



# **Regional Workshop on Mapping Coastal Natural Radioactivity**

## **Hosted by**

The Government of Türkiye

## **Through the**

Akdeniz University

Faculty of Electric and Energy

Department of Nuclear Technology and Radiation Safety

**Antalya, Türkiye**

**11 – 15 November 2024**

**Ref. No.: ME-RER1023-EVT2206815**

## **Information Sheet**

### **Purpose**

The purpose of the workshop is to discuss and share experience on the application of gamma spectrometric mapping applications of natural radioactivity for sediment dynamics evaluation along the coast.

### **Working Language**

The working language of the event will be English.

### **Deadline for Nominations**

Nominations received after **20 September 2024** will not be considered.

## Scope and Nature

The workshop will increase the knowledge of both theoretical and practical ways of application of natural radioactivity mapping of sediments as tracer for sediment dynamics evaluation in along the coast. Local and international experts will deliver lectures and present studies cases of the system (KATHERINA) used for mapping of sediments on the Greece coastline during in a previous activity in 2021 and that is currently being developed in Antalya, Türkiye. The results will be presented, analysed and discussed during the workshop, including those results obtained from the measurements in Antalya. A roundtable discussion will be organized to find the efficient way of strengthening the application of this technique among the RER1023 participating Member States.

The workshop will include:

- Lectures on natural radioactivity in coastal environments and the principle of operation of KATHERINA detector
- Demonstration of instruments in mapping methods including software
- Field measurements of a selected coast in Antalya and data analysis
- Preparation of corresponding natural radioactivity maps

## Participation

Participation is open to 20 participants (including 5 local participants) from Member States participating in the project RER1023.

## Participant's Qualification and Experience

Participants should be from national nuclear or maritime research institutions considered as users and/or potential users of the technique for coastal area maintenance and protection. They should have a university degree in geophysics, geology, hydrology, physics, nuclear physics and engineering.

## 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 (EVT2206815) 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.ContactPoint@iaea.org](mailto:InTouchPlus.ContactPoint@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.

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