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International Atomic Energy Agency

Agence internationale de l'énergie atomique

Международное агентство по атомной энергии

Organismo Internacional de Energía Atómica

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In reply please refer to: **EVT1904072**

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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 **Training Workshop on the Assessment of the National Nuclear Infrastructure to Support a New Research Reactor Project** (hereinafter referred to as "event") to be held at the IAEA's Headquarters in Vienna, Austria, from **6 to 10 July 2020**.

The purpose of the event is to provide the participants with practical information on, and enhanced knowledge of, the IAEA-developed methodology for evaluating the state of development of national nuclear infrastructure in support of a new research reactor project, and to train them in the application of that methodology.

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 participants 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 **8 May 2020** 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 Andrey Sitnikov, Division of Nuclear Fuel Cycle and Waste Technology, Department of Nuclear Energy (Email: A.Sitnikov@iaea.org), and to the Administrative Secretary, Ms Sharon Garcia (Email: Sh.Garcia@iaea.org). The Scientific Secretary of the event will liaise with the participants directly concerning further arrangements, including travel details, as appropriate, once official designations have been received.

Should Governments wish, in addition, to appoint one or more observers to assist and advise the designated participants, they are kindly requested to inform the IAEA of the names and contact details of any such observers by the above date. In accordance with the established rules, Governments are expected to bear the cost of attendance of any observers they may send to IAEA events. Compensation is not payable by the IAEA for any damage to or loss of observers' personal property or for illness, injury or death occurring while travelling to or in connection with their attendance at IAEA events.

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.



2020-01-28

Enclosures:

- Information Sheet
- Participation Form (Form A)
- Form for Submission of a Paper (Form B)
- Grant Application Form (Form C)



Training Workshop on the Assessment of the National Nuclear Infrastructure to Support a New Research Reactor Project

**IAEA Headquarters
Vienna, Austria**

6–10 July 2020

Ref. No.: EVT1904072

Information Sheet

Introduction

The interest of International Atomic Energy Agency (IAEA) Member States in developing research reactor projects has grown significantly in recent years and currently several Member States are in different stages of new research reactor projects for the development of their nuclear science and technology programmes, including nuclear power.

To support Member States in such efforts, the IAEA, in 2012, published *Specific Considerations and Milestones for a Research Reactor Project* (IAEA Nuclear Energy Series No. NP-T-5.1), also known as the ‘Milestones’ publication for research reactors, which provides guidance on the timely preparation of a research reactor project through systematic development phases.

The publication provides a discussion of the mechanisms for justification of a research reactor, and for building stakeholder support. It covers the requirements for both the technical and safety infrastructure, as well as the development of qualified human resources needed for a research reactor. The publication is meant to be used in conjunction with Feasibility Study for a New Research Reactor Project (IAEA Nuclear Energy Series No NG-T-3.18, published in 2018 [12]), Code of Conduct on the Safety of Research Reactors [6], IAEA Safety Standards and other IAEA publications referenced therein. The guidance applies to all research reactor types and technologies, and therefore is not recommending a specific reactor type or technology or a specific design.

Objectives

The workshop is intended to provide participating Member States with practical information and knowledge relating to the application of *Specific Considerations and Milestones for a Research*

Reactor Project (IAEA Nuclear Energy Series No. NP-T-5.1), the establishment of the infrastructure for a new research reactor, relevant IAEA safety standards and other related IAEA publications.

The workshop also aims to provide a forum at which participants can share and discuss experiences, challenges and lessons learned in the development and implementation of new research reactor projects.

Target Audience

The workshop is intended for individuals from IAEA Member States that are building, or are considering building, a new research reactor. Participants should be representatives of the core team involved in and responsible for the new research reactor project, the future operating organization, governmental institutions, national safety and regulatory authorities, the research reactor users' community and other stakeholders.

Member States are strongly encouraged to identify suitable women participants.

Working Language

The working language of the workshop will be English. No interpretation will be provided.

Expected Outputs

The expected output of the meeting is a report based on the papers and presentations provided by the participants and on subsequent discussions. The report will:

- Provide an overview of the status of Member States' new research reactor projects;
- Collect and share experiences, challenges and lessons learned from the development and implementation new research reactor projects, including the development of the corresponding national infrastructure;
- Identify issues of common concern related to new research reactor projects and ways to address them, including with the IAEA assistance.

Structure

The meeting will consist of plenary sessions and group discussions to share and discuss experiences, challenges and lessons learned in the development and implementation of recent and ongoing new research reactor projects. Time will be allocated for the meeting participants to present the Member State experiences and needs.

The meeting will start at **9:30 on Monday, 6 July 2020**, and will be concluded by **12:00 on Friday, 10 July 2020**.

Topics

The following topics will be addressed and discussed during the workshop:

- The IAEA ‘Milestones Approach’ for the establishment of a research reactor project;
- National nuclear infrastructure requirements;
- Government commitment associated with the establishment of a research reactor project;
- Legislative and regulatory framework for nuclear safety;
- Safeguards and nuclear security considerations;
- Research reactor applications, justification and future utilization assessment, including methods and criteria to identify and quantify stakeholders’ and users’ needs;
- Considerations for on-site survey, selection and evaluation for research reactors;
- Feasibility study of a research reactor project, including all the information needed for making an informed decision on establishing a research reactor;
- Nuclear Infrastructure peer review missions for research reactors;
- Management system for nuclear facilities and activities;
- Human resources development for research reactors;
- Fuel cycle alternatives, including comparison of fuel options and spent fuel management issues;
- Emergency planning for research reactors; and
- Use of a graded approach in the application of the safety requirements for research reactors.

During the plenary session, participants will be asked to give presentations on the status of their new research reactor projects and to share their experiences in the development of national infrastructure and/or recently established research reactors. Participants need to provide in advance a summary of their presentations to be included in the final report of the workshop.

Participants’ working groups will be formed to share and discuss experiences, challenges and lessons learned, and to identify issues of common concern and possible ways to address them.

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 **8 May 2020**. 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.

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.

Papers and Presentations

The IAEA encourages participants to give presentations on the work of their respective institutions that falls under the topics listed in Section G 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 2 pages (including figures and tables) and should not exceed 2000 words. It should be sent electronically to A.Sitnikov@iaea.org, the Scientific Secretary of the event (see contact details in Section N below).

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 **8 May 2020**.

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 **8 May 2020**.

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

Mr Andrey Sitnikov

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Department of Nuclear Energy
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Vienna International Centre
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AUSTRIA

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Administrative Secretary

Ms Sharon Garcia

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Department of Nuclear Energy
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
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Email: Sh.Garcia@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

Training Workshop on the Assessment of the National Nuclear Infrastructure to Support a New Research Reactor Project

IAEA Headquarters, Vienna, Austria

6–10 July 2020

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 A.Sitnikov@iaea.org and to the Administrative Secretary Sh.Garcia@iaea.org.

Please attach a passport copy or other document of identification (ID).

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: 8 May 2020

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:		

Form for Submission of a Paper

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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: 8 May 2020

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:		

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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

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Family name: (e.g. Smith)	First name(s): (e.g. John)	Mr/Ms:
Mailing address:	Tel.:	
	Fax:	
	Email:	
Date of birth (yyyy/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
