



Maynooth University Ollscoil Mhá Nuad

Details of the Award

The ICARUS Climate Research Centre is pleased to announce that a PhD Scholarship will be available for one student intending to commence PhD studies in September 2025.

The PhD project is part of an Environmental Protection Agency (EPA) funded project from 2025-2029 looking at event attribution for the island of Ireland. The studentship will be concerned with the application of established event attribution techniques arising from the world weather attribution group retrospectively to selected historical Irish climatic extremes from the past decade. The studentship will be expected to lead to a catalogue of retrospective analyses building a comprehensive understanding of how human-induced climate change has already altered the chances of recently experienced extremes. The student will work with Prof. Peter Thorne, a senior PDRA (to be appointed), colleagues across ICARUS and with the WWA group in Imperial College London. Regular short duration fully-funded trips to London will be expected to ensure sustained collaboration. The student will have the opportunity to contribute to broader aims including near real-time Irish and global analyses (the latter under WWA auspices), community engagement, and communications and outreach.

Value of Scholarship

The scholarship value is €25,000 per year and includes all fees over 4 years duration.

Duration

The scholarship will be awarded for 4 years of study, subject to satisfactory annual review of progress in research. The estimated start date is September 2025.

Role of the student

The student will lead the analysis of recent events to retrospectively ascertain the likely role of human-induced climate change. They will be expected to review extremes of the past decade across the island of Ireland, select a representative sample of these and lead their retrospective analysis using established techniques from the WWA group.

Eligibility Criteria for Applicants

Full time research degree students who have a relevant first class or 2.1 honours in their primary degree, or have a relevant Master's degree, are eligible to apply. Relevant subjects may include

but are not limited to: meteorology and climate, environmental science, statistics and geography.

Essential criteria:

- Experience with computer programming
- Experience with handling large datasets
- Team working skills

Desirable criteria:

- Prior experience with climate datasets
- Knowledge of midlatitude region meteorology
- Prior experience with media

Application and Selection Process

Applicants are required to submit the following to by the closing date:

- Personal statement (max. 2 pages)
- Curriculum Vitae
- Research proposal (max. 1,000 words)
- Relevant academic final transcripts

All eligible candidates will be considered. Applicants may be shortlisted for interview and, if so, will be contacted directly by the Department.

Applications should be submitted directly to the project lead at peter.thorne@mu.ie.

Closing Date

28 February 2025 at 23.59 GMT.

Further details available

Informal enquiries should be sent to peter.thorne@mu.ie

This project is funded by the Environmental Protection Agency.



HR EXCELLENCE IN RESEARCH