



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

**Senior Research Scientist in Atmospheric Boundary-Layer Science,
National Centre for Atmospheric Science, Faculty of Environment**



Salary: Grade 8 (£48,149 – £57,422 p.a. depending on experience)

Reporting to: Charles Chemel, Principal Research Scientist in Atmospheric Science

Reference: ENVNC1033

Location: University of Leeds (with scope for hybrid working)

We are open to discussing flexible working arrangements

Senior Research Scientist in Atmospheric Boundary-Layer Science, National Centre for Atmospheric Science, School of Earth and Environment, Faculty of Environment

Overview of the Role

Would you like to develop a programme of original research in the area of atmospheric boundary-layer science? Do you have a substantial track record of high-quality research publications in independently peer-reviewed journals? Are you someone who enjoys working collaboratively and keen to shape the strategic development of atmospheric boundary-layer science? If so, we want to hear from you!

The National Centre for Atmospheric Science (NCAS) is a world leading research centre, dedicated to the advancement of atmospheric science. Our research revolves around four key areas: air pollution, climate and global change, weather science, and digital atmosphere. We also provide the UK with state-of-the-art services for observing and modelling the atmosphere. These include a research aircraft, advanced ground-based observational facilities, computer modelling and support, and facilities for storing and analysing data. We play a significant and influential role in many international science programmes and provide advice, leadership, training and national capability in atmospheric science.

NCAS is supported by the Natural Environment Research Council (NERC) and has over 250 members of staff embedded across UK universities and research institutes.

We are seeking to recruit a highly motivated individual to develop and grow atmospheric boundary-layer research within NCAS. Understanding the role of the atmospheric boundary layer is crucial to addressing the key environmental and societal challenges driving NCAS science. Atmospheric boundary-layer science is therefore a high strategic priority for NCAS. This is a unique opportunity to shape the strategic direction of NCAS in this area of research.

This will involve working with research teams across NCAS to deliver on the atmospheric boundary-layer science components of the NCAS science strategy/programme. You will liaise closely with the NCAS Weather Science



Programme Lead to provide/develop leadership in the area of atmospheric boundary-layer science. The role will be based at the NCAS Leeds site, where it will contribute to developing a research group in this area.

Main duties and responsibilities

- Developing, pursuing and maintaining a programme of original research in the area of atmospheric boundary-layer science, aligned with the NCAS science strategy;
- Building and exploiting research links to enhance both individual and NCAS profile, research activities and impact at national and international levels in the area of atmospheric boundary-layer science;
- Conducting original individual research into atmospheric boundary-layer processes using theoretical modelling and analyses of data from state-of-the-science observations or numerical models;
- Developing and sustaining a track record of regular high-quality research publications in independently peer-reviewed journals of an international level, present work at conferences, and lead seminars to disseminate research findings;
- Developing and managing a clear agreed work plan delivering on the atmospheric boundary-layer science components of the NCAS science strategy/programme, organising work, and as appropriate, delegating work to other NCAS staff engaged in NCAS atmospheric boundary-layer science;
- Contributing where appropriate in management, administrative processes and committee structures of NCAS, at site level and across NCAS, and providing representation on external committees and groups;
- Advising and mentoring other NCAS staff members on specialist methodologies or approaches;
- Actively seeking external research income through grant applications on an individual and collaborative basis, to support individual and NCAS research programmes;
- Undertaking where appropriate research student supervision roles and contributing to the training programme for postgraduate and early career researchers provided by NCAS.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.



Qualifications and skills

Essential

- A PhD in a relevant field or closely allied discipline, or the equivalent experience in atmospheric boundary layer science;
- Demonstrable specialist knowledge in the area of atmospheric boundary-layer science;
- Experience of independently developing, and contributing to externally-funded research programmes in the area of atmospheric science;
- Proficiency in the use of systems for observing or modelling the atmosphere, particularly the atmospheric boundary layer;
- Substantial track record of high-quality research publications in independently peer-reviewed journals of an international level within the area of atmospheric boundary-layer science;
- Proactive and positive approach to collaborative work in a diverse environment.

Desirable

- Experience of managing externally-funded research project;
- Commitment to personal continuing professional development, and mentoring others.

Additional information

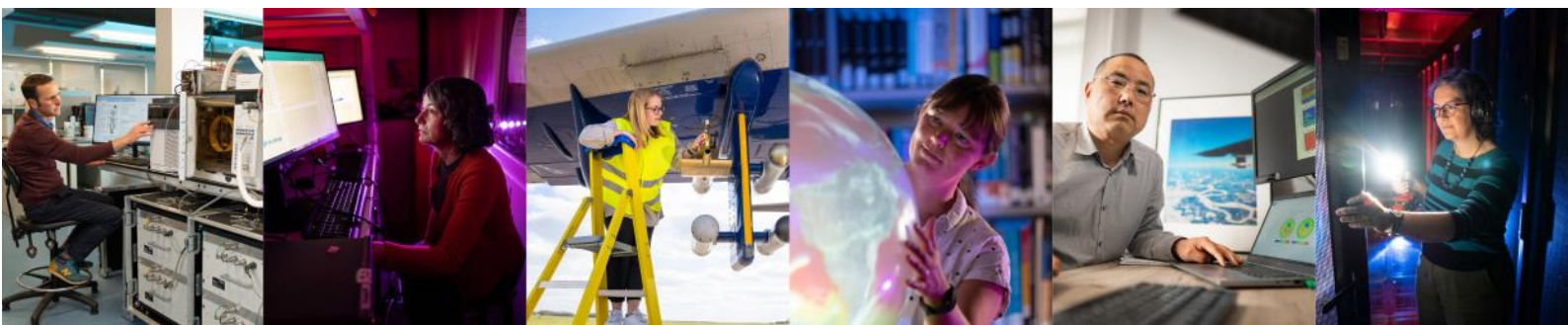
Please note: If you are not a British or Irish citizen, from 1 January 2021 you will require permission to work in the UK. This will normally be in the form of a visa but, if you are an EEA/Swiss citizen and resident in the UK before 31 December 2020, this may be your passport or status under the EU Settlement Scheme.

Please note that this post may be suitable for sponsorship under the Skilled Worker visa route but first-time applicants might need to qualify for salary concessions. For more information please visit: www.gov.uk/skilled-worker-visa

For research and academic posts, we will consider eligibility under the Global Talent visa. For more information please visit: <https://www.gov.uk/global-talent>

Find out more about the [National Centre for Atmospheric Science](#) and [its relationship with the School of Earth and Environment](#)

Find out more about the [School of Earth and Environment](#)



Find out more about the [Faculty of Environment](#)

Find out more about our [Research and associated facilities](#).

Find out more about [Equality](#) in the Faculty.

Working at Leeds

We are a campus-based community and regular interaction with campus is an expectation of all roles in line with academic and service needs and the requirements of the role. We are also open to discussing flexible working arrangements. To find out more about the benefits of working at the University and what it is like to live and work in the Leeds area visit our [Working at Leeds](#) information page.

Our University

As an international research-intensive university, we welcome students and staff from all walks of life and from across the world. We foster an inclusive environment where all can flourish and prosper, and we are proud of our strong commitment to student education. Within the Faculty of Environment, we are dedicated to diversifying our community and we welcome the unique contributions that individuals can bring, and particularly encourage applications from, but not limited to Black, Asian and ethnically diverse people; people who identify as LGBT+; and people with disabilities. Candidates will always be selected based on merit and ability.

We are keen to improve the diversity of our workforce and especially want to hear from candidates including women and those from minoritised communities. Please let us know if you have any accessibility requirements that we can provide support with to enable you to fully participate in the recruitment process.

The Faculty of Environment has received a prestigious Athena SWAN silver award from [Advance HE](#), the national body that promotes equality in the higher education sector. This award represents the combined efforts of all schools in the Faculty and shows the positive actions we have taken to ensure that our policies, processes and ethos all promote an equal and inclusive environment for work and study.

Candidates with disabilities

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at foehr@leeds.ac.uk.



Criminal Record Information

Rehabilitation of Offenders Act 1974

A criminal record check is not required for this position. However, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our [Criminal Records](#) information page.

