



Rialtas na hÉireann
Government of Ireland

Candidate Information Booklet

Postdoctoral Researcher RazorEge: Regional Ocean Zooms, Enhancements and Hybrid Methods for Climate Extremes and Impacts (Fixed term Contract).

Location: Met Éireann HQ, Glasnevin Hill, Dublin 9

Department: Department of Housing, Local Government & Heritage

Closing Date: Friday 30th October 2026

PostDoc.Recruitment@met.ie

www.met.ie

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1. ABOUT THE CIVIL SERVICE

The Civil Service is at the heart of Irish society. Everything we do impacts our country and our people. We are a robust and trusted institution, which has served the people of Ireland since the foundation of the State. Civil servants and Civil Service organisations play a crucial role in providing and supporting the delivery of necessary front-line services to help meet the needs of our people and implement government policy. Our experience dealing with national and international issues has shown the tremendous commitment, resilience and ability of the Civil Service to respond with innovation and determination to any challenge.

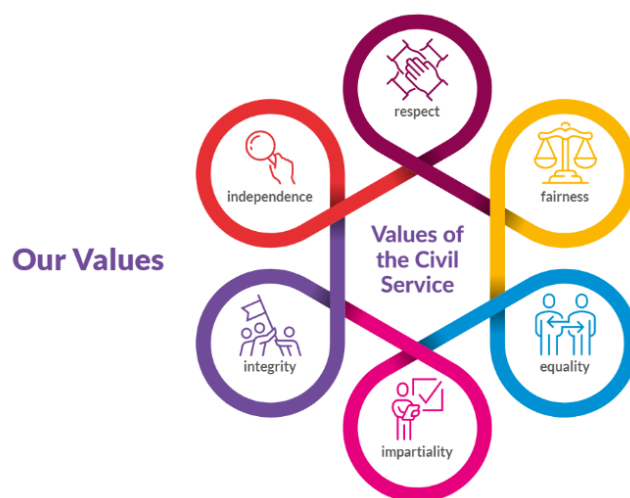


Climate change and sustainability, geopolitical and demographic changes, housing and healthcare add complexity to the environment in which the Civil Service operates. We therefore need agile and resilient staff to support the Government in managing the breadth of complex issues and in preparing for the future.

While the challenges which face the Civil Service today are different to those faced at the foundation of the State, our core values remain the same.

The Irish Civil Service employs people in over 40 Government Departments and Offices with a diverse set of responsibilities. We support the Government by developing policy options and legislation to address major national issues, co-ordinating the broader public service, helping to manage the economy and delivering services to the public.

[Civil Service Renewal 2030](#) is an ambitious 10-year strategy of reform for the Civil Service. Aligned to it, [Better Public Services](#), the Public Service Transformation Strategy, aims to deliver for the public and build trust. The Civil Service Renewal Strategy deliver a diverse and high performing Civil Service that is more inclusive, engaged and agile. By implementing these plans and demonstrating an enduring commitment to public service values, the Civil Service can create a more diverse yet unified, professional, responsive, open and accountable organisation that inspires confidence in Ireland and internationally.



The Civil Service can offer suitable candidates a very satisfying and varied career, with competitive terms and conditions. All civil service employers are committed to championing an inclusive and diverse workforce that reflects modern Ireland and the people we serve. We strive to create a culture where all staff have equal access to opportunity and feel comfortable and empowered to be themselves at work.

2. ABOUT THE DEPARTMENT

Met Éireann, Ireland's National Meteorological Service, is tasked with the provision of a wide range of services related to weather, climate, and flooding to help protect life and property and promote societal and economic wellbeing. It provides services to a broad range of sectors including air and land transport, marine and agriculture. It also plays a key role in the State's emergency planning and management functions through its production and communication of warnings related to weather hazards.

Met Éireann's mission as highlighted in our Strategic Plan 2024 - 2034 "Ready for change - preparing Ireland for changing weather and climate" is to provide Irish society and decision-makers with world-class weather, climate, and flood services to protect life and property, and to promote wider societal and economic well-being.

Met Éireann has a current staffing level of more than 260 employees across nine divisions. The majority of staff are based at Met Éireann's headquarters at Glasnevin, Dublin, and a number of staff are based at airport locations across the country and at Met Éireann's Valentia Observatory in Cahersiveen, Co. Kerry.

Met Éireann, Ireland's National Meteorological Service, is seeking a highly motivated and talented postdoctoral researcher to join our Research Applications Division (RAD) and contribute to the EU Horizon Europe project RazorEge (Regional Ocean Zooms, Enhancements and Hybrid Methods for Climate Extremes and Impacts at Global and Local Scales).

3. ABOUT THE ROLE

This position offers a unique opportunity to work at the frontier of Earth System Model development, within a prestigious international climate research consortia. RazorEge is a four-year EU Horizon Research and Innovation Action (RIA) coordinated by the UK Met Office and involving leading climate modelling institutions across Europe, South Africa, South Korea, China and Taiwan.

There is a clear and urgent need for robust estimates of the range of possible future regional changes in weather and climate. Reliable regional climate information underpins national adaptation and mitigation policy, flood risk assessment, marine sector planning, and Ireland's preparedness for a changing climate. Providing this information demands Earth System Models (ESMs) capable of representing the regional drivers of climate variability and extremes and their feedback on the global system while remaining computationally affordable for the multi-centennial, multi-member ensemble simulations required for IPCC assessments.

Current ESMs, however, exhibit persistent biases that systematically reduce the reliability of regional climate projections, particularly for Europe. Key challenges include:

- Inaccurate simulation of major ocean boundary currents (Gulf Stream, Kuroshio, Agulhas), which drives systematic biases in European climate, storm tracks and precipitation patterns.
- Long-standing errors in the representation of deep water overflows from the Nordic and Mediterranean Seas, causing large uncertainties in the strength and future trajectory of the Atlantic Meridional Overturning Circulation (AMOC), a circulation system of profound importance to Ireland's climate.
- Underestimation of Southern Ocean carbon and heat uptake, with significant implications for global warming projections.
- Misrepresentation of sea-ice dynamics in the marginal ice zone, which propagates into North Atlantic circulation and European winter climate errors.
- Biased simulation of El Niño–Southern Oscillation (ENSO) and its teleconnections, reducing skill in predicting regional extremes.

RazorEge addresses these challenges through targeted, computationally efficient improvements: two-way regional ocean nesting using AGRIF (Adaptive Grid Refinement In Fortran), localised Multi-Envelope (ME) vertical coordinates, new physics parameterisations, and supermodelling approaches. The goal is to achieve major improvements in model fidelity with only modest increases in computational cost, producing a next generation of ESMs capable of delivering robust regional climate predictions.

The successful candidate will contribute to Met Éireann's contracted obligations within the EU Horizon RazorEge consortium across four work packages over the project.

The core scientific work involves: contributing to consortium-wide analysis of links between regional climate biases and ocean-sea-ice model biases (WP1); developing and implementing regionally enhanced coupling capability through AGRIF zoom nesting coupled to the atmospheric component in EC-Earth (WP6, Task 6.3); evaluating the role of improved coupling and resolution in representing European climate extremes including storms, marine heatwaves and extreme precipitation (WP6, Task 6.4); implementing ocean-sea-ice bias diagnostics into open-source community assessment packages (WP6, Task 6.1); conducting CMIP7 HighResMIP coupled climate simulations with the improved EC-Earth configuration and contributing these to the long-term FAIR archive (WP5, Task 5.1); participating in consortium-wide multi-model intercomparison and robustness assessment with the partner institutions (WP5, Task 5.3); and contributing to General Assembly meetings, open-access publications, and project dissemination throughout (WP7).

The successful candidate will also contribute to the broader implementation and testing of the improved GOSI ocean-sea-ice configuration within EC-Earth, working in close collaboration within Met Éireann's Climate Modelling group.

4. LOCATION

The successful candidate will be based at Met Éireann Headquarters located at Glasnevin Hill, Dublin 9. Where possible, the successful candidate may be authorised to partly work remotely, in line with government approved policies for workplace attendance. Occasional travel may be necessary to carry out the duties associated with the post, especially in the beginning of the project.

This panel will expire on Monday, 30th October 2028.

5. WHO WE ARE LOOKING FOR

The person we are looking for will meet the following **essential** requirements by date of appointment.

List of entry requirements for this post:

ESSENTIAL for the job

1. A PhD in ocean science, climate science, physical oceanography, or a closely related discipline
2. Demonstrable experience in ocean or Earth System Model development and/or evaluation.
3. Experience in the analysis and evaluation of large volumes of climate model output.
4. Strong programming skills (e.g. Python, Fortran, bash scripting) and familiarity with HPC environments
5. Experience in managing and contributing to research projects.
6. Effective oral and written communication skills.

b) DESIRABLE (but not essential) for the job

1. A proven track record in peer-reviewed publications in ocean or climate science.
2. Experience with the NEMO ocean model or other structured-grid ocean models.
3. Familiarity with AGRIF nesting, multi-envelope vertical coordinates, or coupled atmosphere-ocean modelling
4. Experience with CMIP protocols, ESM evaluation frameworks, or open-source model assessment packages.
5. Knowledge of North Atlantic or European regional climate dynamics.
6. Experience communicating climate science to non-specialist audiences.

*Applicants who are close to completion or awaiting viva voce will also be considered.

6. WHAT WE OFFER

- A temporary fixed term contract position in the civil service for a period of 2 years subject to a 6 - month probationary period. An extension of up to 2 further years is possible, dependent on a successful review.
- **Pay:** The current gross rate for this position is on appointment €55,949 per annum, after 1 year €59,567 per annum.
- **Annual Leave:** 25 days
- **Hours of Attendance:** 41 hours and 15 minutes gross per week

Individuals who are new to the Civil Service are required to pay into the Personal Pension Contribution scheme.

Important Note

Entry will be at the minimum of the pay scale, and the rate of remuneration will not be subject to negotiation and may be adjusted from time to time in line with Government pay policy.

Different terms and conditions may apply if you are a currently serving civil or public servant.

The above represents the principal conditions of service and is not intended to be the comprehensive list of all terms and conditions of employment which will be set out in the employment contract to be agreed with the successful candidate

All offers are for immediate appointment.

In applying for this competition, you accept that, if offered a post, you will be able to commence duties within a reasonable timeframe. Start dates are determined by business needs, and appointees will be expected to take up duty within this period once an offer is made. Requests for deferral will only be considered in exceptional circumstances and remain entirely at the discretion of the Department.

7. THINGS YOU NEED TO KNOW

7.1 Eligibility

To be eligible, you will need to meet **certain requirements** by the date of the position offer:

You must be:

- (a) A citizen of the European Economic Area (EEA). The EEA consists of the Member States of the European Union, Iceland, Liechtenstein and Norway; **or**
- (b) A citizen of the United Kingdom (UK); **or**
- (c) a citizen of Switzerland pursuant to the agreement between the EU and Switzerland on the free movement of persons; **or**

(d) A non-EEA citizen who has a Stamp 4* or a Stamp 5 permission.

** Please note that a 50 TEU visa, which is a replacement for Stamp 4EUFAM after Brexit, is acceptable as a Stamp 4 equivalent.*

Non-EEA applicants are welcome under the “Fast Track Work Permit for Non-EU R&D (Hosting Agreement) Scheme”. See for [here](#) more information. Should this scheme and its conditions apply, a Hosting Agreement can be put in place between the applicant and the employer. Non-EEA applicants are responsible for ensuring they can secure a visa to travel to Ireland, if applicable.

It is important that you list any previous civil or public service employment, if you have availed of a voluntary redundancy or retirement scheme and/or are in receipt of an ill-health retirement pension. Failure to do so could lead to disciplinary action.

PLEASE NOTE

Qualifications/eligibility may not be verified until the final stage of the process. Therefore, those candidates who have not met the specified eligibility requirements and proceed with their application are putting themselves through unnecessary effort/expense and will not be offered a position from this campaign. An invitation to interview or any element of the selection process is not acceptance of eligibility.

7.2 Selection Process

7.2.1 How to Apply

Applicants should submit a completed application form to PostDoc.Recruitment@met.ie.

The Application Form allows applicants to detail their qualifications, skills and experience and provide a personal statement outlining why they should be considered for the post and how they meet the essential requirements and personal attributes of the post

Please note: Only applications submitted on the official application form will be considered. The application form is available on Met Éireann’s website www.met.ie/about-us/vacancies

Closing Date

The closing date for receipt of applications is **5pm, Friday 30th October 2026**

All applications will be acknowledged. If you do not receive an acknowledgement within 3 days of applying, please email PostDoc.Recruitment@met.ie.

Essential Requirements and Personal Attributes

Candidates will possess all the essential requirements and personal attributes required for the position. They will be requested to demonstrate this both in the application form and, if shortlisted, by interview.

Health

Candidates must be in a state of health such as would indicate a reasonable prospect of ability to render regular and efficient service

7.2.2 Selection Process

The selection process may include the shortlisting of candidates on the basis of the application form and will include an interview

Shortlisting

Where the number of applications received for a position exceeds that required to fill existing and future vacancies to the position the interview board may shortlist the applications based on the criteria in the competition booklet and the application forms before proceeding to the semi-structured interview stage.

While you may meet the eligibility requirements of the competition, if the numbers applying for the position are such that it would not be practical to interview everyone, the Department may decide that a number only will be called to interview. In this respect, the Department will provide for the employment of a short-listing process to select a group for interview who, based on an examination of the application forms, appear to be the most suitable for the position. This is not to suggest that other candidates are necessarily unsuitable, or incapable of undertaking the job, rather that there are some candidates who are, on the basis of the information provided, better qualified and/or have more relevant experience.

During any short-listing exercise that may be employed, the Department will be guided by an expert board, which will examine the application forms and assess them against pre-determined criteria based on the requirements of the position. It is therefore in your own interests to provide a detailed and accurate account on the application form of your qualifications/skills/experience. The completion of the form within the space provided is also an important indicator of good communication skills.

Interview

Candidates who are shortlisted will be called for interview by an expert panel. The interview will focus how the candidate meets the essential requirements and personal attributes of the post and their career and experience to date.

Note: Candidates will be notified of interview dates and arrangements at the earliest opportunity. The onus will be on candidates to make themselves available for interview as advised.

Deeming of candidature to be withdrawn

Candidates who do not attend for interview as required or who do not, when requested, furnish such evidence, as the Department requires in regard to any matter relevant to their candidature, will have no further claim to consideration.

Candidate Feedback

Feedback will be provided on written request.

Candidates should note canvassing will disqualify.

7.2.3 Right to Review

Requests for a review are dealt with in accordance with the codes of practice published by the published by the Commission for Public Service Appointments. The Codes can be accessed at www.cpsa-online.ie.

7.3 Working for the Civil Service

The [Civil Service Code of Standards and Behaviour](#) sets out the standards of behaviour expected of Civil Servants. If successful in this competition you must behave according to the code's principles and live by its values.

The Civil Service embraces diversity and is an equal-opportunities employer. We are committed to championing an inclusive and diverse workforce that reflects modern Ireland and the people we serve. We strive to create a culture where all staff have equal access to opportunities and feel comfortable being themselves.

Departments/Offices will run this competition in compliance with the [Code of Practice for Appointment to Positions in the Civil Service and Public Service](#), prepared by the Commission for Public Service Appointments (CPSA).

7.4 Data Protection Policy

Data Protection Policy¹

Please note that all personal data shall be treated as confidential in accordance with the Data Protection Acts, 1988 and 2003.

¹ public jobs Data Protection Policy