



Geomagnetic data processor

UKRI – NERC – BGS

The Lyell Centre, Edinburgh

£19 136 to £20 800 per annum (depending on qualifications and experience)

Full-time – 37 hours a week (a range of flexible working options may be available)

Fixed term appointment (six months)

About us

The British Geological Survey (BGS) is an applied geoscience research centre housed in UK Research and Innovation (UKRI) and affiliated to the Natural Environment Research Council (NERC). It is a world-leading geological survey that provides a core science mission to inform government of science related to the subsurface and its interfaces and undertakes applied research for solutions to earth and environmental processes, both in the UK and globally. It is funded directly by UKRI as well as through research grants and private sector contracts.

The BGS has an annual budget of approximately £60 million and employs 650 people. It has two main sites: a head office in Keyworth near Nottingham and the Lyell Centre, which is a joint collaboration with Heriot-Watt University in Edinburgh. The BGS works with more than 150 private sector organisations as well as having close links with 40 universities and sponsors approximately 100 PhD students each year.

We are seeking to appoint a highly motivated support scientist on a temporary basis (six months) to join the BGS geomagnetism team based at our office in Edinburgh.

About the role

The geomagnetism team are responsible for measuring, modelling and analysing the Earth's ever-changing magnetic field (see [geomagnetism](#) for more information). This work contributes to the team's involvement in various real-world applications, including the application within directional drilling activities in the oil and gas industry.

The successful candidate will contribute to the team's response to deliver enhanced geomagnetic referencing services to the oil and gas industry by responding to email enquiries, running computer programs within a Linux operating system and delivering results both by email and on dedicated web servers. You may also assist the team with the gathering of magnetic data and data processing and provide support for other research activities – appropriate on-the-job training will be provided. Other responsibilities will include:

- providing support to scientific and IT colleagues working on new developments for the improvement of the geomagnetic referencing services and other applications in geomagnetism
- helping maintain and enhance the scientific reputation of BGS geomagnetism by providing first-class support to colleagues
- participating in scientific outreach activity with customer groups and the general public as and when required.



About you

You should have mathematics and/or physics to at least Scottish Higher or A-Level standard. A degree/diploma in a physics, geophysics, mathematics or physical geography discipline or equivalent work experience would be very desirable.

You should be able to demonstrate a proficiency in standard Microsoft Office applications, including email and Excel. Experience of working on Linux-based computers or in other non-Windows based operating systems would be a distinct advantage, as would scientific programming skills and/or some basic knowledge of the Earth's magnetic field. Further practical, academic or industry experience would also be desirable.

The position will be based in the BGS Edinburgh office, which is located on the Heriot-Watt University campus, and the successful candidate must be able to attend this office during normal working hours. This position is ideal for someone looking to gain valuable work experience and someone with an interest in working in an applied scientific area.

Please refer to the specific essential and desirable skills criteria for this post.

What we offer

A generous benefits package is offered, including a very competitive pension scheme, 30 days' annual leave plus bank holidays, free parking and access to flexi-time. For a salary at the top end of the advertised range, you will also need to meet the desirable criteria detailed on the TopCareer.jobs website.

We also offer the 'Bike to Work' scheme, free parking, health and wellbeing support, social clubs and on-site sports facilities.

Please note that any internal BGS staff applying for this post would, if successful, be appointed to new UKRI Terms and Conditions and pay.

How to apply

Applicants are required to include a cover letter outlining their suitability for this role. We would stress the importance of this paperwork in our selection process. **A well thought-through application addressing the advertised essential and desirable criteria for the post will be considered far more favourably than a generic covering letter and CV.**

Applications are being handled by UK Shared Business Services. To apply please visit our job board at http://www.topcareer.jobs/Vacancy/irc248226_9133.aspx.

Applicants who are unable to apply online should contact us by telephone on +44 (0)1793 867000.

Closing date for receipt of applications is 17 February 2019. Interviews will take place during week commencing 25 February 2019.

The BGS provides a range of flexible working options including flexible working patterns, compressed hours and home working so if you have a need for flexibility, please raise this in



the recruitment process when your needs, balanced with the requirements of the role, will be fully considered.

We are committed to promoting equality and diversity across our organisation as well as across all areas of our science community. As such, we aim to have a workforce composed of employees from all backgrounds with people who are passionate about earth science and who share our commitment to work for the good of the environment and the benefit of society.

We will actively seek to avoid discrimination on the grounds of age, being or becoming a transsexual person, being married or in a civil partnership, being pregnant or on maternity leave, disability, race (including colour, nationality, ethnic or national origin), sex or sexual orientation.

The British Geological Survey is an Investors in People organisation and has achieved Bronze status for Athena SWAN – a scheme that recognises an organisation's commitment and progress in developing a diverse and inclusive workforce.



Specific skills criteria		
	<i>Essential</i>	<i>Desirable</i>
QUALIFICATIONS	<ul style="list-style-type: none"> Mathematics and/or physics to at least Scottish Higher or A-Level standard. 	<ul style="list-style-type: none"> A degree/diploma in a physics, geophysics, mathematics or physical geography discipline or equivalent work experience.
EXPERIENCE	<ul style="list-style-type: none"> Basic appreciation of scientific data analysis. 	<ul style="list-style-type: none"> Any practical, scientific, academic or industry work experience.
KNOWLEDGE	<ul style="list-style-type: none"> Demonstrable proficiency in Microsoft Office software packages, including email and Excel. 	<ul style="list-style-type: none"> Experience of working on Linux-based computers or other non-Windows based operating systems. Experience of scientific



		<p>programming languages.</p> <ul style="list-style-type: none"> • Basic knowledge of the Earth's magnetic field. • Knowledge of geographical coordinate systems.
SKILLS AND ABILITIES	<ul style="list-style-type: none"> • Well organised with the ability to work unsupervised. • Ability to communicate effectively with colleagues and industry customers, both in writing and verbally. • Demonstrates good attention to detail. • Demonstrates a good level of mental arithmetic. • Ability to prioritise your work and meet tight deadlines. 	<ul style="list-style-type: none"> • Ability to emphasise with the needs of the business and your colleagues and relate this to your support role in the organisation.
PERSONAL QUALITIES	<ul style="list-style-type: none"> • A team player with a desire to help people, customers and colleagues. • Ability to adapt to changing priorities. 	<ul style="list-style-type: none"> • A fast learner.
MOTIVATION	<ul style="list-style-type: none"> • Demonstrates an interest in the work of Geomagnetism and the work of the BGS. • Shows determination to acquire new knowledge and skills. 	<ul style="list-style-type: none"> • Demonstrates an interest in your own personal development. • Demonstrates curiosity and a drive to resolve scientific and technical problems.

