



## Post Specification

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| <b>Post Title:</b>                           | PhD Studentship: Sustainable Housing & Climate Change  |
| <b>Post Status:</b>                          | Full-time  |
| <b>Research Group / Department / School:</b> | ASHA Research Project, School of Natural Sciences, Geography, Trinity College Dublin, the University of Dublin |
| <b>Location:</b>                             | Museum Building,<br>Trinity College Dublin, the University of Dublin<br>College Green, Dublin 2, Ireland       |
| <b>Reports to:</b>                           | Professor Anna Davies, Principal Investigator  |
| <b>Terms &amp; Conditions:</b>               | Full EU Fees and PhD Stipend   |
| <b>Hours of Work:</b>                        | Full time  |
| <b>Closing Date:</b>                         | 12 Noon (GMT), 07 June 2024  |

**NOTE: Applicants must have been resident in an EU member state for 3 out of the last 5 years to be eligible for EU fees**

### Post Summary

#### **PhD: Sustainable housing and climate change adaptation in Dublin**

We are currently seeking applicants for Project 3 of ASHA (Achieving Sustainable Housing Affordably): Sustainable housing and climate change adaptation in Dublin. The number of homes at risk from flooding in Dublin is set to increase with climate change, with homeowners in various locations already struggling to get household insurance. For a just transition to a decarbonized future these risks must be managed through inclusive adaptation strategies, robust land-use planning for resilient housing development, and appropriate legal regulation.

Aiming to support a just transition to sustainable housing in Dublin under conditions of climate change, this PhD has a phased approach. First, it will map the extent of housing flood risk in Dublin now, and in relation to current predictions for flood risk in 2050. Second, and in light of these findings, it will evaluate the robustness of current adaptation plans to meet these risks and the

legal responses in relation to housing policy and practice, in particular identifying the levels of citizen engagement in the development and implementation of these. Using data gathered in Phase 1 and 2 to identify key challenges for sustainable affordable housing in Dublin, the third phase of the PhD project will engage communities, climate scientists, legal specialists, geographers, hydrologists, planners, housing specialists, and other relevant stakeholders in a futuring exercise, such as participatory backcasting, to establish visions, pathways and action plans to increase the adaptive capacity of housing in Dublin and the capabilities of participants. The successful candidate will work collaboratively with the other ASHA PhD students and the ASHA supervisors, co-authoring academic papers, reports, blogs, digital video shorts and other communication and dissemination activities alongside their PhD thesis.

This project has the following core components:

- Establishing current scientific understanding of risks to housing from climate change;
- Analysing existing housing and climate change adaptation policies in Ireland and internationally to establish current practice in the field and good practice guidelines;
- Consolidating existing information around flood risk to housing in Dublin, identifying and classifying categories of risk within different districts of the city and current strategies to address them;
- Undertaking a futuring exercise to establish just transition pathways to sustainable housing under conditions of climate change.

#### *Qualifications*

A high 2.1 or 1<sup>st</sup> class degree at undergraduate level in geography, planning, law, sustainability science or an affiliated area is essential; a relevant Masters degree is desirable.

#### *Knowledge, skills and experience*

The successful candidate will have:

- Experience of collecting and analysing qualitative and quantitative data
- A background in geography, planning, law, sustainability science and affiliated areas at undergraduate and/or Masters level
- Knowledge of relevant climate change challenges for Dublin (e.g. coastal, pluvial and fluvial flooding, sea level rise and extreme weather events)
- Knowledge of planning and housing policy in a European context
- Experience of conducting and analysing empirical research as evidenced through a dissertation or Masters thesis
- Excellent written and oral communication and interpersonal skills
- Ability to work well independently and collectively as part of the ASHA project team

#### **Application procedure**

Applicants should submit in **one document**: a cover letter setting out your motivation for applying for the role and how your skills meet the requirements set out in this document AND a full Curriculum Vitae to include the names and contact details of 2 referees (including email addresses), by **Friday June 7<sup>th</sup> Noon (GMT)** to:-

Professor Anna Davies Email: [daviesa@tcd.ie](mailto:daviesa@tcd.ie)

## Further Information for Applicants

### *Background: The ASHA project*

Affordable housing is crucial to achieving sustainability goals and acts as a fulcrum between the social floor and the ecological ceiling (Raworth, 2017). However, achieving complementarity between housing and sustainability is a serious national and global concern particularly under conditions of climate change. How do we develop and maintain housing stock that is both sustainable and affordable, across new and existing housing developments, and in the day-to-day use of housing while meeting this global challenge? The Achieving Sustainable Housing Affordably (ASHA) project will answer this question through four PhD topics by pioneering an innovative interdisciplinary approach that develops sustainable design solutions while recognising and responding to questions of power, equity, politics, and agency central to housing. ASHA seeks to achieve sustainable housing without exacerbating inequalities driven by housing affordability pressures. Bringing together social science and applied science approaches, and using skills from engineering, law and geography, ASHA will develop affordable techniques for sustainability in existing and new housing stock, and in housing usage.

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| URL Link to Area            | <a href="http://www.tcd.ie">www.tcd.ie</a>                  |
| URL Link to Human Resources | <a href="https://www.tcd.ie/hr/">https://www.tcd.ie/hr/</a> |

## **Trinity College Dublin, the University of Dublin**

Trinity is Ireland's leading university and is ranked 98th in the world (QS World University Rankings 2023). Founded in 1592, the University is steeped in history with a reputation for excellence in education, research and innovation.

Located on an iconic campus in the heart of Dublin's city centre, Trinity has 18,000 undergraduate and postgraduate students across our three faculties – Arts, Humanities, and Social Sciences; Engineering, Mathematics and Science; and Health Sciences.

Trinity is ranked as the 12th most international university in the world (Times Higher Education Rankings 2020) and is also the highest ranked university in Ireland.

The pursuit of excellence through research and scholarship is at the heart of a Trinity education, and our researchers have an outstanding publication record and strong record of grant success. Trinity has developed 19 broad-based multidisciplinary research themes that cut across disciplines and facilitate world-leading research and collaboration within the University and with colleagues around the world. Trinity is also home to 5 leading flagship research institutes:

- Trinity Biomedical Sciences Institute (TBSI)
- Trinity College Institute of Neuroscience (TCIN)
- Trinity Translational Medical Institute (TTMI)
- Trinity Long Room Hub Arts and Humanities Research Institute (TLRH)
- Centre for Research on Adaptive Nanostructures and Nanodevices (CRANN)

Trinity is 1st in Europe for Producing Entrepreneurs for the 7th year in a row and Europe's only representative in the world's top-50 universities (Pitchbook University Report 2021-2022).

Trinity is home to the famous Old Library and to the historic Book of Kells as well as other internationally significant holdings in manuscripts, maps and early printed material. The

Trinity Library is a legal deposit library, granting the University the right to claim a copy of every book published in Ireland and the UK. At present, the Library's holdings span approximately 6.5 million printed items, 400,000 e-books and 150,000 e-journals. With over 120,000 alumni, Trinity's tradition of independent intellectual inquiry has produced some of the world's finest, most original minds including the writers Oscar Wilde and Samuel Beckett (Nobel laureates), the mathematician William Rowan Hamilton and the physicist Ernest Walton (Nobel laureate), the political thinker Edmund Burke, and the former President of Ireland Mary Robinson. This tradition finds expression today in a campus culture of scholarship, innovation, creativity, entrepreneurship and dedication to societal reform.

### **Rankings**

Trinity College Dublin is the top ranked university in Ireland. Using the QS methodology we are ranked 98<sup>th</sup> in the world and using the Times Higher Education World University Ranking methodology we are 146<sup>th</sup> in the World.

- Trinity College Dublin is Ireland's No.1 University (QS World University Ranking 2023, Times Higher Education Rankings 2022)
- Trinity is ranked 98<sup>th</sup> in the World (QS World University Ranking 2023)
- Trinity is ranked No.1 in Europe for Producing Entrepreneurs for the 7<sup>th</sup> year in a row Pitchbook 2021-2022

Full details are available at: [www.tcd.ie/research/about/rankings](http://www.tcd.ie/research/about/rankings).

## **The Selection Process in Trinity**

The Selection Committee (Interview Panel) may include members of the Academic and Administrative community together with External Assessor(s) who are expert in the area. Applications will be acknowledged by email. If you do not receive confirmation of receipt within 1 day of submitting your application online, please contact the named Recruitment Partner on the job specification immediately and prior to the closing date/time.

Given the degree of co-ordination and planning to have a Selection Committee available on the specified date, the University regrets that it may not be in a position to offer alternate selection dates. Where candidates are unavailable, reserves may be drawn from a shortlist. Outcomes of interviews are notified in writing to candidates and are issued no later than 5 working days following the selection day.

In some instances the Selection Committee may avail of telephone or video conferencing. The University's selection methods may consist of any or all of the following: Interviews, Presentations, Psychometric Testing, References and Situational Exercises.

It is the policy of the University to conduct pre-employment medical screening/full pre-employment medicals. Information supplied by candidates in their application (Cover Letter and CV) will be used to shortlist for interview.

Applications from non-EEA citizens are welcomed. However, eligibility is determined by the Department of Business, Enterprise and Innovation and further information on the Highly Skills Eligible Occupations List is set out in Schedule 3 of the Regulations

<https://dbei.gov.ie/en/What-We-Do/Workplace-and-Skills/Employment-Permits/Employment-Permit-Eligibility/Highly-Skilled-Eligible-Occupations-List/> and the

Ineligible Categories of Employment are set out in Schedule 4 of the Regulations

<https://dbei.gov.ie/en/What-We-Do/Workplace-and-Skills/Employment-Permits/Employment-Permit-Eligibility/Ineligible-Categories-of-Employment/> . Non-EEA

candidates should note that the onus is on them to secure a visa to travel to Ireland prior to interview. Non-EEA candidates should also be aware that even if successful at interview, an appointment to the post is contingent on the securing of an employment permit.

## **Equal Opportunities Policy**

Trinity is an equal opportunities employer and is committed to employment policies, procedures and practices which do not discriminate on grounds such as gender, civil status, family status, age, disability, race, religious belief, sexual orientation or membership of the travelling community. On that basis we encourage and welcome talented people from all backgrounds to join our staff community. Trinity's Diversity Statement can be viewed in full at <https://www.tcd.ie/diversity-inclusion/diversity-statement>.

## Application Procedure

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