

ATR 1369
Lecturer in Climate Science

Further Particulars
School of Environmental Sciences
Faculty of Science

A world-leading University



Founded in 1963, the University of East Anglia (UEA) is an internationally renowned University with a reputation for great teaching, an unrivalled student experience, and research with real impact.

Located in rolling parkland just two miles from the centre of the beautiful cathedral city of Norwich, UEA is at the heart of Norwich Research Park - home to over 1,000 scientists working in several world-leading institutions.

The University is currently enjoying an extraordinary period of growth and success, rising to 14th in the league tables and 10th in the Times Higher REF table for Research Output, cementing its place as one of the UK's very best universities.

Norwich: "A fine city"

Norwich's strong cultural heritage has seen it maintain the best of its historical character whilst becoming one of the most vibrant and attractive cities in Europe. Its medieval centre of cobbled streets remains largely intact, but there is still space for modern buildings like the city's newest centrepiece, the Forum, which overlooks the colourful open-air market (one of the oldest and largest in the country). The city is consistently rated as one of the top ten shopping venues in the UK, and Norwich Lanes was voted Great British High Street of the Year in 2014.

Norwich is also surrounded by beautiful countryside and is within easy reach of the stunning Norfolk coast. A wide variety of visitors come to the region every year to enjoy boating on the Broads, the protected nature and wildlife habitats, as well as seaside towns and beaches.

If there is another city in the United Kingdom with a school of painters named after it, a matchless modern art gallery, a university with a reputation for literary excellence which can boast Booker Prize-winning alumni, one of the grandest Romanesque cathedrals in the world, an extraordinary new state-of-the-art public library then I have yet to hear of it. Norwich is a fine city. None finer.

Stephen Fry



- Top 5 for Student Satisfaction (National Student Survey, 2005-2017)
- UK Top 15 (Times/Sunday Times Good University Guide 2017 and Complete University Guide 2018)
- World top 200 (Times Higher Educational World Rankings 2017)
- Gold (Teaching Excellence Framework 2017)

The University has four Faculties:

- Science
- Arts & Humanities
- Medicine & Health Sciences
- Social Sciences

These incorporate 19 Schools of Study and drive UEA's reputation for top-quality research and teaching

The campus: green, cultured and sporting

The University campus strikes a balance between a countryside and city setting, with more than 320 acres of green parkland studded with award-winning architecture by Sir Denys Lasdun, Lord (Norman) Foster and Rick Mather. UEA champions truly innovative architecture, embodied by the new Enterprise Centre which achieves unprecedented carbon efficiency through pioneering design, and became the UK's greenest commercial building upon its opening. The University Estates team has secured a Green Flag Award for the campus in recognition of the highest possible environmental standards.

The world famous Sainsbury Centre for Visual Arts, also on-campus, contains an extraordinary collection of art, spanning 5000 years and including major works by Picasso, Degas, Bacon, Moore and Giacometti. UEA also hosts an International Literary Festival which has included famous names such as Ian McEwan and Kazuo Ishiguro (both alumni of UEA's Creative Writing course).

Sporting facilities on campus include the University Sportspark which houses an Olympic-sized swimming pool and regularly hosts international sporting events.

All these unique, inspiring buildings are just a few minutes walk away from UEA's equally impressive teaching and research

The University offers a choice of more than 300 courses through four Faculties, and employs around 2,500 staff – two thirds of whom are full time. More than 1,150 of those staff members are academic, including around 500 researchers.

UEA's students are diverse and engaged – of over 14,000 students, 3,200 are postgraduates and over 1,600 come from outside the European Union, representing more than 125 countries worldwide.

Our active Student Union runs over 200 clubs and societies, and works tirelessly to keep our campus ethical and student-focused.



Research

UEA's research output has grown in recent years, in terms of both volume and quality.

In the most recent Research Excellence Framework (2014), we leapt up 12 places - one of the biggest rises in the country - occupying 21st place among mainstream English universities.

We were also ranked **10th in the UK** for Research Output, which demonstrates the extraordinary consistency with which we produce outstanding research, and the breadth of quality across our many Schools.

The truly global scale of our academic work is becoming more apparent, with 82% of UEA's research being classified as either 'world-leading' or 'internationally excellent'. This position is cemented by Times Higher Education's 2015 world rankings, which placed us in the UK top 15 and the world top 80 for research impact.

Many of our individual subjects are among the most highly rated in the country, including Chemistry, Environmental Sciences, American Studies, Social Work, and International Development.



Former UEA Students include:

- Nobel-Prize winning Scientist and former President of the Royal Society, Sir Paul Nurse
- Booker Prize winning authors Ian McEwan and Kazuo Ishiguro
- Explorer Benedict Allen
- Met Office Chief Executive Rob Varley

Further information available at:

www.uea.ac.uk

Norwich Research Park

UEA is at the heart of Norwich Research Park, inspiring a lively research culture that addresses today's major scientific questions.

The six institutions that make up the Norwich Research Park (NRP) share world-leading expertise in biological and environmental science, as well as research students, facilities and projects.

Working together, the partner institutions engage in interdisciplinary research that is uniquely equipped to address the challenges of the 21st century - from plant science to genomics. This profound research environment makes Norwich fourth in the UK for the number of academic citations, behind only London and Oxbridge.

- **John Innes Centre** - an independent, international centre of excellence in plant science and microbiology.
www.jic.ac.uk
- **Institute of Food Research** - a world leader in research into harnessing food for health and preventing food-related diseases.
www.ifr.ac.uk
- **The Sainsbury Laboratory** - has a worldwide reputation for its research in molecular plant pathology and genetics.
www.tsl.ac.uk
- **The Earlham Institute** - is at the forefront of data intensive science in biology and a leader in bioinformatics innovation and the application of genome technology.
www.earlham.ac.uk
- **The Norfolk & Norwich University Hospital**
www.nnuh.nhs.uk

The NRP also hosts a Virtual Laboratory of high-end equipment, shared across the different institutions. The Faculty of Science contributes a significant amount of equipment to this initiative - robotic gliders that plumb the oceanic depths, balloons that go in the opposite direction to sample the Earth's atmosphere, a well-integrated set of high-power spectroscopic devices, sophisticated imaging facilities and a modern fermentation suite are just some of the devices that support our multi-disciplinary research programmes.

Norwich is fourth in the UK for research citations, behind only London, Oxford and Cambridge.

Norwich Research Park offers a unique opportunity for scientists across the park to come together in collaborative research projects and multidisciplinary alliances. These also extend wider than Norwich - from the Centre for Environment, Fisheries & Aquaculture Science (CEFAS) in nearby Lowestoft, to the Tyndall Centre's sister institute in Shanghai.

www.cefas.co.uk

www.tyndall.ac.uk/Partner-Institutions/fudan

Further information is available at:
www.uea.ac.uk/business/ideas/partners



Norwich Research Park brings together six major research facilities to produce truly world-changing research and enterprise.

With an annual research spend over £100m and over 12,000 people based on site, NRP is one of Europe's major centres for scientific research.



The Faculty of Science

The Faculty of Science at UEA conducts quality **interdisciplinary research** that has fostered a deservedly excellent **international reputation**.

The Faculty comprises six Schools of Study, many of which are among the most highly regarded in the UK, and all of which engage in world-leading research and deliver highly rated teaching.

The Schools are based in one contiguous building which helps encourage interdisciplinary collaboration across the Faculty, the University and with our partner Institutes in the Norwich Research Park.

The Schools are:

- School of Biological Sciences
- School of Chemistry
- School of Computing Sciences
- School of Environmental Sciences
- School of Mathematics
- School of Pharmacy

These Schools are also bolstered by degree courses in Actuarial Science, Natural Sciences, Physics, Engineering and Geography.

“We are seeking to recruit talented, ambitious and dynamic individuals to join and contribute to our impressive research environment and to engage with our commitment to undergraduate and postgraduate education”

Prof Philip Gilmartin,
Pro-Vice Chancellor Science

Student Experience

The Faculty of Science is responsive to the needs of our students. We provide an intellectually challenging learning experience within a supportive educational environment.

Recent headlines include:

- 100% of Biological Sciences research environment judged to be world-leading or internationally excellent (REF 2014)
- Computing Sciences in the top 2 for student satisfaction amongst English Mainstream universities in NSS 2015.
- Pharmacy in the top ten in the NSS 2015, Times and Sunday Times Good University Guide 2016 and Complete University Guides 2016
- Launch of new BEng and MEng Engineering programmes.
- Environmental Sciences research ranked 1st in the UK for research impact (REF 2014)

With UEA also achieving overall 4th place in NSS 2017, it's clear that we excel at providing a superb all-round experience for our students, from teaching and support to campus life and facilities.

The Faculty's strong graduate employment rate (77%) is also indicative of the quality education we provide.

Research

In the 2014 Research Excellence Framework national assessment, the Faculty of Science at UEA submitted most of its staff to six units of assessment. Overall, 86% of our outputs, 83% of our research impact, and 96% of our research environment were judged to be internationally excellent or world leading.

All of our Science Schools also performed exceptionally well, with some highlights including:

- Environmental Sciences ranked 1st for impact (THE REF 2014).
- Chemistry ranked 10th overall and 4th for outputs (REF 2014).
- Pharmacy ranked first for outputs (THE REF 2014).

This vibrant academic environment underpins our approach to research-led teaching and our engagement with the broader community from presentations at local schools to the provision of expert advice to the United Nations. We devise new concepts and products with direct benefits for the wider community, on topics as diverse as improved digital photography, detection systems for illicit drugs, or new ways to treat diseases.

Our research strengths are wide-ranging, thanks to the variety of important research groups and centres on campus, including the Climatic Research Unit, Wolfson Materials and Catalyst Centre, Biophysical Chemistry Group and Cancer Studies Group, as well as the major research institutes that make up Norwich Research Park.

Our research is primarily funded by major external contracts with bodies like the NERC, BBSRC, EPSRC and the European Commission.

Further information on the Schools available at:
www.uea.ac.uk/sci



- 3,500 students from 128 countries across the world

- Highly rated in the National Student Survey

- Prestigious alumni and ground-breaking research

- 235 academic staff, 81% working in research

School of Environmental Sciences

The School

Head of School: Professor Kevin Hiscock

The School of Environmental Sciences is one of the largest and longest established academic departments in Europe to focus on the study of the global environment. We have 240 research, teaching and support staff in the fields of geosciences, marine and atmospheric sciences, climate sciences, environmental biology, geography, social sciences and economics. Our success is built on high achievement within these disciplines, coupled with enthusiasm for collaboration between them. We have high ambitions for deepening integration.

The School houses the Climatic Research Unit, one of the most renowned centres for research into past and future climate change, its causes and its impacts. The pioneering Tyndall Centre for Climate Change Research is headquartered at the School. The School also houses the Centre for Ocean and Atmospheric Sciences (COAS), which is at the forefront of scientific research to better understand the vital role that the atmosphere and oceans play in the Earth system.

In the 2014 Research Excellence Framework exercise, 35% of our research was judged to be world leading, while a further 53% was rated as internationally excellent. We are the 3rd placed department in the UK when ranked by the volume of world-leading research achieved and 5th placed in terms of research 'power'. The impacts of our research were judged to be predominately world leading and ranked 1st in the UK, while our research environment was entirely world leading or internationally excellent.



Research

In line with its strong interdisciplinary ethos, the School has no formal sectors or subdivisions by discipline, and research collaborations occur within and between the subjects mentioned above. Some elements of the School are organised into centres, which also have strong collaborations and joint membership across their loose boundaries. The School's research is supported by a range of world-class research facilities including the Roland von Glasow air-sea-ice chamber, the Weybourne Atmospheric Observatory, sea gliders and a sea glider calibration tank, a stable isotope laboratory, the Energy Materials Laboratory, and a Virtual Reality theatre. Computing facilities available to the university research community include a High Performance Computing Cluster with almost 5000 CPU cores and almost 900 GPU cores, Linux support and provision of standardised Linux Desktop OS. The School of Environmental Sciences 2016 Research Highlights report can be found at;

https://www.uea.ac.uk/documents/541248/553919/Research_highlights_2016.pdf

Teaching

The School runs a number of Master's (MSc) degree programmes in Environmental Sciences, Climate Change, Applied Ecology & Conservation, and Environmental Assessment & Management. BSc and 4-year Integrated Masters programmes (MSci) include Environmental Sciences, Geophysics, and Meteorology & Oceanography (all also offered with a year studying abroad or working in industry). Climate Change, Environmental Sciences & International Development (taught jointly with the School of International Development), and both BSc and BA in Geography complete the degrees offered by the School.

Further information is available at:

www.uea.ac.uk/env

The Post

ATR1369

Lecturer in Climate Science

The Post

The University of East Anglia invites applications for a Lectureship in Climate Science in the School of Environmental Sciences. Candidates will have developed strong expertise in an area of climate research and will be excited by the opportunity to develop their research interests in the rich interdisciplinary environment the School offers.

A central focus is the use of models and data to better understand changes in climate, its variability and extremes, and how such changes impact society. We are interested in candidates who will conduct research and make scientific advances that underpin the development of improved climate services in one or more of these fields: climate observations; climate dynamics and modelling; climate predictions, projections and scenarios; dynamics or statistics of extreme weather; quantifying the impacts of climate change; informing the development of mitigation or adaptation policy and climate services.

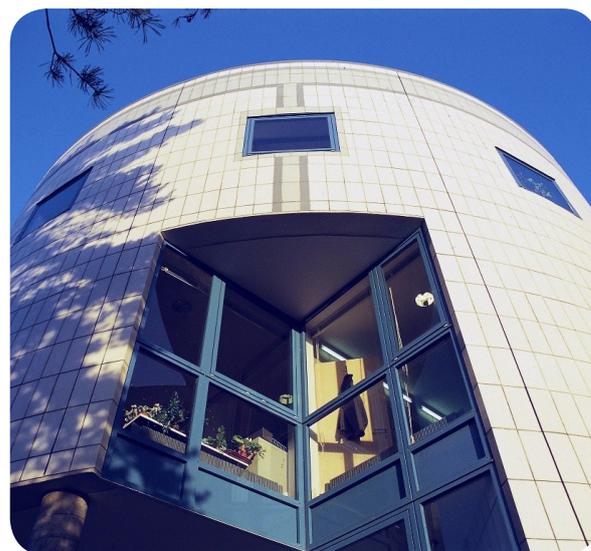
The successful candidate is expected to develop an innovative and internationally recognised research programme, making an important contribution to the Climatic Research Unit within the School of Environmental Sciences. The successful candidate should also demonstrate potential to collaborate more generally with the Tyndall Centre for Climate Change Research, as well as others within the Centre for Ocean and Atmospheric Sciences.

With a keen interest in developing excellent teaching, the post holder will also contribute to advanced level teaching in Climate Change, as well as classroom and practical teaching for the School's BSc programmes in Environmental Sciences, Meteorology & Oceanography, Geography and Climate Change.

You must have a PhD in Climate Science or a closely allied and appropriate subject and fulfil all essential elements of the person specification.

Enterprise and Engagement

For all academic staff at UEA there is an expectation of appropriate contributions to enterprise and engagement. Enterprise and engagement involves academic staff in the use of, or development of, intellectual capital which benefits both the University and non-academic sectors, through community engagement and interactions with other public sector bodies, business and the third sector.



To arrange an informal discussion please contact:

Professor Tim Osborn

Research Director of the Climatic Research Unit

E-mail: t.osborn@uea.ac.uk

Tel: +44 1603 592089

OR

Professor Kevin Hiscock

Head of School

E-mail: k.hiscock@uea.ac.uk

Tel: +44 1603 593104

Person Specification

ATR1369

Lecturer in Climate Science

Education, Experience & Achievements

Essential Criteria

- BSc (or equivalent).
- PhD in climate science or a related area.
- Outstanding research record, as appropriate for career stage.
- Evidence of publications in relevant international scientific journals.
- Either evidence of independent research funding success or clear ideas and plans on where such funding will be sought.

Desirable Criteria

- Postdoctoral research experience.
- Experience in designing and delivering undergraduate teaching in climate science or related areas such as meteorology, oceanography or environmental topics.



Personal Attributes

Essential Criteria

- Enthusiasm for working with students.
- Ability to work in a team as well as independently.
- Ability to contribute to high quality undergraduate and postgraduate teaching in the classroom and field.
- Ability and willingness to contribute to the administration and general life of the School and the University.

Skills & Knowledge

Essential Criteria

- Excellent communication skills in English.
- Excellent presentation skills.
- Excellent organisational and time management skills.
- Knowledge of concepts and research methods in climate sciences.

Desirable Criteria

- Proven ability to research and teach in an interdisciplinary/multidisciplinary framework.
- Knowledge and experience of field methods in environmental science.
- Supervisory skills for both undergraduate and graduate students.

Equality & Diversity

Athena SWAN

The University of East Anglia is proud of the increasing diversity of its campus and works with staff, students and organisations around Norwich, Norfolk, regionally and nationally, to achieve its aim of being an inclusive place for study and work. The University is strongly committed to the Athena SWAN principles and is the proud holder of an institutional Bronze Athena SWAN award. This Award recognises and celebrates good practice in recruiting, retaining and promoting women in science, technology, engineering, mathematics and medicine (STEMM) in higher education.

In May 2015 the charter has expanded to recognise work undertaken in arts, humanities, social sciences, business and law (AHSSBL), and in professional and support roles, and for the trans staff and students. The charter now recognises work undertaken to address gender equality more broadly as well as barriers to progression that affect women.

The School of Environmental Sciences is committed to the principles of the Athena SWAN charter and we have obtained our own School level Bronze Award and recently applied for a Silver Award.

Further information about Equality and Athena SWAN at the University of East Anglia can be found here www.uea.ac.uk/equality/athenaswan



Our School aims to provide the facilities and the working environment that allow all staff and students to contribute fully, to flourish and to excel. Our Athena SWAN Committee is committed to recognising and addressing inequality and to promoting a culture that supports diversity and encourages women's wider participation and representation across the School's portfolio of activities. We recognise the importance of supporting women at all stages of their careers, and we proactively support women in applications for promotion, pay awards, flexible working, training and career development in both research and teaching.

The UEA campus has a range of facilities to promote family-friendly working. We have a fully equipped dedicated baby change and feeding room with hand washing facilities, baby changing station, fridge, microwave, bottle and food warmer, and a medical bed for rest purposes. Baby changing facilities are also available in our campus coffee shop. The campus has a medical centre, a dental practice, and a nursery offering Ofsted-rated 'Outstanding' day care for children from three months until school age in purpose built surroundings with large outside play spaces. We also support a range of flexible working initiatives, designed to promote a healthy work-life balance as well as supporting staff returning from parental leave and career breaks.

Many other aspects of the University contribute to the overall quality of life and work for our staff at UEA. Further details can be found here; www.uea.ac.uk/web/working-life/home

Positive Action Statement

We welcome applicants from all protected groups as defined by the Equality Act 2010 and, in particular, those from Black or other minority ethnic backgrounds.

General Information

Terms and Conditions of Appointment

The candidate to whom an appointment is offered will receive a full statement of the terms and conditions of appointment for Academic, Teaching and Research staff (ATR), but it may be appropriate at this stage to draw your attention to the following:

Duties

The post holder is required to assume such duties and responsibilities appropriate to the appointment as may be assigned to them by the governing bodies of the University or by the Dean of Faculty as appropriate, acting on their behalf. The post holder will participate without further payment in the examination for degrees and diplomas of the University when required to do so.

Residence

The University is strongly committed to providing an excellent student experience and research environment, and it is expected that all staff will be available on campus to carry out their duties during the working week in support of these goals. Absences for significant periods are by agreement with the Head of School.

Relocation expenses

Relocation expenses are reimbursable under certain conditions.

Interview expenses

Reasonable travel and incidental expenses incurred in attending the interview will be reimbursed. (Please ensure that you keep all receipts). Please note that if you are offered a post and decline the offer, travel and incidental expenses will not be reimbursed. Detailed information on the allowances will be provided on the expenses claim form which will be sent to you if you are invited to interview.



Starting Date

The post is available immediately on a full-time indefinite basis.

Salary

Salary will be £41,212 to £47,722 per annum on Academic Grade 3 on the single salary spine (ATR). The normal expectation is that starting salary will be at the minimum of the advertised salary scale.

Annual Leave Entitlement

There is an annual holiday entitlement of six weeks, plus statutory (eight days) and customary (six days) holiday.

Superannuation

The post is superannuable under the Universities Superannuation Scheme.

Occupational Health Assessment

Appointments will be subject to a satisfactory Occupational Health Assessment to be carried out by the University's Occupational Health Service.

Entitlement to Work in the United Kingdom

If you are shortlisted for interview you will be asked to bring to interview original documentary evidence of permission to work in the UK in line with a list of acceptable documents which we will provide to shortlisted candidates when invited for interview. Please DO NOT provide this with your application.

This vacancy is eligible for sponsorship under Tier 2 and, where appropriate, the University will apply for a Certificate of Sponsorship. Non-EEA workers who do not residency status within the UK and will require entry clearance or further leave to remain should familiarise themselves with the Tier 2 (General) Guidance.

This document is available in alternative formats e.g. large print, disc and on-line. If you need this document in an alternative format please contact us on 01603 593034, fax 01603 593522, or e-mail hr@uea.ac.uk

Application Process

Application Process

To apply for this vacancy, please follow the online instructions at: www.uea.ac.uk/hr/vacancies/

Your completed application and CV should be submitted on **Friday 13 October 2017**.

Equal Opportunities Form

Please note that an Equal Opportunities Monitoring Form must be completed and returned with ALL applications, whether submitted by post or by e-mail. If submitted by e-mail, the Equal Opportunities Monitoring Form must be sent as a separate document/attachment to the Application Form.

The Equal Opportunities Monitoring Form will be detached from the received application before short-listing takes place and will not form any part of either the short-listing or decision-making process.

Proof of Qualifications

The person specification for this post lists qualifications that are essential and/or desirable and you may hold some or all of these qualifications. Please note that if you are offered a contract you may be asked to provide original certificates of these educational and professional qualifications. Please DO NOT provide these with your application.

Travel and Incidental Expenses

Reasonable travel and incidental expenses incurred in attending the interview will be reimbursed. (Please ensure that you keep all receipts). Please note that if you are offered a post and decline the offer, travel and incidental expenses will not be reimbursed. Detailed information on the allowances will be provided on the expenses claim form which will be sent to you if you are invited to interview.

Interviews

It is anticipated that presentations and interviews will take place in the School on **Thursday 2 November 2017**. Candidates who have not heard by this time should assume their application has been unsuccessful.

Please note that it is not normal practice to provide feedback to candidates who have not been shortlisted.

Referees

In naming referees in your application, you are requested to give only those who can immediately be approached and one of these must be your current employer, or if not employed your most recent employer.

