



Regional Workshop on the Status and Strengthening of the Profession of Radiation Therapist (RTT) in Radiation Oncology Services

Hosted by

The Government of Slovenia

through the

Institute of Oncology Ljubljana
Collaborating Centre – Anchor Centre for Rays of Hope

Ljubljana, Slovenia

14 to 17 December 2026

Ref. No.: ME-RER6047-2604538

Information Sheet

Purpose

The overall purpose of the workshop is to review and discuss the status, education and professional development of radiation therapists (RTTs) in the region, and to identify priority actions to strengthen their contribution to safe, high-quality and technologically advanced radiation oncology services. The workshop will provide a regional platform to examine education and training needs, national recognition of the RTT profession, the role of RTTs in quality management, and their evolving responsibilities in the context of advanced radiotherapy technologies, digital innovation and artificial intelligence. Specific objectives include:

1. To review the current status of RTT education and training in participating Member States, including existing curricula, continuing professional development opportunities, competency requirements and gaps that may affect the safe and effective delivery of radiotherapy services.
2. To discuss the recognition of the RTT profession at national level, including professional titles, scopes of practice, regulatory frameworks and mechanisms that support appropriate integration of RTTs within the multidisciplinary radiation oncology team.
3. To examine the role of RTTs in quality management in radiation oncology and contribution to continuous quality improvement.
4. To consider the evolving role of RTTs in a changing clinical environment, particularly with the introduction of advanced radiotherapy techniques, image-guided and adaptive workflows, automation, digital tools and artificial intelligence in clinical practice.
5. To explore how structured education and training pathways can support career progression for RTTs, including advanced practice roles, specialization, leadership responsibilities, academic development and retention of skilled professionals.
6. To discuss the contribution of RTTs to advancing clinical practice through research, innovation, and evidence-based implementation of new technologies and patient-centred approaches.
7. To facilitate exchange of regional experience, challenges and good practices related to RTT professional development, and to identify opportunities for collaboration among education providers, professional bodies, clinical departments and national authorities.

To develop a set of priority regional recommendations and actions to strengthen RTT education, professional recognition, quality management competencies, and preparedness for advanced technologies and AI.

Working Language(s)

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

Deadline for Nominations

Nominations received after **25 September 2026** will not be considered.

Project Background

The Europe Regional Profile for the TC programme (TCP) identifies human health (specifically radiation medicine) as one of the main areas of activity for the region. The continuous technological development which supports the improvement of treatment results requires trained and competent professionals delivering efficient and high-quality radiotherapy. However, many countries lack national training programmes or continuing education for ROs, MPs and RTTs. Identifying the gaps in needs and resources and harmonizing and supporting the education and training of staff is a priority of the IAEA.

This workshop builds on almost four decades of IAEA efforts to strengthen education and training for radiation therapists (RTTs) in the region. In particular, it draws on the experience of the “Best Practice in Radiation Oncology: A Project to Train the Radiation Therapist Trainers”, which commenced in 2008 in

collaboration with ESTRO and supported RTTs and multidisciplinary teams in developing and delivering locally relevant education activities.

The original objective of these activities was to improve radiotherapy-specific content in RTT education programmes, particularly in Eastern and Central Europe and Central Asia, and to ensure that graduates are adequately prepared for the responsibilities required in modern radiotherapy departments. Over time, the initiative has demonstrated the value of empowering RTTs to contribute to education, clinical training, quality improvement and professional development within the multidisciplinary radiation oncology team.

Participating countries have made important progress in improving RTT education and training; however, the scope and scale of progress remain uneven across the region. In many settings, the challenges are not limited to education alone, but are linked to broader systemic issues, including limited national recognition of the RTT profession, outdated or unclear scopes of practice, insufficient opportunities for continuing professional development, and limited involvement of RTTs in formal quality management, research and innovation activities. In some countries, structured RTT education and training remain absent or underdeveloped, particularly where radiotherapy services face competing workforce, infrastructure and resource constraints.

At the same time, the clinical environment in radiation oncology is changing rapidly. The introduction of advanced radiotherapy technologies, image-guided and adaptive workflows, automation and artificial intelligence is expanding the competencies required of RTTs and increasing the need for structured, competency-based education and continuous professional development. These developments also create opportunities to strengthen RTT roles in quality and safety, advanced clinical practice, leadership, research and innovation, provided that education pathways, professional recognition and career progression mechanisms are appropriately aligned.

The regional workshop will provide the first dedicated regional forum to review the current status of the RTT profession in a comprehensive manner, including education and training, professional recognition, evolving scopes of practice, quality management responsibilities, career prospects, and the contribution of RTTs to research and innovation. The workshop is expected to result in a set of regional recommendations and priority actions to strengthen the RTT profession and support the safe, effective and sustainable implementation of advanced radiotherapy services.

The event will be hosted by the Institute of Oncology Ljubljana, a designated IAEA Collaborating Centre and Anchor Centre for the Rays of Hope initiative.

Scope and Nature

The workshop will be a face-to-face 4-day event with a mixture of presentations and discussions.

Major topics to cover:

- i) Current status of the RTT profession in participating Member States, including national education and training pathways, professional titles, scopes of practice, professional recognition, workforce development and integration of RTTs within multidisciplinary radiation oncology teams. Each participating country team will be requested to present a brief country status report using a template circulated in advance.
- ii) Education and training needs for RTTs in the region, with emphasis on implementation of IAEA competency-based curricula, clinical training and RT-relevant content of national training programmes.
- iii) Role of RTTs in quality management in radiation oncology and continuous quality improvement.
- iv) Evolving RTT roles in the changing clinical environment, including the introduction of advanced radiotherapy technologies, image-guided and adaptive radiotherapy, artificial intelligence and their implications for competencies, responsibilities and quality clinical implementation.
- v) Professional development and career pathways for RTTs, including strategies to support professional motivation and workforce sustainability.

Identification of recommendations and regional priority actions and opportunities for collaboration with professional societies, education providers, clinical departments, national authorities and international partners.

Participation

The event is open to up to three (3) participants per each Member State participating in RER6047. Participants must comply with the requested profile. Each country team will need to present on the status of RTT profession (a template will be circulated in advance of the event).

Participants' Qualifications and Experience

Participants should be radiation therapists (RTTs) with senior-level experience and responsibilities relevant to the objectives of the workshop. Priority will be given to senior RTTs involved in clinical training and supervision; RTT educators contributing to formal education programmes, curriculum development or continuing professional development; heads of RTT services or senior RTTs with workforce planning and managerial responsibilities; and RTTs with experience in strategic planning of national radiotherapy services. Nominees should have a good understanding of the current status of the RTT profession in their country and be able to contribute to discussions on education and training, professional recognition, scope of practice, career development, quality management, advanced radiotherapy technologies and innovation.

English-language proficiency is mandatory.

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. Download and complete the [Designation of Beneficiary and Emergency Contact Form](#), and upload to InTouch+ ('Profile' tab under the personal section) specifying the document name. If already provided, kindly discard this step; and
 - c. Search for the relevant technical cooperation event (EVT2604538) 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.

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 AX Travel Management, or a travel allowance, 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 event, 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.

IAEA Contacts

Programme Management Officer (responsible for substantive matters):

Ms Mayumi Yamamoto
Division for Europe
Department of Technical Cooperation
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA
Tel.: +43 1 2600 26306
Fax: +43 1 26007
Email: M.Yamamoto@iaea.org

Administrative Contact (responsible for administrative matters):

Ms Jeta Abazi
Division for Europe
Department of Technical Cooperation
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA
Tel.: +43 1 2600 24447
Fax: +43 1 26007
Email: J.Abazi@iaea.org