

JOB DESCRIPTION

Job Title:	Senior Fellow (AC3)/Fellow (AC2) in Agri-environmental Modelling (Research career pathway)	Grade:	AC2/3
Department:	Natural Resources Institute, Agriculture, Health and Environment Department	Date of Job Evaluation:	
Role reports to:	Head of Department		
Direct Reports	None		
Indirect Reports: Other Key contacts:	Colleagues in NRI Ecosystem Services Research Group Sustainable Agricultural Intensification Programme Agriculture, Climate Change and Natural Resources Programme Colleagues in the University of Greenwich Potential funders, research bodies, donors, consultancy companies Private sector enterprises Overseas colleagues and partners within collaborative projects. Support staff within AHE Support staff in NRI Support staff in UoG		
This role profile is non-contractual and provided for guidance. It will be updated and amended from time to time in accordance with the changing needs of the University and the requirements of the job.			

PURPOSE OF ROLE:

The Natural Resources Institute (NRI) of the University of Greenwich is currently expanding its interdisciplinary research excellence to address food and nutrition security, especially in Africa. This expansion in capacity is funded by Research England as part of their highly competitive “Expanding Excellence in England” scheme, where NRI has received funding to appoint 22 members of staff, recruit 20 PhD students and enhance our research facilities.

Using a food systems approach, NRI and partners will focus on climate change, sustainable agricultural intensification, food loss and waste, and improved nutrition. More information on NRI’s Food and Nutrition Security Initiative can be found at www.nri.org/FaNSI.

This role will develop research in modelling of crops or agricultural systems in terms of their response to environmental conditions, in particular climate change. Modelling should seek to inform how agricultural systems can adapt to climatic and other environmental change; but also how different agricultural systems affect the environment, ecosystem services, and longer term sustainability.

The purpose of this role is **mainly** to conduct high quality research, but also contribute to teaching on undergraduate and postgraduate programmes in particular the Masters’ in Agriculture for Sustainable

Development and Global Environmental Change and BSc in Environmental Sciences. Teaching could represent up to 20% of this role. The person appointed will be expected to:

- Engage in research and professional practice across the subject area and contribute to the research profile of the Natural Resources Institute. The role is expected to mainly contribute to the Sustainable Agricultural Intensification Programme of the Institute (<https://www.nri.org/development-programmes/sustainable-agricultural-intensification/overview>)
- Contribute to the delivery of existing teaching, course development, and to participate in the research carried out in the department (teaching is foreseen as a maximum 20% of effort)

Note: The University of Greenwich is committed to promoting equality and diversity, and to providing an inclusive and supportive environment in which all individuals have the opportunity to contribute to their full potential. The University welcomes applications from candidates from diverse backgrounds.

KEY ACCOUNTABILITIES:

Team Specific:

- Contribute to subject or professional research leading to the publication and/or dissemination of original work of international excellence quality
- Contribute to the research profile of the Natural Resources Institute and its submissions to the Research Excellence Framework (REF)
- Maintain a portfolio of research and enterprise projects or contribute to teaching to achieve full personal commissioning at Full Economic Cost within two years of appointment
- To contribute and/or initiate (AC3) the development of funding bids which contribute to the acquisition of internal and external resources to fund research, enterprise or teaching projects
- Work proactively on specific research topics aligned to your own and the department's research interests
- Contribute to the integration of enterprise work/research and scholarship and activities into teaching or professional training materials (AC3)
- Contribution to the continuous improvement of the student experience or Lead courses/modules effectively including adopting a responsive approach to students
- Effective cross working with Professional Services to support students
- Contribute to relationship management external public/cultural sectors/business, industry/professional bodies in relation to teaching, research or enterprise
- Maintain effective, high quality and productive working relationships with professional bodies and employers as appropriate
- Supervision of undergraduate and postgraduate students
- Contribute to the general academic administrative work of the Department and Faculty

Generic:

- Assist in achieving the KPIs of the Natural Resources Institute
- Contribute to departmental plans, activities and efficient working practices
- Participate in visit to schools, local community groups, public engagements and related activity
- Demonstrate a commitment to equality, diversity and inclusion through teaching practice and / or engagement with University initiatives
- Contribute to peer review and departmentally based teaching development activities
- Promote your work and represent your discipline and the work of the University internally and externally, and take a proactive approach to ethical, good practice

Managing Self

- Keep abreast of developments within the field and seek continuous improvement of own professional practice
- Develop expertise in inquiry/research-informed teaching with an increasing degree of autonomy
- Actively participate in established professional development framework activities
- Behave in a manner which reflects the University values and creates a positive environment for work and study
- Maintain a high standard of student engagement and satisfaction
- Seek to maximise the learning outcomes of students

Core Requirements

- Adhere to and promote the University's policies on Equality and Diversity and Information Security. Ensure compliance with Health and Safety regulations and Data Protection legislation.
- Support and promote the University's Sustainability policies, including the Carbon Management Plan, and carry out duties in a resource efficient way, recognising the shared responsibility of minimising the university's negative environmental impacts wherever possible.

Additional Requirements:

Any other duties commensurate with the post and grade as agreed with the Head of Department and the Director of the Natural Resources Institute.

KEY PERFORMANCE INDICATORS:

Performance Indicators will be established in consultation with the Head of Department as part of the post-holder's annual Appraisal and Professional Development Review

KEY RELATIONSHIPS (Internal & External):

Head of Department
NRI Director
Research Group/Programme Leaders,
NRI academic staff
Project Controllers
Administrative colleagues in NRI
Academic and administrative staff in other University Departments
External collaborators on research and enterprise projects.

PERSON SPECIFICATION	
Essential	Desirable
Experience <ul style="list-style-type: none"> • Leading (AC3) or contributing (AC2) to research in the field of modelling of agri-environmental systems • Recent international peer-reviewed high impact publications (greater number at AC3) • Initiating the development of Research bids (AC2 - desirable) • Creating professional/community partnerships (AC2- desirable) • Some experience of teaching or training 	Experience <i>Research and enterprise</i> <ul style="list-style-type: none"> • Experience of regular short-term international travel to developing countries <i>Teaching</i> <ul style="list-style-type: none"> • Delivery and/or leading at undergraduate and/or postgraduate level in the field of agriculture or environment. • Conducting high quality, innovative and effective teaching on postgraduate and

- Willingness to undertake regular short-term international travel to developing countries

Skills

- Individual and /or collaborative income generation (AC2 – desirable)
- Application for research funding and other bids (AC2 – desirable)
- Outstanding organisational, IT communication and interpersonal skills

Qualifications

- PhD in agriculture, environmental science or related field
- An appropriate level Fellowship of the HEA (or willingness to obtain)

Personal attributes

- We are looking for people who can help us deliver the values of the University of Greenwich: Excellence, Determination, Inclusivity, Ambition and Creativity

undergraduate programmes

- Leading courses/modules effectively including adopting a responsive approach to students
- Postgraduate teaching /supervision
- Ability to teach across disciplines (AC3)

Skills

- Curriculum development in agri-environmental modelling
- Individual and/or collaborative consultancy work
- Working knowledge of a second language of relevance to NRI's work.

Qualifications

- Teaching qualification
- Appropriate professional qualification