



Open position - Researcher for meteorological modelling activities

CIMA Foundation is a non-profit research organisation that promotes study, scientific research, technological development and higher education in engineering and environmental sciences. CIMA is active in the fields of civil protection, risk reduction, climate change impacts, public health and conservation of aquatic and terrestrial ecosystems.

The activities will be framed within the project RETURN - MULTI-RISK SCIENCE FOR RESILIENT COMMUNITIES UNDER A CHANGING CLIMATE - CUP Code B57G22001180002, of which CIMA Research Foundation is a partner.

CIMA is looking for 1 motivated researcher to work on research and applied issues related to meteorological modelling in the context of the project "**Multi-Risk sciEnce for resilient commUnities undeR a changiNg climate - RETURN - CUP B57G22001180002**" funded by PNRR funds.

CIMA manages operational weather chains for short-term forecasts (up to +48h) over Italy with the WRF model. These forecasts are distributed to the National Civil Protection Department and to various Italian Weather Agencies through the MyDewetra and MISTRAL platforms. CIMA is also a partner of the COSMO Consortium (www.cosmo-model.org) for the development of the ICON limited area model.

CIMA is therefore looking for a motivated expert to contribute to the maintenance and development of these issues.

The ideal candidate should have the following characteristics:

- Degree or PhD in Meteorology, Atmospheric Physics or related subjects, or similar experience.
- Experience in the use of NWP modelling systems (e.g. WRF, COSMO, ICON).
- Knowledge of programming languages (e.g. Python, R, Fortran, C/C++) and shell scripting.
- Knowledge of integrated development environments (e.g. VSCode, PyCharm, Jupyter Notebook, JupyterLab, JupyterHub).
- Provable experience in Machine Learning technics applied to meteorological data.
- Good knowledge of English.

Further desirable characteristics are:

- Good communication and teamwork skills.
- Experience in formulating, managing and implementing technical projects.
- Willingness to undertake short assignments, also abroad.

Minimum qualifications required are a degree in Engineering, Physics, Mathematical Sciences or equivalent.

We offer:

- Type of contract proposed: National Collective Labour Agreement for the Education and Research sector.
- Level: V with salary around €29,000.
- Duration: temporary position until the end of the Project (30/11/2025) with possibility of extension.
- An interesting job in a young, interdisciplinary and fast-growing research foundation.
- Opportunity for professional growth and acquisition of know-how.
- Opportunity to work in a motivated and enterprising team.



- State-of-the-art technical facilities.

Candidates, after CV evaluation, will be contacted for an interview. Based on the outcome of the interview, candidates will be made a proposal for a position within CIMA.

Candidates must be resident in Schengen countries preferably or have a valid residence permit for work at the time of recruitment.

Interested candidates should send their CV to ricerca.personale@cimafoundation.org by 14.02.2025 (cover letter and reference letters could also be sent). Please specify "Weather Modelling".

The job is scheduled to start in the month of March.

Place of work: Savona.

This notice is issued in compliance with equal opportunities between men and women for access to employment and treatment at work, pursuant to Legislative Decree No. 198 of 11 April 2006, "Code of equal opportunities between men and women, pursuant to Article 6 of Law No. 246 of 28 November 2005." This notice is issued in accordance with the principles of protecting and valuing young people and of overcoming territorial gaps".

For any questions, please contact Dr Massimo Milelli (massimo.milelli@cimafoundation.org).

CIMA Research Foundation declares that it assumes the specific obligations of the NRP in relation to Do No Significant Harm (DNSH) environmental objectives, pursuant to Article 17 of Regulation (EU) 2020/852 of the European Parliament and of the Council of 18 June 2020, and, where applicable to cross-cutting obligations, such as, inter alia, the principle of contributing to climate and digital objectives ("Tagging"), gender equality ("Gender Equality"), the protection and empowerment of young people and overcoming territorial disparities, in accordance with the specific regulations on the subject.

Savona, 30 January 2025.

The Director of Management
Luisa Michela Colla