



Regional Training Course on Application of Nuclear and Isotopic Techniques for the Assessment of Carbon Stocks and Accumulation Rates in Blue Carbon Ecosystems

Hosted by

Government of Thailand

through the
Chulalongkorn University

Bangkok, Thailand

24 to 28 November 2025

Ref. No.: TN-INT7022-2502645

Information Sheet

Purpose

The purpose of the event is to train Member States in the assessment of carbon accumulation and storage in sediments of Blue Carbon ecosystems. This includes theoretical and practical training on sampling design and sample collection, sample treatment, determination of organic and inorganic carbon, and Pb-210 dating to assess C stocks and accumulation rates at time scales of decades to 100 years. The training aims to equip participants with knowledge and skills in harmonized procedures for developing national Blue Carbon inventories.

Working Language

The working language of the event will be English.

Deadline for Nominations

Nominations received after **10 August 2025** will not be considered.

Project Background

"Strengthening Ocean Health for Sustainable Development: A Global Approach using Nuclear and Isotopic Techniques" is a project aimed at improving the health of the oceans and achieving the United Nations Sustainable Development Goals (SDGs) SDGs 13, 14, and 17, which relate to the insufficient integrated scientific research at the global level on marine pollution, climate change, ocean acidification, and the carbon cycle. To address this weakness, the project will focus on consolidating and integrating existing capacities in the Member States of the IAEA for coastal marine monitoring, which have been established in recent decades through the IAEA's Technical Assistance projects. This strategic implementation approach will enable the development of a global network of marine laboratories with high capacity in the use of nuclear and isotopic techniques to provide responses to stakeholders at national, regional, and global levels in assessment of Blue Carbon ecosystems. The project will strengthen global capacities to establish inventories and rates of blue carbon sequestration in coastal vegetative ecosystems. This will involve generating knowledge and scientific data that will contribute to a better understanding of the processes affecting ocean health and informed decision making for the protection and conservation of the oceans, in line with the UN 2030 Agenda for Sustainable Development.

Scope and Nature

The training programme will consist of lectures and practical sessions. The expected outcomes of the training are:

- 1) Enhanced and developed knowledge, skills, and capability of the MSs to plan and implement the assessment of Blue Carbon in coastal vegetated ecosystem, in particular.
- 2) Enhanced and developed regional capabilities on sampling collection, treatment and evaluation of C stocks and accumulation rates.
- 3) The training course is divided into theoretical and practical activities. The first two days will focus on theory, while the final three days will be dedicated to hands-on laboratory work and practical exercises.

Participation

The course will be offered to participating Member States in the Blue Carbon component of the Project INT70228 willing to improve their skills to evaluate blue carbon stocks and accumulation rates in Blue Carbon ecosystems.

Each country is invited to nominate one candidate, who must match the profile described in the corresponding paragraph. Member States that are not participating in national and regional projects that include national or regional training in Blue Carbon ecosystems will be prioritized in the evaluation process.

Participants' Qualification and Experience

The course is open to:

- i) Candidates should hold a technical or bachelor's degree in environmental sciences, chemistry, geology, or related fields.
- ii) Applicants should be directly involved in field or laboratory activities, or in the assessment of organic carbon stocks and accumulation rates in Blue Carbon studies.
- iii) All participants must demonstrate documented experience in at least one of the qualifications mentioned above.

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 (EVT2502645) 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.

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