



The Abdus Salam

International Centre for Theoretical Physics



Post Title: Research Scientist
Domain: Earth System Physics
Post Number: 1ITSC PA120TP
Grade: P-3
Organizational Unit: ICTP
Primary Location: Trieste, Italy
Recruitment open to: Internal and external candidates
Type of contract: Project Appointment
Deadline (*midnight Trieste time*): **24-SEP-2025**

UNESCO Core Values: Commitment to the Organization, Integrity, Respect for Diversity, Professionalism

OVERVIEW OF THE FUNCTIONS OF THE POST

Founded in 1964 by the late Nobel Laureate Abdus Salam and located in Trieste (Italy), the Abdus Salam International Centre for Theoretical Physics (ICTP) seeks to accomplish its mandate by providing scientists from developing countries with the continuing education and skills that they need to enjoy long and productive careers.

Under the supervision of the Senior Research Scientist, the incumbent will contribute to research on the impacts of climate change on human health, specifically focusing on vector-borne diseases. The incumbent will be primarily involved in the research and aiding the Senior Research Scientist, who is the principle investigator (PI) leading the project, in the management of the upcoming ACCLIMATISE project (Attribution of a Changing CLIMate in the AssessmentT of malaria Intervention Strategy Efficiency)

In particular, the incumbent will:

- Conduct high-quality, original research on the impacts of climate change on vector-borne diseases, including but not limited to analysing climate datasets and epidemiological data to identify climate drivers of disease transmission, developing and applying models to project future disease risks under different climate scenarios and investigating the influence of environmental factors and socio-economic conditions on climate-health relationships.
- Contribute significantly to the implementation and management of the ACCLIMATISE projects, including the development of research plans, data analysis, and the preparation of project reports and deliverables.
- Provide scientific supervision to postdoctoral research associates involved in the research area.
- Collaborate effectively with project partners and other researchers within ICTP and internationally.
- Publish research findings in leading peer-reviewed scientific journals and present at international conferences.
- Actively seek and secure further external research funding through the preparation and submission of research proposals to national and international funding agencies.
- Participate in and contribute to ICTP's training and capacity building activities for scientists from developing countries, including the scientific supervision of students and postdoctoral fellows.
- Engage in science outreach and communication activities to disseminate research findings to broader audiences.
- Contribute to the intellectual environment of the ESP section through participation in seminars, workshops, and collaborations.

COMPETENCIES

A successful candidate will be required to demonstrate the following competencies:

- Accountability.
- Communication.
- Teamwork.
- Innovation.
- Results focus.
- Planning and organizing.
- Knowledge sharing and continuous improvement.

For detailed information please consult the [UNESCO Competency Framework](https://en.unesco.org/sites/default/files/competency_framework_e.pdf)
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REQUIRED QUALIFICATIONS

EDUCATION

- PhD degree (or equivalent) in a relevant field such as atmospheric and climate sciences, epidemiology, environmental health, ecology, biostatistics, or a related discipline

WORK EXPERIENCE

- Minimum of 4 years of professional experience in atmospheric and climate sciences, epidemiology, environmental health, ecology, biostatistics, or a related discipline
- A strong record of peer-reviewed publications in internationally recognized scientific journals.
- Demonstrated experience in research related to climate change/variability and its impacts, preferably with a focus on vector-borne diseases.
- Experience in analysing large datasets, dynamical disease modelling, and/or climate model analysis and modelling.
- Familiarity with relevant programming languages (in particular Python/R or similar for processing/analysis and FORTRAN for the dynamical disease model development).

SKILLS/COMPETENCIES

- Demonstrated ability to communicate effectively (both written and oral)
- Ability to work independently and as part of an interdisciplinary team in a multicultural environment

LANGUAGES

- Excellent knowledge of written and oral English.

DESIRABLE QUALIFICATIONS

WORK EXPERIENCE

- Experience in working for Educational Institutions

SKILLS

- Experience in science outreach and engagement.
- Experience in securing external research funding.
- Experience in supervising students or postdoctoral researchers.

LANGUAGES

- Proficiency in French

BENEFITS AND ENTITLEMENTS

UNESCO's salaries consist of a basic salary and other benefits which may include if applicable: 30 days annual leave, family allowance, medical insurance, pension plan etc.

For more information in benefits and entitlements, please consult [ICSC website](#) and [UNESCO's career website](#).

MORE INFORMATION

Please note that all candidates must complete an on-line application and provide complete and accurate information. No modifications can be made to the application submitted.

The evaluation of candidates is based on the criteria in the vacancy notice, and may include tests and/or assessments, as well as a competency-based interview.

Candidates must use the UNESCO's online application system which is accessible through the following links:

For current UNESCO fixed-term staff members: UNESCO Intranet > Tools > HR Apps > [Careers](#). If you are working remotely, you should connect to Careers portal through connect.unesco.org

For all other candidates: <https://careers.unesco.org>

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