



Interregional Training Course on the Protocols and Quality Concepts for Monitoring Polycyclic Aromatic Hydrocarbon in the Marine Environment Using Isotopic Techniques

Hosted by
The Government of Costa Rica

through the
Centro de Investigacion en Contaminacion Ambiental (CICA)

San Jose, Costa Rica

2 to 11 December 2025

Ref. No.: TN-INT7022-2502314

Information Sheet

Purpose

The purpose of the event is to train the participants on Polycyclic Aromatic Hydrocarbons (PAHs) in marine environmental samples.

Working Language

The working language of the event will be English.

Deadline for Nominations

Nominations received after **31 July 2025** will not be considered.

Project Background

The project INT7022 aims at strengthening the ocean health for sustainable development. With over 70 per cent of the Earth's surface covered by oceans, they are vital to maintaining livelihoods by providing food, regulating global climate, and preserving biodiversity. With threats such as pollution from radioactive and non-radioactive contaminants, climate change, ocean acidification and deoxygenation affecting marine life, food security and human health, the attainment of SDGs relating to ocean health remain in question.

There is a lack of scientifically validated data relating to the factors of ocean deterioration. Due to this, decision makers cannot adopt appropriate policies and employ actions that will ensure sustainability for the future. To achieve universal knowledge on the state of the world's oceans, the use of nuclear and isotopic techniques can help identify and understand the dynamics and effects of local and global marine stressors and improve evidence-based decision making for marine management.

Members of the INT7022 project shall strengthen their capacity in sample collection, data analysis and interpretation of radioactive and non-radioactive pollution in the oceans to generate knowledge and scientific data that will contribute to a better understanding of the processes affecting ocean health. This will promote a better understanding of ocean health which can inform the decision-making processes, making the advancing the protection and conservation of the oceans in line with the 2030 Agenda for Sustainable Development.

Scope and Nature

The training course will provide the tools needed for the critical knowledge of fundamental aspects of good laboratory practices and, quality assurance/quality control of the final PAH data. The training course will include all steps of the determination of polycyclic aromatic hydrocarbons in environmental matrices: preparation of samples, sample storage, analysis of PAHs by GC-MS, calculation of measurement results. Different types of sediment and biological reference materials will be used for practical sessions.

Participation

The Training course is organized for the countries participating in the PAH Component of INT7022 project (Argentina, Bangladesh, Brazil, Colombia, Costa Rica, Cuba, Georgia, Indonesia, Kenya, Mauritius, Nicaragua, Pakistan, Peru, Slovenia, Türkiye, Uruguay, Viet Nam).

The Training is open to a total of 10 external country participants plus participants from the hosting institute. Each Member State participating in the PAH Component is invited to nominate one (1) participant.

Please refer to the “Participants’ Qualifications and Experience” for more information.

Participants’ Qualification and Experience

Participants must meet the following requirements:

- (i) Practising analytical chemists or laboratory technicians with practical experience in the analysis of PAHs compounds or similar organic compounds.
- (ii) Stable position in the institution for sustainability.
- (iii) Good knowledge of chromatographic and mass spectrometry techniques.
- (iv) Understanding of international standards and quality requirements for analytical laboratories.
- (v) Have sufficient English proficiency to follow lectures and express themselves in this language without difficulty

This experience must be clearly detailed in the nomination form. Additionally, a concise CV of the applicant should be submitted.

This profile ensures that participants can fully benefit from the training course and make a significant contribution to strengthening regional capacities in PAH analysis using the GC-MS technique.

Application Procedure

Candidates willing to apply for this event should follow the steps below:

1. Access the InTouch+ home page (<https://intouchplus.iaea.org>) using the candidate’s existing Nucleus username and password. If the candidate is not a registered Nucleus user, she/he must create a Nucleus account (<https://websso.iaea.org/IM/UserRegistrationPage.aspx>) before proceeding with the event application process below.
2. On the InTouch + platform, the candidate must:
 - a. Finalize or update her/his personal details, provide sufficient information to establish the required qualifications regarding education, language skills and work experience (‘Profile’ tab) and upload relevant supporting documents;
 - b. Search for the relevant technical cooperation event (EVT2502314) under the ‘My Eligible Events’ tab, answer the mandatory questions and lastly submit the application to the required authority.

NOTE: Completed applications need to be approved by the relevant national authority, i.e. the National Liaison Office, and submitted to the IAEA through the established official channels by the provided designation deadline.

For additional support on how to apply for an event, please refer to the [InTouch+ Help page](#). Any issues or queries related to InTouch+ can be addressed to InTouchPlus.Contact-Point@iaea.org.

Should online application submission not be possible, candidates may download the nomination form for the training course from the [IAEA website](#).

NOTE: A medical certificate signed by a registered medical practitioner dated not more than four months prior to starting date of the event must be submitted by candidates when applying for a) events with a duration exceeding one month, and/or b) all candidates over the age of 65 regardless of the event duration.

Administrative and Financial Arrangements

Nominating authorities will be informed in due course of the names of the candidates who have been selected, and will at that time be informed of the procedure to be followed with regard to administrative and financial matters.

Selected participants will receive an allowance from the IAEA sufficient to cover their costs of lodging, daily subsistence and miscellaneous expenses. They will also receive either a round-trip air ticket based on the most direct and economical route between the airport nearest their residence and the airport nearest the duty station through the IAEA's travel agency American Express, or a travel grant, or they will be reimbursed travel by car/bus/train in accordance with IAEA rules for non-staff travel.

Disclaimer of Liability

The organizers of the event do not accept liability for the payment of any cost or compensation that may arise from damage to or loss of personal property, or from illness, injury, disability or death of a participant while he/she is travelling to and from or attending the course, and it is clearly understood that each Government, in approving his/her participation, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.

Note for Female Participants

Any woman engaged by the IAEA for work or training should notify the IAEA on becoming aware that she is pregnant.

The Board of Governors of the IAEA approved new International Basic Safety Standards for Protection against Ionizing Radiation and for the Safety of Radiation Sources. The Standards deal specifically with the occupational exposure conditions of female workers by requiring, inter alia, that a female worker should, on becoming aware that she is pregnant, notify her employer in order that her working conditions may be modified, if necessary. This notification shall not be considered a reason to exclude her from work; however, her working conditions, with respect to occupational exposure shall be adapted with a view to

ensuring that her embryo or foetus be afforded the same broad level of protection as required for members of the public.

IAEA Contacts

Programme Management Officer (responsible for substantive matters):

Ms Petra Salame
Division for Asia and the Pacific
Department of Technical Cooperation
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA
Tel.: +43 1 2600 25985
Fax: +43 1 26007
Email: P.N.Salame@iaea.org

Administrative Contact (responsible for administrative matters):

Ms Milana Vranesevic
Division for Asia and the Pacific
Department of Technical Cooperation
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA
Tel.: +43 1 2600 22104
Fax: +43 1 26007
Email: M.Vranesevic@iaea.org

Technical Officers (responsible for technical matters):

Ms Inmaculada TOLOSA BERTRAL
IAEA Environment Laboratories
Department of Nuclear Sciences and Applications
International Atomic Energy Agency
4, Quai Antoine 1er
98000 Monaco
Principality of Monaco
Tel.: (+377) 9797-7256
Fax: (+377) 9797-7273 |
Email: I.Tolosa@iaea.org

Mr Philippe BERSUDER
IAEA Environment Laboratories
Department of Nuclear Sciences and Applications
International Atomic Energy Agency
4, Quai Antoine 1er
98000 Monaco
Principality of Monaco
Tel.: (+377) 9797-7236
Fax: (+377) 9797-7273 |
Email: P.Bersuder@iaea.org