



**Job Title:** Research Associate (Palaeoclimate Modeller)

**Grade:** 7

**Salary:** £39,105 per annum, pro-rata if part-time

**Department:** School of Geography, Geology and the Environment

**Hours/Contract:** Full-time or job share, fixed term contract for 29.5 months

**Reference:** 11193

## Role Purpose

To have specific responsibilities with the Leverhulme-funded project 'Earth System dynamics at the birth of the animal-rich biosphere'. To work collaboratively and independently as part of a research team to achieve defined milestones and produce high quality research as part of the research programme.

## Main Duties and Responsibilities

### Research:

To undertake research as a palaeoclimatologist to support the work of the research project. You will develop one or more of the following research aims:

- To assemble and interpret climatologically sensitive geological datasets.
- To develop new proxies for deep time Earth climate interpretation, notably the use of oxygen isotope palaeothermometry applied to phosphates.
- To plan and conduct fieldwork to seek out new geological/palaeontological data for the project.
- To provide robust and highly stratigraphically resolved datasets that can be used to test global climate reconstructions for the study interval

In Addition, you will need:

- To work collaboratively and iteratively within the research team to compare geological data and climate model simulations of Earth's climate state in deep time.
- To contribute to the overall research programme using innovative research models, and novel approaches and techniques.
- To liaise with project collaborators to progress the research, and especially with the University of Burgundy and University of Cambridge.
- To write up research findings for dissemination amongst the research team and broader international community, and develop ideas and contributions for future grants, technical outputs.
- To represent the research group by disseminating results/findings at national and international conferences and to the broader community.
- To contribute to research outputs as a lead- and co-author to journal articles and book chapters.
- To seek opportunities to carry out multi-disciplinary research with other research groups at the University or stakeholders external to the University.

### Professional Development:

- Duties and opportunities to engage in work that support your own professional development.





### Impact and Knowledge Exchange:

- Network and contribute to the maintaining and furthering of the wider research programme and research area
- To engage positively and pro-actively in research impact

### Leadership and Citizenship:

- Guidance to other team members both research staff and students
- Pro-actively build networks and collaborations.
- Providing mentoring and coaching to Early Career Researchers and research students

### Internal and External Relationships

- Regular meetings with members of the programme research group
- Meeting members of the department for critical discussion of the research and exchange of new ideas and approaches that might benefit the research
  - Liaison with external collaborators including annual research visits to the University of Burgundy

### Planning and Organising

You will be required to effectively manage your time to plan your research activity and to deliver on the priorities of the project:

- Prioritise tasks within agreed work schedules
- Plan for specific aspects of research incorporating issues such as deadlines, project milestones and overall research aims
- Adapt daily and weekly plans to accommodate new developments and be flexible to the changing priorities of the research project
- Planning research visits to Burgundy to maximise interaction between the climate modelling and data interpretation components of the project

### Qualifications, Knowledge and Experience

#### Essential

- PhD in a relevant palaeoclimatological, palaeontological or geological discipline\*
- Ability to work with and understand large, diverse, climate datasets in deep time geological settings\*
- Evidence of a leadership role in peer-reviewed journal papers\*

### Skills, Abilities and Competencies

#### Essential

- Willingness and ability to work with internal and external stakeholders
- Evidence of continued development of subject expertise
- Excellent communication skills – written and verbal evidenced by the ability to communicate complex information





- Evidence of working effectively as part of a team and the ability to work independently
- Working towards independence and ability to be involved in collaborative research
- Collegiate member of a research team

**Desirable**

- Budget management skills

***\*Criteria to be used in shortlisting candidates for interview***

**Reason for Fixed Term Contract**

The reason for the fixed term contract is stated in section 1.9 in the summary of contractual terms in your contract of employment.

**Criminal Declaration**

If you become an employee, you must inform your manager immediately, in writing, if you are the subject of any current or future police investigations/legal proceedings, which could result in a criminal offence, conviction, caution, bind-over or charges, or warnings.

**Supporting University Activities**

As a University of Leicester citizen, you are expected to support key university activities such as clearing, graduation ceremonies, student registration and recruitment open days. We expect all staff as citizens to work flexibly across the University if required.

**University Values**

**Inclusive** - We are diverse in our makeup and united in ambition. Our diversity is our strength and makes our community stronger.

**Inspiring** - We are passionate about inspiring individuals to succeed and realise their ambitions. We challenge our community to think differently, to get involved, and to constantly embrace new ideas.

**Impactful** - As Citizens of Change we will generate new ideas which deliver impact and empower our community

**Equity and Diversity**

We believe that equity, diversity and inclusion is integral to a successful modern workplace. By developing and implementing policies and systems that challenge stereotypes across all aspects of our work, we have a culture that recognises and values the diverse contributions of our staff which benefits everyone. Our strong values of inclusivity and equity support our efforts to attract a diverse range of high quality staff and students, and identify our University as a progressive and innovative workplace that mainstreams equity, diversity and inclusion.

