



The Abdus Salam
**International Centre
for Theoretical Physics**



Joint ICTP-IAEA Advanced Workshop on Strengthening Climate Resilience of World Cultural and Natural Heritage

DESCRIPTION:

The world cultural and natural heritage faces significant hazard due to climate-related extreme events and disasters. Historical buildings, monuments, archaeological sites, and natural features are continuously exposed to changing temperature and precipitation patterns. The resulting acidification and rising levels of oceans and seas, landslides, increased frequency of freeze/thaw cycles, coastal erosion among other factors, can cause materials to crack and split, destabilising the structure of buildings and damaging archaeological and natural heritage sites. Solutions to this challenging situation call for comprehensive actions in the areas of research, education, mitigation and adaptation.

MORE INFORMATION:

The workshop aims at creating a trans-disciplinary international forum to discuss best practice and explore novel pathways to build climate resilience to preserve cultural and natural heritage under threat in the context of sustainable people-environment relations.

The workshop will bring together trans-disciplinary international specialists, including archaeologists, curators, nuclear physicists, geochronologists, geochemists, architects, climatologists, ethologists and specialists of natural sciences. Both PhD students, early career and experienced scientists are welcome to apply.

Call for Abstracts: All applicants are required to submit an abstract for oral/ poster presentation.

Useful information:

IAEA "Accelerators for Heritage":

<https://nucleus.iaea.org/sites/accelerators/SitePages/accelerators-for-heritage.aspx>

TOPICS:

- Introduction to cultural and natural heritage under threat;
- Present and future environmental changes and pathways to build climate resilience;
- Nuclear analytical techniques for improved preservation of world heritage;
- Changes in the ecological system related to people, animals and environment;
- Sustainable heritage management: case studies and success stories.

SPEAKERS:

El Tayeb Abbas, National Museum of Egyptian Civilization, Egypt

V. Masson-Delmotte, LSCE, CEA Paris Saclay, France

R. Yuan, Monash University, Australia

F. Zanini, University of Udine, Italy

UNESCO Representative*

*To be confirmed



28 September - 2 October 2026



Trieste, Italy



**Deadline:
20 April 2026**

DIRECTORS:

A. Quiles, LSCE/LMC14, CEA Paris Saclay - EHESS, France

A. Simon, IAEA, Austria

LOCAL ORGANIZER:

R. Kaiser, ICTP, Italy

FURTHER INFORMATION:

E-mail: smr4239@ictp.it

Web: <https://indico.ictp.it/event/11165/>

Female scientists are encouraged to apply.

GRANTS:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries.

There is no registration fee.

