



# IAEA

*Átomos para la paz y el desarrollo*

الوكالة الدولية للطاقة الذرية

国际原子能机构

International Atomic Energy Agency

Agence internationale de l'énergie atomique

Международное агентство по атомной энергии

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In reply please refer to: **EVT2205305**

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La Secretaría del Organismo Internacional de Energía Atómica (OIEA) saluda a los Estados Miembros del OIEA y tiene el honor de señalar a su atención la celebración de la **Reunión Técnica sobre la Iniciativa Mundial de Gestión del Radio 226** (denominada en adelante el “evento”), que tendrá lugar en la Sede del OIEA en Viena (Austria) del **5 al 9 de junio de 2023**.

Además, se podrá participar en el evento de forma virtual a través de Cisco Webex.

La finalidad del evento es analizar el estado de ejecución de la Iniciativa Mundial de Gestión del Radio 226. Los puntos de contacto nombrados por los Estados Miembros que participan en esta iniciativa examinarán el inventario de sus fuentes antiguas de radio 226 y las capacidades para reciclarlas en los Estados Miembros receptores. El evento también brindará una oportunidad para examinar la eficacia de la plataforma establecida en lo que respecta a facilitar el intercambio de información entre los Estados Miembros poseedores de fuentes antiguas de radio 226 y los Estados Miembros con capacidades e instalaciones de reciclaje adecuadas. También se abordarán los desafíos y las experiencias prácticas en materia de embalaje y transporte de fuentes de radio 226.

El evento se celebrará en inglés.

Se invita a los Estados Miembros a designar a una o más personas para que participen en este evento y se los alienta encarecidamente a seleccionar con ese fin a mujeres.

Por lo general, el OIEA no está en condiciones de sufragar los gastos de viaje ni de otra índole de los participantes en el evento. No obstante, dispone de fondos limitados para ayudar a cubrir los gastos de asistencia de determinados participantes. Esa ayuda puede ofrecerse normalmente, previa solicitud expresa, a un participante por país siempre que, en opinión del OIEA, la persona para la que se solicite pueda hacer una contribución importante al evento. La solicitud de apoyo financiero debe presentarse en el momento de la designación de los participantes mediante el formulario de solicitud de subvención adjunto (Formulario C).

Cabe señalar que el OIEA no paga ninguna indemnización por daños o pérdida de efectos personales. Tampoco proporciona seguro médico a los participantes en eventos del OIEA. Por lo tanto, se recomienda que estas personas adopten las medidas necesarias para contratar por su cuenta un seguro privado. No obstante, el OIEA cubrirá mediante un seguro los accidentes y las enfermedades claramente relacionados con los servicios prestados al OIEA.

Las designaciones deben presentarse al OIEA por conducto de la autoridad nacional competente (el Ministerio de Relaciones Exteriores, la Misión Permanente ante el OIEA o la Autoridad Nacional de Energía Atómica), a más tardar el **10 de marzo de 2023**, por medio del formulario de participación adjunto (Formulario A). Los formularios de participación debidamente cumplimentados y autorizados deben enviarse por correo electrónico a la dirección [Official.Mail@iaea.org](mailto:Official.Mail@iaea.org) o por fax al número: +43 1 26007 (no se precisan copias impresas). Asimismo, han de enviarse copias por correo electrónico al Secretario Científico del evento, Sr. Juan Carlos Benítez Navarro, División del Ciclo del Combustible Nuclear y de Tecnología de los Desechos, Departamento de Energía Nuclear (correo electrónico: [J.C.Benitez-Navarro@iaea.org](mailto:J.C.Benitez-Navarro@iaea.org)), y a la Secretaria Administrativa, Sra. Sharon Garcia (correo electrónico: [Sh.Garcia@iaea.org](mailto:Sh.Garcia@iaea.org)). Una vez recibidas las designaciones oficiales, el Secretario Científico del evento contactará directamente a los participantes en relación con otras cuestiones de organización, como los detalles del viaje, según proceda.

En caso de que los Gobiernos desearan, además, nombrar a uno o más observadores para que prestasen asistencia y asesoramiento a los participantes designados, se les ruega que comuniquen al OIEA el nombre y las señas de esos observadores a más tardar en la fecha antes indicada. De conformidad con las normas establecidas, corresponde a los Gobiernos sufragar los gastos de asistencia de los observadores que envíen a los eventos del OIEA. Este no paga ninguna indemnización por daños o pérdida de efectos personales de los observadores, ni por enfermedad, lesión o fallecimiento durante los viajes o en relación con su asistencia a los eventos del OIEA.

El OIEA no se hace responsable de virus informáticos, gusanos, troyanos, puertas traseras, temporizadores, relojes, contadores o cualquier otra rutina, instrucción o diseño que limiten el funcionamiento, u otro código no solicitado malicioso, ilícito o similar, incluidos programas de vigilancia o rutinas que puedan permitir a cualquier persona el acceso, que estén diseñados con ese fin, o que accedan por iniciativa propia, con el objetivo de borrar, o dañar o modificar de cualquier otro modo datos o sistemas, servidores, instalaciones u otra infraestructura del usuario final (colectivamente, “código inhabilitante”). Asimismo, el proveedor de los servicios para la reunión virtual ha asegurado y garantizado que los Servicios no contendrán, ni ningún usuario final recibirá del programa informático empleado para celebrar la reunión virtual, ninguno de estos códigos inhabilitantes.

La Secretaría del Organismo Internacional de Energía Atómica aprovecha esta oportunidad para reiterar a los Estados Miembros del OIEA el testimonio de su distinguida consideración.



2 de febrero de 2023

Documentación adjunta (en inglés únicamente):

Reseña informativa

Formulario de participación (Formulario A)

Formulario de presentación de memorias (Formulario B)

Formulario de solicitud de subvención (Formulario C)



# **Technical Meeting on the Global Radium-226 Management Initiative**

**IAEA Headquarters, Vienna, Austria**  
and virtual participation via Cisco WebEx

**June 5 – 9, 2023**

**Ref. No.: EVT2205305**

## **Information Sheet**

### **Introduction**

Sealed radioactive sources (SRSs) are used extensively in industry, medicine, agriculture, and various research areas. A radioactive source that is no longer in use, or not intended to be used, for the practice for which an authorization has been granted, is deemed as disused. These Disused Sealed Radioactive Sources (DSRS) must be properly managed to ensure that the whole life cycle is safe and secure, as cost effective, and the impact to the environmental is minimized.

Paragraph 14 of the IAEA Code of Conduct on the Safety and Security of Radioactive Sources specifies that “every State should encourage the reuse or recycling of radioactive sources, when practicable and consistent with considerations of safety and security”.

Many Member States have legacy stocks of  $^{226}\text{Ra}$ , which may present a long-term management challenge for some of them. The IAEA understands this challenge presented by long-lived radionuclides and continues to seek suitable solutions for the stored legacy  $^{226}\text{Ra}$ . Conversely, the Secretariat notes that several Member States may have a use for such legacy  $^{226}\text{Ra}$  stocks, particularly, in the field of targeted alpha therapy in nuclear medicine. The treatment of cancer cells through the application of radiotracers with Actinium-225 shows very promising results and using  $^{226}\text{Ra}$  as a feedstock material is an effective production route for the Actinium.

In light of the above, the Secretariat is coordinating an activity focussing on  $^{226}\text{Ra}$  recycling referred as the “Global Radium-226 Management Initiative”. In the frame of this initiative a platform to facilitate information exchange between Member States possessing legacy  $^{226}\text{Ra}$  sources and Member States with

capabilities and suitable recycling facilities has been established. In this context, the Secretariat notes that it stands ready to assist the safe and secure transport of  $^{226}\text{Ra}$  sources from its holder to the recipient Member State.

Over 45 Member States are participating in the initiative as holders of legacy  $^{226}\text{Ra}$ . A dozen of Member States have expressed interest in receiving and recycling the disused  $^{226}\text{Ra}$  sources. Coordination between  $^{226}\text{Ra}$  holders and recipients has successfully started. Bilateral discussions on the  $^{226}\text{Ra}$  inventories, current conditions of the  $^{226}\text{Ra}$  sources, expected packaging and transport operations, as well as safety, security, administrative and legal considerations are ongoing at this stage.

## **Objectives**

The Technical Meeting will review the implementation status of the Global Radium-226 Management Initiative. The Contact Points appointed by Member States participating in this initiative will discuss their inventory of legacy Radium-226 sources and the capabilities for recycling these sources in recipient Member States. It will also provide an opportunity to discuss the effectiveness of the platform established to facilitate information exchange between Member States possessing legacy Radium-226 sources and Member States with capabilities and suitable recycling facilities. Challenges and practical experiences in packaging and transporting Radium-226 sources will also be discussed.

## **Target Audience**

The target groups are appointed contact points in Member States to the “Global Radium-226 Management Initiative”, users of radioactive sources in position of legacy  $^{226}\text{Ra}$  DSRS, radioactive waste operators, national regulators, sealed source recyclers, and decision-makers at government level. The participants should have a thorough knowledge of the administrative and technical infrastructure to support the DSRS recycling programs. Participants are requested to prepare a brief presentation on experiences in the implementation of DSRS recycling activities, either as holder or recipient of DSRS.

## **Working Language(s)**

English.

## **Participation and Registration**

All persons wishing to participate in the event have to be designated by an IAEA Member State or should be members of organizations that have been invited to attend.

In order to be designated by an IAEA Member State, participants are requested to send the **Participation Form (Form A)** to their competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) for onward transmission to the IAEA by **10 March 2023**. Participants who are members of an organization invited to attend are requested to send the **Participation Form (Form A)** through their organization to the IAEA by the above deadline.

Selected participants will be informed in due course on the procedures to be followed with regard to administrative and financial matters.

Participants are hereby informed that the personal data they submit will be processed in line with the [Agency's Personal Data and Privacy Policy](#) and is collected solely for the purpose(s) of reviewing and assessing the application and to complete logistical arrangements where required. The IAEA may also use the contact details of Applicants to inform them of the IAEA's scientific and technical publications, or the latest employment opportunities and current open vacancies at the IAEA. These secondary purposes are consistent with the IAEA's mandate.

## Presentations

The IAEA encourages participants to give presentations on the work of their respective institutions that falls under the topics listed above.

Participants who wish to give presentations are requested to submit an abstract of their work. The abstract will be reviewed as part of the selection process for presentations. The abstract should be in A4 page format, should extend to no more than three pages (including figures and tables). It should be sent electronically to Mr Juan Carlos Benitez Navarro, the Scientific Secretary of the event (see contact details below), not later than **10 March 2023**. Authors will be notified of the acceptance of their proposed presentations by **31 March 2023**.

In addition, participants have to submit the abstract together with the **Participation Form (Form A) and the attached Form for Submission of a Paper (Form B)]** to their competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) or their organization for onward transmission to the IAEA not later than **10 March 2023**.

## Expenditures and Grants

No registration fee is charged to participants.

The IAEA is generally not in a position to bear the travel and other costs of participants in the event. The IAEA has, however, limited funds at its disposal to help meet the cost of attendance of certain participants. Upon specific request, such assistance may be offered to normally one participant per country, provided that, in the IAEA's view, the participant will make an important contribution to the event

The application for financial support should be made using the **Grant Application Form (Form C)**, which has to be stamped, signed and submitted by the competent national authority to the IAEA together with the **Participation Form (Form A)** by **10 March 2023**.

## Venue

The event will be held at the Vienna International Centre (VIC), where the IAEA's Headquarters are located. Participants must make their own travel and accommodation arrangements.

General information on the VIC and other practical details, such as a list of hotels offering a reduced rate for IAEA participants, are listed on the following IAEA web page:

[www.iaea.org/events](http://www.iaea.org/events).

Participants are advised to arrive at Checkpoint 1/Gate 1 of the VIC one hour before the start of the event on the first day in order to allow for timely registration. Participants will need to present an official photo identification document in order to be admitted to the VIC premises.

## Visas

Participants who require a visa to enter Austria should submit the necessary application to the nearest diplomatic or consular representative of Austria at least four weeks before they travel to Austria. Since Austria is a Schengen State, persons requiring a visa will have to apply for a Schengen visa. In States where Austria has no diplomatic mission, visas can be obtained from the consular authority of a Schengen Partner State representing Austria in the country in question.

## IAEA Contacts

### Scientific Secretary:

#### **Mr Juan Carlos Benitez Navarro**

Division of Nuclear Fuel Cycle and Waste Technology

Department of Nuclear Energy

International Atomic Energy Agency

Vienna International Centre

PO Box 100

1400 VIENNA

AUSTRIA

Tel.: +43 1 2600 22673

Fax: +43 1 26007

Email: [J.C.Benitez-Navarro@iaea.org](mailto:J.C.Benitez-Navarro@iaea.org)

**Administrative Secretary:**

**Ms Sharon Garcia**

Division of Nuclear Fuel Cycle and Waste Technology  
Department of Nuclear Energy  
International Atomic Energy Agency  
Vienna International Centre  
PO Box 100  
1400 VIENNA  
AUSTRIA

Tel.: +43 1 2600 24544

Fax: +43 1 26007

Email: [sh.garcia@iaea.org](mailto:sh.garcia@iaea.org)

Subsequent correspondence on scientific matters should be sent to the Scientific Secretary/Secretaries and correspondence on other matters related to the event to the Administrative Secretary.





# Participation Form

## Technical Meeting on the Global Radium-226 Management Initiative

IAEA Headquarters Vienna, Austria and virtual participation via Cisco Webex

**5 - 9 June 2023**

To be completed by the participant and sent to the competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA, or National Atomic Energy Authority) of his/her country for subsequent transmission to the International Atomic Energy Agency (IAEA) either by email to: [Official.Mail@iaea.org](mailto:Official.Mail@iaea.org) or by fax to: +43 1 26007 (no hard copies needed). Please also send a copy by email to the Scientific Secretary [J.C.Benitez-Navarro@iaea.org](mailto:J.C.Benitez-Navarro@iaea.org) and to the Administrative Secretary [Sh.Garcia@iaea.org](mailto:Sh.Garcia@iaea.org).

**Deadline for receipt by IAEA through official channels: 10 March 2023**

Family name(s): (same as in passport)	First name(s): (same as in passport)	Mr/Ms
Institution:		
Full address:		
Tel. (Fax):		
Email:		
Nationality:	Representing following Member State/non-Member State/entity or invited organization:	
If/as applicable:		
Do you intend to submit a paper?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Would you prefer to present your paper as a poster?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Title:		
I plan to attend virtually:	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Participants are hereby informed that the personal data they submit will be processed in line with the [Agency's Personal Data and Privacy Policy](#) and is collected solely for the purpose(s) of reviewing and assessing the application and to complete logistical arrangements where required. The IAEA may also use the contact details of Applicants to inform them of the IAEA's scientific and technical publications, or the latest employment opportunities and current open vacancies at the IAEA. These secondary purposes are consistent with the IAEA's mandate.



# Form for Submission of a Paper

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**Deadline for receipt by IAEA through official channels: 10 March 2023**

Title of the paper:		
If applicable: Abstract ID in IAEA-INDICO:		
Family name(s) and first name(s) of all author(s) (same as in passport(s):	Scientific establishment(s) in which the work has been carried out	City/Country
1.		
2.		
3.		
Family name(s) and first name(s) of author presenting the paper (same as in passport):	Mr/Ms:	
Mailing address:		
Tel. (Fax):		
Email:		
I plan to attend virtually: Yes <input type="checkbox"/> No <input type="checkbox"/>		

I hereby agree to assign to the International Atomic Energy Agency (IAEA):

- the copyright; or
- the non-exclusive, worldwide, free-of-charge licence (this option is only for those authors whose parent institution does not allow them to transfer the copyright for work carried out in that institution) granting the IAEA world rights for the use of the aforementioned material in this and any future editions of the publication, in all languages, and in all formats available now, or to be developed in the future (digital formats, hard copy etc.).

**Please note:** If granting the licence mentioned above, please supply any copyright acknowledgement text required.

Furthermore, I herewith declare:

- that the material submitted to the IAEA is original, except for such excerpts from copyrighted works as may be included with the permission of the copyright holders thereof, has been written by the stated authors, has not been published before, and is not under consideration for publication by another entity;
- that any permissions and rights to publish required for third-party content, including but not limited to figures and tables, have been obtained, that all published material is correctly referenced; and
- that the material submitted to the IAEA does not contain any libellous or other unlawful statements and does not contain any materials that violate any personal or proprietary rights of any person or entity.

**Date:**

**Signature of main author:**

# Grant Application Form

## Technical Meeting on the Global Radium-226 Management Initiative

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5 - 9 June 2023

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Family name(s): (same as in passport)	First name(s): (same as in passport)	Mr/Ms:
Mailing address:	Tel.:	
	Fax:	
	Email:	
Date of birth (yy/mm/dd):	Nationality:	
I plan to attend virtually:	Yes <input type="checkbox"/> No <input type="checkbox"/>	

### 1. Education (post-secondary):

Name and place of institution	Field of study	Diploma or Degree	Years attended from	to

### 2. Recent employment record (starting with your present post):

Name and place of employer/ organization	Title of your position	Type of work	Years worked from	to

### 3. Description of work performed over the last three years:

### 4. Institute's/Member State's programme in field of event:

Date: Signature of applicant: \_\_\_\_\_

Date: Name, signature and stamp of Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority \_\_\_\_\_