled by the RCUK Shared Services Centre; to apply please visit our job board at [http://www.topcareer.jobs/Vacancy/irc241969\\_7320.aspx](http://www.topcareer.jobs/Vacancy/irc241969_7320.aspx) and submit your up-to-date C.V. and covering letter, which clearly outlines why you are applying for this post and how you meet the criteria described in this advertisement. Applicants who would like to receive this advert in an alternative format (e.g. large print, Braille, audio or hard copy), or who are unable to apply online should contact us by telephone on 01793 867003, Please quote reference number IRC241969.

Closing date for receipt of application forms is 3 September 2017.

The Natural Environment Research Council is an equal opportunities employer and welcomes applications from all sections of the community. People with disabilities and those from ethnic minorities are currently under-represented and their applications are particularly welcome. The British Geological Survey is an Investors in People organization and has Athena SWAN bronze award. There is a guaranteed Interview Scheme for suitable candidates with disabilities.

