



Atoms for Peace and Development

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 • Internet: <https://www.iaea.org>

In reply please refer to: **EVT2102735**

Dial directly to extension: (+43 1) 2600-25823

The Secretariat of the International Atomic Energy Agency (IAEA) presents its compliments to the IAEA's Member States and has the honour to draw their attention to the **Technical Meeting on Safety, Security and Safeguards by Design for Small Modular Reactors** (hereinafter referred to as "event") to be held at the IAEA's Headquarters in Vienna, Austria from **1 to 3 June 2022**.

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

The purpose of the event is to provide the participants with a platform to share experiences in safety, security and safeguards by design for small modular reactors and their interfaces.

The attached Information Sheet provides further details of the event.

The event will be held in English.

Member States are invited to designate one or more participants to represent the Government at this event. Member States are strongly encouraged to identify suitable women 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 at the time of designating the participant(s) using the attached Grant Application Form (Form C).

It should be noted that compensation is not payable by the IAEA for any damage to or loss of personal property. The IAEA also does not provide health insurance coverage for participants in IAEA events. Arrangements for private insurance coverage on an individual basis should therefore be made. The IAEA will, however, provide insurance coverage for accidents and illnesses that clearly result from any work performed for the IAEA.

Designations should be submitted to the IAEA through the competent national authority (Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) not later than **23 March 2022** using the attached Participation Form (Form A). Completed and authorized Participation Forms should be sent either by email to: Official.Mail@iaea.org or by fax to: +43 1 26007 (no hard copies needed). Copies should be sent by email to the Scientific Secretary of the event, Mr Shahen Poghosyan, Division of Nuclear Installation Safety, Department of Nuclear Safety and Security (Email: S.Poghosyan@iaea.org) and to the Administrative Secretary, Ms Sanja Hadzic (Email: S.Hadzic@iaea.org). The Scientific Secretary of the event will liaise with the participants directly concerning further arrangements, including travel details, as appropriate, once the official designations have been received.

The IAEA takes no responsibility for, and the provider of the virtual meeting services has represented and warranted that the Services shall not contain, and that no end user shall receive from the software used to hold the virtual meeting, any virus, worm, trap door, back door, timer, clock, counter or other limiting routine, instruction or design, or other malicious, illicit or similar unrequested code, including surveillance software or routines which may, or is designed to, permit access by any person, or on its own, to erase, or otherwise harm or modify any data or any system, server, facility or other infrastructure of any end user (collectively, a “Disabling Code”).

The Secretariat of the International Atomic Energy Agency avails itself of this opportunity to renew to the IAEA’s Member States the assurances of its highest consideration.



2022-01-13

Enclosures: Information Sheet

Participation Form (Form A)

Grant Application Form (Form C)



IAEA

International Atomic Energy Agency

Atoms for Peace and Development

Technical Meeting on Safety, Security and Safeguards by Design for Small Modular Reactors

IAEA Headquarters, Vienna, Austria
and virtual participation via Cisco Webex

1–3 June 2021

Ref. No.: EVT2102735

Information Sheet

Introduction

Nuclear power will continue to be pursued by countries as a potential solution to cope with climate change and the need for a reliable energy source. In recent years, the Member States' spotlight has been shifting towards innovative reactor designs, such as small modular reactors (SMRs). Global interest in SMRs has increased due to their ability to meet the need for flexible power generation for a wider range of users and applications (e.g. electricity production, heating, desalination) while proposing a gradual deployment. Moreover, with the variety of benefits that SMRs offer, they also display an enhanced safety performance through inherent and passive safety features incorporated in the design.

Currently there are various SMR designs being developed in various countries. These reactors are in different stages of design and they are encompassing advanced and innovative technology solutions. While designs are evolving, the safety requirements for the design are being addressed in parallel with nuclear security related considerations. In addition, safeguards by design approach implies early consideration of international safeguards in the design process of nuclear reactors, allowing informed design choices that are the optimum confluence with safety and security factors. Novelty being introduced in SMRs are providing additional challenges, but also opportunities for safety, security and safeguards.

As many SMRs are still in the design stage, they present a unique opportunity to pursue a holistic approach taking into consideration the safety, security, and safeguards (3S) by design and their interfaces. Introduction of this concept in the early design process is beneficial for all stakeholders (e.g. regulators, designers, operators). The 3S by design concept represents an opportunity to reduce safety, security and safeguards risks already in design stage.

In light of the developments and interest in Member States, the IAEA is currently implementing a several topical activities aimed to elaborate on the safety, security, and safeguards interfaces, potential challenges and synergies. Special emphasis is being made on the Small Modular Reactors and introduction of the 3S concept in the design stage.

It is expected that discussions among different stakeholders regarding available experiences in analysing the safety, security and safeguards interfaces and their holistic consideration in the design are very beneficial in general and for new reactor technologies in particular.

Objectives

The objective of the event is to provide the platform for discussions on holistic consideration of safety, security and safeguards in reactor designs. It is expected that during the event the participants will have an opportunity to share opinions and experiences on safety, security and safeguards interfaces and particular examples of their consideration for existing and new nuclear reactors.

Special emphasis will be made on safety, security and safeguards by design for SMRs and on specific challenges and opportunities connected with the novelties in SMR technologies.

Target Audience

The event is targeted at professionals from reactor design organizations, operating organizations, nuclear regulatory authorities, technical support organizations and research institutions who are engaged in activities related to safety by design, security by design or safeguards by design.

Participation of professionals with specific experience on safety, security and safeguards interfaces and 3S holistic consideration in the design is specifically encouraged. Also participation of professionals with specific experience on SMR designs is highly encouraged.

The IAEA encourages participants to give presentations on the work of their respective institutions that falls under the topics listed above. This will significantly enhance the discussions and effectiveness of the meeting.

Working Language(s)

English.

Topics

The following topics are planned to be covered during the Technical Meeting:

- General approach to implement safety by design, security by design and safeguards by design.
- Considerations of safety, security and safeguards interfaces in reactor design, in general, and for the SMR designs, in particular.
- SMRs design novelties and their safety, security and safeguards considerations.
- Practical examples on holistic consideration of safety, security and safeguards by design (specific emphasis on SMRs).
- Potential challenges and synergies in terms of safety, security and safeguards for SMRs.

The IAEA encourages participants to provide presentations that fall under the topics listed above.

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 **23 March 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 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.

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 **23 March 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:

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 Secretaries:

Mr Shahen Poghosyan

Division of Nuclear Installation Safety
Department of Nuclear Safety and Security
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 25823

Fax: +43 1 26007

Email: S.Poghosyan@iaea.org

Mr Kristof Horvath

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

Tel.: +43 1 2600 24677

Fax: +43 1 26007

Email: K.Horvath@iaea.org

Mr Jorge Luis Hernandez

Division of Nuclear Installation Safety
Department of Nuclear Safety and Security
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 24568

Fax: +43 1 26007

Email: Jorge.Luis-Hernandez@iaea.org

Mr Jeremy Whitlock

Division of Concepts and Planning
Department of Safeguards
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 21808

Fax: +43 1 26007

Email: J.Whitlock@iaea.org

Administrative Secretary:

Ms Sanja Hadzic

Division of Nuclear Installation Safety
Department of Nuclear Safety and Security
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 25557

Fax: +43 1 26007

Email: S.Hadzic@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.

Event Web Page

Please visit the following IAEA web page regularly for new information regarding this event:

<https://www.iaea.org/events/evt2102735>

Participation Form

Technical Meeting on Safety, Security and Safeguards by Design for Small Modular Reactors

IAEA Headquarters Vienna, Austria and virtual participation via Cisco Webex

1–3 June 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 or by fax to: +43 1 26007 (no hard copies needed). Please also send a copy by email to the Scientific Secretary S.Poghosyan@iaea.org and to the Administrative Secretary S.Hadzic@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: 23 March 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:	
If/as applicable: Do you intend to submit a presentation? 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.

Grant Application Form

Technical Meeting on Safety, Security and Safeguards by Design for Small Modular Reactors

IAEA Headquarters, Vienna, Austria and virtual participation via Cisco Webex
 1–3 June 2022

To be completed by the applicant 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 or by fax to: +43 1 26007 (no hard copies needed). Please also send a copy by email to the Scientific Secretary S.Poghosyan@iaea.org and to the Administrative Secretary S.Hadzic@iaea.org.

Deadline for receipt by IAEA through official channels: 23 March 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 (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: _____

Page 2

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