



Virtual Regional Training Course on Knowledge Discovery on Handling Large Datasets

Hosted by

The International Atomic Energy Agency
IAEA Headquarters

15 to 19 November 2021

Ref. No.: TN-RER7012-2104080

Information Sheet

Purpose

The purpose of the event is to strengthen the capacity of RER7012 counterparts on handling large datasets.

Working Language(s)

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

Deadline for Nominations

Nominations received after **29 October 2021** will not be considered.

Project Background

The objective of ongoing regional project RER7012 is the identification of local and regional air pollution sources in each study area (as determined by receptor model positive matrix factorisation (PMF)) and comparison with that based on using other source profiles established across the region. The aim of the study is to obtain long term time series and inter-annual variability of air pollution source tracers.

Scope and Nature

The purpose of the Training Course is to introduce the participants to several techniques for handling large data sets, including:

- Machine learning for environmental data analysis
- Tree ensemble models
- Use of different software tools for handling large data sets

Participation

RER7012 Counterparts and relevant specialists working on identifications of sources and transboundary transport events.

Participants' Qualifications and Experience

RER7012 counterparts and specialists who have been involved in or have extensive knowledge on source apportionment techniques and identification of transboundary paths.

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. Search for the relevant technical cooperation event (EVT2104080) 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 who indicate their need, will receive financial support to contribute to the expenses of their cost for internet connection for the duration of the event in line with IAEA rules and procedures.

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.

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