

JOB VACANCY ANNOUNCEMENT

VAC-2025-54 – Data Expert for Climate Intelligence

Number of places: 1

Category: Post Doc 3

Workplace: Barcelona / Campus Nord UPC

Salary (gross): 29.322,04 €

Weekly working hours: 40 hrs/week

Contract type: Permanent Contract for Scientific and/or Technical Activities

Functions to be developed:

1. To ensure the completion of CIMNE's tasks in the project "SKOP. Beyond the limits of Climate Intelligence", approved for funding under the ESA-IEEC Phi-LabNET open call.
2. To develop software code to automatically download satellite observations of wind, temperature, irradiance, topography, orography and land use at a global scale, amongst others.
3. To prepare the data to be fed into a platform that uses deep learning technologies. That will ultimately serve to train a model combining satellite observation data with recalculation data from ERA5 and several weather stations.
4. To research on the state of the art for manipulations/transformations of the earth observation data in order to provide more sophisticated derived measurements on variables that are relevant to renewable energy production.

Required skills:

- Academic degree: PhD
- Programming in Python
- Programming in other computer languages is also valued
- Knowledge on the Copernicus Program and the different Earth Observation Missions by ESA and other Space Agencies
- Knowledge on the Destination Earth Initiative

Other valued skills (not mandatory):

- Scientific publications (Journal papers, Patents, etc.)
- Experience in research projects

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Qualification system:

The requisites and merits will be evaluated with a maximum note of 100 points. Such maximal note will be obtained summing up the following points:

- **Academic qualifications:** 20%
- **Training and development:** 20%
- **Professional experience:** 20%
- **Knowledge of the Catalan language:** 10%
- **Knowledge of the English language:** 10%
- **Selective tests and interview:** 20%

Candidates must complete the "Application Form" form on our website, indicating the reference of the vacancy and attaching the required documents.

The deadline for registration to the offer is July 18th, 2025, at 12 noon.

The preselected candidates may be requested to send the documentation required in the "Requirements" and "Merits" sections, duly scanned, and may be called to go through selection tests (which might be of eliminatory nature) and / or personal interviews.

Commitment to inclusivity:

At CIMNE, we champion workplace equity, diversity, and inclusion. We're committed to fostering a culture where everyone can thrive, leveraging diverse talents and backgrounds. We welcome all applicants regardless of color, religion, gender, origin, abilities, gender identity, sexual orientation, pregnancy or any other characteristic. Join us in building a community that values, celebrates, and respects every individual.

Quota Reservation:

In line with our commitment to inclusion, we reserve a percentage of our workforce for people with disabilities. We especially encourage these individuals to apply.

HR Excellence in Research:

CIMNE welcomes and supports the principles of European Commission's [European Charter for Researchers](#) and the [Code of Conduct for the Recruitment of Researchers](#), embracing a transparent, attractive, and open labour market in research. The centre's Human Resources Strategy for Researchers (HRS4R) includes an action plan with actionable short and long-term actions to support a high-quality working environment for all. Further information can be found [here](#).