

## JOB DESCRIPTION

<b>Job Title:</b>	Post-doctoral Research Fellow in Environmental/Resource/ Marine Economics	<b>Grade:</b>	AC2
<b>Department:</b>	Natural Resources Institute	<b>Date of Job Evaluation:</b>	
<b>Role reports to:</b>	Social Scientist (Quantitative Socio-economic Methods)		
<b>Direct Reports</b>			
<b>Indirect Reports:</b>	Head of Livelihoods & Institutions		
<b>Other Key contacts:</b>	Partner staff at the Scottish Association of Marine Sciences, University of Newcastle, University of Manchester		
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:**

- To implement fieldwork and contribute to data analysis related to the “Diverseafood” project under the Global Food Security (GFS) Programme, funded by BBSRC.
- The Livelihoods and Institutions Department at NRI requires a researcher in environmental, marine, and/or natural resource economics to contribute to research activities on a project researching the potential of sustainable multitrophic aquaculture in the UK, particularly in Scottish farms
- The project aim is to explore how a transition to integrated multi-trophic aquaculture (IMTA) systems can increase seafood’s contribution to healthy and sustainable diets and lead to environmentally and socio-economically sound production
- The role holder will work alongside a team of researchers in the UK on various work activities:
  1. Developing and collecting data to parameterize a bioeconomic model of growth and harvest based on existing IMTA optimisation models of multispecies productivity
  2. Developing and implementing a survey in Scottish fishing communities to assess their consent or opposition to aquaculture industry developments
  3. Reviewing institutional and governance arrangements over the UK’s aquaculture industry
  4. Developing and conducting semi-structured stakeholder interviews to inform a political economy study of the factors which improve or impede the uptake of diversified aquaculture systems

- This role will require short-term (up to 1 month per visit) travel to Scotland

**KEY ACCOUNTABILITIES:****Team Specific:**

- Carry out scientific research to a high standard
- Carry out stakeholder interviews
- Assist in the development, analysis and collection of data requirements of bioeconomic IMTA models
- Assist in the development of a political economy framework to analyse the potential of IMTA uptake

**Generic:**

- Research: To maintain high professional standing within the discipline and to develop further their research skills, disseminated primarily in refereed academic journals
- Represent the University at project meetings with partners
- Take part in Faculty activities as required

**Managing Self**

- Be able to work effectively overseas as part of a multicultural scientific team
- Be able to work both as part of a team and independently
- Be able to coordinate with collaborators to perform the experiments required
- Be familiar with key literature and be able to identify literature in areas that are less familiar
- Work independently to achieve deadlines
- Regularly communicate progress to identified parties

**Core Requirements**

- Adhere to and promote the University's policies on Equality, Diversity and Inclusion and Information Security;
- Ensure compliance with Health & Safety 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:**

- Travel to partner meetings in the UK and attend conferences occasionally as required
- Membership of the University of Greenwich Early Career Research Initiative (if relevant)
- Undertake such other duties as may reasonably be requested

**KEY PERFORMANCE INDICATORS:**

- Meet project deadlines, including deadlines for data preparation and analysis, publications, presentations, research group meetings, etc., within agreed timelines and targets
- Development of and familiarity with relevant literature
- Publication of research findings in international peer-reviewed journals
- Work effectively with project partners to produce research outputs

**KEY RELATIONSHIPS (Internal & External):**

- Academic colleagues
- Head of Department
- NRI administrative and technical staff
- Project partners
- Project stakeholders
- Research community in area of subject specialism

<b>PERSON SPECIFICATION</b>	
<b>Essential</b>	<b>Desirable</b>
<b>Experience</b> <ul style="list-style-type: none"> <li>• Proven track record of compiling and analysing data using state-of-the art empirical methods in the field of environmental/resource economics</li> <li>• Familiarity with concepts related to the economics and management of fisheries</li> <li>• Familiarity with qualitative, quantitative and mixed methods research approaches</li> </ul> <b>Skills</b> <ul style="list-style-type: none"> <li>• Proven analytical skills and ease in manipulating complex modelling systems</li> <li>• Proven ability to work collaboratively across disciplinary boundaries</li> <li>• Proven ability to carry out scientific research</li> <li>• Evidence of ability to publish</li> </ul>	<b>Experience</b> <ul style="list-style-type: none"> <li>• Experience of fieldwork in the UK</li> <li>• Experience in developing mathematical bioeconomic models</li> <li>• Experience with stakeholder engagement</li> </ul> <b>Skills</b> <ul style="list-style-type: none"> <li>• Experience with data analyses using simulation modelling software</li> </ul>

<p><b>Qualifications</b></p> <ul style="list-style-type: none"> <li>• PhD in a relevant area e.g., environmental and/or natural resource economics, marine economics, sustainable aquaculture</li> </ul> <p><b>Personal attributes</b></p> <ul style="list-style-type: none"> <li>• We are looking for people who can help us deliver the <a href="#">values</a> of the University of Greenwich: Excellence, Determination, Inclusivity, Ambition and Creativity</li> </ul>	<p><b>Qualifications</b></p> <ul style="list-style-type: none"> <li>• N/A</li> </ul> <p><b>Personal attributes</b></p> <ul style="list-style-type: none"> <li>• N/A</li> </ul>
---	--