



IAEA Technical Cooperation Meeting

“Interregional Training Course on micro-Raman spectroscopy for marine microplastic monitoring”

Project INT7021

” Contributing to the Global Monitoring of Marine Plastic Pollution under the IAEA NUclear TEChnology for Controlling Plastic Pollution (NUTEC Plastics) Initiative”

Hosted by

The International Atomic Energy Agency
IAEA NAML, Monaco
Principality of Monaco

01-05 December 2025

Ref. No.: ME-INT7021-EVT2501856

Information Sheet

Purpose

The objective of the event is to train personnel from laboratories within the NUTEC Plastics Global Marine Monitoring Network of Member States in the micro-Raman spectroscopy technique for monitoring marine microplastics.

Working Language(s)

The working language(s) of the event will be English.

Deadline for Nominations

Nominations received after **20 October 2025** will not be considered.

Project Background

The marine component of the IAEA NUTEC Plastics initiative aims to develop and mainstream the contribution of nuclear technology to the knowledge on sources, distribution, trends, transport, bioaccumulation, and the impacts of micro and nano plastics in the marine environment.

The project INT7021” Contributing to the Global Monitoring of Marine Plastic Pollution under the IAEA Nuclear Technology for Controlling Plastic Pollution (NUTEC Plastics) Initiative” was approved for the period 2024-2027 to support Member States in integrating nuclear techniques in their efforts to address challenges of marine plastic pollution.

This interregional project will contribute to build capacities in a network of laboratories around the world to monitor microplastics abundance and trends through agreed protocols, exchange of data, knowledge, and best practices in this area.

Expected Outputs

The learning objectives of the course focus on the acquisition of knowledge and skills in:

1. Protocols for the collection, separation and preparation of microplastic filters in marine samples.
2. Laboratory set up for the preparation and analysis of microplastics using micro-RAMAN.
3. Automatic particle analysis in micro-RAMAN.
4. Quality assurance and quality control including validation methods and uncertainty estimation.
5. Reporting of results.

Participation

This event is open to one (1) participant by Member State, which **currently possess micro-Raman spectroscopy capabilities installed in the laboratories** actively involved in the project INT7021.

Participant Profile

Nominated participants should have:

1. Demonstrated experience in the field of monitoring and analysing microplastics in marine environments using micro-Raman spectroscopy.
2. Actively involved directly in the analysis of marine samples for microplastic contamination using micro-Raman spectroscopy within their respective laboratories.
3. Academic qualifications related to environmental sciences, oceanography, chemistry, marine biology, or other relevant disciplines.

This experience and requirements, as well as proficiency in English, must be clearly described in the candidate's nomination form.

Application Procedure

Candidates wishing 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. Download and complete the [Designation of Beneficiary and Emergency Contact Form](#), and upload to InTouch+ ('Profile' tab under the personal section) specifying the document name. If already provided, kindly discard this step; and
 - c. Search for the relevant technical cooperation event (**EVT2501856**) 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 meeting 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 AX Travel Management, or a travel allowance, 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

Mr Saul Perez Pijuan
Division for Latin America and the Caribbean
Department of Technical Cooperation
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA
Tel.: +43 1 2600 26319
Email: S.Perez-Pijuan@iaea.org

Technical Officer

Mr Carlos Alonso Hernandez
IAEA Marine Environment Laboratory
Department of Nuclear Sciences and Applications
International Atomic Energy Agency
IAEA Marine Environment Laboratories
4, Quai Antoine 1er
98000 Monaco
Tel: [+37] (7) 97 97 72 64
Email: C.M.Alonso-Hernandez@iaea.org

Administrative Contact

Ms Ruth Asens Molar
Division for Latin America and the Caribbean
Department of Technical Cooperation
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA
Tel.: +43 1 2600 26016
Email: R.Asens-Molar@iaea.org