



*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: EVT1904533

Dial directly to extension: (+43 1) 2600-22759

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 Fostering Innovation for the Sustainability of the Existing Fleet of Nuclear Power Reactors** (hereinafter referred to as "event"), which had to be postponed owing to the COVID-19 pandemic and will now be held in London, United Kingdom, from **18 to 21 July 2022**.

The purpose of the event is to support Member States in sustaining existing nuclear power plants. The participants will share experiences and explore opportunities to accelerate innovation to improve the competitiveness of these facilities and ensure the ongoing role of nuclear power plants in a transition to sustainable, clean energy systems of the future.

The attached Information Sheet provides further details of the event.

The event will be held in English.

Member States are informed that designations already received for this event will remain valid. Should Member States not have submitted any designations or wish to change their designation, they 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 **24 May 2022** using the attached Participation Form (Form A). Completed and authorized Participation Forms should be sent either by email to: [Official.Mail@iaea.org](mailto: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 Ed Bradley, Division of Nuclear Power, Department of Nuclear Energy (Email: [E.Bradley@iaea.org](mailto:E.Bradley@iaea.org)), and to the Administrative Secretary, Ms Tin Ling Loi (Email: [T.Loi@iaea.org](mailto:T.Loi@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 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.



2022-03-17

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 Fostering Innovation for the Sustainability of the Existing Fleet of Nuclear Power Reactors**

**Hosted by the  
Government of the United Kingdom**

**through the  
National Nuclear Laboratory**

**London, United Kingdom**

**18–21 July 2022**

**Ref. No.: EVT1904533**

## **Information Sheet**

### **Introduction**

Nuclear power is a vital element of the global electricity infrastructure. More than 390 GW(e) of nuclear capacity, from over 440 operating power reactors, generates approximately 10% of the world's electricity, contributes to a resilient and stable electric power grid, and helps address clean air and climate change goals. However, changes in the electricity infrastructure of many countries are challenging the economics of the current nuclear plant fleet. While other highly technical industries have successfully deployed innovative technology and process solutions to maintain or even enhance safety while reducing their costs the nuclear industry has been slow to fully embrace these opportunities.

The Global Forum for Nuclear Innovation focuses on accelerating deployment of innovative solutions to address the most urgent challenges facing the sustainability of the existing fleet of nuclear power reactors. The forum is organized by the Electric Power Research Institute (EPRI), the International

Atomic Energy Agency (IAEA), the OECD's Nuclear Energy Agency (OECD/NEA) and the National Nuclear Laboratory (NNL) in the UK. The first forum was organised in June 2019 and hosted by KHNP in the Republic of Korea. A second forum will be held in July 2022, hosted by the UK National Nuclear Laboratory (NNL) and EDF in London, United Kingdom.

This forum focuses on accelerating deployment of innovative solutions to address the most urgent challenges facing the sustainability of nuclear power generation. It brings together nuclear plant leaders, regulators, and technology providers from around the world in a collaborative environment and will build on each of the organizer's ongoing activities.

## **Objectives**

The purpose of the event is to support Member States in sustaining existing nuclear power plants. The participants will share experiences and explore opportunities to accelerate innovation to improve the competitiveness of these facilities and ensure the ongoing role of nuclear power plants in a transition to sustainable, clean energy systems of the future.

This event will run concurrent to the forum mentioned above, allowing participants to fully engage with all planned activities and discussions. In addition, the event will extend one day beyond the planned forum to facilitate engagement with staff of the EDF, Hinkley Point-C newbuild project and possibly other newbuild projects elsewhere. These discussions will explore lessons learned from newbuild projects and how innovative approaches to construction and project management are impacting those efforts.

## **Target Audience**

This event is being developed for the benefit of a diverse group of nuclear power plant stakeholders. Executive level decision makers interested to improve the economic competitiveness of their facilities; early career professionals with innovative ideas that could address challenges facing nuclear power organisations and newbuild project managers and engineers are all in the scope of targeted participants.

## **Working Language(s)**

The working language will be English.

## **Expected Outputs**

The event will produce a report capturing relevant discussions, decisions and agreed actions.

## 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 **24 May 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.

Please note that the IAEA is in a transition phase to manage the entire registration process for all regular programme events electronically through the new InTouch+ (<https://intouchplus.iaea.org>) facility, which is the improved and expanded successor to the InTouch platform that has been used in recent years for the IAEA's technical cooperation events. Through InTouch+, prospective participants will be able to apply for events and submit all required documents online. National authorities will be able to use InTouch+ to review and approve these applications. Interested parties that would like to use this new facility should write to: [InTouchPlus.Contact-Point@iaea.org](mailto:InTouchPlus.Contact-Point@iaea.org).

## 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 up to 2 participants per country, provided that, in the IAEA's view, the participant(s) 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 **24 May 2022**.

## Local Arrangements

The meeting will be held in London, United Kingdom and will start on Monday, 18 July 2022, at 9:30 a.m. and end on Thursday, 21 July 2022.

The meeting agenda, together with information on local arrangements, will be sent to the designated participants in due course.

The local representative of the host organization (NNL) will be Mr Rob Whittleston. The representative of EDF will be Mr Thomas Hughes.

Contact details:

**Mr Rob Whittleston**

Director, International Engagement, Security and  
Non-Proliferation  
National Nuclear Laboratory Limited  
5th Floor, Chadwick House  
Birchwood Park  
WARRINGTON, WA3 6AE  
UNITED KINGDOM  
Tel: +44 7725 878 267  
Email: [rob.whittleston@uknnl.com](mailto:rob.whittleston@uknnl.com)

**Mr Thomas Hughes**

Nuclear Safety Culture Lead  
EDF  
800 Park Avenue  
Aztec West Business Park  
Almondsbury  
BRISTOL, BS32 4SE  
UNITED KINGDOM  
Tel: +44 1278 472 306  
Email: [thomas.hughes@edf-energy.com](mailto:thomas.hughes@edf-energy.com)

## Visas

Participants who require a visa to enter the United Kingdom should submit the necessary application as soon as possible to the nearest diplomatic or consular representative of the United Kingdom.

## IAEA Contacts

**Scientific Secretary:**

**Mr Ed Bradley**

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

Tel.: +43 1 2600 22759  
Fax: +43 1 26007  
Email: [E.Bradley@iaea.org](mailto:E.Bradley@iaea.org)

**Administrative Secretary:**

**Ms Tin Ling Loi**

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

Tel.: +43 1 2600 22792  
Fax: +43 1 26007  
Email: [T.Loi@iaea.org](mailto:T.Loi@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 Fostering Innovation for the Sustainability of the Existing Fleet of Nuclear Power Reactors

London, United Kingdom

18–21 July 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 [E.Bradley@iaea.org](mailto:E.Bradley@iaea.org) and to the Administrative Secretary [T.Loi@iaea.org](mailto:T.Loi@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: 24 May 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 paper? Yes <input type="checkbox"/> No <input type="checkbox"/>		
Title:		

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 Fostering Innovation for the Sustainability of the Existing Fleet of Nuclear Power Reactors

London, United Kingdom

18–21 July 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](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 Secretaries [E.Bradley@iaea.org](mailto:E.Bradley@iaea.org) and to the Administrative Secretary [T.Loi@iaea.org](mailto:T.Loi@iaea.org).

**Deadline for receipt by IAEA through official channels: 24 May 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:	

### 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 \_\_\_\_\_