

International Environmental
Training Programs



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Training Programs



National Institute of Environmental Human Resources Development

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environment comes first.



**National Institute of Environmental
Human Resources Development**

CONTENTS

04 National Institute of Environmental Human Resources Development

Vision, History, International Training Curriculum

06 MOU/IA Programs

MOU/IA on Cooperation for Environmental Human Resources Development
International Workshop for Environmental Human Resources Development (IWEHRD)

07 Training Programs

Multi-national Programs

- 07 International Training Course on Environmental Policy (ITCEP)
- 08 International Specialized Course on Environmental Technology (ISCET)
- 09 China/Japan/Korea Tripartite Joint Environmental Training (TJET)

KOICA Cooperation Programs

- 10 Building a Resource Recirculating Society in Response to Climate Change
- 11 Sustainable Water Management in Response to Climate Change
- 11 Colombo Plan Joint Fellowship Program (Waste Management & Renewable Energy in Response to Climate Change)
- 12 Capacity Building on Waterworks and Sewage Management Policy for Sustainable Development

Customized Programs

- 13 Environmental Management Policy Program for Vietnam (EMPPV)
- 13 NIEHRD-UNEP Joint Training on Resource Recirculation Policy for a Circular Economy
- 14 NIEHRD-UNOSD Executive Training Course for Policymakers on the 2030 Agenda and SDGs
- 14 Study Visit (Virtual)

15 Messages from Participants

18 Online Lecture

19 Participants by Country

National Institute of Environmental Human Resources Development

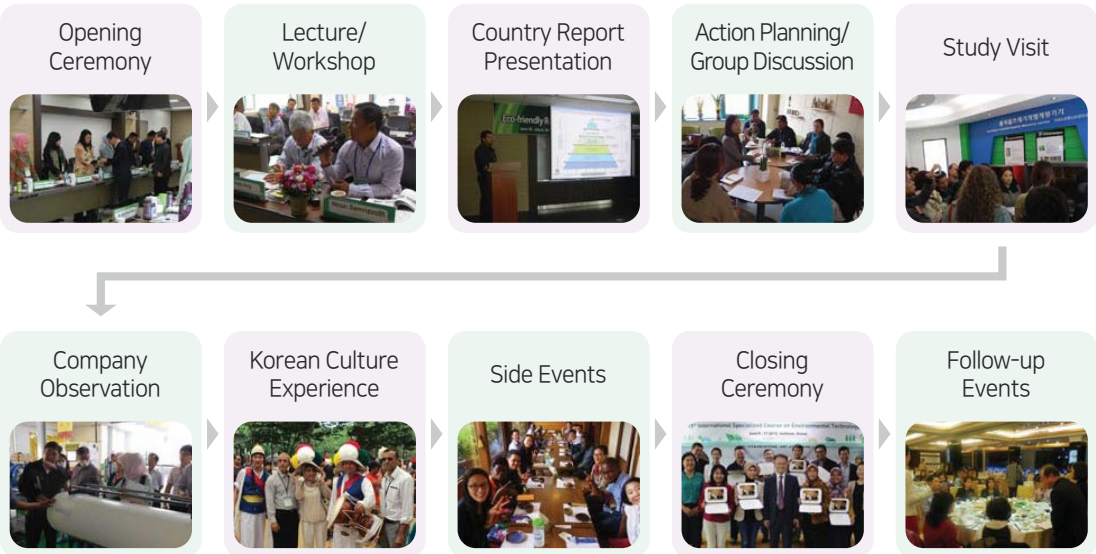
The National Institute of Environmental Human Resources Development (NIEHRD), a subsidiary body of the Ministry of Environment(KME), is a main national training institute fostering environmental leaders.

- As of 2021, NIEHRD organized 192 courses including international programs and a total number of participants was 84,205.

- NIEHRD is educating around 28,000 public and private employees annually.



International Training Curriculum



VISION

Develop Creative Environmental Human Resource Leading Sustainable Development

History

1980

Began as the Environmental Education Division of the National Environmental Protection Institute (NEPI) under the Environment Administration (EA)

1990

Re-organized as the Environmental Education Department of the National Institute of Environmental Research (NIER) under the KME

1992

Separated as the Environmental Officials Training Institute with three divisions under the KME

1999

Re-organized as the Environmental Training Department of the National Institute of Environmental Research (NIER) under the KME

2006

Separated as the National Institute of Environmental Human Resources Development (NIEHRD) with two divisions under the KME

2017

Selected as the best Education & Training Center of Government Official of this year

2016

- Awarded (Commended) by the Presidential Committee for National Cohesion
- Won a director award from National Human Resource Development Institution (NHI) at the 34th public HRD contest

2014

Designated as a Model Training Agency for social environmental educator

2010

Presidential committee on Green Growth designate NIEHRD as a Green Education Organization

2009

Reorganized the National Institute of Environmental Human Resources Development (NIEHRD)



Memorandum of Understanding (MOU) or Implementing Arrangement (IA) on Cooperation for Environmental Human Resources Development

NIEHRD has been pursuing the MOU or IA on Cooperation for NIEHRD with other countries or organizations in order to exchange information on environment and environmental education as well as to promote bilateral and multilateral cooperation and partnership among MOU/IA signed countries or organizations.

- NIEHRD will consider participant recommended by MOU/IA signed countries first to our program.
- As of 2022, following countries and organization has been signed on MOU/IA with NIEHRD, Viet-Nam (Mar.2010, Jun.2019), Cambodia (Apr.2010), Pakistan (Feb.2011), Sri Lanka (Dec.2012), Benin (Aug.2013), Egypt (Aug.2013)

* Indonesia (Dec.2010) and UNEP (Nov.2015, Nov.2019) signed MOU/IA is expired.



MOU Signing Ceremony (UNEP)



MOU Signing Ceremony (Sri Lanka)

International Workshop for Environmental Human Resources Development (IWEHRD)

General Information

IWEHRD is a workshop for those countries which signed the MOU or IA on Cooperation for Environmental Human Resources Development with NIEHRD. It aims to provide a venue where the participating countries can share environmental policies and experiences in regard to environmental education and explore ways to enhance the quality of education.

Participants

About 20 government officials

Duration

Annually (5 days)



Ceremony



Country Report Presentation

International Training Course on Environmental Policy (ITCEP)

General Information

Program to contribute to capacity building of government officials and sustainable development

- ▶ The objective of the program is to share environmental policies and experiences with government officials from developing countries, thereby contribute to global environmental cooperation and sustainable development.
- ▶ NIEHRD has carried out ITCEP for 318 government officials from 45 countries since 2005.

Participants

About 20 environmental government officials from Asia, Africa, Eastern Europe and Latin America

Program Composition

Lectures, Study Visits, Country Report Presentation, Group Discussion, Korean Culture Experience and Side Events

Duration

Once a year (7~10 days)



Ceremony

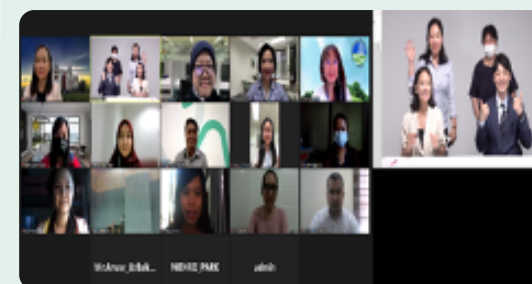


Lecture



Study Visit

*Online Training due to COVID-19



Online Ceremony



Lecture

International Specialized Course on Environmental Technology (ISCET)

General Information

Practical program to share environmental technologies and experiences, mainly consisted of study visits

- ISCET started in June 2008 with the participation of environmental government officials and private employees at the managerial level from Africa and the Middle East.
- NIEHRD has invited 425 participants from 56 countries since 2008.
- It helps to provide infinite educational value to developing countries which share similar economic development experiences with Korea by introducing Korea's outstanding environmental technologies.

Participants

About 20 government officials from Asia, Africa, Eastern Europe and Latin America

Program Composition

Keynote Lecture, Study Visits, Company Presentation, Korean Culture Experience and Side Events

Duration

Twice a year (7~10 days)



Ceremony



Lecture

*Online Training due to COVID-19



Online Ceremony



Study Visit



Korean Culuture Experience



Lecture

China/Japan/Korea Tripartite Joint Environmental Training (TJET)

General Information

Program held by China, Japan and Korea in rotation to better environmental cooperation among the three countries

- The Tripartite Environment Ministers Meeting among China, Japan and Korea (TEMM), which was proposed by Korea, has been held on annual basis since 1999, in order to collectively cope with the regional and global environmental problems and raise awareness of the environmental community in the Northeast Asia.
- As part of the joint projects agreed at the TEMM in February 2000, the Tripartite Joint Environmental Training program among the three countries has been conducted since 2001 on a yearly rotating basis for environmental officials of the three countries.

Participants

10 governmental officials from the host country and 5 each from other participating countries

Program Composition

Lectures, Study Visits, Group Discussion and Presentation, Culture Experience and Side Events

Duration

Annually since 2001 (5 days)



Ceremony



Group Discussion



Study Visit



Lecture

Building a Resource Recirculating Society in Response to Climate Change ('20-'22)

General Information

KOICA cooperation program with its focus on resource circulation society in response to climate change in the recipient countries. Introduce applicable Action Plan for the recipient countries, improve waste management system, provide domestic environmental industry an opportunity to launch overseas, construct international waste management & response to climate change network among member states, build human resource network and enhance close partnership between NIEHRD and countries to found more environmental cooperation programs in the future.

Participants

About 20 government officials from Paraguay

Language

Spanish

Program Composition

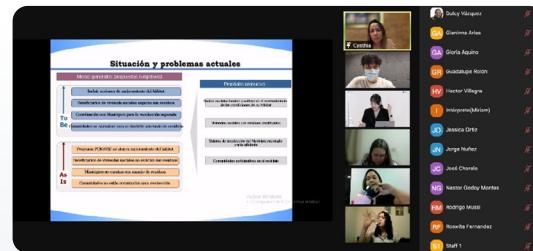
Lectures, Study Visits, Country Presentation and Action Planning, Korean Culture Experience and Side Events

Duration

Once a year (9 days; 3-Year Program)
2nd Jul. 6-14, 2021



Online Ceremony



Lecture



Certificate



Country Report Presentation

Sustainable Water Management in response to Climate Change ('18-'20)

General Information

KOICA cooperation program with its focus on water management and waterworks & sewerage management policy and technology sharing. Trying to support sustainable water management policy making of recipient countries, implementing applicable Action Plan.

Participants

About 25 government officials from 9 countries in Asia and Africa (Algeria, Cote d'Ivoire, Gambia, Indonesia, Kyrgyzstan, Mongolia, Philippines, Uzbekistan, Vietnam)

Duration

Once a year (17-21 days; 3-Year Program)
1st Aug 30 – Sep 15, 2018
2nd Oct 10-30, 2019



Country Report Presentation



Study Visit

Colombo Plan Joint Fellowship Program ('16-'18) (Waste Management & Renewable Energy in Response to Climate Change)

General Information

Colombo Plan was founded in 1950 for cooperative foundation by building a network to share technology and development experience among member states, calling for the interest toward social & economical development of Asian-Pacific areas. Korea first joined in this plan in 1962. (Total 27-member states)

Participants

About 20 government officials from 18 countries (India, Afghanistan, Bangladesh, Bhutan, Fiji, Indonesia, Iran, Laos, Malaysia, Maldives, Mongolia, Myanmar, Nepal, Pakistan, Sri Lanka, Papua New Guinea, Philippines, Vietnam)

Duration

Once a year (21 days; 3-Year Program)
1st Oct 20 – Nov 9, 2016
2nd Jun 25 – Jul 15, 2017
3rd May 13 – Jun 2, 2018



Ceremony



Study Visit

Capacity Building on Waterworks and Sewerage Management Policy for Sustainable Development

General Information

KOICA cooperation program with its focus on waterworks and sewerage management policy & technology sharing to upgrade capability of recipient countries.

Participants

About 9 government officials from Guatemala, Dominican Republic, Colombia, and Peru

Duration

Sep 7-27, 2017 (21 days)



Study Visit



Korean Culture Experience



Environmental Management Policy Program for Vietnam ('15-'19)

General Information

The EMPP was first held in 2015 by the NIEHRD, KME, as a follow-up to the 11th Korea-Vietnam Environment Ministers Meeting held in Ho Chi Minh City on October 27, 2014. At the meeting, the two Ministers agreed on information exchange and knowledge sharing to address air and water pollution problems through a capacity building program. After the 14th Korea-Vietnam Environment Ministers Meeting, it was decided to hold the 4th program with the aim of sharing Korea's environmental policies and experiences to help enhance policy-making capacity of Vietnamese government officials.

Participants

About 15 Vietnamese government officials

Duration

Duration Once a year (5 days; 4-Year Program)

1st Jul 13-17, 2015 2nd Jun 13-17, 2016

3rd Mar 12-16, 2018 4th Mar 25-29, 2019



Study Visit

NIEHRD-UNEP Joint Training on Resource Recirculation Policy for a Circular Economy

General Information

Joint training program to enhance the capacity of environmental policy in Asian-Pacific environmental government officials, support sustainable development of this areas, and strengthen network.

Participants

About 17 environmental government officials from 11 countries (Bhutan, Cambodia, India, Indonesia, Iran, Lao PDR, Malaysia, Myanmar, Nepal, Philippines, Thailand, Vietnam)

Duration

Nov 24-30, 2019 (6 days)



Ceremony

NIEHRD-UNOSD Executive Training Course for Policymakers on the 2030 Agenda and SDGs

General Information

Building capacity for establishing sustainable development policy and network construction with public policy-maker.

Participants

About 36 government officials from 29 countries (Bangladesh, Burundi, Chad, Comoros, DR Congo, Dominican Republic, El-Salvador, Ethiopia, Mozambique, Myanmar, Namibia, Papua New Guinea, Philippines, Saint Lucia, St. Vincent and the Grenadines, Samoa, Senegal, Sierra Leone, South Africa, Vietnam, Zambia, Vanuatu, Nauru, Brazil, USA)

Duration

Apr 24-28, 2017 (4 days)



Study Visit

Virtual Study Visit	
1	Hanam Union Park
2	SUDOKWON Landfill Site
3	Han River Flood Control Office
4	Bucheon North Water Resource Ecological Park
5	Metropolitan Electronics Recycling Center (MERC)
6	SUPLLO Ecological Restoration



Messages from Participants

Course — The 28th International Specialized Course on Environmental Technology; ISCET (2021)



Ms. Do Thi Ngoc Bich

Due to the COVID-19, The 28th International Specialized Course on Environmental Technology that I attended was held online, but that did not reduce the quality of the course. I was quite impressed by the way NIEHRD provides a unique curriculum with a perfect blend of real-time online lectures, study visits via video clips and practice.

During the 7 days, participants gained experience and knowledge on smart water management including waterworks & sewerage management, water policy and practice on how to build an ODA project proposal. Moreover, this program, being rich in information and useful technical concepts, provided me with insights into the development of Korea's water technologies. It also has yielded a wealth of knowledge that can be helpful to identify the competence and skills required in my home country.

Overall, I was really inspired by the training culture, quality and management team of the NIEHRD. I would like to pay my highest gratitude to the NIEHRD for arranging such valuable programs during this pandemic and hoping that NIEHRD will continue to organize training programs for the capacity building of developing nations.

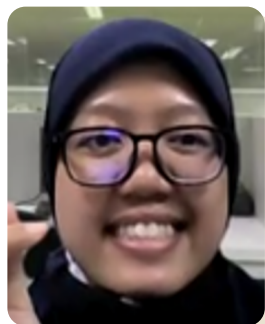


Ms. Lestari Rachmawati

The training allows me to understand the rapid and substantial growth of water and wastewater in Korea. Despite the online arrangement, the training program and material are very well prepared and informative, both live and offline training.

The program accommodates the current water and sanitation development objective very well, including climate change, water-food-energy nexus, water quality preservation, and also prevention of marine pollution. This training has also showcased the benefit of managing water for significant environmental quality improvement while providing the opportunity for water and sanitation technology development. Additionally, this training program includes lessons on South Korean history and the South Korean culture, tradition, food, and language, which is interesting.

Lastly, I want to express my appreciation to the Republic of Korea Government's commitment to managing water and translating "the water for life fundamental" into government programs and activities effectively in every sector. All in all, thank you again to the NIEHRD team for the opportunity to learn with you.

Course — The 17th International Training Course on Environmental Policy; ITCEP (2021)


Ms. Sarah Irhamillah

Although being held online, the program was well designed to help the participants learn and study South Korea's Environmental policies from its history, challenges, and strategies until it become South Korea as it is now.

Participants are provided with several live lectures on different environmental topics delivered by experts that made the learning process comprehensive and insightful. We also learned about some of South Korea's advanced environmental infrastructures that support the environmental policies in waste management that are being used through several online study visits.

At the end of the program, we also got the chance to put the knowledge into practice in the guided action plan-making session. Not only that, but we also learned a bit about South Korea's language and culture. Through the program, I learned that South Korea has several similarities with my country regarding some of its past waste policies challenges therefore I hope that I could little by little implement the knowledge and lessons I learned from the program into my work.

Course — Sustainable Water Management in response to Climate Change (KOICA fellowship program, 2018)


Mr. Said Imessaoudene

During my professional career which will soon reach thirty years I benefited from several short courses, mainly in Europe, which were, without a doubt, very profitable for me professionally, but this training in South Korea has impacted me more than all the previous ones.

The field of my activity is Hydrology. The lectures that were given mainly concern the quality of the water (standards of potability, purification and treatment) and Hydrogeology. This training has allowed me to broaden the area of my knowledge in these specialties that are related to my field of activity.

Thank you again for everything and good luck.

Course — KOICA-Colombo Plan Joint Fellowship Program (2018)


Ms. Anabelle CUBACUB

The program was very relevant to the present issues on waste management worldwide as well as the doable and possible solutions available through new technologies.

Aside from the lectures of distinguished speakers, we were able to see first-hand how Korea implemented their waste management program from recycling to renewable energy which is really impressive. All the knowledge and information we learned are likewise being disseminated through echo-seminars and programs to capacitate others in my country. We were also able to visit various places in Korea, meet wonderful people and learned their rich culture.

It was an experience I will never forget in my lifetime.

Course — The 13th International Training Course on Environmental Policy; ITCEP (2017)
The 14th ITCEP Review Workshop (2018)
Mr. Sergio Andres
Rodriguez Acevedo

I was part of the 3-year International Training Course on Environmental Policy, which was held in 2017 and 2018 with delegates from Bolivia, Colombia and Paraguay.

As part of this course, I had the chance not only to learn about the way South Korea provides sanitation services, but also to know part of its rich and ancient culture. We had the possibility to share experiences between representatives of Latin-American countries, in how they handle water and sanitation issues, which give the participants a wide range of new topics to develop in their own countries. In addition, the course also gave us the opportunity to identify the Korean technologies that we can implement, in order to achieve our environmental goals.

I would like to thank the South Korean Government and the NIERHD staff for making this course successful and for visiting Colombia. The visit has allowed NIERHD representatives to see how we are putting in practice the things we learned through these 3 years, and the cultural differences and similarities between our countries.

Online Lecture

Waste Management		
1	History of Waste Management Laws and Policies	 
2	Discharge, Collection and Transportation of Domestic Waste	
3	Industrial Waste Treatment Process	
4	Material Recycle	
5	Organic Waste Treatment	
6	Energy Recovery	
7	Waste Landfill Technologies	
Water Supply & Sewerage Management		
1	Water Supply	The Development History and Policy Directions of the Korean Water Supply System
2		Water Treatment System Management
3		Advanced water treatment methods and construction management
4		Countermeasures Against Global Warming and Water Quality Management
5		Trends of Advanced Water Supply System Technology
6		ICT-based Smart Water Supply Management
7	Sewerage	Development history and policy directions for sewerage in Korea
8		Sewage Treatment Facility Operation and Management
9		Sludge Treatment Facility Operation and Management
10		Advanced Treatment Techniques
11		Energy Independence Technology for Wastewater Treatment Plants
12		Trends in Technology for the Reuse of Treated Wastewater
Carbon Neutrality		
1	Background and Necessity of Carbon Neutrality	 
2	Carbon Neutral Policy Overview	
3	Carbon Neutralization strategy and Plan	
4	Low carbonization of the economic structure	
5	Fostering the new promising low-carbon industry ecosystem	
6	Transition to a carbon-neutral society	
7	Enhancement of the Systematic Foundation of Carbon Neutrality	

Participants by Country(2005~2021)

