

JOB DESCRIPTION

Job Title:	Fellow in Digital Development (Research Career Pathway)	Grade:	AC2
Department:	Food and Markets	Date of Job Evaluation:	
Role reports to:	Head of Food and Markets Department		
Direct Reports			
Indirect Reports:	<p>Colleagues in NRI, including NRI’s ICT for development specialist ICT development and delivery agents in the wider University (including GIS) ICT4AG professionals Private sector enterprises Overseas colleagues and partners within collaborative projects. Support staff within FMD Support staff in NRI</p>		
Other Key contacts:			
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.

The Food and Nutrition Security Initiative (FANSI) at NRI is contributing to the global view of food systems by increasing its understanding of the interactions between food security and nutrition in the context of developing countries and rural environments. This particular role recognises that developments in digital technology have the potential to accelerate the contribution of food systems to global well-being.

Information Communication Technologies (ICTs) have the potential to unlock system efficiency gains with very low levels of cost. This is particularly attractive in areas with poor market access, low levels of resilience to shock and vulnerability to change. ICTs can facilitate the creation of digital agricultural advisory services and market linkage platforms, allow larger agribusinesses to optimise their supply chain management, create possibilities to provide financial services such

as credit and insurance to smallholder farmers, and generate data that contributes to macro-level intelligence. Opportunities for application of digital technologies to improve food systems abound. Technologies allied to policies that promote digital access and literacy can make an important difference to food and nutrition security and sustainability.

Working within a larger multi-disciplinary team, the Digital Development Fellow will collaborate to expand NRI's portfolio of research and enterprise activities in the field of food and nutrition security that are driven by ICTs and/or data. Working collaboratively with other NRI researchers, the Digital Development Fellow will support a wide range of new initiatives across the spectrum of food systems including production, value/supply chain management, food safety and food loss and waste reduction.

The purpose of this role is **mainly** to conduct high quality research and implementation, but also contribute to teaching on undergraduate and postgraduate programmes in the areas of ICTs and digital development relevant to food systems. 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 contribute to several Themes/Programme of the Institute <https://www.nri.org/development-programmes/development-programmes-overview> including primarily: the Centre for Food Loss and Waste Reduction (FLoW) and Food Systems and Improved Nutrition, but also others such as Gender and Social Difference and Sustainable Trade and Responsible Business
- Contribute to the delivery of existing teaching, course development, and to participate in the research carried out in the department
- Contribute more widely to the design and delivery of teaching activities, reflecting the successfully candidate's own subject specialism appropriate for the needs of a diverse student body; across the range of courses offered by the Institute.

It is anticipated that teaching activities would not represent more than 10-15% of this role.

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)
- Acquire and 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 to the development of funding bids which contribute to the acquisition of

internal and external resources to fund research, enterprise or teaching projects

- Contribute to the integration of enterprise work/research and scholarship and activities into teaching or professional training materials.
- 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

And where there is a contribution to teaching activities, accountabilities might include:

- Contribute to the delivery of high quality, innovative and effective teaching and new teaching initiatives, including inclusive approaches to setting and marking assessment
- Lead on personal and academic tutoring of undergraduates
- Lead and support others in the design and develop of new courses/modules demonstrating excellent curriculum design;
- Contribute to curriculum development within the Department
- Work with other academics and the administrative teams to deliver excellent student care and support student success and employability

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 activities
- Demonstrate a commitment to equality, diversity and inclusion through teaching practice and / or engagement with University initiative
- 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):

Internal

- Head, Food and Markets Department
- Heads of relevant NRI Themes/Programmes
- Heads of relevant NRI Research Groups
- NRI academic staff
- NRI support staff
- Faculty and University wide collaborations

External

- Project donors
- Project partners and collaborators
- Private sector actors

PERSON SPECIFICATION	
Essential	Desirable
<p>Experience</p> <ul style="list-style-type: none"> Leading and contributing to subject and professional research in the field of Digital Development High quality publications Experience of developing and applying and/or researching digital solutions in an agricultural/business development context Knowledge of the field of 'ICT for development' or 'Digital development', including technological developments and key use cases in developing countries and current best practices Knowledge of a range of digital infrastructure such as machine learning, blockchain, IoT, drones, remote sensing, sensors, mobile applications, web applications, IVR, SMS Willingness to undertake regular short-term international travel to developing countries <p>Skills</p> <ul style="list-style-type: none"> Demonstrable experience of developing and applying ICTs (preferably, in developing country contexts, including application of human-centred design and stakeholder mapping methodologies) Experience conducting and publishing research into applications of ICTs in developing country contexts Outstanding organisational, IT communication and interpersonal skills <p>Qualifications</p> <ul style="list-style-type: none"> PhD in ICT for development, ICT for Agriculture, Digital Development, Digital Business, Agriculture with an ICT bias or related field (s) <p>Personal attributes</p>	<p>Experience</p> <p><i>Research</i></p> <ul style="list-style-type: none"> Initiating the development of Research bids Creating professional/community partnerships Knowledge of agriculture and international food business and its role in food systems <p><i>Teaching</i></p> <ul style="list-style-type: none"> Delivery and/or leading at undergraduate and/or postgraduate level in the field of Digital Development Conducting high quality, innovative and effective teaching on postgraduate and undergraduate programmes Leading courses/modules effectively including adopting a responsive approach to students Postgraduate teaching /supervision Student care and pastoral provision Experience of regular short-term international travel to developing countries <p>Skills</p> <p><i>Research and Enterprise</i></p> <ul style="list-style-type: none"> Individual and /or collaborative income generation Application for research funding and other bids Individual and/or collaborative consultancy work <p><i>Teaching</i></p> <ul style="list-style-type: none"> Curriculum development in Digital Development <p>Qualifications</p> <ul style="list-style-type: none"> Teaching qualification or an appropriate level Fellowship of the HEA (or willingness to obtain) Appropriate professional qualification



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