

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 “Forest Fires and Biodiversity”. The Program includes research and applied-research projects funded by national (Italian) or international organizations and supports the operative activities of different national (Italian) or international institutions.

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

- Develop new models to improve fire danger forecast;
- Strength the use of satellite data in wildfire risk assessment and management;
- Integration of remote sensing data for phenological analysis of vegetation, including UAV and phenocam data;
- Use of WRF including the Fire module as input of fire danger index and fire propagation;
- Evaluate land use change and forest fire interactions under climate change conditions;
- Integration of stochastic and semi-physical approach for fire propagation modelling;
- Support the operative activities in fire danger forecasting and fire risk management.

The ideal candidates should have the following characteristics:

- A Ph.D. relevant with the related topics or analogous experience;
- Experience in fire danger and fire propagation modelling;
- Experience in the use of satellite data;
- Knowledge of programming languages (e.g. Python, Matlab, R, Fortran);
- Knowledge of GIS instruments and scripting;
- Knowledge of English;
- Willingness to travel abroad;

Further desirable assets could refer to:

- Experience in the use of UAV data;
- Experience in the use of phenocam data;
- Experience in WRF implementation;
- Experience in operational fire danger forecasting and/or fire risk management strategy;
- Experience in operational use of WRF\_Fire;
- Communication skills (spoken, written and presentation);
- Good record of scientific publications;
- Professional experience in the management and implementation of technical projects;

#### Fondazione CIMA

Centro Internazionale in Monitoraggio Ambientale

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Iscrizione al Registro delle Persone Giuridiche n. 34/UTG di Savona • P.IVA 01503290098 • C.F. 92085010095

- Knowledge of French/Spanish/Portuguese;
- Knowledge of the UNIX environment.

#### 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](mailto:ricerca.personale@cimafoundation.org) (cover letter and reference letters can be submitted too) within **20.02.2019**. Specify "Researcher in Forest Fires and Biodiversity".


The candidates, whose CV will be considered suitable for the collaboration with CIMA Foundation 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 [ricerca.personale@cimafoundation.org](mailto:ricerca.personale@cimafoundation.org)

Savona, 30 gennaio 2019

Il Direttore di Gestione  
Luisa Michela Colla



CIMA Foundation as data controller, informs you pursuant to art. 13 of the GDPR 679/2016 and to Law 196/2013 that the data supplied by you, will be managed in compliance with the aforementioned law and the obligations of confidentiality.

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