

## GIS Analyst (ID 1707)

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Company: UK Civil Service

Location: United Kingdom

Category: computer-and-mathematical

### Job summary

APHA is an Executive Agency of the Department for the Environment, Food and Rural Affairs (Defra). We are responsible for identifying, managing, and controlling incidents and outbreaks of endemic and exotic diseases and pests in animals, plants and bees, as well as carrying out scientific research. We provide unique capabilities and an evidence base for the UK government, together with international reference centre responsibilities.

Epidemiological Sciences is a nationally important, multidisciplinary department with expert skills in epidemiology, risk analysis, modelling, statistics, data analysis and management. The Data Systems Workgroup (DSG), within the Department for Epidemiological Sciences (DES), provides a focal point of expertise in data sources and data sets (including spatial data) across APHA.

The GIS team currently comprises 5 members of staff with expertise in geospatial data analysis and data management. ♦ The GIS Analyst forms an integral part of the team focused on delivering geospatial services to the Department of Epidemiological Sciences and will provide geospatial analysis, data administration and advice that feeds into the scientific research and monitoring activities undertaken by the department.

### Job description

Based in the Data Systems Workgroup the GIS Analyst will join two other GIS analysts and a Senior GIS Analyst reporting to the GIS team leader. ♦ The team is responsible for delivering GIS input into multiple scientific projects within the Department of Epidemiological Sciences. ♦ For the majority of projects GIS forms part of the wider project delivery and

as such collaboration both within the GIS team and with staff from other Departments and Agencies is essential. ♦ The postholder will assist in implementing GIS solutions to scientific problems that are accurate, efficient and sustainable utilising all available tools. For the projects they are involved in the post-holder will be expected to take responsibility for the delivery of a number of specific agreed GIS deliverables. ♦ These will need to be delivered in a timely manner whilst still conforming to high quality standards. The post-holder will work on a number of cross-cutting science-related projects across the Agency delivering and taking responsibility for the GIS components of these projects. ♦

Support high quality science within the department by providing GIS expertise and input into a variety of epidemiological and mathematical modelling projects

Ensuring that the GIS solutions delivered are of the highest standard and fulfil the requirements of the wider project.

Managing spatial data derived from science projects in accordance with best practices and Government Guidelines

Input into wider data themed initiatives that impact on the GIS team

Ensure that the work delivered by them is to agreed standards and specifications. They will follow GIS best practice and standards.

Use scientific evidence and expert knowledge to support accurate, expert decisions and advice. As part of the process of making effective decisions they will need to carefully consider the available options, implications and risks of those decisions.

clearly communicate with a variety of stakeholders across APHA and Defra as part of the projects they are involved in. ♦ They will also need to influence the direction of projects in terms of the GIS approach taken.

♦ Contribute to the management of APHA Epidemiological Sciences department spatial data in accordance with best practices and APHA spatial data management policies.

Assisting with the management and development of the departments ESRI Enterprise GIS stack.

## **Person specification**

The post-holder will require skills and experience in the following areas:

Knowledge of ESRI ArcGIS desktop applications. Understanding of spatial data, its storage and management, and how it can be used. Experienced in the use of at least one programming or data analysis language ( Python, SQL). Strong analytical skills, particularly with regards to spatial analysis.

### **Behaviours**

We'll assess you against these behaviours during the selection process:

Managing a Quality Service

Communicating and Influencing

Delivering at Pace

Working Together

### **Technical skills**

We'll assess you against these technical skills during the selection process:

Give a clear presentation

### **Benefits**

Alongside your salary of £32,136, Animal and Plant Health Agency contributes £8,685 towards you being a member of the Civil Service Defined Benefit Pension scheme.

Learning and development tailored to your role

An environment with flexible working options

A culture encouraging inclusion and diversity

A with an average employer contribution of 27%

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