



University of
St Andrews

Business School (Economics) Post-Doctoral Research Fellow in Climate- and Macroeconometrics





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Introduction



“Our remarkable students and staff are the lifeblood of St Andrews. It is their energy, vision and momentum [we] aim to support, to free them to use knowledge, ideas, and potential for the benefit of all.” The Principal, Professor Sally Mapstone

Founded in 1413, the University of St Andrews is Scotland's first university and one of the oldest in the English-speaking world. With more than 600 years of academic excellence, we are proud of our reputation as a world-class centre for learning, teaching, and research.

St Andrews is a close-knit, international community set in a beautiful historic town on Scotland's east coast. Our students and staff come from over 140 countries, creating a diverse and globally minded environment. We strive to create an inclusive culture in which all can flourish, and the University has attained several diversity awards, including those related to race and gender equality, and support for carers, which demonstrate our commitment to this ambition. The University is consistently ranked among the UK's top institutions for student satisfaction, research quality, and teaching excellence.

We are a research-intensive university where creativity, collaboration, and critical inquiry are at the heart of everything we do. Whether you are joining us in an academic, professional, or support role, you will be part of a team committed to delivering outstanding education and making a meaningful contribution to society.

For those looking to be part of a university with deep-rooted heritage, a global outlook, and a forward-thinking approach, we invite you to consider joining our community at the University of St Andrews.



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Business School (Economics)

The University of St Andrews Business School Department of Economics occupies the Castlecliffe building located in the historic town centre of St Andrews and overlooks St Andrews Bay.

Founded in 2023 from a merger of our top-ranked School of Economics and Finance and School of Management, the Business School comprises the Departments of Economics, Finance, and Management.

It fosters a vibrant and inclusive academic community of over 2,000 students and over 100 staff members and aims to develop globally-minded leaders with the ambition, knowledge, and skills to create a more prosperous and sustainable world.

The School is ranked among the top four business schools in the UK in the Guardian, Times and Sunday Times, and the Complete University Guide. Further information on the school is available here: <https://www.st-andrews.ac.uk/business-school/>

The role will be based within the Macroeconomics research cluster of the Department of Economics which currently has 17 members and is expanding.





Job Description

Reporting to:	Dr Martin Bruns (Reader in Economics)
Location:	St Andrews
Job Family:	Academic (Research)
Working Hours:	36.25 hours per week
Salary:	Grade 6, £38,784 per annum
Reference Number:	AR3355CM
Start Date:	1 March 2027
Interview Date:	26 January 2027
Duration of post:	Fixed Term until 31 December 2031

Main Purpose of the Role

This project studies how extreme weather events, such as heatwaves, floods, droughts and storms, affect the economy in the short term and what this means for central banks and other policy makers. It will develop new statistical tools to separate the effects of climate-related events on prices, output and jobs from other influences such as demand, supply and interest-rate changes. The results will help improve economic forecasts, inform climate and monetary policy, and provide an open database and software so that other researchers and institutions can build on this work.

The main task of the role is to engage in a series of research projects with Dr Martin Bruns, which involves implementing novel time series econometric methods, handling large climate-related datasets, and liaising with external partners. The main task will be to construct a database of monthly climate shocks which can be readily used in a structural vector autoregression. This is a potentially demanding task and will require substantial time and effort since it requires knowledge of the related climate concepts, a good understanding of the aggregation methods, and also a good knowledge of time series econometrics. Training is available via the Business School and external training opportunities.



Key Responsibilities

1. Plan and conduct own research activities within the project to meet deadlines and deliverables. This includes:
 - Construction of a monthly database of climate shocks
 - Implementation of novel time-series and macro-econometric methods
 - Liaise with external partners
 - Disseminate the project's findings at international conferences and other events
 - Attending internal and external training opportunities
2. Understand and convey material of a specialist or highly technical nature to the team and, where applicable, the funding body/sponsor through presentations, discussions and progress reports
3. Write up research work for publication in peer-reviewed journals (as principal or co-author)
4. Write and present research papers (and, where applicable, posters) at conferences, seminars and workshops
5. Engage in networking activities to make internal and external contacts, to develop knowledge and to form relationships for future research collaboration
6. Participation in outreach via press releases, social media, blogs and talks at public events
7. Develop specialist knowledge in the research area to deal with problems affecting the achievement of research objectives and deadlines, devising solutions to unexpected challenges in collaboration with the PI
8. Plan and manage own administrative activities
9. Contribute to the organisation of seminars, workshops and conferences
10. Proactively engage with other members of the research group and engage with the research environment within the School



Key Responsibilities

11. Supervise and provide support and guidance to research team members and assigned project student(s) as appropriate
12. Undertake a modest amount of teaching or demonstrating if allowable by the funder
13. Use initiative and creativity to identify areas for research, develop new research methods and extend the research portfolio
14. Identify potential sources of funding and write or contribute to research proposals and grant applications to external bodies if allowable by the funder
15. Ensure compliance with all legal and regulatory requirements including equality and diversity, data protection, copyright and licensing, security, financial, health and safety and other University policies, procedures and codes as appropriate

Special Requirements

This position may involve some international travel to attend meetings/work with collaborators at the CRU, ECB, and DIW Berlin as well as international conferences. Some evening or weekend work may be required in order to run/monitor time sensitive experiments.

Person Specification

Attributes	Essential	Desirable	Means of Assessment (i.e. application form, interview, test, presentation etc.)
Education & Qualifications <i>(technical, professional, academic qualifications and training required)</i>	Good first degree in relevant subject Hold or be close to submission of PhD in relevant subject		Application/certificates
Experience & Knowledge <i>(examples of specific experience and knowledge sought)</i>	Experience of applying relevant analytical skills, techniques and methods including: Econometrics and macro-economics. In particular time series analysis and macro-econometrics Developing research track record commensurate with stage in career	Knowledge of one or more of: Structural Vector Autoregressions Bayesian estimation Climate-related research Experience of applying for external funding Demonstrate clear potential for high quality research publications	Interview/Presentation Interview



Person Specification

Attributes	Essential	Desirable	Means of Assessment (i.e. application form, interview, test, presentation etc.)
Experience & Knowledge <i>(examples of specific experience and knowledge sought)</i>		Knowledge of one or more of: Credible plans for the active pursuit of external research funding Experience of teaching at undergraduate level Experience of supervising others (academically or in a management capacity) Project management experience Experience of organising activities for scholarly or public audiences	Interview/Presentation



Person Specification

Attributes	Essential	Desirable	Means of Assessment (i.e. application form, interview, test, presentation etc.)
Competencies & Skills (e.g. <i>effective communication skills, initiative, flexibility, leadership etc</i>)	Effective communicator (orally and in writing) Well-developed presentation skills including ability to communicate complex, theoretical and technical material in an engaging and intelligible way to a range of audiences including non-specialists Collegiality/willingness to work in a collaborative environment Ability to work autonomously and to be proactive in identifying and resolving issues	Impact and engagement evidence of disseminating research to constituencies beyond the academic community	Application/Interview Interview/Presentation Interview/References Interview/References



Person Specification

Attributes	Essential	Desirable	Means of Assessment (i.e. application form, interview, test, presentation etc.)
Competencies & Skills (e.g. <i>effective communication skills, initiative, flexibility, leadership etc</i>)	Administrative and IT skills appropriate for the efficient and effective delivery of research. Well-developed time management skills with the ability to meet deadlines		Application Interview/References
Other Attributes/Abilities (if applicable)	Evidence of keeping up to date with new developments in relevant knowledge and techniques	Evidence of participation in relevant academic and professional associations/bodies and external research networks Some knowledge of issues and challenges facing universities in attaining research funding	Application/Interview



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Benefits

St Andrews offers more than just a place to work—it is a place to belong. We value collegiality, inclusion, and wellbeing, and we are committed to creating a workplace where staff can thrive and perform at their best.

In addition to the salary on offer for this position, there are a wide range of benefits for staff working at the University of St Andrews. The package for the Post-Doctoral Research Fellow role includes:

- Financial contribution to relocation (subject to eligibility)
- Membership of the USS Pension Scheme with a generous employer contribution of 14.5%
- A hybrid working environment, including partial homeworking where appropriate and a range of family friendly policies, supporting work-life balance
- Staff discount scheme for local and national goods and services
- Free staff parking, employee Carshare and Cycle to Work Schemes and subsidised local bus travel
- Subsidised sports membership, reduced tuition fees on degree programmes for staff, access to training and development opportunities including LinkedIn Learning, access to library facilities, salary sacrifice scheme
- 34 Days Annual Leave plus 5 Public Holidays



How to Apply



We are committed to creating an accessible, fair and inclusive recruitment process for all candidates. If you require reasonable adjustments or accommodations during the application or interview process then please let us know and we will be happy to discuss support with you.

We encourage applicants to apply online at www.vacancies.st-andrews.ac.uk/welcome.aspx

If you have difficulties in completing the online application form, then please call +44 (0)1334 461990 or contact vacancies@st-andrews.ac.uk to discuss available support.

Applications should consist of:

- Letter of application (to include motivation and relevant academic background information).
- CV
- Names and contacts of two referees
- Other:
 - Job Market Paper
 - List of Publications
 - Research Statement
 - Teaching Statement
 - Teaching Evaluations

For all applications, please quote ref: AR3355CM

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Equality, Diversity & Inclusion

At St Andrews, we see diversity as a strength and value the rich variety of backgrounds, identities and experiences of our staff, students and alumni. We are committed to making the University a beacon of inclusivity and creating an environment where everyone can flourish and realise their potential.

We will achieve this through an approach that empowers our whole community and involves a determined shift in culture. Inclusivity will inform all of our policies and practices. The Principal, Professor Sally Mapstone

Diverse is a core theme of the University Strategy, and alongside our People Strategy, outlines a number of actions we are taking to create an inclusive culture. Our objectives include raising awareness of diversity events, initiatives and support, strengthening support for staff networks, creating more opportunities for employees to engage in consultations and discussions, offering a diverse range of rewarding career pathways and ensuring a working environment which supports positive working practices and behaviours.

We commit to providing a high-quality staff experience which enables all our staff to contribute, thrive, and perform at their best. By joining us at the University of St Andrews, you are joining a community which values difference, being your authentic self, and where you can play an active role in ensuring an inclusive environment for all.





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St Andrews

A modern location surrounded with ancient history, St Andrews is a dynamic and friendly town found on the east coast of Scotland. Situated in the Kingdom of Fife, St Andrews has easy links to nearby commuter towns and transport links (including airports) to the nearby cities of Dundee (13 miles) and Edinburgh (c. 1 hour by train).

Beyond the lecture halls and labs, St Andrews is home to stunning, unspoilt beaches and fresh sea air. Take a peaceful stroll or an energising walk with friends along the iconic two-mile stretch of the West Sands. If you prefer the water, ride the waves at the East Sands or try sailing, sea kayaking and windsurfing. For breathtaking views, a walk to the end of the stone pier is an experience not to be missed.

St Andrews and the surrounding area is home to a wide range of restaurants and shops, while boasting an array of beautiful beaches. St Andrews is also the home of golf and there are seven local courses including the famous Old Course.

Fife is an area filled with history and culture. There are nearly 5,000 listed buildings and 50 conservation areas across the Kingdom, with some historic structures dating all the way back to the 12th century. St Andrews enjoys a microclimate and is typically much drier than western parts of the country.





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Further Information

This post will be primarily based in St Andrews.

Interviews will be held on 26 January 2027.

The University encourages all interested candidates to apply, and all applications received are assessed against the essential and desirable criteria listed in the further particulars. The successful candidate will have to demonstrate their right to work in the UK prior to commencing employment and where required, the University can support with visa sponsorship.

You are expected to uphold a duty of care towards colleagues, students, and communities, and to actively contribute to a safe, respectful, and inclusive environment. This includes responding appropriately to disclosures or reports of sexual misconduct, gender-based violence, bullying, harassment, or other concerns, in line with organisational policies, and signposting individuals to the appropriate departments





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