

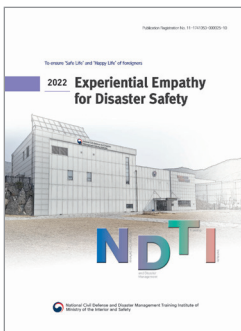
To ensure 'Safe Life' and 'Happy Life' of foreigners

2022 **Experiential Empathy for Disaster Safety**



National Civil Defense and Disaster Management Training Institute of
Ministry of the Interior and Safety

CONTENTS



■ Greetings	1
■ Status of foreign participation in 2022	2
① Experience life of short-term foreign trainee at the central administrative education institution	4
② Experience life of long-term foreign student at a key university	7
■ You can acquired diversified experiences at the Institution	10



| Publishing Institution NDTI | Publisher Kim Jae Heum
 | Planning & Editing Kim kyung-Sang, Gwak Gye-Won, Lee Jeong-il, Lee Min-Hyun, Park Sung-Woo
 | Illustrations Lee Sang-Min
 | Address #90 Yeonsudanji-gil, Sagok-myeon, Gongju-si, Chungcheongnam-do
 | Tel 041-840-6506 | Website www.ndti.go.kr
 | Printer Nara Printing, 044-866-6384

Greeting



Kim Jae Heum
Director General of NDTI

National Civil Defense and Disaster Management Training Institute (NDTI), an educational institution specializing in the area of disaster safety, is equipped with Disaster Safety Experience Center capable of improving the ability to respond to various types of disasters. This center is composed of 16 experiential facilities.

Being able to protect one's body is the foremost importance in the event of occurrence of certain type of crisis situation and this can be achieved through proper learning and experiences

According, NDTI published 'Experiential Empathy for Disaster Safety (English Issue No. 1)' containing the status of activities of foreigners participating in various programs of NDTI in order to offer guidance on the learning opportunities to overseas short-term trainees and long-term students visiting Korea.

It is hoped that educational and research institutions accepting foreign trainees and students, etc. will share experiences widely with them, and we look forward to extensive interests and participation as the doors to Disaster Safety Experience Center are always open to everyone.

March, 2023

Status of Participation of Foreigners in 2022

Actual bodily experiencing of natural disasters and social disasters would be the most effective way of protecting our bodies against such adverse external environments.

It is because such experiences will provide firm foundation on which to nurture confidence rather than nervousness, anxiety and confusion at the time of outbreak of emergency situations such as fire and earthquake, etc.

During the year of 2022, a total of 102 foreigners underwent disaster safety experience training and education at NDTI, an educational institution specializing in the area of disaster safety.

A total of 3 educational operation institutions participated in the provision of disaster safety experience education. In terms of the No. of trainees among the participating countries (total of 27 countries), Malaysia had the largest number at 25, followed by Indonesia with 12, and each of Laos and Thailand with 8 trainees.

Institutions participating in educational operations

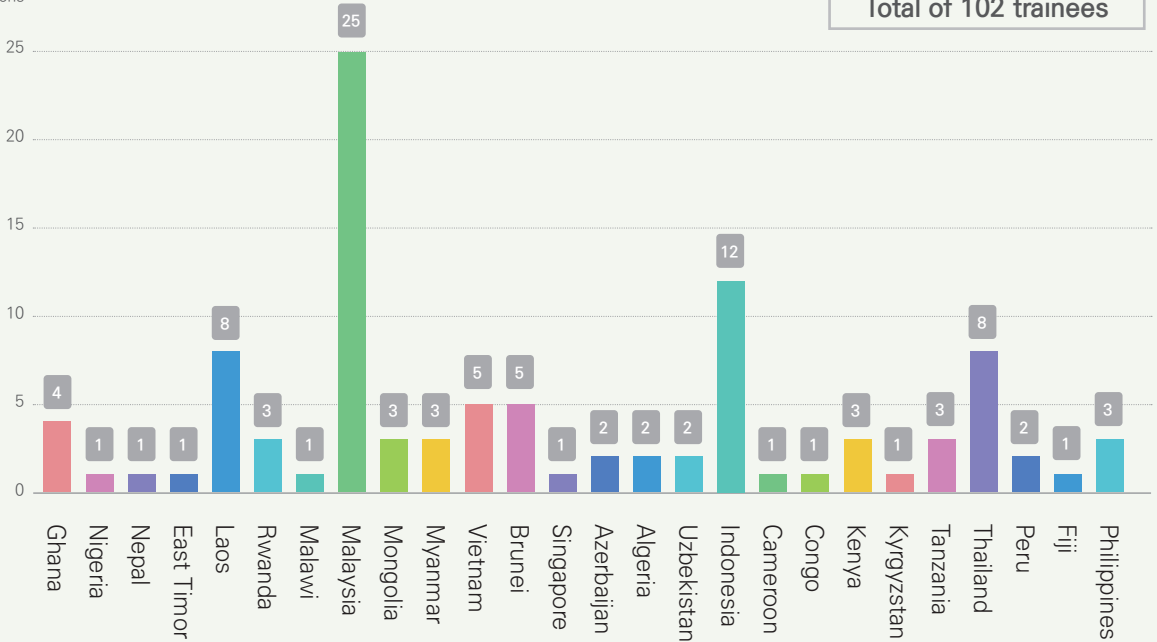
[Unit : Persons]

Educational operation institutions	Educational programs	Participating countries	No. of foreigners
3 institutions			102
National Human Resources Development Institute (NHI)	High level national public official program	1 country	19
NDTI	ASEAN disaster management capability reinforcement program	10 countries	45
Sungkyunkwan University	Global MPA program at the graduate school specializing in government administration	19 countries	38

Nationality of participating trainees

No. of persons

Total of 102 trainees



We believe that it was possible to provide disaster safety experience education for these trainees because of the extensive interests and considerations of the educational institutions in Korea that participated in the provision of programs. It is hoped that the disaster safety experience education system they have experienced will be greatly helpful in coping with various disasters in their home countries upon their return.

① Experiencing of life of short-term foreign trainees at central administrative educational institution

NDTI is also implementing disaster safety experience education for foreign students currently undergoing training at numerous educational institutions in Korea.

It is possible to safely enjoy disaster safety experiences since English leaflets and professional career officers (teaching staffs) with proficiency in English are always at hand in order for foreigners to easily understand and experience the contents of the experiential programs.

A total of 64 foreigners completed disaster safety experience education in September 2022. 19 public officers from Malaysia participated in the foreigner training program operated by NHI (high level national public official program) and 45 public officers in charge of disaster management in ASEAN countries participated in the foreigner training program operated by the NDTI (ASEAN disaster management capability reinforcement program) through commissioning by KOICA.

In terms of the No. of trainees for each of the participating countries, Malaysia had the largest No. of trainees with 25, followed by each of Indonesia and Thailand with 8, and Laos with 6 trainees.

Current status of participation for each country (in alphabetical order – left to right)

Countries	No. of persons	Countries	No. of persons	Countries	No. of persons
Total	64	Brunei	5	East Timor	1
Indonesia	8	Laos	6	Malaysia	25
Myanmar	3	Philippines	3	Singapore	1
Thailand	8	Vietnam	4	–	–

Public officers of overseas countries displayed extensive interests in disaster safety experience facilities. They also illustrated volition to introduce the disaster safety experience system of Korea in their home country upon return following their education as their countries do not have facilities that enable the general public to experience disaster safety. Obviously, their responses to the system in Korea were excellent.

Wouldn't it be great to provide opportunities to use the Disaster Safety Experience Center of NDTI to the trainees if there is foreigner training program operated by educational institutions in Korea? In addition, it would also offer an opportunity to compare the area of disaster safety in Korea with those in their own countries.



Visit to civil defense evacuation facility
experience center



Experience the use of
descending lifeline

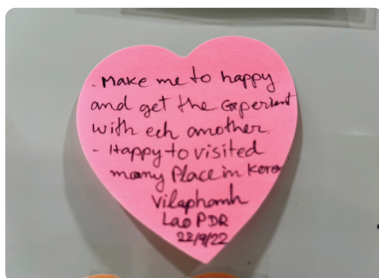


Experience virtual rapids

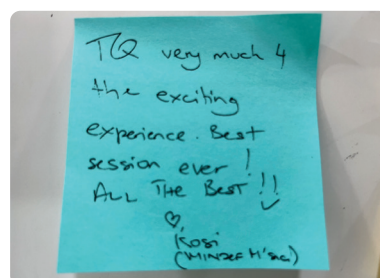
Experiential activities of foreigners



Experience escape from smoke-filled room



Experiences at this place offered
me a great deal of happiness.



All the programs provided me the
best experiences in my life.
They were simply the best.

It seems that public officers of overseas countries were also curious about many things.



① (Philippines) In what types of buildings is descending lifeline installed?



Descending lifelines are installed from the 3rd to the 10th floors of apartment buildings as well as in multi-purpose and commercial buildings.



I believe apartments in our country need to benchmark such system.

② (Indonesia) Where would vertical escape chute be installed?



Vertical escape chute is installed in multi-purpose building, school, commercial building and hospital, etc., and is extremely useful in aiding escape by large group of people. Does Indonesia have similar system in place?



It is a problem since we have no such system at all. Disaster safety experience education system like this is truly necessary in our country. A short while ago, large-scale fire broke out in the city I live in and results in extensive human casualties. I would have been possible to save many of these people if we has such system and I am determined to pursue extensive interaction with Korea continuously.

③ (Myanmar) For whom is the Experience Center conducting education?



Those being taught at the Experience Center include public officers involved with disaster safety at central and local governments, staffs at public corporation and organizations, and students, etc. Does Myanmar also have similar safety experience education system for public officers?



There is no disaster safety experience education system for public officers in our country. I believe there is definite need for us to benchmark such system of Korea.

② Experiencing of life of long-term foreign students at key universities in Korea

NDTI has established ‘Collaboration system for disaster safety management program’ for foreign graduate school students (public officers, etc.) with key universities in Korea in order to share disaster safety related policies of Korea with these students.

A total of 38 foreign graduate school students enrolled in a master’s degree programs (Global MPA program at the graduate school specializing in government administration) at Sungkyunkwan University participated in the ‘Disaster management program’ conducted for the first time as a trial on November 4, 2022. These students were composed of public officers, and staffs and executives of public institutions of a total of 19 overseas countries.



The graduate school students attentively listened to 2 hours of special lecture given in English by the Director General on ‘COVID-19 response system of Korea’ on the day and underwent experiential education at 6 facilities including those for screening of 4D videos, escaping from smoke-filled room and cardiopulmonary resuscitation (CPR), etc.

However, it would be boring and uninspiring to proceed the 2 hours of special lecture only with lecturer-oriented education, wouldn't it? Therefore, greater interest and participation of the students were induced by giving quizzes and valuable gift necessary in while studying in Korea (towel set) was presented to students who gave the correct answers.

Countries and No. of persons participating in the program are as follows

Countries	No. of people	Countries	No. of people
Indonesia	4	Algeria	2
Ghana	4	Vietnam	1
Kenya	3	Nepal	1
Tanzania	3	Kyrgyzstan	1
Rwanda	3	Fiji	1
Mongolia	3	DR Congo	1
Peru	2	Nigeria	1
Azerbaijan	2	Malawi	1
Laos	2	Cameroon	1
Uzbekistan	2	38 persons from 19 countries	



Special lecture
by the Director General



Presentation of gifts for
solving quizzes



Experiencing cardiopulmonary
resuscitation (CPR)

NDTI in planning to entice a greater number of foreign graduate school students (public officers, and staffs and executives of public institutions in each country) to participate in the program by continuously fortifying the foundation for collaboration system for disaster management program with key universities in the future. Moreover, NDTI hopes that these students would be able to graft the advanced disaster safety policies and systems of the Republic of Korea onto the disaster management policies, etc. of their home countries upon their return.

Quizzes to induce interest

Quiz 1 Who is the chief of Central Disaster and Safety Countermeasures Headquarters when infectious disease alert crisis level is raised to serious?

- ① Interior minister ② Health minister ☒ ③ Prime minister ④ Defence minister

Quiz 2 Which of the following is not one of the four key strategies of K-quarantine system?

- ① Testing ② Quarantine ③ Tracing ④ Treating ☒ ⑤ Lockdown

Quiz 3 Which of the following is not the role of the Ministry of Interior and Safety (MOIS) in tackling COVID-19?

- ① Overall management of people in self-quarantine
② Securing vaccines and setting a general vaccination plan
③ Declaring a special disaster zone
④ Operating the pan-government quarantine inspection team
☒ ⑤ Helping local governments secure residential treatment centers

You can acquire diversified experiences by visiting NDTI



You may be curious about what can be experienced and learned by visiting the Disaster Safety Experience Center operated by NDTI.

Largely, you can view 4D disaster videos, and experience social and natural disasters, daily life safety and escaping from crisis, as well as visit relevant facilities such as civil defense and emergency preparation facilities.

Introduction to experiential centers and 4D disaster screening theater

Experiential venue for learning the techniques of responding to disasters that occur through introduction of experiential center and viewing of 3D earthquake and fire disaster videos.



Orientation room



4D disaster video
screening theater

First, 4D disaster video screening theater is an experiential venue for learning the techniques of responding to disasters that occur through viewing of stereoscopic 3D video. You can learn about the techniques of coping with fire that breaks out at home, dangerousness and destructive power of earthquake, and actions to be taken in the event of earthquake.

In addition, you will be able to acquire common safety knowledges by viewing videos on the techniques in coping with each type of climatic disasters (typhoon, severe cold and heatwave, etc.), and safety during aquatic leisure activities, etc.

Social disaster experiential facility

Experiential venue to learn the methods of quick evacuation and using fire extinguisher in the event of fire, and to improve the ability to respond to crisis situation.



Experience center for
escaping from
smoke-filled room



Experience center for
outdoor fire extinguisher



Experience center for
indoor fire extinguisher

Social disaster experience facility is a venue for experiencing of escape from smoke-filled room, and outdoor and indoor fire extinguisher. You will learn how to use fire extinguisher to suppress fire that breaks out in its initial stage, and method of quickly evacuating from the indoor space filled with black smoke that severely hinders visibility. Outdoor fire extinguisher experience center, unlike the indoor fire extinguisher experience center, is the only venue at which you can personally experience actual fire extinction with fire extinguisher (with capacity of 1.5 kg).

Natural disaster experiential facility

Experiential venue to learn the technique of responding to disaster that occurs through experiencing of earthquake, wind tunnel and virtual rapids.



Earthquake
experience center



Virtual rapids
experience center



Wind tunnel
experience center

Natural disaster experience facility is composed of earthquake, virtual rapids and wind tunnel experience centers. You will learn the techniques of coping with earthquake by riding vibration simulator with seismic intensities of 5.0, 6.0 and 7.0 at the earthquake experience center, and how to cope with situation of being swept by rapids by wearing VR headset at the virtual rapids experience center. Moreover, you will experience the force of gale wind (with maximum wind speeds of 20 m/s and 30 m/s) at the wind tunnel experience center.

Daily life safety and crisis escape experiential facility

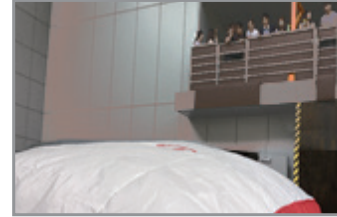
Experiential venue to learn cardiopulmonary resuscitation (CPR) technique in preparation of the occurrence of emergency patients, and technique of evacuating from crisis situation using evacuation devices.



CPR experience center



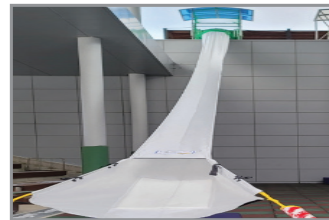
Descending lifeline
experience center



Safety air mat
experience center



Vertical escape chute
experience center



Sloped escape chute
experience center

Daily life safety and crisis escape experiential facility is composed of CPR, descending lifeline, safety air mat, vertical escape chute and sloped escape chute experience centers. At the CPR experience center, you will learn the ability to cope with actual situation of having to save a life in the event of occurrence of emergency situations such as cardiac arrest by using apparatus such as mannequin (adult, child and infant), automated external defibrillator and mannequin with obstructed respiratory tract, etc. You will learn the basic techniques of safe evacuation at the time of fire from the heights of 3rd floor (7 m) and 4th floor (12 m) apartment building at the descending lifeline experience center, from the height of 3rd floor at the safety air mat experience center, and from the height of 12 m, which is the highest elevation in Korea, at the vertical and inclined escape chute experience centers.

Civil defense and emergency preparation experiential facility

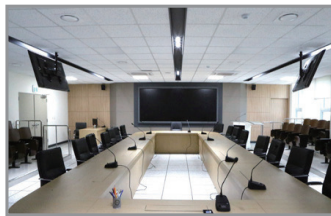
Experiential venue to learn cardiopulmonary resuscitation (CPR) technique in preparation of the occurrence of emergency patients, and technique of evacuating from crisis situation using evacuation devices.



Civil defense evacuation
facility experience center



Civil defense warning
facility experience center



Disaster situation practice
room



Chemical, biological and
radiological (CBR) disaster
experience center

Experiential facility for civil defense and emergency preparation, etc. is composed of civil defense evacuation facility, civil defense warning facility, and chemical, biological and radiological (CBR) disaster experience centers, and disaster situation practice room. This experiential facility is operated mainly for provision of education by linking with in-house educational programs implemented for public officers at central and local governments.



Institutions, organizations and schools wanting to experience disaster safety at the NDTI situated in Sagok-myeon, Gongju-si can enjoy diversified experiences and learn to ensure the safety of relevant persons by making inquiries and submitting application for participation. (Tel : 041-840-6506, Website : experience.ndti.go.kr)

How to get here



- The contents of this Experiential Empathy for Disaster Safety is protected under the Copyrights Act and unauthorized reprinting is strictly prohibited.
- Contents of this Experiential Empathy for Disaster Safety can be viewed through experience.ndti.go.kr.
- Please direct your inquiries on this Experiential Empathy for Disaster Safety to the following contact numbers.

Lee Min Hyun, Disaster Safety Experience Center of Civil Defense & Emergency Response Education Department **Tel** 041-840-6506 **E-mail** alsgus05@korea.kr

