

## **MINISTRY OF ENVIRONMENT**

**NATIONAL INSTITUTE OF ENVIRONMENTAL HUMAN RESOURCES DEVELOPMENT**

### **The 27th International Specialized Course on Environmental Technology (ISCET)**

**April 26 – May 4, 2021 (On-line Course)**

## **I. Introduction**

### **1. Background**

As human beings are experiencing significant levels of climate change, resource depletion and environmental degradation, it is commonly recognized that environmental issues are not the problem of an individual or a nation but a global challenge to be addressed through international cooperation. Against this backdrop, the development of environmental technology is essential to solve environmental problems and to support global efforts towards a sustainable world.

Recognizing the importance of environmental technology in tackling environmental issues, the National Institute of Environmental Human Resources Development (NIEHRD) of the Ministry of Environment of the Republic of Korea has conducted the International Specialized Course on Environmental Technology (ISCET) since 2008. The course aims at sharing information on environmental technologies, enhancing capacity building of government officials and/or industry leaders & employees in the environmental sector and building a close network between participating countries and Korea.

With a series of lectures on environmental technologies, study visits to related environmental facilities, participant presentations and Korean cultural experience, the course will provide a good opportunity for participants not only to share environmental knowledge and experiences, but also experience the Korean culture.

Given the travel and in-person meeting restriction imposed by the novel coronavirus (COVID-19) pandemic, the 27<sup>th</sup> ISCET will take place through a series of online sessions.

## 2. Objectives

The course aims to contribute to sustainable development of participating countries and to help promote environmental cooperation through information sharing on environmental technologies.

The ISCET's core objectives are:

- To share environmental technologies and good practices;
- To contribute to capacity building of government officials and/or environmental industry leaders & employees to help them cope with environmental problems and formulate sustainable development strategies;
- To promote environmental cooperation between participating countries and Korea.

## 3. General Information

- **Title:** The 27<sup>th</sup> International Specialized Course on Environmental Technology
- **Theme:** Waste and Water Management for Sustainable Development
- **Duration:** April 26 (Monday) – May 4 (Tuesday), 2021
- **Course type:** On-line course
- **Language:** English
- **Participants:** About 20 government officials or employees of public organizations or private sector from Asian countries who are involved in environmental management or related projects (waste or water fields)
- **Hosted by:** Ministry of Environment of the Republic of Korea
- **Organized by:** National Institute of Environmental Human Resources Development (NIEHRD)
- **Advantage:**
  - All participants who successfully complete the course will be awarded a certificate issued by NIEHRD with a gift
  - Three (3) most active participants will be awarded and invited to the next off-line course which is expected to be held in Korea in 2022 or 2023. (The date will be fixed later depending on the COVID-19 situation.
- **Closing Date for Application:** April 2, 2021

※ Please note that all time is based on the Korean Standard time (GMT +9). The course will be held online (livestream and pre-recorded lecture combined) during office hour.



## II. Program Details

### 1. Program Module (tentative)

The course consists of on-line lectures (video + livestream), study visits, Environmental Cooperation Workshop and Korean culture experience sessions, and the program contents are as follows.

Module	Lecture/Presentation	Study Visit/Activity
<b>Module 1.</b> Waste Management	<ul style="list-style-type: none"> <li>- History of Waste Management Policy and Waste Treatment Technology in Korea</li> <li>- Organic Waste Treatment and Energy Recovery</li> <li>- Resource Recirculation Policy and Management System</li> <li>- Waste Management System (including Waste Segregation, Volume-based Waste Fee System, Hazardous Waste Management)</li> <li>- Recycling Policy (including EPR)</li> <li>- Sanitary Landfill and Waste-to-Energy</li> </ul>	<ul style="list-style-type: none"> <li>- Hanam Union Park (Korea's first environmental complex with recyclables sorting facility, incineration facility, food waste treatment facility, sewage and leachate treatment facility all together)</li> <li>- Sudokwon Landfill (The world's largest sanitary landfill)</li> <li>- Metropolitan Electronics Recycling Center (A waste electrical and electronic equipment (WEEE) treatment facility)</li> </ul>
<b>Module 2.</b> Water Resources and Sewage Management	<ul style="list-style-type: none"> <li>- Smart Water Management (SWM)</li> <li>- Climate Change Response and Water Management</li> <li>- Sustainable Waste Management &amp; Safe Water Supply</li> <li>- Sewage Treatment and Water Reuse</li> </ul>	<ul style="list-style-type: none"> <li>- Bucheon North Water Resource Ecological Park (A sewage treatment plant)</li> <li>- Han River Flood Control Office</li> </ul>
<b>Module 3.</b> Environmental Cooperation Workshop	<ul style="list-style-type: none"> <li>- Country Report Presentation</li> <li>- Company Presentation</li> </ul>	
<b>Module 4.</b> Extracurricular activities	<ul style="list-style-type: none"> <li>- Korean culture</li> <li>- Side events (Opening &amp; closing ceremony, survey &amp; wrap-up session, etc.)</li> </ul>	

## 2. Environmental Cooperation Workshop

The Environmental Cooperation Workshop will be held online on April 20, 2021. It aims to provide a venue for participants both from partner countries and Korean companies to be introduced to current status of each countries or companies and to explore ways to promote cooperation for sound environmental management.

CATEGORY	ACTIVITY
Country Report Presentation	Participants are requested to give a 10-15 minutes presentation on the theme of the program using MS Power Point.
Company Presentation	Korea's overseas environmental cooperation projects or outstanding technologies will be introduced by Korean companies.

### 2.1. Guidelines for Country Report Presentation

Participants are requested to prepare and submit a country report (individually or as a group by organization) before the program starts. They analyze their own countries' current issues and challenges as well as circumstances surrounding them, share the findings with other participants and Korean experts in an effort to provide solutions to the identified problems and issues for their own countries.

Please submit the report to NIEHRD via e-mail at [hrhwang1224@korea.kr](mailto:hrhwang1224@korea.kr) (Ms. Hyerim HWANG) by **April 12, 2021**.

#### 2.1.1. Topic

- Current issues and challenges in waste or water management and related plan/projects (Ex: Waste segregation/collection/treatment policy and current status)

#### 2.1.2. Details to be covered in the report

##### 1) Organization overview

- Organization chart with a mark which the participants belong to

##### 2) Current waste or water management policies and challenges

- Describe in detail the current status of waste or water management and the challenges that your country/company is facing.

##### 3) Tasks or projects

- Describe on-going or planned tasks/projects on the above subject in detail (Scope, objectives, methodology, budget, personnel, etc.)



### III. Contact Information

#### 1. Applicants should:

- be a mid-managerial-level government official or industry leader/employee from public organizations or companies in charge of waste or water management, or related projects;
- have sufficient command of both spoken and written English;
- submit a country report to NIEHRD

#### 2. Application Procedure

The duly completed Application Form should be officially signed by the nominating government or organization and sent to NIEHRD by **April 2, 2021**, with a copy of the applicant's passport. The participants will be selected on a first-come, first-served basis.

### IV. Contact Information

For further information or assistance, please contact:

#### NIEHRD

Ms. Hyerim HWANG (International Coordinator)

- E-mail: [hrhwang1224@korea.kr](mailto:hrhwang1224@korea.kr)
- Tel: +82-32-560-7769
- Fax: +82-32-568-2047
- Homepage: <http://ehrd.me.go.kr/memberEng/EngMain.do>
- Address: Education Planning Division,  
National Institute of Environmental Human Resources Development,  
42, Hwangyeong-ro, Seo-gu, Incheon Metropolitan City, 22689  
Republic of Korea

※ If the candidate is not able to attend the program, please contact us in advance.

Annex 1: Program Schedule

## &lt;ANNEX 1&gt;

**Program Schedule (tentative)**

Date	Time (KST)	Program	Remarks
April 26 (Mon)	11:30-12:00	· <b>Orientation &amp; Opening Ceremony</b>	Live
	12:00-13:30	· <b>Korean Cultural Experience</b>	
	13:30-15:00	· Lunch	
	15:00-17:00	· <b>Lecture 1:</b> History of waste management policy and waste treatment technology in Korea	Pre-recorded
April 27 (Tue)		<b>&lt;Environmental Cooperation Workshop&gt;</b>	Live
	11:30-13:30	· <b>Country Report Presentation :</b> Introduction to environmental status and projects by each country (organization)	
	13:30-15:00	· Lunch	
	15:00-17:00	· <b>Company Presentation :</b> Introduction to the Korean environmental companies/projects and Q&A	
April 28 (Wed)	11:30-13:30	· <b>Lecture 2:</b> Resource recirculation policy and management system	Live
	13:30-15:00	· Lunch	
	15:00-16:00	· <b>Lecture 3:</b> Organic waste treatment and energy recovery	Pre-recorded
	16:00-17:00	· <b>Study Visit 1:</b> Hanam Union Park · <b>Study Visit 2:</b> Sudokwon Landfill · <b>Study Visit 3:</b> Metropolitan Electronics Recycling Center	
April 29 (Thur)	11:30-13:30	· <b>Lecture 4:</b> Waste management system (including waste segregation, volume-based waste fee system, hazardous waste management, etc.)	Live
	12:00-15:00	· Lunch	
	15:00-17:00	· <b>Lecture 5:</b> Sanitary landfill and waste-to-energy	
April 30 (Fri)	11:30-13:30	· <b>Lecture 6:</b> Recycling policy (including EPR)	Live
	13:30-15:00	· Lunch	
	15:00-17:00	· <b>Lecture 7:</b> Smart Water Management (SWM)	Pre-recorded
May 3 (Mon)	11:30-12:30	· <b>Lecture 8:</b> Climate change response and water management	Pre-recorded
	12:30-13:30	· <b>Study Visit 4:</b> Bucheon North Water Resource Ecological Park · <b>Study Visit 5:</b> Han River Flood Control Office	
	13:30-15:00	· Lunch	
	15:00-17:00	· <b>Lecture 9:</b> Sustainable water management and safe water supply (including flood control)	Live
May 4 (Tue)	11:30-13:30	· <b>Lecture 10:</b> Sewage treatment and water reuse	Live
	13:30-15:00	· Lunch	
	15:00-16:30	· <b>Presentation:</b> Applying of the ISCET program materials to actual work and business	
	16:30-17:00	· <b>Closing Ceremony</b>	

※ The above schedule is based on the Korean Standard Time  
and it may be subject to change.



<ANNEX 2>

## APPLICATION FORM

### International Specialized Course on Environmental Technology

National Institute of Environmental Human Resource Development  
Ministry of Environment, Republic of Korea

Tel: +82-32-560-7769 Fax: +82-32-568-2047 E-mail: [hrhwang1224@korea.kr](mailto:hrhwang1224@korea.kr)

\* Please send this application form by April 2, 2021.

※ Please TYPE using a computer. Do NOT handwrite.

※ Before filling in the application form, please see the NOTE at the end of this form.

#### I. Official Nomination

(to be filled in by the nominating government organization)

The \_\_\_\_\_  
(Name of nominating government organization)

hereby presents the candidacy of Mr/Ms \_\_\_\_\_ for the  
course hosted by the Ministry of Environment, ROK.

The undersigned certifies that the governmental organization named above supports the  
candidate's participation in the course, with a view to enhancing his/her ability to better  
manage the environment and eventually contribute to sustainable development/green  
growth of his/her country in the future.

The nominating government organization certifies that the information contained herein is  
complete and accurate and that the candidate has a sufficient command of English to  
successfully complete the course held in English.

Name of Organization: \_\_\_\_\_

Position/Title: \_\_\_\_\_

Name of Nominator: \_\_\_\_\_

Date: \_\_\_\_\_ Signature/Official Seal: \_\_\_\_\_

II. Applicant's Information				
A. Personal Information				
Country				Photo
Name <input type="checkbox"/> Mr. <input type="checkbox"/> Ms.	First Name: Middle Name: Last Name: <b>same as in your passport</b>			
Date of Birth	(dd/mm/yyyy) : <b>same as in your passport</b>			
Passport No.			Religion	
Address	Office Address			
	City		State/Province	
	Country		Postal Code	
Contact Information	Office Tel			
	Mobile			
	Fax			
	E-mail	(Office) (Personal)		
Emergency Contact	Name		Tel. No.	
B. Professional Information				
Present Position/Title				
Department & Division				
Name of Organization				
Type of Organization	<input type="checkbox"/> Gov. <input type="checkbox"/> Gov.- affiliated <input type="checkbox"/> Others			
Working Area	<input type="checkbox"/> Administration <input type="checkbox"/> Research <input type="checkbox"/> Others			
Professional Experiences	<b>Professional experiences in the environmental management field:</b> <input type="checkbox"/> Less than 5 years <input type="checkbox"/> 5~10 years <input type="checkbox"/> 10~15 years <input type="checkbox"/> More than 15 years			



	<b>Describe your present duties:</b> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>																																		
<b>C. Others</b> <b>1. Describe your expectation from this training course.</b> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>																																			
<b>2. Former training experiences in Korea or other countries:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No																																			
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<b>D. Language Proficiency</b> <b>English</b> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th style="width: 15%;"></th> <th style="width: 15%;">Excellent</th> <th style="width: 15%;">Good</th> <th style="width: 15%;">Fair</th> <th style="width: 15%;">Poor</th> <th style="width: 30%;">Remarks</th> </tr> <tr> <td><b>Listening</b></td> <td> </td><td> </td><td> </td><td> </td><td> </td> </tr> <tr> <td><b>Speaking</b></td> <td> </td><td> </td><td> </td><td> </td><td> </td> </tr> <tr> <td><b>Writing</b></td> <td> </td><td> </td><td> </td><td> </td><td> </td> </tr> <tr> <td><b>Reading</b></td> <td> </td><td> </td><td> </td><td> </td><td> </td> </tr> </table> <p>Native Language : _____</p> <p>Other Languages : _____</p> <p>In case you speak English as a foreign language, it is required for you to certify your English proficiency. Please indicate your English Proficiency Test scores :</p> <p> <input type="checkbox"/> TOEFL: _____ (score)      <input type="checkbox"/> TOEIC : _____ (score)  <input type="checkbox"/> Others : _____ (score)         </p>							Excellent	Good	Fair	Poor	Remarks	<b>Listening</b>						<b>Speaking</b>						<b>Writing</b>						<b>Reading</b>					
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<b>III. Applicant's Statement</b> <p style="text-align: center;"><i>I hereby certify that the information I have provided in the application form is complete and accurate.</i></p> <p><b>Applicant's Name:</b> _____</p> <p><b>Date:</b> _____      <b>Signature of Applicant:</b> _____</p>																																			

**Note**

- Please fill in the form by **TYPE using a computer. DO NOT HANDWRITE.**
- Please do not leave any item blank.
- The name in the Application Form should be the same as in your passport.
- Please send the **Application Form (Annex 1), Consent to the Privacy and Copyright Policy on the Use of Personal Data (Annex 2)** and a copy of the **participant's passport to NIEHRD via e-mail** (Ms. Hyerim HAWNG, E-mail: [hrhwang1224@korea.kr](mailto:hrhwang1224@korea.kr), Tel: 82-32-560-7769) at your earliest convenience **but no later than April 2, 2021.**



## Privacy and Copyright Policy on the Use of Personal Data

- a. Any information used for identifying individuals that is acquired by the National Institute of Environmental Human Resources Development (NIEHRD) will be stored, used and/or analyzed only within the scope of NIEHRD's activities, and in accordance with NIEHRD's policy and regulations.
- b. NIEHRD may provide and disclose the collected information aforesaid to a third party in accordance with NIEHRD's policy and regulations, with the relevant laws of Korea, or upon the request from the Government of Korea.
- c. NIEHRD reserves the right to use all the documents or products produced by participants for the purpose of the Training/Fellowship Program including their duplication, translation, distribution, and/or posting on websites (NIEHRD's website and/or other websites related to Korean ODA).
- d. NIEHRD takes measures required to prevent leakage, loss, or destruction of acquired information. Should you wish to inquire further about NIEHRD's privacy policy and personal information management, please contact the program manager via the contact information provided in your Course Guide/Information Note.
- e. If you do not approve of the above conditions, you may also refuse to agree. However, please be informed that there may be limitations to your participation to the NIEHRD Training/Fellowship Program, if you do not agree with the above conditions.

### Agreement on Collection and Use of Personal Data

- ① NIEHRD collects and uses the participants' Personal Information; and is able to provide such information for a third party in accordance with NIEHRD's policy and regulations.
  - **Personal Information Collected** : name, date of birth, sex, nationality, contact information, employment status, career and educational record, and other information indicated in the application form
  - **Purpose**: implementation and promotion of the NIEHRD Training/Fellowship Program, identification of participants, record keeping, on/offline alumni database management, supporting NIEHRD's activities, and strengthening the partnership between Korea and Partner Countries
  - **Retention Period** : 1 year for hard copy / 20 years for soft copy
  - **Third Parties**: Ministry of Environment, related ministries, government organizations, subcontractors performing work consigned by NIEHRD
- ② If you do not approve our collection and use of your personal information, you may also refuse to agree. However, you may have limited support from NIEHRD regarding visa issuance, immigration management, flight and accommodation arrangement, NIEHRD Alumni activities, insurance and medical service.

☐ **Agree**

☐ **Disagree**

### Agreement on Collection and Use of Sensitive Information

- ① NIEHRD collects and uses the participants' Sensitive Information; and is able to provide such information for a third party in accordance with NIEHRD's policy and regulations.
- **Sensitive Information Collected** : religion, medical information
  - **Purpose**: implementation and organization of the NIEHRD Training/Fellowship Program in consideration of participants' religious characteristics, screening of participants' health condition to participate in NIEHRD Training/Fellowship Program, insurance and medical service
  - **Retention Period** : 1 year for hard copy / 20 years for soft copy
  - **Third Parties**: Ministry of Environment, related ministries, government organizations, subcontractors performing work consigned by NIEHRD
- ② If you do not approve our collection and use of your sensitive information, you may also refuse to agree. However, you may have limited support from NIEHRD regarding your religious activities and requirements, insurance and medical service.

☐ Agree

☐ Disagree

### Agreement on Collection and Use of Unique Identifying Information

- ① NIEHRD collects and uses the participants' Unique Identifying Information; and is able to provide such information for a third party in accordance with NIEHRD's policy and regulations.
- **Unique Identifying Information Collected** : passport number, alien registration number
  - **Purpose**: visa issuance, immigration management, flight and accommodation arrangement, insurance and medical service
  - **Retention Period** : 5 days after the accomplishment of the purpose specified above
  - **Third Parties**: Ministry of Environment, related ministries, government organizations, subcontractors performing work consigned by NIEHRD
- ② If you do not approve our collection and use of your unique identifying information, you may also refuse to agree. However, you may have limited support from NIEHRD regarding visa issuance, immigration management, flight and accommodation arrangement, insurance and medical service.

☐ Agree

☐ Disagree

Date (dd/mm/yyyy) \_\_\_\_\_ Name \_\_\_\_\_ Signature \_\_\_\_\_