Energy Decarbonisation Geologist
UKRI – NERC – BGS
Keyworth, Nottingham
£24,435 to £26,560 per annum (depending on qualifications and experience)
Full-Time – 37 hours a week (a range of flexible working options may be available)
Permanent Appointment

About us

The British Geological Survey (BGS) is an applied geoscience research centre that is 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 also 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 via private sector contracts.

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. 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.

BGS has an exciting opportunity for a highly motivated and experienced deep sub-surface geologist to join the Decarbonisation Challenge Team based at our headquarters in Keyworth in Nottingham.

About the role

BGS has a well established reputation for international research excellence in Carbon Capture & Storage (CCS). This post will be based within the CCS Team but the successful candidate will work across the full Decarbonisation Challenge, developing skills in areas such as compressed air energy storage and geothermal research. You will be expected to interpret geophysical and petrophysical data as part of a 3D geological model building workflow. As such, you will be able to demonstrate a sound understanding of structural geology and have experience in geophysical data interpretation.

The successful candidate will work with our team of interpreters and multi-phase flow modellers to investigate fluid processes in the sub-surface. The work will mainly be based in the UK, however, there may also be opportunities to work overseas for short periods of time.

Gateway to the Earth

About you

With a passion for Geology, you must be educated to 2:1 or above in a relevant science degree. In addition, you will have the following knowledge, skills and experience:

- Demonstrable experience of seismic data interpretation.
- Evidence of an understanding of structural geology and stratigraphy.
- A desire to use geophysical and petrophysical data to understand the sub-surface and construct 3D geological models.
- Ability to carry out research in geological CO_2 storage and other low carbon geoenergy topics.

You will also be expected to:

- Provide ad hoc support to team members and colleagues, including some project management tasks.
- Attend and present your research at internal project meetings and external conferences.

The successful candidate should therefore have excellent communication and presentation skills and be prepared to deliver reports and publications to a wide range of stakeholders.

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

What we offer

A generous benefits package is also 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/irc248689_9242.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 14 April 2019. Interviews will be held on 16 May 2019.

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 with 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		
	Essential	*Desirable*
QUALIFICATIONS	• At least an Upper Second Class honours degree in Geoscience, Geology or Geophysics	• MSc or PhD, with a focus on the deep sub-surface • Full driving licence
EXPERIENCE	• University degree modules to have included seismic data interpretation, petrophysical analyses and 3D geological model building • Demonstrable experience in the interpretation or application of geophysical data sets	• Experience of interpreting 3D seismic data sets

	• A university degree project related to deep sub-surface interpretation and modelling	
KNOWLEDGE	• An understanding of deep sub-surface imaging and modelling techniques used in basin analysis e.g. seismic and well data • Demonstrable knowledge of structural geology and stratigraphy	• Knowledge of computing in a geoscience environment
SKILLS AND ABILITIES	• Must possess excellent communication skills, both written and oral • Ability to present your science clearly to non-scientists	• Ability to work efficiently to tight project deadlines
PERSONAL QUALITIES	• Willingness to take on additional responsibilities • Ability to travel off-site and/or overseas as and when required	
MOTIVATION	• Demonstrates an interest in the work of BGS, NERC and UKRI • Displays a clear interest in geological methods for decarbonisation	

disability confident EMPLOYER

Athena SWAN Bronze Award

INVESTOR IN PEOPLE