

JOB DESCRIPTION: Climate Data Scientist

Assimila has a growing portfolio of projects applying weather and climate data to the challenge of monitoring, modelling and forecasting the natural environment.

We are seeking a Climate Data Scientist to help assess the quality, uncertainty and fitness for purpose of climate prediction and projection datasets. The role will involve developing analyses, documenting dataset strengths and limitations, and translating technical findings into clear guidance for users.

About Assimila

We use our expertise in Earth observation, weather and climate data processing, modelling and geo-computing to address real world problems – helping our clients understand, monitor and predict the environment. Strongly rooted in physical process modelling, we apply AI/ML approaches where relevant but not to the exclusion of thorough system understanding. We are a close-knit team where all contributions are acknowledged and applauded. We provide room to grow and pursue your own interests while remaining focused on world class results and exceeding our clients' expectations. We work with a range of partners from across the environmental sciences and technology domains ensuring your work will be varied, exciting and always challenging.

Main duties and responsibilities:

The role involves analysing and assessing climate prediction and projection datasets — including seasonal forecasts, decadal predictions, and long-term global and regional climate projections — for quality, uncertainty and fitness for purpose across a range of practical applications

Specific tasks include:

- Engaging with users and stakeholders to understand application needs and translate them into clear assessment questions
- Assessing climate prediction and projection datasets for quality, uncertainty, robustness and suitability for practical applications.
- Checking dataset documentation, metadata and quality information against defined requirements.
- Developing reproducible Jupyter notebooks to evaluate datasets in the context of user-relevant questions.
- Analysing dataset characteristics (such as ensemble behaviour, forecast skill, model bias, uncertainty and climate signals) across spatial and temporal scales.
- Summarising dataset strengths, limitations and recommended use in clear fitness-for-purpose guidance.

Your skills and capabilities

You will be highly numerate, with an academic and/or applied research background in climate, meteorology, environmental data science, or a related discipline. You will be comfortable working with large gridded datasets across timescales from seasonal forecasts to long-term climate projections.

Technical Skills and experience:

- Strong analytical skills, comfortable working with a variety of environmental datasets and analytical approaches
- Experience working with climate prediction and projection datasets, such as seasonal forecasts, decadal predictions, global climate model ensembles, or regional climate projections
- Experience assessing model bias, handling ensemble datasets, assessing and characterising uncertainty and applying suitable skill metrics
- Good skills in Python development, particularly in developing Jupyter notebooks.

Personal qualities and capabilities:

- Attention to detail
- Presentation and communication – able to present complex results in accessible and informative ways.

Salary and Conditions

Full time (37.5 hours per week)

Starting salary will be dependent on skills and experience and we may appoint more than one applicant. The salary range is from £35,000 for a recent graduate to £45,000 for more experienced candidates with a higher degree qualification and work experience.

Location: Reading, UK. Hybrid remote working will be considered

Start date: Autumn 2026

Applications

To apply, please send your CV, with a covering letter including:

- A summary of your experience and suitability for the post
- Details of your current role and salary.

to: jobs@assimila.eu by 21st August 2026

We welcome applications from candidates with diverse backgrounds and experience. If you meet many, but not all, of the criteria, we would still be pleased to hear from you.

If you have any questions about the role, please drop us a line at jobs@assimila.eu.

SUMMARY PERSON SPECIFICATION

Job Title: Climate Data Scientist

Criteria	Essential	Desirable
Education	• BSc or MSc in meteorology, climate science, environmental data science, physics, mathematics or a related quantitative discipline	• PhD in Meteorology, climate science or a related discipline or equivalent postgraduate experience
Skills and Experience	• Experience analysing climate prediction or projection datasets, such as seasonal forecasts, decadal predictions, CMIP-style global model ensembles or regional climate model outputs. • Experience developing Python geospatial analyses • Able to communicate scientific material clearly and effectively in written reports	• Large scale cloud-based data processing • Experience in data visualisation • Familiarity with CMIP, CORDEX, seasonal forecast systems, hindcast evaluation, probabilistic verification or climate-model intercomparison methods.
Disposition	• Self-motivated, independent worker • Good team-working and interpersonal skills, with the ability to communicate effectively with scientists • Able to work to deadlines	• Comfortable and proficient working directly with customers and stakeholders
Other	• Flexibility to travel nationally and internationally when required • Applicants must have an existing legal right to work in the UK	