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国际原子能机构

International Atomic Energy Agency

Agence Internationale de l'énergie atomique

Международное агентство по атомной энергии

Organismo Internacional de Energía Atómica

Vienna International Centre, PO Box 100, 1400 Vienna, Austria

Phone: (+43 1) 2600 • Fax: (+43 1) 26007

Email: Official.Mail@iaea.org • Internet: <https://www.iaea.org>

In reply please refer to: TN-RER5024-2204090

Dial directly to extension: (+43 1) 2600-22419

National Liaison Officers /

National Coordinators

2022-06-01

Subject: Virtual Event - Regional Training Course on Molecular Techniques for Crop Improvement of Mutant Populations, from 1 to 5 August 2022

Dear National Liaison Officer / National Coordinator,

I am pleased to inform you that the International Atomic Energy Agency (IAEA) is organizing a Virtual Regional Training Course under the IAEA technical cooperation project RER5024, "Enhancing Productivity and Resilience to Climate Change of Major Food Crops in Europe and Central Asia".

The purpose of the virtual event is to develop capacities on molecular techniques that can be applied in a mutation breeding program; to expose participants to practical cases where the methodologies covered have been applied in mutation breeding; and to develop expertise in basic data analysis related to the use of molecular techniques to identify the genomic regions that control important traits using mutant or mutant-derived populations.

The attached Information Sheet provides further details, including technical and administrative aspects of the event. Selection of participants will be in accordance with IAEA procedures. Member States are strongly encouraged to identify suitable women participants.

For participants who indicate their need, the IAEA could provide financial support to contribute to the expenses of their costs for internet connection for the duration of the event in line with IAEA rules and procedures

We would appreciate receiving your country's nominations by **4 July 2022** through the IAEA's InTouch+ platform (<https://Intouchplus.iaea.org>). Should this not be possible, applicants may download the Nomination Form for the course from the [IAEA's webpage](#). Completed forms must be endorsed by the relevant government authority and may be sent to the IAEA, preferably by email to Official Mail - IAEA Mail address Official.Mail@iaea.org, with copy to Ms Ludmila Wiszczor L.Wiszczor@iaea.org. Please be advised that late nominations or replacements of participants after the closing date for nominations will not be accepted.

We look forward to receiving your early response.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'L. Wiszczor', written in a cursive style.

Ludmila Wiszczor
Programme Management Officer
Division for Europe
Department of Technical Cooperation

Enclosure: Information Sheet



Virtual Event - Regional Training Course on Molecular Techniques for Crop Improvement of Mutant Populations

Hosted by

The International Atomic Energy Agency
IAEA Headquarters

1 to 5 August 2022

Ref. No.: TN-RER5024-2204090

Information Sheet

Purpose

The purpose of the virtual event is to develop capacities on molecular techniques that can be applied in a mutation breeding program; to expose participants to practical cases where the methodologies covered have been applied in mutation breeding; and to develop expertise in basic data analysis related to the use of molecular techniques to identify the genomic regions that control important traits using mutant or mutant-derived populations.

Working Language

The working language of the event will be **English**.

Deadline for Nominations

Nominations received after **4 July 2022** will not be considered.

Project Background

The project RER5024 is aimed at supporting the production of major food crops with higher yields, improved quality, and better resilience to climate change through mutation breeding and combined biotechnologies to contribute to food security in Europe and Central Asia.

Scope and Nature

The virtual training course will provide theoretical (lectures) and practical demonstrations (software use) related molecular techniques (molecular markers and genomics) that can be used in conjunction with nuclear induced mutations for genetic improvement. Discussion between participants and the trainer will be encouraged. Participants will be tested at the end of the training to ensure their engagement with the course.

Participation

Capacities on molecular techniques applied to mutation breeding developed in Member States in Europe and Central Asia.

Participants' Qualifications and Experience

Nominated candidates should be plant breeders, biologists, agronomists involved in mutation breeding activities with at least 2-year experience using molecular techniques and genotypic data analysis for plant research. Candidates should be currently participating in mutation breeding research with the aim to identify genomic regions associated to traits are especially encouraged to apply. Participants should have a laptop that can connect to internet, download, and run open-source software.

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 (EVT2204090) 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](#).

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 costs 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.

IAEA Contacts

Programme Management Officer (responsible for substantive matters):

Ms Ludmila Wiszczor
Division for Europe
Department of Technical Cooperation
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA
Tel.: +43 1 2600 22419
Fax: +43 1 26007
Email: L.Wiszczor@iaea.org

Administrative Contact (responsible for administrative matters):

Ms Ia Beria
Division for Europe
Department of Technical Cooperation
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA
Tel.: +43 1 2600 26099
Fax: +43 1 26007
Email: I.Beria@iaea.org