



**Faculty of Environment
School of Earth and Environment**

Sustainability Research Institute

Lecturer / Associate Professor in Sustainability, Economics, and Low-Carbon Transitions

Job sharing arrangements can be considered

We are looking for an enthusiastic and self-motivated environmental social scientist with a focus on sustainability, economics and low-carbon transitions. The post will contribute to building the University of Leeds strategy and themes (in particular the Energy, Climate Change, Water, Food and Cities and Sustainable Societies themes), including in upcoming interdisciplinary and interfaculty teaching at the postgraduate level.

Your research should be in one or several of the broad areas outlined below. It should be interdisciplinary, and can bridge social science, business, management, economics, engineering, environmental science and climate science.

- Ecological economics of transition, including radical alternative models of future sustainable economies;
- Political economy of sustainability transitions: taking into account existing power structures, institutions, vested interests and their role in national and international policies;
- Business models and strategies required to achieve a transition to sustainability;
- Social practices and behaviours in sustainable transitions, energy savings and emissions mitigation;
- Earth Systems Governance: interaction between the organisation of societies and large scale environmental phenomena including planetary boundaries;
- Integrated Assessment Modelling of climate-energy-economy systems, including agriculture and land use;
- Socio-technical sustainability of low-carbon transitions: considering socio-economic aspects of the widespread deployment of low-carbon technologies;
- Innovative mitigation scenarios, including cumulative emissions budgets, forcing-based scenarios, burden-sharing, and technological implications of non-CO₂ GHGs and land-use.

You should have a PhD (or for Lecturer level be close to obtaining), research and teaching experience and publication track record relevant to the area and grade of the appointment. In terms of teaching, you will be expected to contribute to the established Masters and Bachelors programmes within the Sustainability Research Institute, but also to support new postgraduate teaching across faculties, for instance the MSc in Ecological Economics (joint between SRI and the Leeds University

Business School), MSc in Sustainable Cities, MSc in Sustainable Energy Systems (joint with the Faculty of Engineering). These initiatives are closely aligned with the University of Leeds strategic emphasis on key interdisciplinary themes, such as Cities and Sustainable Societies, Climate Change, Energy, Water, Food and Health.

The University of Leeds' commitment to women in science has been recognised with a national accolade. The University has received the Athena Swan Bronze Award in recognition of our success in recruiting, retaining and promoting women in Science, Engineering and Technology (SET). The Faculty of Environment are in the process of preparing an application for an Athena Swan award to recognise our commitment and work in these areas.

The University also offers family friendly policies including generous maternity and paternity leave; full details of the policies can be found here <http://hr.leeds.ac.uk/homepage/4/policies>

Lecturer: University Grade 8 (£38,896 - £46,414 p.a.)

Associate Professor: University Grade 9 (£47,801 - £55,389 p.a.)

Informal enquiries may be made to Professor William Young (Co-Director of the Sustainability Research Institute), email c.w.young@leeds.ac.uk, or Dr Julia Steinberger (Leader of the Economics and Policy for Sustainability research group), email j.k.steinberger@leeds.ac.uk

Closing Date: 15 April 2016

Ref: ENVEE1098

Click here for further information about working at the University of Leeds www.leeds.ac.uk/info/20025/university_jobs

Job Description

Responsible to: Head of School

Reports to: Director of Sustainability Research Institute

For appointment as a Lecturer

Main duties and responsibilities

Research, Innovation and Impact

- Undertake innovative, independent and collaborative research in the broad field of environmental social sciences with a focus on sustainability, economics and low carbon transitions research
- Maintain a track record of publications in high-impact, peer-reviewed international journals, and present results at key international conferences
- Establish a successful externally funded research programme
- Establish industrial, professional and public sector links and explore the scope for interdisciplinary collaboration and knowledge exchange within and beyond the University
- Contribute to research planning and development within the School including participating actively in relevant research groups
- Contribute to wider academic community, for example by journal editing, organising conferences, or being a member of a research council peer review college or other advisory group
- Assist in the design and supervision of PhD projects

Teaching and Scholarship

- Lead and contribute to undergraduate and masters modules in the BA Environment and Business, BSc Sustainability and Environmental Management, and MSc Climate Change and Environmental Policy programmes
- Contribute to building new interschool or interfaculty postgraduate programmes such as the MSc Ecological Economics, MSc Sustainable Cities, MSc Sustainable Energy Systems
- Supervise undergraduate and postgraduate dissertations
- Participate in teaching-related field trips
- Contribute to other research-led teaching as appropriate
- Be fully involved in the assessment of course work and examinations
- Act as a personal tutor
- Contribute to the review of modules, programmes and quality assurance mechanisms in the School of Earth and Environment

- Take a role in module and programme leadership and management as required
- Participate in student recruitment and outreach activities
- Undertake other teaching-related administrative duties as appropriate
- Any other duties as may reasonably be required, consistent with the grade of the post

Academic Leadership

You will undertake leadership duties as directed by the Head of School, commensurate with experience and overall workload

- Actively promote the objectives of the University of “Leeds People Management Framework” (PMF) within the School of Earth and Environment. The PMF aims to develop consistency of employment practices across the University
- Contribute to the administrative process and the committee structures of the School of Earth and Environment
- Manage or lead major executive tasks (sustained or one-off projects) at the School level and be actively involved in the management of School business
- Demonstrate capabilities in the University leadership and management standard to ensure that appropriate training is undertaken to enable you to achieve this
- Act as a mentor to colleagues with less experience

General

- Promote the values of collegiality within the academic and teaching community of SRI and the School
- Carry out the duties of the post in accordance with the university values and standards, including the Leadership and Management Standard, and in line with university policies and procedures and local faculty/school benchmarks as appropriate
- Be aware of and work in line with the university’s learning and teaching partnership agreement and work with our students as members of a learning community to provide world class education and an excellent student experience
- Maintain your own continuing professional development
- Maintain a safe and healthy work environment, including ensuring compliance with health and safety legislation and the undertaking of appropriate risk assessments

- Promote the integration of own research area with other research interests within and, as appropriate, outside the school and faculty
- Develop key partnerships with industrial, professional and public sector organisations for interdisciplinary collaboration and knowledge exchange and funding within and beyond the University
- Undertake any other duties, which may be commensurate within the role and grade as requested by the Head of School

For appointment as an Associate Professor

Main Duties and Responsibilities

You will be expected to have a fully developed role in research, teaching and academic leadership, contributing to innovation, strategic and operational planning in the School and across the University. **In addition to the duties at Lecturer level you will:**

Research, Innovation and Impact

- Demonstrate research leadership and research team building in sustainability, economics and low carbon transitions research, independently raising research funds
- Maintain a reputation as an authority in the field at a level of international excellence through a sustained record of high quality publication
- Maintain a track record in successfully applying for research funding from a range of funding bodies
- Take a leading role in research planning and development within the School
- Develop the strategic direction within own research area
- Promote the integration of own research area with other research interests within and, as appropriate, outside the school and faculty
- Demonstrate a successful track record of recruiting and supervising PhD students

Teaching and Learning

- Successfully lead the teaching of sustainability, economics and low carbon transitions and the development of new modules and programmes where appropriate
- Develop innovative approaches to learning and teaching, particularly in research-led teaching
- Lead the review of modules, programmes and quality assurance mechanisms in the School of Earth and Environment
- Take a leading role in curriculum development, including module and programme leadership and management

Academic Leadership

- Manage or lead major executive tasks (sustained or one-off projects) which facilitate School performance or business
- Have active involvement in the management of School business including contributing to committee structures of the school

- Involvement in the recruitment, management and development of staff and act as a mentor to less experienced colleagues
- Contribute to the development and achievement of the school, faculty and university strategy
- Lead activities to strengthen interdisciplinary activity across the University, including collaborative funding bids, leading activities in interdisciplinary networks, developing social, economic or environmental impact, and building the international reputation of SRI

General

- Contribute to the development and achievement of university, faculty and school strategy within the context of an international, research-led university
- Adhere to University values and standards, including the Leadership and Management Standard, and in line with university policies and procedures and local faculty/school benchmarks as appropriate, upholding high professional standards and leading by example
- Integrate the University value of inclusiveness into all appropriate aspects of the job; respecting the dignity and diversity of all members of the University community and of visitors to the University

University Values

All staff are expected to operate in line with the University's values and standards, which work as an integral part of our strategy and set out the principles of how we work together. More information about the University's strategy and values is available at <http://www.leeds.ac.uk/comms/strategy/>.

The School of Earth and Environment is a green impact award holder, and expects all staff to go about their duties in a resource efficient way, minimising impacts to the environment wherever possible

Career Expectations

The University of Leeds is committed to developing its staff. All staff participate in the Staff Review and Development scheme and we continue to work with individuals, supporting them to maximise their potential.

Progression to a higher grade is dependent on an individual taking on an increased level of responsibility. Vacancies that arise within the area or across the wider University are advertised on the HR website - <http://jobs.leeds.ac.uk> - to allow staff to apply for wider career development opportunities.

Person Specification

For appointment as Lecturer

Essential

- A PhD (or be close to obtaining) in a relevant area for the appointment
- Demonstrable expertise in one or more of the fields of sustainability, economics and low carbon transitions
- A proven track record of interdisciplinary collaboration and research in appropriate areas and well cited work in international peer reviewed journals
- An ability to attract research funds
- An ability to assume responsibility for lecturing and other teaching in sustainability, economics and low carbon transitions and experience of successful teaching in these areas at undergraduate and/or postgraduate levels
- Excellent communication and presentation skills, and a capacity to enthuse others
- An exemplary collegial approach to team working
- Experience of devising and supervising research projects at PhD level
- Experience in being a personal tutor
- A track record of fund raising from the public and/or the private sector
- A track record of knowledge exchange with industrial, professional and public sector organisations

For appointment as Associate Professor

Essential

- A PhD in a relevant area for the appointment
- Demonstrable leading expertise in one or more of the fields of sustainability, economics and low carbon transitions
- A sustained record of raising research funds from major national and international funding agencies and/or businesses and organisations
- A successful track record of leading interdisciplinary teams
- Proven ability to provide research leadership and successfully supervise research students
- Innovative with a significant and sustained track record of high quality, well cited publications in international journals
- A track record of knowledge exchange with industrial, professional and public sector organisations

- A recognised authority within your own subject within both academic circles and amongst research users, with evidence for esteem in terms of some or all of: citation record; invitations to speak at conferences; medals and prizes; and participation in national or international professional bodies
- Successful track record of innovative teaching of sustainability, economics and low carbon transitions at undergraduate and/or postgraduate levels
- An enthusiasm for all aspects of research, teaching and scholarship, with the ability to motivate and support other staff in achieving their full potential
- Evidence of promoting the values of collegiality within the academic and teaching community

Desirable

- Considerable experience of research student supervision
- Experience of delivering teaching to undergraduate or postgraduate students in a related subject to a high quality, using fresh and innovative teaching approaches
- Key partnerships with industrial, professional and public sector organisations on interdisciplinary collaboration and knowledge exchange and funding

Associate Professor Candidates

Applicants for Associate Professor would normally be expected not only to be experienced teachers but to have a significant publication record, together with proven research and knowledge transfer experience and to have demonstrated administrative and leadership skills

Additional Information

The University offers generous terms and conditions of employment, a wide range of benefits, services, facilities and family friendly policies. Full details are available on the Human Resources web pages accessible at www.leeds.ac.uk/hr

The Partnership

The Partnership has been developed by students and staff and describes the mutual expectations of us all as members of the University of Leeds community. More information about the Partnership is available at <http://partnership.leeds.ac.uk>

Disclosure and Barring Service checks

A Disclosure and Barring Service (DBS) Check is not required for this position. However, applicants who have unspent convictions, cautions, reprimands and warnings, including any pending criminal proceedings must indicate this in the 'other personal details' section of the application form and send details to the Recruitment Officer at disclosure@leeds.ac.uk.

Disabled Applicants

The post is located in the School of Earth and Environment. Disabled applicants wishing to review access to the building are invited to contact the department direct. Additional information may be sought from the Recruitment Officer, email disclosure@leeds.ac.uk or tel + 44 (0)113 343 1723.

Disabled applicants are not obliged to inform employers of their disability but will still be covered by the Equality Act once their disability becomes known.

Further information for applicants with disabilities, impairments or health conditions is available in the applicant guidance.

Further Particulars

The University of Leeds is one of the largest universities in Britain, with over thirty thousand students and more than six thousand staff, including over two thousand academic and academic-related staff. The University has departments in all major disciplines and is committed to developing a number of research areas as world class centres of excellence. This has involved identifying a number of 'gold peaks' of high quality research and developing strategic investment initiatives for these areas to enable them to develop further. The University has recently invested over £25 million in a new and refurbished buildings for the School of Earth and Environment.

School of Earth and Environment

The School of Earth and Environment is established as one of the leading centres of international excellence across the Earth and Environmental Sciences. In the UK REF 2014, we ranked 5th out of 44 departments in the UK for overall research quality in Earth systems and environmental sciences. We have been rated as one of UK's top 2 centres for research power and 90% of our research has reached world leading and internationally excellent standards based on overall quality. The School comprises ~120 academic staff and +100 postdoctoral researchers. In 2014/15 we attracted £14.6million in research funding and this figure is expected to exceed £21 million in 2019/20.

Institute of Applied Geosciences

The recently established Institute of Applied Geosciences promotes and supports world-class applied-facing research focused on energy, environmental and industrial applications of geoscience leading to high-quality publications, strong impact case studies, enhanced income, attraction and training of top-quality students, enhancement of research-led teaching for employment orientated UG and PG courses. IAG comprises a group of scientists researching fundamental geoscience with application and impact towards energy, environmental, industrial and infrastructural problems. IAG has a diverse research base, strong international profile and is highly multi-disciplinary. The institute comprises of five core research groups: Sedimentology Group, Geomechanics, Engineering and Petrophysics

Earth Surface Science Institute

This is an institute of Earth science researchers with a broad range of expertise, focussed primarily on palaeoenvironmental reconstruction and palaeontology (Palaeo@Leeds Group), and geochemistry (Cohen Geochemistry Group). Research endeavours encompass the study of past and present environmental and climatic conditions and the processes that control them and produce change. Thus, we study deep-sea vent communities, quantify groundwater systems, model past episodes of climate change, constrain the chemistry of ancient oceans, assess the drivers of biological evolution and mass extinction, and much more! Work ranges across all scales from the microscopic study of mineral growth and weathering, to the global-scale study of elemental cycling in the oceans. The Institute also includes a strong group working on of contaminated land and groundwater who collaborate closely with colleagues in the new Institute of Applied Geosciences (see below) who have interests in Engineering Geology and Hydrogeology.

<http://www.see.leeds.ac.uk/research/essi/>

Institute of Geophysics and Tectonics

The Institute of Geophysics and Tectonics is dedicated to understanding the structure and evolution of the Earth and neighbouring planets. Detection and measurement of resources in the crustal layer and understanding of geological hazard also are principal aims. Measurement of gravity, magnetism, seismic waves and electrical properties, theoretical and computer modelling, surface structural mapping and petrological studies all contribute to these goals. Recently, in collaboration with the Faculty of Engineering, we have expanded applied research in petroleum engineering, seismology and structural geology.

<http://www.see.leeds.ac.uk/research/igt>

Institute for Climate and Atmospheric Science

ICAS, in the School of Earth and Environment at the University of Leeds, is an established and expanding group, representing one of the largest and most active Atmosphere and Climate research teams in Europe. We have around 100 research-active members, whose programme covers Atmospheric Dynamics, Aerosols, Cloud Microphysics, Atmospheric Composition and Climate Change. In each of these areas, the Institute makes use of theoretical and numerical modelling on the full spectrum of scales, from cloud microphysics to global dynamics and chemistry. We maintain a long-term commitment to field measurement of atmospheric phenomena, including aerosols and chemistry as well as the physics and dynamics of weather systems. We also have well-established research collaborations with several UK and international agencies, including the Met Office, and we host the Directorate of the UK National Centre for Atmospheric Research (NCAS).

<http://www.see.leeds.ac.uk/research/icas>

The Sustainability Research Institute

As a key part of the School of Earth and Environment, the Sustainability Research Institute (SRI) is home to a team of over 30 academic staff and 35 research students conducting inter-disciplinary research on the different dimensions of sustainability. Research within SRI is based largely on the environmental social sciences and draws upon aspects of geography, sociology, politics, planning, economics, management, development studies and science and technology studies. Our broader activities combine social and natural sciences in leading-edge, interdisciplinary research. SRI has received significant research funding from various sources, including the recent award of £5.5 million from the ESRC to establish the Centre for Climate Change Economics and Policy (in partnership with the LSE). As well as being a centre of excellence for inter-disciplinary research, SRI runs a range of postgraduate and undergraduate programmes on the different dimensions of sustainability.

<http://www.see.leeds.ac.uk/research/sri>

Research Laboratory Facilities

The School of Earth and Environment has recently invested in newly commissioned geochemical and atmospheric science laboratories as part of the new build. These world class research facilities embrace all aspects of earth and environmental science including atmospheric instrument and chemistry labs, laser facilities, geomicrobiology-, geochemistry instrument-, isotope geochemistry-, hydrochemistry-, clean- and radiochemistry- labs. Further, the co-location of these facilities in the new School facilitates access to a wide range of analytical services including ICPMS, XRD, IC and isotope analysis.

<http://www.see.leeds.ac.uk/research/facilities/>

Student Education

The School of Earth and Environment has a student population approaching 1000. We offer a wide range of undergraduate and MSc programmes within the broad areas of Earth Sciences, Environmental Science and Sustainability. We also an MRes course and have a vibrant PhD community.

Our learning and teaching strategy is to:

1. Recruit and train excellent students who go on to beneficially impact society
2. Deliver distinctive, high quality, research based programmes, embedded in excellent practice
3. Provide an exceptional student experience and a thriving academic community

This strategy is delivered through high quality teaching supported by state-of-the-art equipment, facilities and resources. Strong links are made between research and teaching throughout the programmes, but in particular during projects and fieldwork.

<http://www.see.leeds.ac.uk/study/undergrad/>

<http://www.see.leeds.ac.uk/study/masters/>

<http://www.see.leeds.ac.uk/study/phd/>