

## PERSON SPECIFICATION

<b>Job Title:</b>	Post-Doctoral Researcher – Trade Hub (quantification of ecosystem service feedbacks within integrated assessment models)
<b>Programme:</b>	Science Programme
<b>Job Reference No:</b>	AD1188
<b>Grade:</b>	D+

### QUALIFICATIONS / EDUCATION

**Essential:**

- PhD in a physical, mathematical, computational, environmental or biological discipline and experience in analyses and data manipulation

**Desirable:**

- Post-doctoral or other experience using trade related data and ecosystem services analysis and modelling, including linkages to economic outcomes

### EXPERIENCE

**Essential:**

- Experience in developing, applying and understanding integrated assessment models (IAMs) or land use/management models
- Understanding of a range of ecosystem service models and how biodiversity changes can impact upon ecosystem functioning and services
- Experience of code development and source code management
- Ability to develop and apply novel tools and approaches to address specific biodiversity/ecology related questions
- Experience with any of the following:
  - SSPs/RCPs
  - GAMS modelling language
  - model-data integration

**Desirable:**

- Experience with the analysis of wildlife trade or agricultural commodity trades
- Experience of GTAP or other economic databases
- Experience with/knowledge of Machine Learning/AI
- Knowledge and experience in the development or use of biodiversity indicators and/or global/regional variables describing drivers of biodiversity loss (e.g., land use or climate change)
- Line management experience

<ul style="list-style-type: none"> <li>- climate/hydrological/agricultural models</li> <li>• Preparation of funding proposals</li> <li>• Experience in publishing scientific papers</li> <li>• Interest in working with selected end users of the research and communicating the results in audience-accessible formats</li> <li>• Project management experience</li> <li>• Familiarity with budgets and project planning</li> </ul>	
<b>SKILLS</b>	
<ul style="list-style-type: none"> <li>• Proven analytical skills including the ability to produce novel analyses using appropriate programming languages/code such as GAMS, Python, R, C++, MATLAB, IDL, etc. on local and cloud computer resources</li> <li>• Proven ability to use source code management such as GitHub</li> <li>• Proven ability to work collaboratively and internationally</li> <li>• Ability to write clearly and succinctly and provide thorough documentation and guidance for analyses and tools</li> <li>• Understanding of relevant data sets</li> <li>• Excellent interpersonal communication and presentation skills</li> <li>• Fluency in written and spoken English is essential</li> <li>• Fluency in further languages is highly desirable, including core UN languages</li> </ul>	
<b>TYPE OF PERSON REQUIRED</b>	
<ul style="list-style-type: none"> <li>• Adaptable and able to work collaboratively with others, both inside and outside the organisations involved</li> <li>• Able to prioritise and balance multiple tasks and competing demands on time</li> <li>• Innovative, keen to develop ideas</li> <li>• Team player happy to work with and engage colleagues from many disciplines</li> </ul>	
<b>OTHER RELEVANT INFORMATION</b>	
<p>The post holder will be expected to interact in a professional manner with clients and partners. This is not a United Nations Post.</p>	