



# **Regional Workshop on Radiation Technologies for Cultural Heritage Preservation**

**Hosted by**

The Government of France

**through the**

ARC-Nucleart

Grenoble, France

**16 to 20 November 2020**

**Ref. No.:** ME-RER1021-2002319

## **Information Sheet**

### **Purpose**

The purpose of the event is to train the participants on the theoretical and practical aspects of using ionizing radiation for cultural heritage preservation, conservation and consolidation.

### **Working Language(s)**

The working language(s) of the event will be English.

## **Deadline for Nominations**

Nominations received after **28 August 2020** will not be considered.

## **Project Background**

Radiation processing exists in many European countries mainly for the sterilization of medical products and the production of advanced polymer materials. The planned further expansion of the European Union will result in increased trade, requiring strictly controlled radiation technologies through standardized quality control methods and procedures. EU and national authorities introduced new standards and regulations related to health care products, pharmaceuticals, and further development in radiation processing. IAEA TC regional project activities were initiated and carried out to help the establishment of radiation processing technologies and to check the existing quality control procedures in the region in industrial gamma and electron beam facilities. One of the progress and results of the IAEA TC regional projects is increasing the reliance on radiation treatment of cultural heritage. Thus, this workshop aims at disseminating the information and knowledge of radiation treatment in an interdisciplinary manner so as to enhance the communication and cooperation among scientists working in radiation related sciences, restorers, and curators.

## **Scope and Nature**

The workshop will consist of presentations and case-studies analysis of cultural heritage objects with special consideration given to base materials of the artefacts after radiation treatments for:

- Prevention, reduction or elimination of damage to cultural heritage collections and archives effectively is carried out by use ionizing radiation especially in case of disastrous or catastrophic circumstances;
- Decontamination of biological contaminants by ionizing radiation;
- Consolidation of wooden and tissue/paper artefacts: state of the art on the process.
- To address the needs and requirements of restorers and conservators for the application procedure of radiation treatments to cultural heritage artefacts.

The participants will acquaint with the procedures of the radiation treatments of cultural objects by the ARC-Nucléart Institute. Dosimetry examples will be included

## Participation

The event is open to 50 participants from Member States under RER1021, RAS1021, and RLA1019 that would be interested in improving and progressing the use and application of ionizing radiation for cultural heritage preservation.

## Participants' Qualifications and Experience

The participant should be a senior researcher responsible for improving and implementation of novel radiation technology at gamma and electron beam facilities, as well as professional staff as end-users (restorers and other specialists).

## Application Procedure

Candidates wishing to apply for this event should follow the steps below:

1. Access the InTouch+ home page (<https://intouchplus.iaea.org>) using the candidate's existing Nucleus username and password. If the candidate is not a registered Nucleus user, she/he must create a Nucleus account (<https://websso.iaea.org/IM/UserRegistrationPage.aspx>) before proceeding with the event application process below.
2. On the InTouch + platform, the candidate must:
  - a. Finalize or update her/his personal details, provide sufficient information to establish the required qualifications regarding education, language skills and work experience ('Profile' tab) and upload relevant supporting documents;
  - b. Search for the relevant technical cooperation event (EVT2002319) under the 'My Eligible Events' tab, answer the mandatory questions and lastly submit the application to the required authority.

**NOTE:** Completed applications need to be approved by the relevant national authority, i.e. the National Liaison Office, and submitted to the IAEA through the established official channels by the provided designation deadline.

For additional support on how to apply for an event, please refer to the [InTouch+ Help page](#). Any issues or queries related to InTouch+ can be addressed to [InTouchPlus.Contact-Point@iaea.org](mailto:InTouchPlus.Contact-Point@iaea.org).

Should online application submission not be possible, candidates may download the nomination form for the meeting from the [IAEA website](#).

**NOTE:** A medical certificate signed by a registered medical practitioner dated not more than four

months prior to starting date of the event must be submitted by candidates when applying for a) events with a duration exceeding one month, and/or b) all candidates over the age of 65 regardless of the event duration.

## **Administrative and Financial Arrangements**

Nominating authorities will be informed in due course of the names of the candidates who have been selected, and will at that time be informed of the procedure to be followed with regard to administrative and financial matters.

Selected participants will receive an allowance from the IAEA sufficient to cover their costs of lodging, daily subsistence and miscellaneous expenses. They will also receive either a round-trip air ticket based on the most direct and economical route between the airport nearest their residence and the airport nearest the duty station through the IAEA's travel agency American Express, or a travel grant, or they will be reimbursed travel by car/bus/train in accordance with IAEA rules for non-staff travel.

## **Disclaimer of Liability**

The organizers of the event do not accept liability for the payment of any cost or compensation that may arise from damage to or loss of personal property, or from illness, injury, disability or death of a participant while he/she is travelling to and from or attending the course, and it is clearly understood that each Government, in approving his/her participation, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.

## **Note for female participants**

Any woman engaged by the IAEA for work or training should notify the IAEA on becoming aware that she is pregnant.

The Board of Governors of the IAEA approved new International Basic Safety Standards for Protection against Ionizing Radiation and for the Safety of Radiation Sources. The Standards deal specifically with the occupational exposure conditions of female workers by requiring, inter alia, that a female worker should, on becoming aware that she is pregnant, notify her employer in order that her working conditions may be modified, if necessary. This notification shall not be considered a reason to exclude her from work; however, her working conditions, with respect to occupational exposure shall be adapted with a view to ensuring that her embryo or foetus be afforded the same broad level of protection as required for members of the public.

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