







KEITI

# The Path to a Sustainable Tomorrow

KEITI will open the path to a sustainable tomorrow,  
the path to green new deal.



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President Message



TO CLEAN AND SAFE  
ENVIRONMENT,  
KEITI WILL LEAD THE WAY.

“We are deeply committed to making a clean and safe environment for all.”

Fine dust clouding our cities, wastes and industrial wastewater that are disposed without being properly treated, hazardous chemicals in humidifier sterilizers and damaged ecosystem are key environmental issues that degrade our quality of life.

KEITI fosters the environmental industry and supports the development of environmental technologies that clean our air and water, recycle and treat wastes and heal our natural environment. We seek to unburden those suffering from polluted environment and harmful substances and help the people lead an environmentally-friendly lifestyle.

Science, technology and industries cannot solve every environmental issue that we face today. But they can lead us to a solution. An environmentally-friendly lifestyle will definitely add to that effort. The reason the country and public organizations exist is to care for environmentally-marginalized and vulnerable people and to ensure that the social value of coexisting with the local communities is realized.

Everyone here at KEITI is committed to doing our best with respect for everyone to ensure that our customers are satisfied. As a result of our commitment, environmental welfare services provided to the public and to every Korean citizen will be improved and environmental sustainability will be enhanced.

We ask for your continual support and encouragement.

Thank you,

President of  
Korea Environmental Industry and  
Technology Institute

유 제철



# History



## 2009-2010

- 2009. 04.** Established as Korea Environmental Industry & Technology Institute
- 2009~** Implemented Environmental Product Declaration (EPD) system
- 2009~** Initiated the operation of training programs for professionals in the environmental sector



## 2011

- 2011. 06** Established Environmental cooperation centers in China, the Viet Nam and Indonesia



## 2012

- 2012. 05** 20th anniversary of Eco-Label System
- 2012. 11** Established Environmental Analysis Center

## 2013

- 2013. 01** Designated as an advisory body to the Sustainable Public Procurement Initiative led by the United Nations Environment Programme (UNEP SPPI)

## 2014

- 2014. 01** Initiated the provision of support for the victims of humidifier disinfectants
- 2014. 03** Established environmental cooperation centers in Columbia and Algeria



## 2015

- 2015. 03** Established Soil Environment Center
- 2015. 10** Won the Green World Champion 2015 for KEITI's Green Credit Card program
- 2015. 12** Promulgated Korea Environmental Industry & Technology Institute Act



## 2016

- 2016. 01.** Implemented Compulsory Environmental Impairment Liability Insurance System
- 2016. 12** Enforced Korea Environmental Industry & Technology Institute Act
- 2016. 12** Relocated to a new office building



## 2017

- 2017. 07** Established Environmental Industry Research Complex
- 2017. 11** Received the United Nations "Momentum for Change" Climate Solutions Award for KEITI's Green Credit Card program

## 2018

- 2018. 05** Accredited by national certified testing agency KOLAS (Korea Laboratory Accreditation Scheme)
- 2018. 05** Started operating relief system for asbestos victims
- 2018. 12** Held the first Environmental Start-up Expo

## 2019

- 2019. 02** Opened the Household Chemical Products & Biocides Center
- 2019. 04** The 10th anniversary of KEITI

## 2020

- 2020. 09** Established International Environmental cooperation centers



- 2020. 11** Designated 11 universities as specialized graduate school for green convergence technology

# Mission

To promote the innovation of the environmental industry and the environmental technologies that drive the sustainable society and to contribute to healthy and happy lives of the people by protecting them against environmental harms.

# Vision

To be a global environmental agency that, together with the people, opens the door to the future.





The path to

Carbon neutrality  
beyond challenge

KEITI will open a greener tomorrow by discovering environmental technologies that make carbon neutrality a reality and through convergence of smart technologies.







01

## DEVELOPMENT OF ENVIRONMENTAL TECHNOLOGIES

KEITI contributes to environmental conservation and economic growth through environmental technology development projects involving soil, water quality, soil pollution, etc.

### Projects KEITI supports for the development of environmental technologies

- 1 MRB membrane fouling reduction technology
- 2 Demonstrative facility for PM10 capture
- 3 Anaerobic digestion facility for organic waste



### Support for Development of environmental Technology

- Global Top Environmental Technology Development / Technological innovation development for promising green companies / Development of technologies to respond to disasters at environmental facilities
- Plant research project / Technology development for innovating sewage and water supply system / Research project on on-demand water supply service / Project for smart urban water resources management / Water management research project / Technology development to ensure health of water ecosystem / Development of domestic technologies to produce high-purity industrial water / Development of hydrothermal heating / air conditioning and renewable heat hybrid system
- Development of Environmental Technologies for Chemical Accident Response / Development of Practical Technologies for Environmental Health / Establishment and development of a digital survey foundation for environmental health / Development of core technologies to prevent and control environmental diseases / Development of technologies to control biologically-harmful factors for indoor air quality / Development of household chemical safety management technology
- Technology Development for Management of Pollution and Hazards of Subsurface Environment / Development of technology to conserve and manage top soil
- Development of a technology to recycle household waste / Development of a technology to measure microplastics and evaluate risks / Development of a technology to improve circular utilization of products that inhibit recycling / Add a project to develop a technology to treat potentially-infectious medical waste / Project to make multi-ministerial national biological research resources more advanced
- Invasive Species Management Program / Development of a technology to promote the health of urban ecosystem / Development of a biomimicry-based environmental pollution management technology / Project to develop an eco-friendly new material derived from wildlife and processing technology
- Development of a technology to resolve and demonstrate management of air pollution blind spots
- Project to develop an ICT-based technology to assess environmental impact / Development of a public communication satellite for geostationary orbit



### Technology development support to solve environmental issues facing the people

- Support for key national technologies for green new deal and carbon neutrality
- Support for development of a technology to solve environmental issues, such as air pollution, microplastic, wastes, etc.
- Listen and apply public feedback and develop a technology customized for end-users

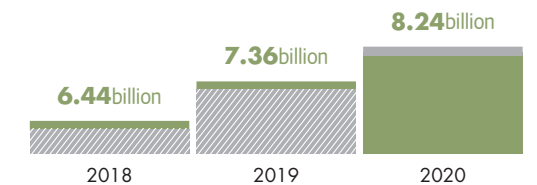
### Dissemination of the success of on-demand environmental technologies



- Engage in environmental technology partnerships and host roadshows to promote transfer of environmental technologies
- Host events to collect public opinions and share achievements

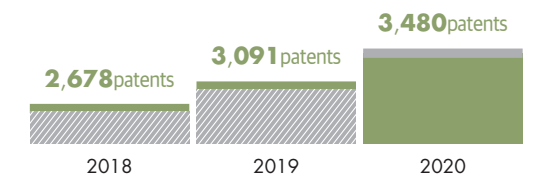
### Total Value of Environmental R&D Projects Commercialized (Domestic & Overseas)

**\$8.24** billion  
(cumulative basis)



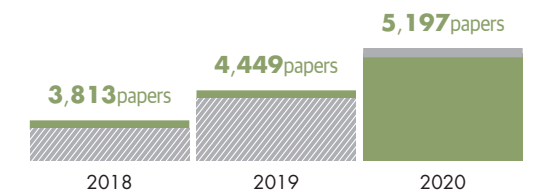
### No. of Registered Patents

**3,480** patents  
(cumulative basis)



### No. of Papers in SCI journals

**5,197** papers  
(cumulative basis)

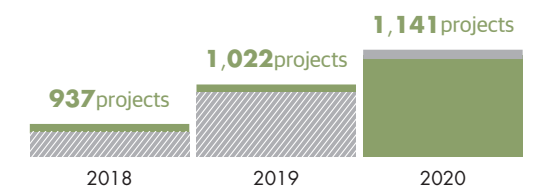


### Environmental R&D projects



### No. of new joint environmental R&D projects

**1,141** projects  
(cumulative basis)





SUPPORT FOR  
ENVIRONMENTAL  
INDUSTRIES



The path to

# Globalization of Environmental Industry

KEITI seeks to achieve green new deal  
by supporting environmental industries:  
from discovering promising companies to  
helping them expand globally.







## SUPPORT FOR ENVIRONMENTAL INDUSTRIES

KEITI offers various programs, such as designation of outstanding environmental company, policy fund financing to nurture the environmental industry and to create jobs in the industry. We also offer close support to environmental companies by operation of Environment Industry Science Park and running overseas branches.

### Projects KEITI supports for the development of environmental technologies

- 1 Sri Lanka sewage treatment facility,
- 2 Environment Industry Science Park
- 3 Global Green Hub Korea



#### Fostering the domestic environmental industry

Designation of leading environmental companies / Support creation of private sector jobs in the environmental industry / Operation of specialized graduate school for the environmental sector / Planning and management of a course to nurture environmental industry and technology experts, educating those working in the industry / Environmental industry research complex / Support eco-start up / Eco-Start-Up Challenge

#### Support for overseas expansion

Establishment of master plans for improving the environment in developing countries / Implementation of a feasibility study for overseas environmental projects / MDB environmental projects and collaboration projects / Discovering projects that support developing countries using Green Climate Fund / Trade shows with overseas buyers / Support for the global community's joint efforts in commercializing environmental technologies in overseas markets / Support environmental companies with professional consulting service to expand overseas / Centers to provide intensive support for local bidding process(China, VietNam, Indonesia, Columbia and Algeria) / Support operation of International Environmental Cooperation Center and handling of bilateral and multilateral environmental cooperation / Diagnosis of environmental facilities in developing countries and environmental policy consulting project / Operation of masters program for civil officers in environmental partner countries

#### Green financing support

Provision of loans from Environmental Policy Fund / Project to support commercialization of environmental technologies by SMEs / Operate financing support system for green management companies

#### Eco-friendly Business Management

Disclosure of Environmental Information / Green company designation program

#### Promote the dissemination of environmental technologies

Support field investigation of new environmental technologies and offer financial support for verification commission fees / Green certification / Functional verification of environmental technologies / Designation of environmentally innovative products



### Support growth of environmental companies

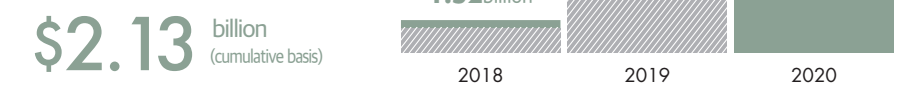


- Offer customized support to start a business through entrepreneur discovery and systematic programs
- Support commercialization of a technology so that promising environmental SMEs can successfully enter the market
- Provide financial support to outstanding environmental companies by giving them support in policy fund loan and in attracting private investment

#### Support to commercialize technologies by environmental companies

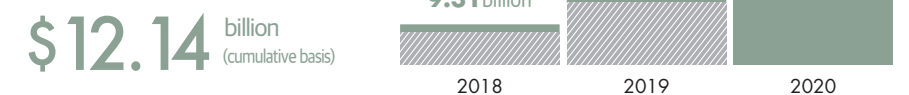


#### Total Amount of Loans Taken Out from Environmental Policy Funds



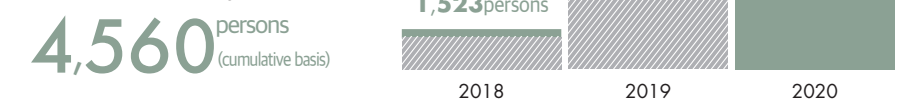
- Discover overseas projects and expand project participation opportunities through public-private partnership
- Provide professional consulting for environmental companies to expand overseas and offer support for discovering overseas sales channel

#### Export Volume driven by KEITI's Export Support Activities



- Nurture outstanding professionals in the environmental industry
- Create jobs by supporting environmental SMEs commercialize their technologies
- Create social values through job creation

#### No. of job creations in the environmental industry



- Contribute to development of technology and nurture environmental industry through certification and verification of new environmental technology
- Promote private investment in green technology area by operating a green certification program

#### Financial performance of technology utilization



### Export Support for environmental companies



### Create jobs in the environmental industry



### Promote dissemination of environmental technologies





SPREAD  
ECO-FRIENDLY  
LIFESTYLES



The path to

# Lead a Low-Carbon Life

KEITI leads low-carbon lifestyle of the public and corporate management activities through a virtuous cycle of eco-friendly production and consumption.







## SPREAD ECO-FRIENDLY LIFESTYLES

KEITI promotes sustainable consumption and production through eco-certifications for products, such as Eco-Label, Environmental Footprint Labelling, etc. In addition, through various programs such as green card, green store designation, Eco-EXPO Korea, etc., KEITI seeks to spread eco-friendly lifestyle and culture.

### KEITI programs to spread eco - friendly lifestyle

#### Environmental Certification

- Korea Eco-Label, Residential gas boiler ertification program
- Environmental Product Declaration (EPD), Green building certification
- Testing and analysis of product eco-friendliness
- Circular utilization and circular resources quality mark certification

#### Promote Sustainable Consumption

- Green Credit Card
- Designation of Green Stores
- Promotion of of eco-friendly technologies and operation of government award system to promote consumption of eco-friendly technologies
- ECO-EXPO KOREA

#### Ensure that the eco-friendly product market is systematic

- Post-management of eco-labelled products
- Investigation into unauthorized use of eco-labels
- Monitoring and management of eco-friendliness label and advertisement

- 1 Ceremony for Outstanding Agencies for Public Procurement
- 2 Green products
- 3 Green Credit Card
- 4 ECO-EXPO KOREA
- 5 Green Store designation



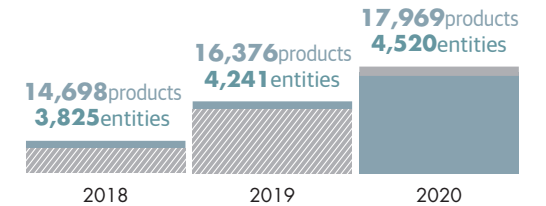
### Expand the foundation for green production



- Help companies secure competitiveness and support eco-friendly lifestyle of the public through Eco-Label and Environmental Footprint Labelling
- Support environmental management of companies and help them become reliable, trustworthy companies by disclosing their environmental information
- Promote circular utilization evaluation and quality label certification for recycled resources programs

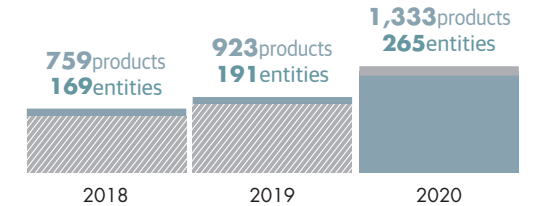
#### Eco-Label Products

**17,969** products  
(as of 2019)  
**4,520** companies  
(as of 2019)



#### Products certified via Environmental Product Declaration

**1,333** products  
(as of 2019)  
**265** companies  
(as of 2019)



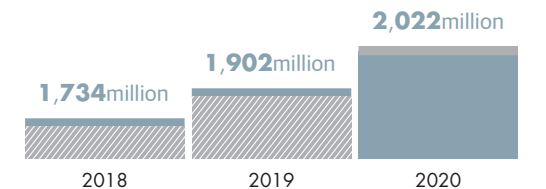
### Promote a culture of green consumption



- Build infrastructure and offer information to increase consumers' access to green products
- Develop and run programs such as ECO-EXPO Korea, Green Credit Card, environmental campaigns, etc. to help the public practice green consumption
- Promote green public procurement

#### No. of Green Credit Cards Issued

**2,022** million  
(cumulative basis)



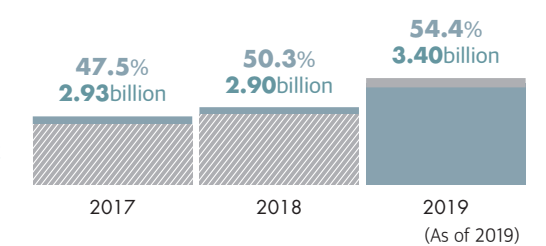
#### No. of Green Store

**643** stores  
(cumulative basis)



#### The amount purchased through Green Public Procurement

**54.4** procurement rate  
%  
**\$3.40** procurement amount  
billion



- Control/manage green product market to increase credibility of green products
- Offer consulting on and evaluate eco-friendliness of products
- Disseminate green procurement system and ensure that eco-labeling is transferrable overseas through international cooperation

### Strengthen foundation to promote virtuous cycle of sustainability





## The path for all

KEITI will make the world free of harmful substances and environmental pollution so that everyone can enjoy a healthy, daily life.

## To feel safe







## ENVIRONMENTAL HEALTH & SAFETY(EHS)

KEITI supports safety management of household chemicals to protect the safety and health of the public while building a social safety network through environmental damage relief programs, such as a program to support the victims of humidifier sanitizer scandal. We are offering life-friendly health and welfare services for children and the vulnerable.

### Health and welfare & safety programs offered by KEITI

#### Establishment and operation of environmental damage relief system

- Environmental pollution damage relief
- Establishment and operation of the support center for victims of humidifier disinfectants
- Asbestos damage relief
- Support the vulnerable class with litigation against environmental damage and harm they suffer
- Provide environmental responsibility insurance and run re-insurance program

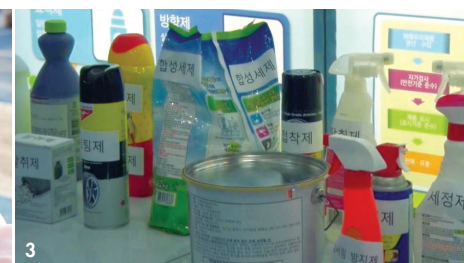
#### Policy support for safety management of household chemicals & biocide

- Status investigation into household chemicals and risk assessment
- Receive reports about household chemicals subject to safety verification and control
- Inspection of household chemical products
- Support enforcement of industrial laws and policy

#### Environment & health services in every life

- Environmental safety certification system for children's activity zones
- Support joint guidance and inspection for children's activity zones by local governments and offices of education
- Lifecycle management of environmental risk factors in children's products
- Birth cohort survey into health and welfare of each cohort
- Diagnose, offer consulting, and improve indoor environment of the vulnerable class

- 1 Market observers for household chemicals
- 2 Children's activity zone safety certification system
- 3 Household chemical safety management



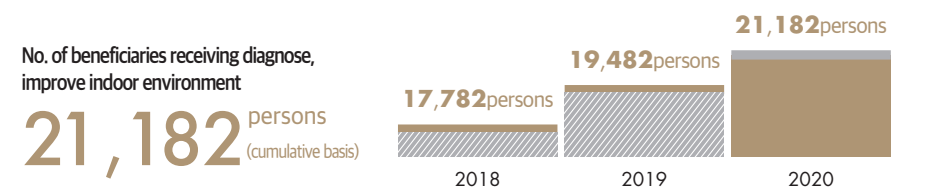
### Support prevention of environmental damage



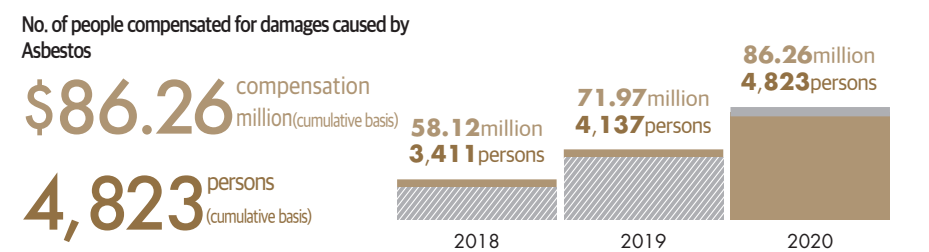
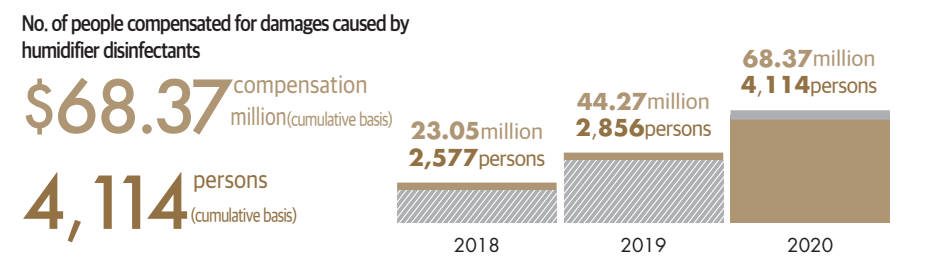
### Provide relief for environmental damage



- Ensure that household chemical safety management system takes root and gets disseminated
- Strengthen safety management of children's environment
- Diagnose and improve living environment of the environmentally-sensitive and vulnerable groups



- Provide a relief system that focuses on the victims and environmental responsibility insurance system
- Quick and fair relief for victims of humidifier sanitizer scandal
- Look for and strengthen support for asbestos victims







## A delightful path

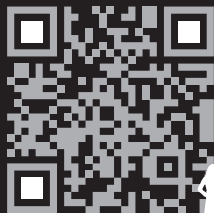
KEITI will strive to make Korea a more balanced and harmonious place.  
We are committed to our social responsibility so that we can make the world a better and a happier place where we can live together harmoniously.

Because we are  
on it together

중증장애인 고용창출을 위한  
기증물품 전달식

KEITI 한국환경산업기술원  
Korea Environmental Technology Institute

Goodwill Store  
굿윌스토어







05

## REALIZATION OF SOCIAL VALUES

26 Realization of Social Values

Korea Environmental Industry & Technology Institute 27



### Eco-friendly management & Social contribution activities

- Push forward an afforestation carbon offset project involving the public
- Environmental education program to nurture future experts in the field
- Afforestation carbon offset projects at home and abroad (Eco-Tree Campaign, "Together Green" Campaign, Paperless Campaign)
- Run a free semester Environmental education



### Mutually-beneficial cooperation with the local society

- Improve indoor environment for the environmentally-sensitive and vulnerable groups
- Contribute to revitalization of local economy and job creation
- Assess and improve living environment
- Reinvigorate the local traditional markets and contribute to the community
- Increase purchase of products from social enterprises
- Give out sponsored goods to the socially-vulnerable class
- Support job creation



- 1 Dr.Eco
- 2 Joint public/private/army Eco-Tree Campaign
- 3 Paperless Mongolia Drinking Water Program



- 4 Share sponsored goods to the vulnerable groups in Eunpyeong-gu
- 5 MOU to revitalize traditional markets
- 6 Give donated goods to create jobs for severely disable
- 7 MOU ceremony to improve indoor environment of the vulnerable class
- 8 Volunteer food rationing service at and donate food rations to the senior welfare center
- 9 Support greenification of public facilities in Eunpyeong-gu