

JOB DESCRIPTION

Job title
Environmental Modeller (Agricultural GHGs /Water Quality/ Air Quality) Grade according to expertise and experience.
Name of person or job role reporting to
Dave Skirvin
Responsibilities
<p>The Role</p> <p>We require enthusiastic environmental modellers with programming experience to contribute to the continuing development and application of ADAS models for quantifying agricultural pollution. You will contribute to the ADAS leadership of the national agricultural Greenhouse Gas and Ammonia Inventory and application of catchment management models for evaluating the impact of agri-environment schemes and government regulations on river water quality. The role will involve interpretation and integration of environmental and farm management datasets, to support the application of models and quality assurance of their outputs. You will be involved in report writing and the presentation of results to a mixed audience of industry and policy makers. The group have interests in all aspects of diffuse agricultural pollution and welcome candidates with complementary interests and experience, especially if you can demonstrate a track record in new dataset developments or tool building. The role will also include promotion of the work of the Modelling, Software and Geospatial Sciences team both within the RSK group of companies and externally. The senior position will involve project management and leadership of applications for research funding.</p> <p>What you will be doing</p> <p>In collaboration with colleagues, you will apply technical knowledge relating to modelling and data analysis to develop useable and effective models and automated data analysis that support the production of user-friendly tools for policy and decision making within agriculture and environmental land management.</p> <p>Key responsibilities, will include:</p> <ul style="list-style-type: none">• Development and application of computer models and environmental datasets that allow tracking of change and predictions to be made that are realistic, defensible and appropriate to customer requirements.• Manipulation, management and analysis of farm management and environmental data sets, including GIS data.• Contributing to the timely and profitable delivery of projects within ADAS and to sales activity in Modelling, Software and Geospatial Sciences.

- Developing and maintaining a healthy professional relationship with other teams in ADAS and the wider RSK family.
- Staying up to date with the latest environmental research relating to the impacts of agriculture on the wider environment.
- Presentation of work, results and tools to clients, academics and the general public.
- Contributing to winning work through competitive tenders and direct awards from key funders.

Qualifications/Experience

Successful candidates will ideally have:

- Have a MSc or PhD in Environmental Science, focussed on aspects of agricultural GHGs, water quality or air quality.
- Have experience in collation and analysis of data relating to environmental quality and land management.
- Have demonstrated excellent attention to detail in manipulating large datasets.
- Have an interest in the use of any programming language or dashboard for structured and repeatable manipulation and analysis of datasets
- Have demonstrated an ability to work well in a team with other scientists, modellers and software developers.
- Have demonstrable experience of presenting outputs using contemporary methods and communicating effectively with a range of audiences to transfer the knowledge gained.

Senior candidates will have:

- Have experience with implementing and adapting computer models, ideally in a commonly used language such as C#.
- Have demonstrated a good understanding of the current agricultural and land management policy within the UK, particularly in relation to GHGs or water quality.
- Have demonstrated an ability to win competitive funding for projects from a range of funding sources
- Have demonstrated good time management with an ability to meet deadlines across multiple concurrent projects

It is expected that you be qualified in a numerate science, ideally with an environmental or agricultural sciences specialism. The senior role will benefit from previous work experience in a research or commercial environment, with evidence of having tendered for and delivered research projects.

You will have excellent numeracy and data analysis skills, and an understanding of national environmental datasets, with strong modelling and/or computer programming skills. You will have an understanding of the challenges facing agriculture and the environment, and be

able to demonstrate your enthusiasm and ability to contribute to the continuing success of ADAS.

I hereby agree that I have read and understood the job description.

Signed

Date

Name