IAEA
International Atomic Energy Agency
Atoms for Peace and Development

Regional Training Course on Practical Introduction to Nuclear Forensics

Hosted by the

Government of Hungary

through the

Hungarian Academy of Sciences; Centre for Energy Research

Budapest, Hungary

3 - 7 October 2022

Ref. No.: EVT2102633

Information Sheet

Introduction

This course is offered as part of the 2022 Nuclear Security Training Programme of the IAEA's Division of Nuclear Security, Department of Nuclear Safety and Security. This regional course was requested through the Integrated Nuclear Security Support Plan Programme. The course will further participants' awareness of analytical measurement supporting a national response plan, and will introduce current scientific methods for nuclear forensic analysis. The course will also allow participants to learn from internationally recognized experts about analytical measurements significance to the success of a nuclear forensic examination. By design, this course utilizes the capabilities residing at the IAEA Collaborating Centre in Nuclear Forensics of the Hungarian Centre for Energy Research to demonstrate current methods for laboratory analysis, and encourages scientist-to-scientist exchange between participants. The course will involve utilizing radioactive material in a controlled laboratory setting and will consist of laboratory exercises, demonstrations and tours, augmented by technical lectures. During the laboratory exercises the participants will apply course concepts.

Objectives

The objective of the course is to provide applied instruction on analytical measurements relevant to nuclear forensic examinations, including gamma ray spectrometry, scanning electron microscopy and

inductively coupled plasma mass spectrometry.

Target Audience

This training is designed for scientists familiar with inorganic laboratory instrumentation, and techniques and methods, including nuclear chemistry applicable to the conduct of a high confidence nuclear forensics examination. The participants should have professional knowledge and relevant experience in nondestructive and destructive analytical methods that can be applied to the examination of nuclear and radioactive material.

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 **12 August 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 **12 August 2022**.

Visas

Participants who require a visa to enter Hungary should submit the necessary application as soon as

possible to the nearest diplomatic or consular representative of Hungary.

Organization

Scientific Secretary

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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.