Space Weather Geophysicist
3 year fixed term appointment

Based in our Edinburgh office – on the Heriot Watt campus

The British Geological Survey (BGS) is one of the world's leading and forward thinking geological science institutes with a focus on both public good science for government and geoscientific research to understand earth and environmental processes. A vacancy has arisen for a highly motivated Space Weather Geophysicist to work in the BGS Edinburgh Office.

Working on the NERC 'Space Weather Impacts on Ground-based Systems' (SWIGS) project, you will support and help execute an extensive fieldwork campaign to make magnetotelluric (MT) and geomagnetically induced current (GIC) measurements at sites around the UK. In addition, you will carry out computer modelling of MT data (including data mining older paper records) in conjunction with the School of GeoSciences at the University of Edinburgh, and validate the results against measured data. You will also support computer modelling of GIC in the power transmission network and, for the first time in the UK, also in pipeline and railway networks, simulating the impact of space weather events on infrastructure. Other duties include maintaining and enhancing the scientific reputation of BGS geomagnetism by publishing and presenting scientific results on geomagnetic and space weather hazard, and developing and maintaining links with other leading research groups in geomagnetism and/or solar-terrestrial physics.

You should be qualified to PhD level in geophysics, space science, physics, mathematics, or similar relevant discipline, or equivalent post-graduate level experience in a scientific or other research environment. In addition you should have experience in undertaking research in a physical science to doctorate level or equivalent.

You should have experience in managing, collecting and analysing scientific datasets and presenting scientific results therefore you must have good presentation skills together with effective written communication skills.

The post will involve multidisciplinary team working; therefore you must be able to work effectively with scientists in different disciplines. The post will require you to travel off-site regularly and work in remote UK environments for a number of days at a time.

This is a 3 year fixed term appointment in the first instance. The salary for the post is between £28,200 and £30,600 per annum, depending on qualifications and experience.

A generous benefits package is also offered, including a company pension scheme, childcare allowance (salary sacrifice scheme), 30 days annual leave and 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/irc241610_7257.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 IRC241610.

Closing date for receipt of CV's is 30 July 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 achieved Bronze status for Athena Swan – a scheme that recognizes excellence in women's employment in science, technology, engineering, maths and medicine (STEMM) in UK higher education. There is a guaranteed Interview Scheme for suitable candidates with disabilities.

disability confident EMPLOYER