



**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

Organismo Internacional de Energía Atómica

Vienna International Centre, PO Box 100, 1400 Vienna, Austria

Phone: (+43 1) 2600 • Fax: (+43 1) 26007

Email: [Official.Mail@iaea.org](mailto:Official.Mail@iaea.org) • Internet: <https://www.iaea.org>

In reply please refer to: **EVT2103398**

Dial directly to extension: (+43 1) 2600-22491

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 Protección Radiológica en Procedimientos Intervencionistas Guiados por Fluoroscopia**, que tendrá lugar en la Sede del OIEA en Viena (Austria) del **7 al 9 de marzo de 2022**.

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

La finalidad del evento es examinar las orientaciones vigentes y los recursos actuales para la prevención y la gestión de las exposiciones médicas involuntarias en procedimientos intervencionistas guiados por fluoroscopia; evaluar el estado del sistema de notificación Seguridad en los Procedimientos Radiológicos (SAFRAD) del OIEA; determinar cualquier necesidad en términos de desarrollo, y examinar nuevos aspectos de la protección radiológica ocupacional en este ámbito.

En la reseña informativa adjunta se ofrecen más detalles sobre el evento.

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 en representación de su Gobierno y se los alienta encarecidamente a que seleccionen con ese fin a mujeres calificadas.

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 del participante 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 **21 de enero de 2022**, 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 a la Secretaria Científica del evento, Sra. Jenia Vassileva, División de Seguridad Radiológica, del Transporte y de los Desechos, Departamento de Seguridad Nuclear Tecnológica y Física (correo electrónico: [J.Vassileva@iaea.org](mailto:J.Vassileva@iaea.org)), y a la Secretaria Administrativa, Sra. Janine Louise Foran (correo electrónico: [J.L.Foran@iaea.org](mailto:J.L.Foran@iaea.org)). Una vez recibidas las designaciones oficiales, la Secretaria Científica del evento contactará directamente a los participantes en relación con otras cuestiones de organización, como los detalles del viaje, según proceda.

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.



16 de diciembre de 2021

Documentación adjunta (en inglés únicamente):

Reseña informativa

Formulario de participación (Formulario A)

Formulario de solicitud de subvención (Formulario C)



# Technical Meeting on Radiation Protection in Fluoroscopically Guided Interventional Procedures.

IAEA Headquarters  
Vienna, Austria

7 - 9 March 2022

Ref. No.: EVT2103398

## Information Sheet

### Introduction

Fluoroscopically guided interventional (FGI) procedures provide an excellent alternative to many surgical interventions. These procedures are increasingly performed by physicians of different medical and surgical specialties who do not always have sufficient training in technology and radiation protection. The increase of variety, frequency and complexity of these procedures pose many challenges for radiation protection of patients and medical staff, including risks of tissue reactions such as skin injuries and eye lens opacities, as well as elevated stochastic risks from these relatively higher dose procedures.

The International Basic Safety Standards, published in the [IAEA Safety Standards Series No. GSR Part 3](#), set the basic principles for ensuring radiation protection of patients and staff in FGI procedures. Guidance for their practical implementation is provided in the [IAEA Safety Guide SSG-46](#), and further resources, including training and information material, are provided by the IAEA through the specialised website on [Radiation Protection of Patients](#). Other international organizations and professional bodies also provide guidance and training resources for radiation protection.

The IAEA established two international online databases relevant to facilities performing FGI procedures. The online system [Safety in Radiological Procedures \(SAFRAD\)](#) is for reporting cases of patient exposure exceeding defined trigger levels. Using SAFRAD, interventional facilities will learn how to set their own follow-up programme for patients with higher dose to timely detect skin injuries and improve safety and quality of service. The module on interventional cardiology (IC) in the [Information System on Occupational Exposure in Medicine, Industry and Research \(ISEMIR\)](#) was created in

response to the concern of higher doses of staff in interventional procedures, and especially those performed in cardiology.

Since the establishment of SAFRAD and ISEMIR-IC, technologies developed rapidly, including better standardization of patient dose reporting with the DICOM Radiation Dose Structured Report (RDSR), improved assessment of patient skin doses, including software tools for real time or post-procedure skin dose maps, as well as improved developments in staff dosimetry through active and passive dosimeters and software tools. Also, automatic radiation exposure monitoring systems have become available in many clinics around the world, including national automatic dose index registries. These and other ongoing developments provide more opportunities for using this information on a global level for improving radiation protection and the need further consideration.

## **Objectives**

The meeting has the following objectives:

- To review existing guidance, information and training resources for the optimization of radiation protection of patients and staff and for prevention and management of unintended medical exposures and identify a need for additional resources in response to the new aspects of radiation protection in FGI procedures;
- To inform participants of the preparation of a new IAEA-coordinated international study of patient doses and tissue effects from FGI procedures and increase participation; and
- To evaluate the status of the reporting and learning systems SAFRAD and ISEMIR-IC and their further development and promotion of their use for benchmarking and learning from best practices around the world and thus improving patient and staff radiation protection.

## **Target Audience**

Participants should preferably be health professionals (interventionalists, medical physicists or technologists) representing interventional facilities registered in SAFRAD and/or ISEMIR-IC. Prior to the meeting, participants will be asked to express interest for participation in the IAEA-coordinated international study of patient doses and tissue effects from FGI by responding to an online survey.

## **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 **21 January 2022**. 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 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. Further information can be found in the [Data Processing Notice](#) concerning IAEA InTouch+ platform.

## 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 **21 January 2022**.

## 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:  
<https://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.

In addition, the event will allow for virtual participation via Cisco Webex.

## **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.

## **Organization**

### **Scientific Secretary**

#### **Ms Jenia Vassileva**

Division of Radiation, Transport and Waste Safety  
Department of Nuclear Safety and Security  
International Atomic Energy Agency  
Vienna International Centre  
PO Box 100  
1400 VIENNA  
AUSTRIA

Tel.: +43 1 2600 22491

Fax: +43 1 26007

Email: [J.Vassileva@iaea.org](mailto:J.Vassileva@iaea.org)

### **Administrative Secretary**

#### **Ms Janine Louise Foran**

Division of Radiation, Transport and Waste Safety  
Department of Nuclear Safety and Security  
International Atomic Energy Agency  
Vienna International Centre  
PO Box 100  
1400 VIENNA  
AUSTRIA

Tel.: +43 1 2600

Fax: +43 1 26007

Email: [J.L.FORAN@iaea.org](mailto:J.L.FORAN@iaea.org)

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





# Participation Form

## Technical Meeting on Radiation Protection in Fluoroscopically Guided Interventional Procedures.

**IAEA Headquarters, Vienna, Austria**

**7 to 9 March 2022**

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, Ms Jenia Vassileva, Division of Radiation, Transport and Waste Safety, Department of Nuclear Safety and Security (Email: [J.Vassileva@iaea.org](mailto:J.Vassileva@iaea.org)) and to the Administrative Secretary, Ms Janine Louise Foran, (Email: [J.L.FORAN@iaea.org](mailto:J.L.FORAN@iaea.org)).

Participants who are members of an invited organization can submit this form to their organization for subsequent transmission to the IAEA.

### Deadline for receipt by IAEA through official channels: 21 January 2022

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:	
Is your facility registered in:		
SAFRAD	Yes	No
ISEMIR-IC	Yes	No
Is your facility interested to participate in the IAEA-coordinated international study of patient doses and tissue effects from FGI?		
	Yes	No

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. Further information can be found in the [Data Processing Notice](#) concerning IAEA InTouch+ platform.



# Grant Application Form

## Technical Meeting on Radiation Protection in Fluoroscopically Guided Interventional Procedures.

IAEA Headquarters, Vienna, Austria

7 to 9 March 2022

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, Ms Jenia Vassileva, Division of Radiation, Transport and Waste Safety, Department of Nuclear Safety and Security (Email: [J.Vassileva@iaea.org](mailto:J.Vassileva@iaea.org)) and to the Administrative Secretary, Ms Janine Louise Foran, (Email: [J.L.FORAN@iaea.org](mailto:J.L.FORAN@iaea.org)).

**Deadline for receipt by IAEA through official channels: 21 January 2022**

Family name(s): (same as in passport)		First name(s): (same as in passport)		Mr/Ms:	
Mailing address:			Tel.:		
			Fax:		
			Email:		
Date of birth (yyyy/mm/dd):			Nationality:		
<b>1. Education (post-secondary):</b>					
Name and place of institution		Field of study	Diploma or Degree	Years attended from            to	
<b>2. Recent employment record (starting with your present post):</b>					
Name and place of employer/ organization		Title of your position	Type of work	Years attended 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**

\_\_\_\_\_