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International Atomic Energy Agency

Agence internationale de l'énergie atomique

Международное агентство по атомной энергии

Organismo Internacional de Energia Atómica

National Liaison Officer

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2015-08-25

**Subject:** Invitation to a Regional Workshop on Uncertainty Assessment in Dose Calculation in Radiation Processing, Budapest, Hungary, 9-11 November 2015

Dear National Liaison Officer,

I am pleased to invite you to send nominations of suitable candidates to participate in the above-mentioned workshop under the framework of TC Project RER/1/014 – Introducing and Harmonizing Standardized Quality Control Procedures for Radiation Technologies. The purpose of the workshop and related information are outlined in the attached Prospectus.

For candidates who are selected by the IAEA, the IAEA will cover the cost of return international travel from the home country to Budapest, Hungary and provide Daily Subsistence Allowance (DSA) for the duration of the workshop in line with IAEA rules and procedures.

Please submit nominations to the IAEA online through the Technical Cooperation Department's InTouch system (<http://intouch.iaea.org>). Only if this is not possible, nominations may be submitted on the Nomination Form for Meeting/Workshop available on the IAEA website: <http://www.iaea.org/technicalcooperation/How-to-take-part/In-meetings-WS/index.html>.

Completed forms should be endorsed by relevant national authorities and sent to the Programme Management Officer for this project, Alessia Rodriguez Y Baena (IAEA Official Fax: +43-1-26007 or E-Mail [Official.Mail@iaea.org](mailto:Official.Mail@iaea.org)), through the official channels, i.e. the designated National Liaison Office for IAEA matters, not later than **18 September 2015**.

Yours sincerely,

Martin Krause

Director

Division for Europe

Department of Technical Cooperation

Enclosure: Prospectus

# International Atomic Energy Agency

## Regional Workshop on Uncertainty Assessment in Dose Calculation in Radiation Processing

### PROSPECTUS

**Project Number & Title:** RER/1/014: Introducing and Harmonizing Standardized Quality Control Procedures for Radiation Technologies

**Place (City, Country):** Budapest, Hungary

**Dates:** 9-11 November 2015

**Deadline for Nominations:** 18 September 2015

**Organizers:** The International Atomic Energy Agency (IAEA) in collaboration with the Government of Hungary through the Centre for Energy Research of the Hungarian Academy of Sciences

**Host Country Organizer:** Mr Andras Vilmos Kovacs  
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Centre for Energy Research  
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**Language:** English

**Purpose:** The purpose of the workshop is to enhance and exchange knowledge and experience on recent approaches for uncertainty assessment in dose calculation in radiation processing.

**Expected Output(s):** The expected outputs of the workshop are:

- Knowledge of participants enhanced and exchanged as regards the application of recent approaches for uncertainty assessment in dose calculation in radiation processing.
- modern approaches for uncertainty assessment in dose calculation reviewed;

- Enhanced cross-stakeholder and cross-sectorial networking at both national and regional level.
- Achievements reviewed as per objectives of the project RER/1/014 and remaining challenges/ emerging areas to be addressed identified.
- Workshop report produced for distribution to the project counterparts.

**Scope and Nature:**

The workshop will consist of presentations and group exercises covering topics related to new approaches for uncertainty assessment in dose calculation radiation processing. Participants are kindly requested to prepare a very short (max. 3-5 minutes) summary - to be given during the participant introductory session at the beginning of the workshop - describing their regular uncertainty calculation practice during their own radiation processing activities.

**Background Information:**

Radiation processing exists in many European countries mainly for the sterilization of medical products and for 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, food treatment and further development in radiation processing. Regional 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.

Building on the achievement of previous TC regional project, such as RER/8/017 “Enhancing Quality Control Methods and Procedures for Radiation Technology” (2009-2011) and RER/1/011 “Introducing and Harmonizing Standardized Quality Control Procedures for Radiation Technologies” (2012-2013), project RER/1/014 aims at facilitating the harmonization of selected national standards with the international standard ISO11137. In particular, through regular dosimetry intercomparison exercises for improved quality assurance and advanced training, the project will facilitate the implementation of product and process control measures, enforced by the EU and national laws and regulations, which in turn is essential for the successful and safe operation of installations.

To this end, this workshop will serve to facilitate the assessment of uncertainty in dosimetry calculations, towards further harmonization of national standards with the upgraded ISO11137.

**Participation:**

The workshop is open to 15 participants from Member States in the TC Europe Region involved in the regional TC project RER/1/014. For this event, the target countries are those where radiation processing technologies are established or soon to be introduced, namely: Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Estonia, Georgia, Greece, Hungary, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Malta, Montenegro, Poland, Portugal, Republic of Moldova, Romania, Russian Federation, Serbia, Slovakia,

Slovenia, Tajikistan, The former Yugoslav Republic of Macedonia, Turkey, Ukraine and Uzbekistan.

**Participants' Qualifications:**

The participants should be technical specialists (e.g., physicists/ engineers) with hands-on experience in radiation process control. First priority shall be given to those candidates who are working directly in the field of radiation processing technologies.

**Nomination Procedure:**

Please submit nominations to the IAEA online through the Technical Cooperation Department's InTouch system (<http://intouch.iaea.org>). Only if this is not possible, nominations may be submitted on the Nomination Form for Meeting/Workshop available on the IAEA website: <http://www.iaea.org/technicalcooperation/How-to-take-part/In-meetings-WS/index.html>. Completed forms should be endorsed by relevant national authorities and sent to the Programme Management Officer for this project, Ms Alessia Rodriguez y Baena (IAEA Official Fax: +43-1-26007 or E-Mail [Official.Mail@iaea.org](mailto:Official.Mail@iaea.org)), through the official channels, i.e. the designated National Liaison Office for IAEA matters, not later than **18 September 2015**.

**Administrative and Financial Arrangements:**

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

Selected participants from countries eligible to receive technical assistance will be provided with a round trip economy class air ticket from their home Budapest, Hungary, and a Daily Subsistence Allowance (DSA) at the prevailing UN Rate. Shipment of accumulated Workshop materials to the participants' home countries is not the responsibility of the IAEA.

The organizers of the workshop 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 workshop, and it is clearly understood that each Government, in nominating participants, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.