IAEA
International Atomic Energy Agency

ALMERA Training Workshop on the Determination of Characteristic Limits Used in Nuclear Analytical Techniques

Hosted by the

Government of the United Kingdom

through the

National Physical Laboratory

London
United Kingdom

29–31 October 2018

Ref. No.: EVT1701656

Information Sheet

A. Introduction

ALMERA (Analytical Laboratories for the Measurement of Environmental Radioactivity) is a worldwide network of analytical laboratories established by the IAEA. Through methodological and data quality support received from the IAEA and through collaborative method development and validation, ALMERA member laboratories are able to provide internationally acceptable radioanalytical data in normal situations as well as in the event of accidental or intentional releases of radioactivity, as requested by their nominating authorities.

The workshop has been designed in response to the interest expressed by the ALMERA laboratories for training on the latest international practices for determining the characteristic limits, i.e. decision threshold, detection limit and limits of the confidence interval, used in nuclear analytical techniques.

For the ALMERA member laboratories involved in the measurement of radioactivity in food and the environment, the reliable determination of the characteristic limits of their nuclear analytical techniques is essential with regard to national and international regulations on permitted levels of radioactivity.

B. Objectives

The workshop will address the needs of ALMERA network laboratories in enhancing their skills for determining characteristic limits used in nuclear analytical techniques. The purpose of the workshop is to provide participants with intensive theoretical and practical training on the latest international practices for determining characteristic limits used in the application of nuclear analytical techniques to environmental radioactivity measurements.

C. Target Audience

The workshop is open to 25 participants from laboratories that are members of the ALMERA network. The participants should hold a university degree and should have a minimum of two years' experience in the measurement of radioactivity. They should be involved with environmental and/or food radioactivity measurement activities in their laboratories. Priority will be given to participants using the gamma-ray spectrometry nuclear analytical technique in their laboratories for this purpose. Participants will be selected on the basis of their qualifications through a competitive selection process. Member States are strongly encouraged to identify suitable woman participants.

D. Working Language

The event will be held in English.

E. Application Procedure

Nominations should be submitted through InTouch+ (https://Intouchplus.iaea.org) or using the attached **Participation Form (Form A)**. Completed requests should be endorsed by the competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA, or National Atomic Energy Authority) and returned through the established official channels. They must be received by the IAEA not later than **14 August 2018**. Nominations received after that date or applications sent directly by individuals or by private institutions cannot be considered. Nominating Governments will be informed in due course of the names of the selected candidates and at that time full details will be given on the procedures to be followed with regard to administrative and financial matters.

F. Expenditures and Grants

No registration fee is charged to participants. The IAEA is generally not in a position to bear the travel and other costs of participants in the workshop. The IAEA has, however, limited funds at its disposal to help meet the cost of attendance of certain participants. Such assistance may be offered upon specific request to normally **one participant** per country provided that, in the IAEA's view, the participant on whose behalf assistance is requested will make an important contribution to the workshop. The application for financial support should be made at the time of nominating the participant(s). Governments should ensure that applications for grants are submitted by **14 August 2018** through InTouch+ (https://Intouchplus.iaea.org) or using a signed **Grant Application Form (Form C)**.

G. Organization

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Subsequent correspondence on scientific matters should be sent to the Scientific Secretary and correspondence on other matters related to the course to the Administrative Secretary.