Analyst to work on
Climate Data Store (CDS)
Infrastructure

Location

This role will be based in the Reading area, in Berkshire, United Kingdom.

Summary of the role

The successful candidate will support developments to establish the infrastructure for the Climate Data Store (CDS) as part of the commitment to run the Copernicus Climate Change Service. The infrastructure will bring together different distributed services to offer users a unified access point in the form of a web portal.

About ECMWF

The European Centre for Medium-Range Weather Forecasts (ECMWF) is an independent intergovernmental organisation supported by 34 states. It carries out scientific and technical research, collects and processes large amounts of observations, and manages a long-term archive of meteorological data on a 24/7 operational basis. For details, see www.ecmwf.int.

ECMWF has been entrusted to operate the Copernicus Atmosphere Monitoring Service (CAMS) and the Copernicus Climate Change Service (C3S) on behalf of the European Commission until the end of 2020. Copernicus is the European Union (EU) flagship Earth-observation programme. The programme ensures operational monitoring of the atmosphere, oceans, and continental surfaces, and will provide reliable, validated information services for a range of environmental and security applications.

Overview of the role

The role will include evaluating existing technical solutions and contributing to the design of the new infrastructure. This will require good verbal and written communication with colleagues in the Development Section of the Forecast Department and other internal and external partners.

The post will be key to the implementation of chosen solutions and building the bridges between the various systems that will be integrated in this infrastructure. This includes conversion between data formats and implementing new interfaces for existing and new services.
Key responsibilities:

- To support the development to establish the infrastructure of the CDS
- To co-ordinate the work between different partners working on the CDS
- To evaluate various technical solutions

Qualifications and experience required

Education

University degree or equivalent in a relevant subject

Experience

- Candidates will have at least five years of experience working with large datasets in the field of climatology or meteorology
- Candidates must be able to work effectively in English and interviews will be conducted in English

Technical skills and knowledge

- Technical skills and experience working with earth-observation and geophysical datasets
- Good programming skills within web projects
- Solid knowledge of web technologies and service-oriented architectures
- Good understanding of requirements of the EU INSPIRE directive and standards of the Open Geospatial Consortium (OGC); candidates should be familiar with the handing of metadata, including the ISO 19115 standard on “Geographic Information - Metadata”
- Good knowledge of UNIX/Linux environments
- Good understanding of data formats such as netCDF, GRIB or any based on XML/JSON
- Knowledge of programming/scripting languages such as Python, Java or JavaScript
- Experience in managing technical projects
- A good knowledge of one of the Centre’s other working languages (French or German) would be desirable

Personal attributes

- Excellent interpersonal and communication skills to work with internal and external partners
- Dedication and enthusiasm to work in a team
- Flexibility

Additional information

Grade and remuneration

A2, according to the scales of the Co-ordinated Organisations.

The successful candidate will be recruited at the A2 grade and the annual basic salary will be £54,776 net of tax. This position is assigned to the employment category STF-PL as defined in the Staff Regulations.

Full details of salary scales and allowances are available on the ECMWF website at www.ecmwf.int/en/about/jobs, including the Centre’s Staff Regulations regarding the terms and conditions of employment.

Starting date

As soon as possible.

Length of contract

Four years.
How to apply

Please apply by completing the online application form available at www.ecmwf.int/en/about/jobs.

ECMWF has an Equal Opportunities Policy and applications from all suitably qualified candidates are welcome.

Staff are usually recruited from among nationals of the Member States and Co-operating States. However, applications from highly qualified candidates who come from other countries will be considered.

Closing date

The closing date for this position is 18 January 2015.

Interviews for this position are expected to take place in Reading between 2 and 13 February 2015.

* The ECMWF Member States are Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

* The ECMWF Co-operating States are Bulgaria, Croatia, Czech Republic, Estonia, former Yugoslav Republic of Macedonia, Hungary, Israel, Latvia, Lithuania, Montenegro, Morocco, Romania, Serbia and Slovakia.