



Átomos para la paz y el desarrollo

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

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La Secretaría del Organismo Internacional de Energía Atómica (OIEA) saluda a los Estados Miembros del OIEA y tiene el honor de señalar a su atención la celebración de la **Reunión Técnica sobre Desarrollo de Materiales de Referencia de Isótopos Estables del OIEA y Productos Conexos**, (denominada en adelante el “evento”), que tendrá lugar de forma virtual a través de Microsoft Teams del **30 de agosto al 3 de septiembre de 2021**.

La finalidad del evento es examinar, junto con los representantes de los laboratorios colaboradores y los expertos en la materia, los requisitos metrológicos de los materiales de referencia de isótopos estables del OIEA, así como abordar el desarrollo y la producción de dichos materiales y productos conexos.

En la reseña informativa adjunta se ofrecen más detalles sobre el evento.

El evento se celebrará en inglés.

Se invita a los Estados Miembros a designar a una o más personas para que participen en este evento en representación de su Gobierno y se los alienta encarecidamente a que seleccionen con ese fin a mujeres calificadas.

Las designaciones deben presentarse al OIEA por conducto de la autoridad nacional competente (el Ministerio de Relaciones Exteriores, la Misión Permanente ante el OIEA o la Autoridad Nacional de Energía Atómica), a más tardar el **13 de agosto de 2021**, por medio del formulario de participación adjunto (Formulario A). Los formularios de participación debidamente cumplimentados y autorizados deben enviarse por correo electrónico a la dirección [Official.Mail@iaea.org](mailto:Official.Mail@iaea.org) o por fax al número: +43 1 26007 (no se precisan copias impresas). Asimismo, han de enviarse copias por correo electrónico a la Secretaria Científica del evento, Sra. Federica Camin, Laboratorios del OIEA para el Medio Ambiente, Departamento de Ciencias y Aplicaciones Nucleares (correo electrónico: [F.Camin@iaea.org](mailto:F.Camin@iaea.org)), y a la Secretaria Administrativa, Sra. Barbara Massinger (correo electrónico: [B.Massinger@iaea.org](mailto:B.Massinger@iaea.org)). Una vez recibidas las designaciones oficiales, la Secretaria Científica del evento contactará directamente a los participantes en relación con otras cuestiones de organización, según proceda.

El OIEA no se hace responsable de virus informáticos, gusanos, troyanos, puertas traseras, temporizadores, relojes, contadores o cualquier otra rutina, instrucción o diseño que limiten el funcionamiento, u otro código no solicitado malicioso, ilícito o similar, incluidos programas de vigilancia o rutinas que puedan permitir a cualquier persona el acceso, que estén diseñados con ese fin, o que accedan por iniciativa propia, con el objetivo de borrar, o dañar o modificar de cualquier otro modo datos o sistemas, servidores, instalaciones u otra infraestructura del usuario final (colectivamente, “código inhabilitante”). Asimismo, el proveedor de los servicios para la reunión

virtual ha asegurado y garantizado que los Servicios no contendrán, ni ningún usuario final recibirá del programa informático empleado para celebrar la reunión virtual, ninguno de estos códigos inhabilitantes.

La Secretaría del Organismo Internacional de Energía Atómica aprovecha esta oportunidad para reiterar a los Estados Miembros del OIEA el testimonio de su distinguida consideración.



3 de agosto de 2021

Documentación adjunta (en inglés únicamente):

Reseña informativa

Formulario de participación (Formulario A)



# **Technical Meeting on the Development of IAEA Stable Isotope Reference Materials and Related Products**

**Virtual Event**

**30 August–3 September 2021**

**Ref. No.: EVT1701991**

## **Information Sheet**

### **Introduction**

The IAEA plays a leading role in producing and distributing international reference materials for stable isotope measurements of light elements (H, C, N, O, S), as based on natural materials and chemicals (e.g. precipitation waters, natural marbles, chemical carbonates, nitrates etc.). With provision of these reference materials, the IAEA supports Member States in making reliable stable isotope measurements which are widely used in many scientific fields like environmental studies, atmosphere monitoring, climate reconstruction, life sciences and forensics. The IAEA produces these reference materials in close collaboration with expert laboratories in Member States, which contribute to the isotopic characterization by high accuracy stable isotope analyses. Besides quality requirements, the uncertainty targets and commutability for new reference materials are established based on the expertise accumulated by collaborating laboratories.

## **Objectives**

The meeting objectives include:

- reviewing the status, the assigned value and uncertainty of the currently available reference materials for stable isotope measurements. Delta-Scale definition, maintenance or review;
- identifying needs for replacement materials and requirements for new international reference materials;
- identifying laboratories to potentially collaborate on the development and characterization of new reference materials;
- defining guidelines and recommendations for the development and characterization (including assigned value, uncertainty, long-term stability) of new reference materials which fulfil the requirements as laid out by ISO Standard 17034:2016, ISO Guide 35:2017 and the requirements of the IAEA Quality System;
- defining guidelines and recommendations for member states for the use of reference materials including calibration, uncertainty propagation and accreditation of stable isotope ratio analysis; and
- identifying cooperation with the international and national Isotope groups.

## **Target Audience**

The target audience includes expert scientists and analytical chemists in the field of reference material production and characterisation, advanced specialists in high-accuracy stable isotope measurements, including development of new analytical instruments and methods and specialists from metrology institutes. In order to fulfil the objectives and to keep the meeting focused, attendees shall have a strong background in the areas as listed above, being evidenced by previous work and relevant publications.

## **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 **13 August 2021**. 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 technical 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.

## IAEA Contacts

### Scientific Secretary

#### Ms Federica Camin

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## **Administrative Secretary**

### **Ms Barbara Massinger**

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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.

# Participation Form

## Technical Meeting on the Development of IAEA Stable Isotope Reference Materials and Related Products

Virtual Event

**30 August–3 September 2021**

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 [F.Camin@iaea.org](mailto:F.Camin@iaea.org) and to the Administrative Secretary [B.Massinger@iaea.org](mailto:B.Massinger@iaea.org).

**Deadline for receipt by IAEA through official channels: 13 August 2021**

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:	

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.