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September 27, 2021

Presidents

Korea Rural Development Administration Alumni Association (KoRAA)

Ref. No: ITCC 21-14

Subject: Notice for 2021 KoRAA Long-term Training Program (Phase 2)

Dear Honorable KoRAA Presidents:

Warm greetings from the International Technology Cooperation Center (ITCC), RDA, Korea!  
We hope you and your loved ones are safe and healthy.

We would like to announce for the 2021 KoRAA Long-term Training Program (Phase 2) followed on the Long-term Training Program (Phase 1) which is currently being conducted. For your reference, please kindly find the detail Outline of Training Program attached.

In this regard, we are providing below the timeline for your guidance.

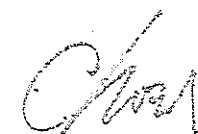
Stage	Procedure	Timeline
1	Receipt of Application	Sept. 27 – Oct. 08, 2021
2	Screening of Application	Oct. 15 - 19, 2021
3	Selection of Trainee (4)	Oct. 20, 2021
4	Commencement of Training	Dec. 01, 2021

Also, please take note that RDA institutes and ITCC will carefully look into and screen each document to identify and accommodate the most suitable candidates from the KoRAA member countries. With this, we would like to emphasize the importance of conducting the nomination very carefully, in reference to the general and specific qualifications.

We are hoping for your continuous cooperation, specific and objective attention and compliance with the guidelines.

Thank you very much and we will keep in touch with you for the next steps.

Very truly yours,



Dr. Choi Suntay

Director

International Technology Cooperation Center  
Rural Development Administration

Cc: Secretaries and Contact Persons of KoRAA

2021 KoRAA Long-term Training Program (2nd)

No.	Title of Training Program	Training Institution
1	Smart Irrigation System Technology	National Institute of Agricultural Sciences
2	Healthy Seed Selection Technology using Pathogen Genetic Markers	National Institute of Agricultural Sciences
3	Agricultural Management Research and Analysis Methodology	National Institute of Crop Science
4	Plant Disease Resistance Screening and related Characteristics Analysis of Pathogens	National Institute of Crop Science

*\*Please kindly check the detail of each training program outline from the next page.*

2021 KoRAA Long-term Training Program (2nd)

**Training Program Outline**

<b>Title of Training</b>	Smart Irrigation System Technology
<b>Duration</b>	Dec. 2021 – Sept. 2022 (10 months)
<b>Training Institution</b>	National Institute of Agricultural Sciences Rural Development Administration, Republic of Korea
<b>Content of Training</b>	<p><b>Acquisition of Customized Smart Irrigation System Technology</b></p> <ul style="list-style-type: none"> <li>- Empowerment of basic competence on smart irrigation system</li> <li>- Strengthen research planning and implementation skill</li> <li>- Participation in the academic symposium and conference</li> </ul>
<b>Qualification of Trainee</b>	<p>(General)</p> <ul style="list-style-type: none"> <li>- Researcher who currently is in service in the country of Korea Rural Development Administration Alumni Association (KoRAA)</li> <li>- Researcher who received recommendation from the head or chief of trainees' organization</li> <li>- Research experience over 5 years</li> <li>- Proficient in English and Computer</li> </ul> <p>(Essential)</p> <ul style="list-style-type: none"> <li>- An experienced researcher or expert with Master's Degree (or Ph.D.) in the relevant research area such as Agricultural Engineering, Computer Engineering, Mechatronics Engineering more than 5 years</li> <li>- Researcher who is interested in outdoors smart farms</li> </ul>

## Training Program Outline

<b>Title of Training</b>	<b>Healthy Seed Selection Technology using Pathogen Genetic Markers</b>
<b>Duration</b>	<b>Dec. 2021 – Sept. 2022 (10 months)</b>
<b>Training Institution</b>	<b>National Institute of Agricultural Sciences Rural Development Administration, Republic of Korea</b>
<b>Content of Training</b>	<b>Development of Customized Healthy Seed Selection Technology</b> - Development of the pathogen-specific DNA markers for early detection of latent fungal(or bacterial) pathogens on seeds of interest - Analysis of the latest trends throughout the research - Acquisition of big-data analysis skills based on Next-Generation Sequencing(NGS) technology
<b>Qualification of Trainee</b>	(General) - Researcher who currently is in service in the country of Korea Rural Development Administration Alumni Association (KoRAA) - Researcher who received recommendation from the head or chief of trainees' organization - Research experience over 5 years - Proficient in English and Computer  (Essential) - An experienced researcher or expert with Master's Degree (or Ph.D.) majored in Microbiology, Molecular Biology, Biotechnology, Biology, Computer Engineering - Researcher who is interested in development of healthy seed production technology using microorganism - Proficient in Linux, statistical analysis softwares (R, SAS, SPSS, etc.) - Proficient in programming languages (JAVA, Python, C++, etc.) - Researcher who is able to conduct basic molecular biology laboratory experiments (DNA, RNA, Protein isolation, etc.)

## Training Program Outline

<b>Title of Training</b>	<b>Agricultural Management Research and Analysis Methodology</b>
<b>Duration</b>	<b>Dec. 2021 – Sept. 2022 (10 months)</b>
<b>Training Institution</b>	<b>National Institute of Crop Science Rural Development Administration, Republic of Korea</b>
<b>Content of Training</b>	<p><b>Capacity building on Agricultural Management Research and Analysis Methodology</b></p> <ul style="list-style-type: none"> <li>- Systematic professional capacity building throughout the paper review and seminar participation on agricultural management</li> <li>- Strengthen the ability of problem solving throughout the implementation of research project (e.g. Economic analysis method, Marketing, etc.)</li> <li>- Strengthen future response capabilities and improve the data analytical ability on social science field by utilizing the program (e.g. SPSS)</li> </ul>
<b>Qualification of Trainee</b>	<p>(General)</p> <ul style="list-style-type: none"> <li>- Researcher who currently is in service in the country of Korea Rural Development Administration Alumni Association (KoRAA)</li> <li>- Researcher who received recommendation from the head or chief of trainees' organization</li> <li>- Research experience over 5 years</li> <li>- Proficient in English and Computer</li> </ul> <p>(Essential)</p> <ul style="list-style-type: none"> <li>- An experienced researcher or expert with Master's Degree (or Ph.D.) majored in Agricultural Management, Agricultural Economics, Econometrics, Economics, Business Administration, etc.</li> <li>- Researcher who is interested in Agricultural Management</li> <li>- Proficient in MS-Office, statistical analysis software (R, SAS, SPSS, etc.)</li> </ul>

## Training Program Outline

<b>Title of Training</b>	<b>Plant Disease Resistance Screening and related Characteristics Analysis of Pathogens</b>
<b>Duration</b>	<b>Dec. 2021 – Sept. 2022 (10 months)</b>
<b>Training Institution</b>	<b>National Institute of Crop Science</b> Rural Development Administration, Republic of Korea
<b>Content of Training</b>	<b>Acquisition of pathogen resistance screening technology on crop (Rice, Soybean etc.)</b> - Evaluation and selection on plant disease resistance screening - Pathogen genome analysis and interpretation
<b>Qualification of Trainee</b>	(General) - Researcher who currently is in service in the country of Korea Rural Development Administration Alumni Association (KoRAA) - Researcher who received recommendation from the head or chief of trainees' organization - Research experience over 5 years - Proficient in English and Computer  (Essential) - An experienced researcher or expert with Master's Degree (or Ph.D.) majored in Agriculture, Microorganism, Bioinformatics - Researcher who is interested in plant disease resistance screening and pathogen genome analysis - Proficient in statistical analysis software (R, SAS, SPSS, etc.) and bioinformatics program