

# SIR ANTHONY HABGOOD PROFESSOR OF COASTAL SCIENCE AND CLIMATE CHANGE

TYNDALL CENTRE FOR CLIMATE  
CHANGE RESEARCH

ATR1678

**CANDIDATE BROCHURE**



# WORLD-LEADING CLIMATE CHANGE RESEARCH

The Tyndall Centre for Climate Change Research was founded in 2000 to conduct high quality and integrated climate change research in support of UK and international climate policy. The Tyndall Centre pioneers integrated and interdisciplinary research, contributing both to the theory and practice of sustainable solutions to the challenge of climate change. The Tyndall Centre's expertise encompasses the scientific, engineering, social science and economic communities and has progressed significantly the science of emission reduction, scenarios, impacts, integrated modelling at global and city scale, adaptation and international equity.

Tyndall Centre has a high international and policy profile and engages in the UK and internationally with all levels of government, business, industry and civic society. Tyndall professors have acted as Advisers for the Department for Environment, Food and Rural Affairs (DEFRA), Members of the Climate Change Committee and Adaptation Sub Committee, appeared and contributed to all major Parliamentary inquiries on issues around climate change, and authored all three Working Groups of the 4th, 5th and 6th Assessment reports of the IPCC. The Tyndall [web site](#) and [Twitter/X](#) feed provide information on a range of research output and are widely accessed.

The Tyndall Centre brings together researchers from the social, natural and physical sciences, including engineering, economics, and international development, to develop sustainable responses to climate change. It was one of the first institutes in the world to demonstrate the need for interdisciplinary approaches for research to be truly useful for policy and practice. With a core of around 100 active members ranging from PhD researchers to Professors, the Centre represents a substantial body of the UK's interdisciplinary climate change expertise.

The Tyndall Centre has significantly advanced the analysis of emissions reductions from major energy sectors and economies, the understanding of climate risks and impacts, UK and international adaptation options, the public perceptions of climate change, and the governance of climate negotiations and policymaking.

UEA is the Headquarters of the Tyndall Centre for Climate Change Research. The Centre is an integrated partnership between the UEA and the Universities of Cardiff, Manchester, Newcastle and Southampton, as well as Fudan University in China. It has an international reputation for delivering academically excellent interdisciplinary research in support of theory and practice. All the core partners were highly rated in the UK's last Research Excellence Framework. For an informal discussion about the post please contact Asher Minns (Executive Director) via [a.minns@uea.ac.uk](mailto:a.minns@uea.ac.uk), +44 7880 547843 or Robert Nicholls (Director of the Tyndall Centre and Professor of Climate Adaptation) via [Robert.Nicholls@uea.ac.uk](mailto:Robert.Nicholls@uea.ac.uk).



# SCHOOL OF ENVIRONMENTAL SCIENCES

We're proud to be pioneers and the world's first interdisciplinary environmental sciences department. But what does it mean to be a world-leading institution for environmental sciences? For us, it means a passion and fascination for our surroundings, and providing a thriving collegiate environment to solve global grand challenges to the natural world and society. We focus on research that matters and influence policy at the highest levels on climate change, atmospheric and ocean science, natural resource management, and biodiversity conservation. It means being open to learning. Today's problems require inventive solutions, so we enthuse students to explore psychological, policy-relevant and scientific approaches, enabling them to become adaptable, inventive and collaborative.

It also means always striving to be better. We were recently awarded the Queen's Anniversary Prize for Higher and Further Education, marking 50 years of research and discovery. We're dedicated to welcoming and inspiring new generations of diverse, committed, confident scientists and problem-solvers.

We are internationally recognised for our holistic and interdisciplinary approach to research, integrating physical, chemical, biological and social sciences to understand the Earth, its life and its people and the interactions between them. We undertake solution-orientated research aimed at solving global grand challenges to the natural world and society and securing a sustainable future for our world. We are part of the Norwich Research Park, one of the largest single-site concentrations of research in food, genomics, and health in Europe.

In the most recent Research Excellent Framework (REF) exercise: our research environment was assessed to be 88% world leading and 12% internationally excellent, while the impact of our research was assessed to be 84% world leading. Overall, we were ranked 4th by Grade Point Average and 2nd by the amount of our research that is world-leading in the Earth Systems and Environmental Sciences unit.

Research in the School addresses four overarching themes: Atmosphere, Ocean and Climate Sciences; Environmental Biology; Environmental Social Sciences; and Geosciences. We host international centres of research excellence spanning these themes as well as state-of-the-art research facilities. Our research centres include the Climatic Research Unit, Centre for Ocean and Atmospheric Sciences, the Science, Society and Sustainability (3S) Research Group, the Centre for Social and Economic Research on the Global Environment, and a strong relationship to the Tyndall Centre for Climate Change Research. The school has world class facilities including the Roland Von Glasow Air-Sea-Ice Chamber, a fleet of sea gliders and a sea glider calibration tank,

the Weybourne Atmospheric Observatory, the Stable Isotope Laboratory and a range of geophysical equipment. In addition, the Science Faculty Instrument Platforms provide state-of-the-art major and trace element capability with ICP-OES and ICP-MS instruments, powder and single crystal XRD, optical, SEM and TEM imaging and a rock cutting and thin section workshop.

Computing facilities include: a High Performance Computing Cluster with Linux support and provision of standardised Linux Desktop OS.



# THE ROLE

The “Sir Anthony Habgood Professor of Coastal Science and Climate Change” has been created by a philanthropic donation to create a Professor (Chair) in Coastal Science and Climate Change in the Tyndall Centre for Climate Change Research (TYN) and School of Environmental Sciences (ENV) to enhance the level of coastal research at UEA and create a new UEA Coastal Change Centre. Innovation and the creation of new approaches is key such as understanding the role of nature-based solutions.

This recognises that the coasts of East Anglia, the UK and globally are changing due to climate change and sea-level rise and this is a long-term issue with no easy solutions. This is challenging and threatening human activities and changing the coastal environment in ways that are not fully appreciated. Understanding these risks and their management requires a broad perspective that integrates knowledge across natural and social sciences, and engineering, including understanding governance and requiring stakeholder engagement.

The successful candidate will be a leading academic with strong interests in these issues and a commitment to building a thriving coastal research group and coastal centre at UEA. This includes a strong ability to work with internal and external stakeholders to collectively address these issues in societally useful ways. The position will be guided by the proposal between the University of East Anglia and the benefactor which includes the organisation of a series of coastal conferences.

The role holder will provide academic leadership, undertake research in the topic of Coastal Science and Climate Change and will be capable of engaging fully with the strategic development of this topic across the Tyndall Centre and School of Environmental Sciences, as well as more widely across the University, and with partners such as CEFAS. The post is primarily to undertake and guarantee high quality research on coastal systems, provide research

leadership including collaborative bids and their management, and produce publications and impact to better inform understanding of coastal risks and adaptation including the threats of climate change and sea-level rise. The role is fundamentally research focussed with project management and organisational skills required to support the research, including the organisation of annual coastal conferences.

UEA is a UK Top 25 university with a diverse and international community of students and staff. It offers research-led teaching in a range of subjects across the Sciences, Arts and Humanities, Social Sciences, and Medicine and Health Sciences. The School of Environmental Sciences (ENV) has a 50+ year history in multidisciplinary Environmental Science and exceptional credentials in climate research. In REF2021, over half of ENV’s research outputs were considered world leading (55%) and most (94%) were world leading/internationally excellent. ENV is in the top 10 percent of departments in Earth Systems and Environmental Sciences in the UK.

The Tyndall Centre for Climate Change (TYN) Research was established in 2000 to assess the solutions to climate change. It is a multi-institutional centre, headquartered at UEA, with partners at Cardiff, Manchester, Newcastle and Southampton. Its research focusses on adaptation/resilience, mitigation, well-being and social transformation. Collectively, TYN/ENV have a long history of coastal research including natural systems (beaches, tidal flats, saltmarshes, etc.), coastal management and governance, stakeholder engagement and valuation, and their integration to solve real-world problems such as the Tyndall Coastal Simulator, the Fens Climate Change Risk Assessment and the Coastwise Coastal Transitions Accelerator Programme in North Norfolk.

# THE PERSON

## EDUCATION & TRAINING

1. A PhD (or equivalent) in a relevant subject area, and appropriate prior degrees. (E)

## EXPERIENCE

1. A high level of research expertise and a well-established international reputation in a field that complements and/or consolidates the existing research profile of TYN/ENV. (E)
2. Successful engagement with PhD students, including training, mentoring and student completion of PhD. (E)
3. Experience of producing research with impact beyond academia. (E)
4. A track record of securing substantial research funding. (E)
5. An exceptionally strong profile with sustained quality of externally peer reviewed research outputs as appropriate to the discipline, including those based on collaborations where appropriate. (E)
6. An excellent teacher, with experience of BA/BSc and MA/MSc teaching, including coursework, examinations and dissertations and innovation in teaching. (E)

## SKILLS & KNOWLEDGE

1. An understanding of the Research Excellence Framework and how to excel in such assessments. (E)
2. Strong verbal and written communication skills, with the ability to communicate complex information clearly. (E)
3. Excellent interpersonal skills; ability to quickly establish and maintain good working relationships at all levels. (E)
4. Excellent presentation and teaching skills. (E)
5. Excellent organisational skills; ability to plan and manage own workload, meeting deadlines. (E)
6. Demonstrable administrative and prioritisation skills with the ability to manage a varied workload in a high paced environment. (E)
7. Ability to motivate colleagues. (E)

**Essential Requirements (E)** are those, without which, a candidate would not be able to do the job.

**Desirable Requirements (D)** are those which would be useful for the post holder to possess and will be considered when more than one applicant meets the essential requirements.

# FURTHER INFORMATION

This full-time post is available on an indefinite basis.

Starting salary from £66,857 per annum.

Relocation expenses are reimbursable under certain conditions.

**Place of Work** - The University is supporting a hybrid-working pilot of at home and on campus 'hybrid' working for many roles. We encourage discussions about how your working arrangements can be agreed to best balance the needs of the role and your personal circumstances.

The flexibility of the hybrid-working model allows the possibility of some remote working, but it is the expectation that all appointments will be UK based, with any overseas working agreed in advance by exception only. The normal expectation is that staff work on campus three days per week when not on university travel.

If successful you will be asked to show evidence of right to work in the UK prior to any formal offer being made. Non-British and non-Irish nationals entering the UK to undertake employment or who are currently in the UK will have to meet eligibility criteria under the points-based immigration system. The University may be able to provide sponsorship under the Skilled Worker route if relevant criteria are met. Please note, due to the complexities of the immigration system, Skilled Worker visa sponsorship is not guaranteed for every role. If you would like further information about whether this role is eligible for visa sponsorship, please contact [staff.visacompliance@uea.ac.uk](mailto:staff.visacompliance@uea.ac.uk)

The post is superannuable under the Universities Superannuation Scheme and there is an annual holiday entitlement of 30 days plus statutory (8 days) and customary (6 days) holidays. The University is committed to creating an environment where the health, welfare and safety of all students and staff is of paramount importance. The University's Safeguarding Policy addresses both child protection and safeguarding children, young people and vulnerable adults within the work of the University. Appointment will be subject to satisfactory pre-employment checks, which may include an Occupational Health assessment.

Information on the benefits of working at UEA can be found at <https://www.uea.ac.uk/about/working-at-uea>.

If you require the information contained within this candidate brochure in a different format please email [staff.recruitment@uea.ac.uk](mailto:staff.recruitment@uea.ac.uk)

## HOW TO APPLY

To apply for this vacancy, please follow the online instructions at: <https://vacancies.uea.ac.uk>

The closing date for this role is 11:59pm on **27 October 2024**.

Please note that the application form contains an Equal Opportunities section which must be completed. The Equal Opportunities information will not be made available to the selection panel and will not form any part of either the short-listing or decision making process.

It is anticipated that presentations and interviews will take place the week commencing **25 November 2024** and if you have not heard by this date please assume you have not been shortlisted on this occasion.

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.





Photograph by Martin Nott



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