

## Open positions - Researchers on Early Warning System

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. CIMA is active in the fields of civil protection, risk reduction, climate change impact, public health, and aquatic and terrestrial ecosystems conservation.

CIMA is looking for at least 2 motivated researchers to work on Early Warning System research and applied activities within the context of the project **"Multi-Risk sciEnce for resilient commUnities undeR a changiNg climate - RETURN - CUP B57G22001180002"** founded on the PNRR resources.

An Early Warning System is an integrated system that includes hazard monitoring, forecasting, risk assessment, communication and preparedness activities, systems and processes that enables individuals, communities, governments, businesses and others to take timely action to reduce disaster risks in advance of hazardous events.

CIMA is actively working on all the topics involved in the EWS development for floods and droughts and is looking for motivated experts to contribute to the development of the various topics mentioned.

Ideal candidates should have the following characteristics:

- A Ph.D. in Risk Management, Hydrology, Meteorology or related topics, or analogous experience.
- Domain Knowledge at least one among:
  - Experience in hydrological/meteorological data analysis or modelling.
  - Experience in risk assessment for floods and/or droughts
  - Experience in the development of Early Warning Systems
  - Experience in Disaster risk management specially in preparedness activities
- Knowledge of risk assessment methodologies and ability to evaluate potential impacts of hazards
- Communication Skills:
  - Ability to clearly and effectively communicate complex technical information to non-experts, including policymakers and the public
  - Strong skills in writing comprehensive and accessible reports and briefings
- Project Management:
  - Ability to coordinate with multiple stakeholders, including government agencies, NGOs, and community groups
  - Strong organizational skills to manage multiple projects and tasks efficiently
- Field Experience:
  - Field experience in monitoring and assessing hazards, including hands-on experience with data collection and verification
  - Experience in engaging with communities to understand their vulnerabilities and enhance their resilience
- Adaptability:
  - Ability to adapt to rapidly changing situations and to update warning systems and protocols as new information becomes available
  - Commitment to continuous learning and staying updated with the latest

advancements in technology and methodology

- Training skills
  - Ability to explain complex concepts in simple, understandable terms using various communication techniques to keep learners engaged
  - Proficient in creating assessments to measure learning outcomes and providing constructive feedback
  - Able to adjust teaching methods and materials based on the needs and feedback of learners
- Good knowledge of English
- Willingness to travel

Further desirable assets are:

- Good record of scientific publications
- Knowledge of French/Spanish/Portuguese
- Good knowledge of GIS
- Knowledge of Python or R
- Knowledge of shell scripting

The minimum qualifications required are a degree in Engineering, Physics, Mathematical Sciences, Geological Sciences, or equivalent.

We offer:

- Type of contract proposed: Contratto Collettivo Nazionale Lavoro del comparto Istruzione e Ricerca.
- Level: from IV to II
- Duration: Fixed term contract of one year renewable until the end of the project scheduled for November 30, 2025
- Gross annual amount: from 32.200 € to 45.000 €
- 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.
- State-of-the-art technical facilities.

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 and level will be 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 candidates must be resident in Schengen area countries or have a valid residence permit for work at the time of hiring.

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) by **18.07.2024**. Specify "Researcher in EWS".

The start of activity is expected in September 2024.

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 April 11, 2006, "Code of equal opportunities between men and women, pursuant to Article 6 of Law No. 246 of November 28, 2005."

This notice is issued in compliance with the principles: of protecting and enhancing young people; of overcoming territorial gaps.

Any questions can be directed to Dr. Simone Gabellani ([simone.gabellani@cimafoundation.org](mailto:simone.gabellani@cimafoundation.org)).

CIMA Foundation declares to assume the specific obligations of the NRRP in relation to not causing significant damage to the so-called environmental objectives "Do No Significant Harm" (DNSH), pursuant to Article 17 Regulation (EU) 2020/852 of the European Parliament and of the Council of 18 June 2020, and, where applicable, to transversal obligations, such as, inter alia, the principle of contributing to the climate and digital objective (so-called "Tagging"), of gender equality ("Gender Equality"), of the protection and enhancement of young people and of overcoming territorial gaps, in compliance with the specific regulations on the matter.

Savona, 18 June 2024

Il Direttore di Gestione  
Luisa Michela Colla

