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

CIMA is looking for motivated researchers to strength its Program in the field of "Meteorology and Climatology Modelling". The Program includes research and applied-research projects funded by national (Italian) or international organizations and supports the operative activities of different national and international institutions.

The desired candidates should work in the pursuing of different of the following objectives within the Program:

- Develop atmospheric models for short range and very short range forecasting, at cloud resolving grid spacing, including data assimilation of weather observations;
- Develop atmospheric models for climate modelling at cloud permitting grid spacing;
- Strength the use of heterogeneous atmospheric data sources (satellite, radar, in situ stations, weather drones etc) in weather forecasting;
- Evaluate the impact of climate change on atmospheric phenomena;
- Support the operative activities in weather forecasting.

The ideal candidates should have the following characteristics:

- A Ph.D. in Atmospherics Physics, Computational Fluid Dynamics or related topics, or analogous experience;
- Experience in the usage of the Weather and Research Forecasting (WRF) modelling system;
- Experience in atmospheric modelling and meteorological/climatological data analysis;
- Experience in the use of heterogeneous atmospheric data sources;
- Knowledge of programming languages (e.g. Python, Matlab, R, Fortran, GO, NCL);
- Experience in the usage of high performance computing and cloud computing facilities;
- Experience in shell scripting
- Knowledge of English;
- Willingness to travel abroad.

Further desirable assets could refer to:

- Experience in atmospheric models validation;
- Experience in deep learning and machine learning;
- Experience in weather forecasting for agriculture, renewable energy production prediction, and air traffic management;
- Knowledge of atmospheric impacts of climate change;
- Communication skills (spoken, written and presentation);
- Good record of scientific publications;
- Professional experience in the management and implementation of technical projects;

We offer:

- an interesting job in a young interdisciplinary and fast-growing research foundation;
- the opportunity for professional growth and know-how acquisition;
- the opportunity to work in a motivated and enterprising team;
- the opportunity to work in international projects;
- state-of-the-art technical facilities.

Interested candidates should submit their CV to the email ricerca.personale@cimafoundation.org (cover letter and reference letters can be submitted too) within **28.02.2019**. Specify "Meteorology and Climatology Modelling".

The candidates, after CV evaluation, will be contacted for an interview. Based on the interview outcomes, a proposal for a position within CIMA will be made to the candidates. The proposed compensation will commensurate with experience: factors such as demonstrated hard and soft skills, level of education, history in the sector, and relevant work experience will all be evaluated.

The target start date is as soon as possible. Any questions can be directed to Dr. Antonio Parodi (antonio.parodi@cimafoundation.org).

Savona, 6 February 2020

The Managing Director
Luisa Michela Colla