

NERC Doctoral Positions in Exascale Computing for Earth, Environmental, and Sustainability Solutions (ExaGEO)

Join us in tackling challenges in Earth and environmental sciences using state-of-the-art modelling

Applications are now open for at least 13 fully funded 3.5-year PhD studentships in the field of exascale computing starting in September 2026.

All fees and stipends are funded at the standard [UKRI rate](#).

Application Deadline: 9th January 2026 with interviews taking place from 2 - 6th March 2026.

[Apply Now](#)

ExaGEO is a partnership between the **University of Glasgow**, the **University of Edinburgh (EPCC)**, and **Lancaster University (CEEDS)**. Together, we offer a unique interdisciplinary PhD training environment at the interface of **Earth and environmental sciences, computational engineering, and data science**.

Our mission is to **harness the power of exascale computing** to integrate complex Earth system models and **train the next generation of researchers** to quantify present-day processes and explore future environmental scenarios.

ExaGEO tackles some of the most pressing modelling and data analysis challenges in earth and environmental sciences alongside computational research. Students will work under expert supervision in fields such as:

- Atmosphere, hydrosphere, cryosphere, and ecosystem processes and evolution
- Geodynamics, and environmental change
- Geologic hazard analysis and prediction
- Digital twinning
- Sustainability solutions in engineering, environmental, and social sciences

Benefits of the Programme

- A fully funded PhD project (3.5 years) supported by a Research Training Support Grant;
- Be part of a supportive cohort
- Research and professional skills training, academic retreats and workshops;
- Internship and placement opportunities;
- A supervisory team consisting of multidisciplinary supervisors;
- The choice of undertaking your PhD at any of our partner institutions;
- Research and training opportunities in state-of-the-art GPU programming and modelling techniques intended for exascale computing applications;
- Opportunities for PhD research topics across a diverse range of Earth and environmental science disciplines.

Applicants select from a list of research projects from across our partner institutions. The full list of available PhD projects is available www.exageo.org

Funding and Eligibility

Funding covers tuition fees for UK home applicants, as well as an annual stipend at the standard UKRI rate (£20,780 in 25/26 and rising in line with UKRI levels in subsequent years. To be classed as a home applicant, candidates must meet the following criteria:

- Be a UK national or UK/EU dual national or non-UK national with settled status / pre-settled status / indefinite leave to remain / indefinite leave to enter / discretionary leave / EU migrant worker in the UK or non-UK national with a claim for asylum or the family member of such a person, and
- Have ordinary residence in the UK, Channel Islands, Isle of Man or British Overseas Territory, at the Point of Application, and
- Have three years residency in the UK, Channel Islands, Isle of Man, British Overseas Territory or EEA before the relevant date of application unless residency outside of the UK/ EEA has been of a temporary nature only and of a period less than six years.

There are a limited number of international studentships available for exceptional candidates who do not meet the UK home studentship status eligibility requirements. Funding for successful international students will match that of home students and no international top-up fees will be payable.

Please note that we unfortunately cannot cover any costs associated with relocation, visa application fees, or the Immigration Health Surcharge (NHS surcharge). These expenses will need to be met by the applicant if an offer is made.

Applicants must have, or expect to obtain, the equivalent of a 1st or 2:1 degree in a relevant subject, e.g., chemistry, computing science, earth/geo/environmental sciences, engineering, geography, mathematics etc.

Equality, Diversity and Inclusion

ExaGEO, and our partner institutions, champion EDI, believing that this is the way to increase research productivity and quality and to enhance societal and economic impact.

How to Apply

Applications must be submitted through the University of Glasgow's online application system. For full details of what is required, please visit www.exageo.org.

Contact Us

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