



# **Regional Workshop on Predisposal Options for Small Amount of Institutional Radioactive Waste**

**Hosted by**

The International Atomic Energy Agency  
IAEA Headquarters,

**Vienna, Austria**

**08 to 12 August 2022**

**RER/9/154: Enhancing the Implementation of Integrated Programmes for the Safe  
Management of Radioactive Waste**

**Ref. No.: ME-RER9154-2001495**

## **Information Sheet**

### **A. Purpose**

The primary objective of this regional workshop is to present the best practices and exchange experiences in the region on the practical steps needed to select appropriate and efficient technologies for the processing and storage options of relatively small volumes of radioactive waste from different nuclear applications. It aims to identify the most important aspects and current trends as well as those areas which need special consideration and further development.

It is expected that during the event will be highlighted and discussed the practical considerations for the selection of a particular waste management scheme, based on the critical review of the related technical and non-technical factors affecting this selection, and considering the radiological safety of workers, the public and protection of the environment.

### **B. Working Language(s)**

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

### **C. Deadline for Nominations**

Nominations received after **17 June 2022** will not be considered

## **D. Project Background**

Radioactive waste is generated in a broad range of activities involving the use of radioactive material in medicine, industry, agriculture, research and education. It is often termed institutional radioactive waste aiming to emphasise that this radioactive waste arises not from power generation. The amount of waste generated from these activities is often limited in volume and activity. Anyhow, specific factors should be considered while managing this waste as the types of facilities concerned and the arrangements for institutional radioactive waste management vary considerably. Furthermore, the types of radioactive waste differ from facility to facility. The nature of the institutional radioactive waste generated in the various activities also varies greatly. Institutional radioactive waste arises as a result of many activities, including research reactors, diagnostic, therapeutic and research applications in medicine; process control and measurement in industry; and numerous uses of radioactive material in agriculture, geological exploration, construction and other fields. The radioactive waste under consideration can be in solid, liquid or gaseous form. Their safe management including processing, storage and disposal must be considered in an integrated manner and on a case by case basis.

Processing of radioactive waste includes any operation that changes the characteristics of waste, including pre-treatment, treatment and conditioning. In the absence of a disposal facility or at least a clear strategy to develop such a facility, their processing could be questionable, while their safe storage until disposal facilities are available could be a better alternative. Storage of radioactive waste involves maintaining the radioactive waste such that retrievability is ensured and confinement, isolation, environmental protection and monitoring are provided during storage period. Sharing good operating practices of both processing and storage facilities are of significant importance for safe management of institutional radioactive waste. This workshop aims to provide a forum to Member State's representatives involved in institutional radioactive waste management, and enable collection and sharing of latest operational practice in processing and storage of institutional radioactive waste.

## **E. Expected Outputs**

The workshop is intended to share the operating practices and lessons learned in terms of institutional radioactive waste processing, or storage technologies and facilities. It aims to advise countries having small amount of radioactive waste from institutional applications, on how to effectively create an infrastructure for their safe management. An important output is also that participants will gain a better understanding of the most important aspects and current trends of waste management, as well as those areas which need special consideration and further development.

## **F. Scope and Nature**

The five-day workshop will include overview lectures on the basic aspects of the radioactive waste management, the specific steps to be considered with the waste streams and inventories, the pre-requisites for planning and building a comprehensive radwaste waste management system. Relevant case-studies and practical exercises will be followed by Q&A sessions to create an open forum for exchanges and debates.

The workshop will also include participant's presentations outlining Member State experience and issues to emphasize the current status of radioactive waste management infrastructure as well as the planning aspects in their countries (as required under H section).

## G. Participation

This workshop is open to Member States who are participating in the **RER9154** project: Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Estonia, Georgia, Greece, Hungary, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Malta, Montenegro, North Macedonia, Poland, Portugal, Republic of Moldova, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Tajikistan, Turkey, Turkmenistan, Ukraine, and Uzbekistan.

## H. Participants' Qualifications and Experience

This workshop is targeted at operators, regulators and decision makers who are managing LILW in both pre-disposal and disposal stages. Preference will be given to candidates having direct involvement in operation of radwaste management facilities, or in regulatory oversight of them, as well as to professionals involved in developing strategies for safe and sustainable radioactive waste management.

Participants must be nominated by the competent National Authority of the Member State and, most specifically, by the Member States' official counterpart for the project.

Please note that participants will be expected to prepare presentations and share information outlining their experience regarding the status of the radioactive waste management system, highlighting the challenges and issues faced. These presentations shall be sent to the workshop Scientific Secretary – Ms Felicia Dragolici ([F.N.Dragolici@iaea.org](mailto:F.N.Dragolici@iaea.org)) prior to the workshop start date and will have to respect the following guidelines.

Length: the presentations should not exceed 15 slides.

Contents: the presentations should cover:

- i. Generic aspects of country policies and strategies;
- ii. Sources, types and quantities of institutional radioactive waste;
- iii. Inventory and characterisation aspects;
- iv. Waste minimization, clearance, reuse and recycle;
- v. Processing technologies and facilities (existing/planned);
- vi. Storage and/or disposal facilities for institutional radioactive waste (existing/planned);
- vii. Preservation of relevant information (record keeping);
- viii. Research and development works, if any;
- ix. Collaboration, integration and stakeholder aspects;
- x. Challenges to be addressed at national level and areas where technical support is needed.

# I. 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 (EVT2001495) 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.

## **J. 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.

## **K. 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.

## **L 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 Katherina Deufrains**

Division for Europe  
Department of Technical Cooperation  
International Atomic Energy Agency  
Vienna International Centre  
PO Box 100  
1400 VIENNA  
AUSTRIA  
Tel.: +43 1 2600 26647  
Fax: +43 1 26007  
Email: [K.L.Deufrains@iaea.org](mailto:K.L.Deufrains@iaea.org)

Technical Officer (responsible for technical matters):

**Ms Felicia Nicoleta Dragolici**

Division of Nuclear Fuel Cycle and Waste Technology  
International Atomic Energy Agency  
Vienna International Centre  
PO Box 100  
1400 VIENNA  
AUSTRIA  
Tel.: +43 1 2600 26097  
Fax: +43 1 26007  
Email: [F.N.Dragolici@iaea.org](mailto:F.N.Dragolici@iaea.org)

Administrative Contact (responsible for administrative matters):

**Mr Yann Bru**

Division for Europe  
Department of Technical Cooperation  
International Atomic Energy Agency  
Vienna International Centre  
PO Box 100  
1400 VIENNA  
AUSTRIA  
Tel.: +43 1 2600 25804  
Fax: +43 1 26007  
Email: [Y.Bru@iaea.org](mailto:Y.Bru@iaea.org)