



# **Regional Workshop on Medical Preparedness and Response in case of a Nuclear or Radiological Emergency**

**Hosted by**

The Government of Cyprus

**through the**

Radiation Inspections and Control Service

Nicosia, Cyprus

**6 – 10 May 2019**

**Ref. No.: ME-RER9151-1807656**

## **Information Sheet**

### **Purpose**

The purpose of the event is to provide training on medical preparedness and response aspects related to nuclear or radiological emergencies.

The workshop will consider generalities related to nuclear and radiological emergencies and specific topics on medical emergency preparedness and response (EPR). The workshop will:

- Include information on common sources of ionizing radiation, radiation protection aspects and health effects of ionizing radiation in humans;
- Present fundamentals on the medical handling of individuals exposed to ionizing radiation at pre-hospital and hospital levels;
- Provide training on the clinical aspects of the diagnosis and treatment of individuals presenting acute whole-body exposure, local body exposure and internal exposure in the framework of radiation emergencies;
- Explain dose assessment methods that will provide relevant information for the medical management of exposed individuals; and
- Present case studies for open discussions, especially on the medical actions taken at that time and what were the lessons identified in those cases.

## **Working Language(s)**

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

## **Deadline for Nominations**

Nominations received after **28 February 2019** will not be considered.

## **Scope and Nature**

The workshop program will consist of theoretical lectures on medical preparedness and response based on the relevant IAEA publications (Emergency Preparedness and Response Series and IAEA Technical Documents series) and presentations of case studies based on the lecturers' experiences. By the end of the workshop, the participants will:

- Have updated their knowledge of the health effects of ionizing radiation;
- Be able to train medical personnel in their home countries on basic activities related to emergency medical response;
- Know about lessons learned from medical response to various real-life radiation emergencies;
- Be able to recognize radiation injuries, initiate medical management of these cases and understand the evolution of individuals eventually exposed;
- Be able to respond to radiation overexposure, including establishing and maintaining contact with appropriate response authorities;
- Know how to provide initial treatment for overexposed, injured or contaminated individuals at least during the initial treatment stage; and
- Be able to understand the procedures and samples that are necessary for dose assessment.

## **Expected Output**

Trained personnel from participating countries with the knowledge to serve as medical responders to a radiation emergency. Participants should provide a report to Technical Cooperation and the Incident and Emergency Centre, considering actions that will be taken by them returning to their countries as part of the follow-up of the participation in this training (i.e. transfer of knowledge to other healthcare professionals, enrolment in other related trainings, etc.)

## **Project Background**

It is well recognized among organizations responsible for emergency management that good preparedness in advance of any eventual emergency can substantially improve the emergency response. Due to the low incidence of medical radiation emergencies, many health professionals are not familiar

with concepts of ionizing radiation, internal or external exposure neither with the clinical manifestations or the evolution of these kind of patients. Therefore, is important that medical professionals could receive continuous training on medical management of patients and be prepared to diagnose and to initiate medical actions at early stage, being aware of the evolution of individuals overexposed.

This workshop will provide continuous education for medical practitioners in updating their knowledge and providing further details on the clinical evolution and medical management of individuals exposed.

## Participation

The event is open to **25** participants from Member States.

Up to two participants from each member state participating in the project but maximum 25 participants.

## Participants' Qualifications and Experience

The participants should have a formal education in medicine at a level equivalent to a university degree and/or should be health care professionals. A requisite to participate in this event is that participants should have participated and completed a previous edition of an IAEA training course for medical response to radiation emergencies or an equivalent training at national or regional level.

*Participants could be drawn from the following categories of personnel:*

- Emergency medical personnel (who specialize in emergency medicine and may be involved in pre-hospital and hospital care for overexposed, injured or contaminated persons);
- Professionals working at institutions, regulatory bodies, hospitals or facilities that organize or provide medical response and the management of patients exposed to radiation; and
- Relevant medical specialists (emergency physicians, haematologists, radio pathologists, nuclear medicine physicians, radiotherapists, radiologists, surgeons at burn departments and epidemiologists).

The individual skills of candidates and the actual work they perform, as well as relevant background activities in their home countries, will be considered in the selection process.

As the workshop will be conducted in English, participants should have sufficient proficiency to follow lectures and express themselves in that language without difficulty.

## Application Procedure

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

1. Access the IAEA TALEO page (<https://iaea.taleo.net/careersection/ex/jobsearch.ftl>) and complete the Candidate Profile.
2. Be registered on the Nucleus page of the IAEA (<https://nucleus.iaea.org/>).
3. Through Nucleus, access the InTouch+ platform where the Profile is completed (My Profile tab) (<https://nucleus.iaea.org/Pages/InTouchPlus.aspx>).

**NOTE:** The email used for TALEO and Nucleus must be the same. If not, the candidate's profile will not appear complete.

4. On the InTouch + platform, under the 'My InTouch +' tab, the candidate needs to:
  - a. select the institute / organization that he/she works at / represents ('My Institute' section);
  - b. click on the link called '**Refresh Personal History Form**' to update the system, *otherwise the nominations submitted will have these fields empty and it will not be possible to evaluate them during the selection of candidates* ('IAEA Recruitment Platform' section).

**NOTE:** Once the above steps are finalized, the candidate's profile will appear as completed and he/she can apply for Technical Cooperation events.

5. In the InTouch+ platform (<https://intouchplus.iaea.org>), in the 'Applications' tab, search by the event number provided in the invitation.

The help for each step is located at the top of the page. For additional help on how to register, create a profile and apply for an event, please refer to the online guide and training videos available under the following links: [how-to guide](#) and [training videos](#). Any issues or queries related to the new system can be addressed to [InTouchPlus.Contact-Point@iaea.org](mailto:InTouchPlus.Contact-Point@iaea.org) or [TC-AIPS-PL4.Contact-point@iaea.org](mailto:TC-AIPS-PL4.Contact-point@iaea.org).

Should this not be possible, applicants may download the Nomination Form for the ME from the IAEA website <https://www.iaea.org/services/technical-cooperation-programme/how-to-participate>.

Applications should contain sufficient information to establish that the nominees have the required qualifications. Please note that the information regarding LANGUAGE SKILLS, EDUCATION AND WORK EXPERIENCE is exported from TALEO. If an applicant's profile in TALEO is not updated, the information in INTOUCH+ for these sections appears as empty and the candidates cannot be evaluated. Completed applications need to be endorsed by the relevant national authority, i.e. the National Liaison Office and submitted through the established official channels.

## 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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