



The Abdus Salam

# International Centre for Theoretical Physics



**Post Title:** Senior Research Scientist  
**Domain:** Research and Partnership (Earth System Physics)  
**Post Number:** 1ITSC 0845TP  
**Grade:** P-4  
**Organizational Unit:** International Centre for Theoretical Physics (ICTP)  
**Primary Location:** Trieste, Italy  
**Recruitment open to:** Internal and external candidates  
**Type of contract:** Fixed-Term  
**Deadline (*midnight, Paris time*):** **12-JUN-2025 (extended)**

**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.

Within the Division of Research and Partnerships and under the direct supervision of the Head of Section/Senior Research Scientist, Earth System Physics (ESP) Section, and in coordination with the Senior Coordinators, the incumbent will lead the sub-group of Research Scientists and performs and coordinates front-line research in Regional climate modelling, regional kilometer-scale climate simulations and hydroclimate modelling, and may provide leadership to one of the ICTP Programmes as necessary. In particular, the incumbent will be required to:

- Identify, develop and implement innovative research projects, ensuring that the research team stays on top of the latest scientific developments.
- Collaborate with leading research institutions worldwide to exchange scientific information and promote joint research and scientific collaboration programmes, while providing guidance and mentoring to junior members of the Earth System Physics Section working in regional climate modelling, regional kilometer-scale climate simulations and hydroclimate modelling, as well as to post-doctoral fellows, associates and visitors.
- Participate in the selection of the Diploma, M.Sc. and Ph.D. students, teach in the Diploma programme and supervise Diploma and possibly PhD students' thesis.
- Establish wide cooperation with scientists from developing countries, also organising ICTP meetings and external activities in own field of research at ICTP and in developing countries.
- Provide authoritative advice to the Division Director on programme planning and implementation, also ensuring that all high level needs, such as agreements, funding, selection procedures and coordination of the scientific work with the scientific faculty, needed for the proper running and success of these programmes are in place and functioning.

## COMPETENCIES

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

- Communication
- Accountability
- Innovation
- Knowledge sharing and continuous improvement
- Planning and organizing
- Results focus
- Teamwork
- Professionalism
- Building partnerships
- Driving and managing change
- Leading and empowering others
- Making quality decisions
- Managing performance
- Strategic thinking

For detailed information please consult the **UNESCO Competency Framework** ([https://en.unesco.org/sites/default/files/Competency%20Framework\\_E.pdf](https://en.unesco.org/sites/default/files/Competency%20Framework_E.pdf))

## REQUIRED QUALIFICATIONS

### EDUCATION

- Advanced University degree (Ph.D. or equivalent) in Geophysical Science, Physics, or a related field.

### WORK EXPERIENCE

- At least 7 years of relevant professional experience in regional climate modelling, regional kilometer-scale climate simulations, hydroclimate modelling, of which preferably 3 years at international level
- Internationally recognized research achievements in regional climate modelling, regional kilometer-scale climate simulations, hydroclimate modelling
- Experience in the teaching and/or mentoring of undergraduate, graduate and postgraduate students

### SKILLS/COMPETENCIES

- Excellent analytical skills. Ability to collect, synthesise and analyse information from various sources.
- Proven ability to work in a team and to maintain effective working relationships in a multidisciplinary and multicultural environment.
- Ability to communicate effectively on complex technical and scientific issues in English.

### LANGUAGES

- Excellent knowledge (spoken and written) of English.

## DESIRABLE QUALIFICATIONS

### WORK EXPERIENCE

- Experience in the development and coordination of scientific training programmes, with particular attention to those devoted to developing countries.
- Experience in the design, implementation and management of scientific projects.

### LANGUAGES

- Knowledge of another official UNESCO language (Arabic, Chinese, French, Russian, Spanish). Knowledge of Italian.

## 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 full information on benefits and entitlements, please consult our [Guide to Staff Benefits](https://en.unesco.org/sites/default/files/unesco-staff-compensation-booklet_en.pdf) ([https://en.unesco.org/sites/default/files/unesco-staff-compensation-booklet\\_en.pdf](https://en.unesco.org/sites/default/files/unesco-staff-compensation-booklet_en.pdf))

## 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. UNESCO uses communication technologies such as video or teleconference, e-mail correspondence, etc. for the assessment and evaluation of candidates.

Please note that only selected candidates will be further contacted and candidates in the final selection step will be subject to reference checks based on the information provided

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>

**In addition to the online application, candidates are requested to submit their research statement to the ICTP Personnel Office (email: [personnel\\_office@ictp.it](mailto:personnel_office@ictp.it)) clearly indicating in the subject line "Senior Research Scientist post no. 1ITSC 0845TP"**

For information: Personnel Office, Abdus Salam International Centre for Theoretical Physics, Strada Costiera, 11, 34151 Trieste, Italy.

E-mail: [personnel\\_office@ictp.it](mailto:personnel_office@ictp.it), phone: +39-040-2240-595/596/695