



IAEA

International Atomic Energy Agency
Atoms for Peace and Development

Technical Meeting on the Management of Innovation Competencies for the Adoption of New Technologies

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

9-13 October 2023

Ref. No.: EVT2205455

Information Sheet

Introduction

The nuclear industry is adopting innovative technologies, through advanced designs and approaches currently being developed (examples listed below). While at the same time existing nuclear fleet is also installing technological upgrades to remain competitive and attractive. To accelerate the deployment of these new technologies in the nuclear industry, the identification of new competencies is key to provide Member States support to successfully implement and manage innovative technologies.

The input to launch this initiative stems from the following priorities and requirements:

- Four Prioritized Technological Innovations for the nuclear industry as outcome of the Global Forum 2019 on the Innovation for the Future of Nuclear Energy co-organized by IAEA:
 - Digital twinning;
 - Advanced manufacturing;
 - Artificial Intelligence;
 - Innovative information frameworks;
- Requests from Member States to give support in innovations competencies mapping for the nuclear workforce to accelerate the deployment of new technologies in the nuclear industry (GC 66);

- Management approaches influenced by new technological configurations on how digital-backed information is collected, processed, and used to make decisions in area of new reactors and/or SMRs.

Objectives

The purpose of the event is to provide a forum for the exchange of good practices, experience and information related to the effective use of innovation competencies for the adoption of new technologies in the nuclear industry.

Target Audience

The event is targeted at mid- and high-level managers, training staff, personnel of operating organizations, human resource specialists, vendor and contractor managers involved in training and innovation. The representatives of regulatory bodies and universities are a part of the target audience too.

International and non-governmental organizations such as WANO, WNA, INL, EPRI, INPO, NEI, OECD/NEA, nucleareurope, are also targeted as their activities to support plant operation and management are closely related to nuclear innovations and competence management.

Participants will be asked to discuss the topics listed above and make presentations on their experience, good practices and lessons learned in developing and achieving good performance in innovations management and new competence mapping. Therefore, they should be knowledgeable and experienced in industry-wide operational practices, rules and regulations, as well as in their implementation with respect to plant operation and management.

Participants will be also asked to provide perspectives on the structure and content of publication on Management of Innovation Competencies for the Adoption of New Technologies.

Working Language(s)

English.

Expected Outputs

The Technical Meeting will:

- Gather Member States' experience and current practice on the management of innovation competencies for the adoption of new technologies in the nuclear industry;

- Provide a platform for exchanging information and relevant lessons learned from Member State experience on various relating topics in nuclear organizations;
- Review the draft of the publication.

Expected outcomes are to gain:

- For the current nuclear fleet: identification of new competencies needed in existing job positions to accelerate the adoption of technological innovations to improve or optimize operation and maintenance in existing reactors;
- For the future new fleet of SMRs: the identification of new job positions, that will be created in the due to new technological designs. These new job positions will be developed as a set of tasks and competencies when needed;
- Mapping of new nuclear-related technological competencies to be included in the HRD programmes, in particular in the operations of a new fleet of SMRs;
- Better understanding of new management approaches with the extensive use of technologies in the operation of the new reactors. Identification of links between job positions, management systems and deployment models;
- Review on the structure and content of the draft publication on Management of Innovation Competencies for the Adoption of New Technologies.

Benefits of the expected outcomes:

- Support future innovation initiatives and activities to be launched or ongoing across Member States;
- Raise the awareness of the positive impact of innovations and competence mapping for the nuclear workforce to accelerate the deployment of new technologies.

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 **11 August 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.

Papers and 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 it electronically to Ms Romana Kvetonova, the Scientific Secretary of the event (see contact details below), not later than **15 September 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 **11 August 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.

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

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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.