





KEITI

The Path to a Sustainable Tomorrow

KEITI will open the way to a sustainable society.



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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.

In addition, Korea Environmental Industry and Technology Institute (KEITI) will make efforts to be the public institution trusted by the people by improving the fairness and transparency in its work based on ethical management and corruption exposing.

We ask for your continual support and encouragement.
Thank you.

President of
Korea Environmental Industry and
Technology Institute

Heung Jin Choi

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

2014

2014. 01
Initiated the provision of support
for the victims of humidifier
disinfectants

2014. 03
Established environmental
cooperation centers in Columbia
and Algeria

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



2013

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

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

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



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

2021

2021. 01
The 10th anniversary of
asbestos damage relief

2021. 05
Reporting and awards of
global top environmental
technology and
development project
performance

2021. 07
The 10th Anniversary of
Green Card

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

Institution specialized in environment solution for sustainable society



The path to

Realizing the green future

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

- Project of developing environmental technologies responding to new climate regime / Development of a technology to improve circular utilization of products that inhibit recycling / (Innovation Challenge Type) Technology of turning plasma-used waste organic materials into high value-added basic materials / Project of developing the technology of turning waste plastic-used materials into fuel / Project of developing the technology of promoting the recycling of waste resources generated in the future / Project of developing the technology of proving the conversion of waste resources-used energy / Development of a technology to measure microplastics and evaluate risks / Technological innovation development for promising green companies / project to develop a technology to treat potentially-infectious medical waste / Development of a technology to resolve and demonstrate management of air pollution blind spots / Project of developing the technology of proving Non-CO2 greenhouse gas reduction technologies / Project of developing the technology connected to the commercialization of air environment management technologies / Developing the smart technology of optimally reducing and managing fine dust in the workplace
- Development of hydrothermal heating/air conditioning and renewable heat hybrid system / Project of developing the energy resource recovery type highly-concentrated wastewater treatment process technology / Plant research project / Water management research project / Technology Development for Management of Pollution and Hazards of Subsurface Environment / Development of technology to conserve and manage top soil / Research project on on-demand water supply service / Project for smart urban water resources management / Project of developing a public geostationary multi-purpose communications satellite / Project of developing the innovative water management technology for drought response / Development of technologies to respond to disasters at environmental facilities / Technology development for innovating sewage and water supply system / Development of domestic technologies to produce high-purity industrial water / Technology development to ensure health of water ecosystem
- Project of developing the innovative flood prevention technology for climate crisis response / Development of household chemical safety management technology / Development of technologies to control biologically-harmful factors for indoor air quality / Project of developing the advanced technology for the prediction/prevention of chemical incidents / Invasive Species Management Program / Project to develop an ecofriendly new material derived from wildlife and processing technology / Project to make multi-ministerial national biological research resources more advanced / Development of a technology to promote the health of urban ecosystem / Development of a biomimicry-based environmental pollution management technology / Project to develop an ICT-based technology to assess environmental impact / Developing technologies to evaluate the value of wetland ecosystem and increase the value of carbon absorption / Development of core technologies to prevent and control environmental diseases / Establishment and development of a digital survey foundation for environmental health



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

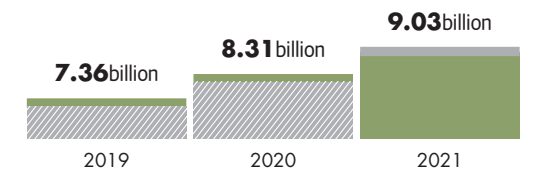


Environmental R&D projects



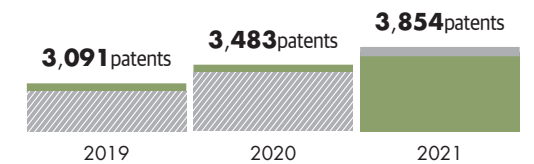
Total Value of Environmental R&D Projects Commercialized (Domestic & Overseas)

\$9.03 billion
(cumulative basis)



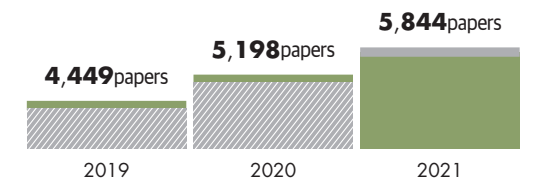
No. of Registered Patents

3,854 patents
(cumulative basis)



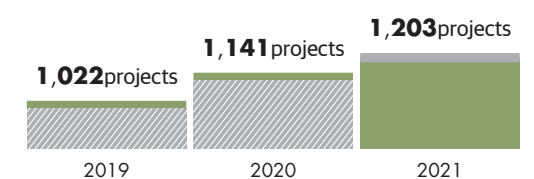
No. of Papers in SCI journals

5,844 papers
(cumulative basis)



No. of new joint environmental R&D projects

1,203 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.





02

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 Egypt waste to resource plant
- 2 Environment Industry Science Park
- 3 Established International Environmental Cooperation Center
- 4 Eco-Start-Up Challenge



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 / Support for developing the climate change response project of developing countries / 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) / Secretariat for the International Environmental Cooperation Center of Korean Ministry of Environment / Diagnosis of environmental facilities in developing countries and environmental policy consulting project / Master's Program for Future Global Leaders in Environmental Policy / Project of supporting the registration of overseas environmental vendors / Project of supporting the distribution of appropriate environmental technologies

Green financing support

Green financing support / Scale-up Support Program for Environmental Small-Medium Enterprise(SME) / Operate financing support system for green management companies

Eco-friendly Business Management

Disclosure of Environmental Information / Green company designation program / Eco-friendly business consulting / Eco-friendly business consulting

Promote the dissemination of environmental technologies

Certification for new environmental technologies & Technology verification / Green certification / Functional verification of environmental technologies / Designation of environmentally innovative products

Support growth of environmental companies



Export Support for environmental companies



Create jobs in the environmental industry



Promote dissemination of environmental technologies

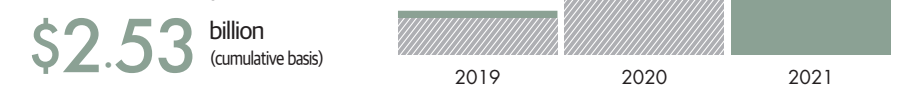


- Offer customized support to start a business through entrepreneur discovery and systematic programs
- Support commercialization of a technology so that promising environmental SMEs can successfully enter the market
- Provide financial support to outstanding environmental companies by giving them support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

Support to commercialize technologies by environmental companies

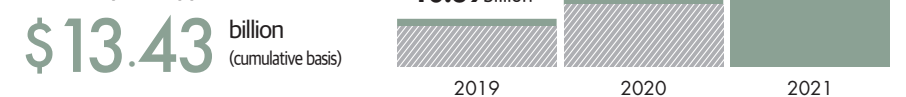


Total Amount of Loans Taken Out from Environmental Policy Funds



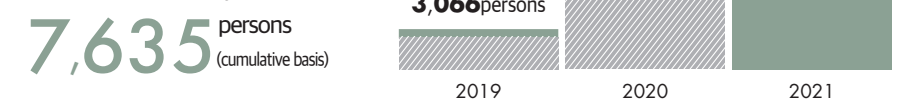
- Discover overseas projects and expand project participation opportunities through public-private partnership
- Provide professional consulting for environmental companies to expand overseas and offer support for discovering overseas sales channel

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



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.





03

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

Promoting green consumption lifestyle

- 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
- System for mandatory purchase of green products

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 Environmental Product Declaration (EPD) Certification System
- 4 ECO-EXPO KOREA
- 5 Green Store designation



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Spread
ECO-Friendly LifestyleKorea Environmental Industry &
Technology Institute

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Expand the foundation for green production

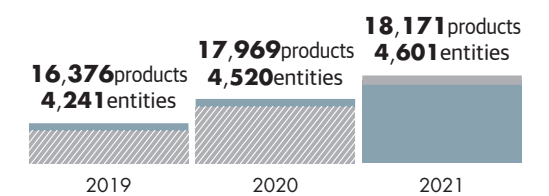


- Help companies secure competitiveness and support eco-friendly lifestyle of the public through Eco-Label and Environmental Footprint Labelling
- Support environmental management of companies and help them become reliable, trustworthy companies by disclosing their environmental information
- Promote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

Eco-Label Products

18,171 products
(as of 2019)

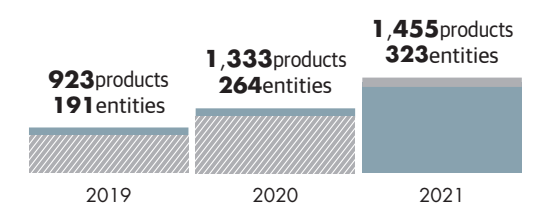
4,601 companies
(as of 2019)



Products certified via Environmental Product Declaration

1,455 products
(as of 2019)

323 companies
(as of 2019)



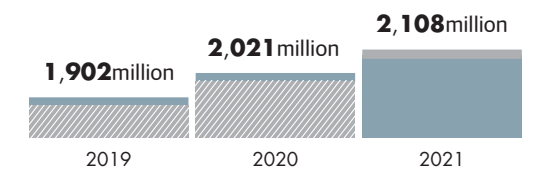
Promote a culture of green consumption



- 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

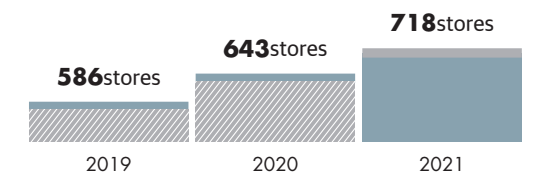
No. of Green Credit Cards Issued

2,108 million
(cumulative basis)



No. of Green Store

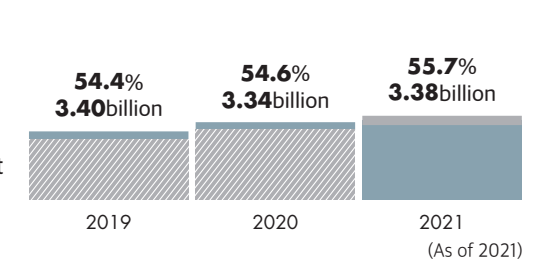
718 stores
(cumulative basis)



The amount purchased through Green Public Procurement

55.7 procurement rate
%

\$3.34 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





04

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

- 1 Market watchdog for the environmental health of children's products
- 2 Children's activity zone safety certification system
- 3 Verification mark for the safety standards of consumer chemical products
- 4 Voluntary convention for the safety control of consumer chemical products
- 5 Excellent products with reduced chemicals



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
- Biocidal product damage relief

Provide relief for environmental damage

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

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 of safety management of household chemicals

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



Support prevention of environmental damage

(As of Dec. 2021)

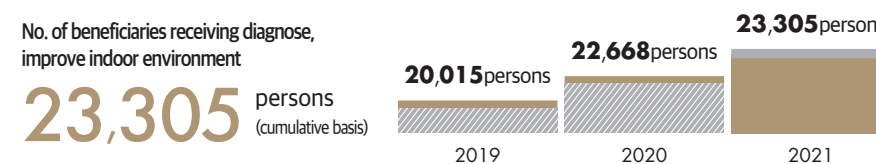
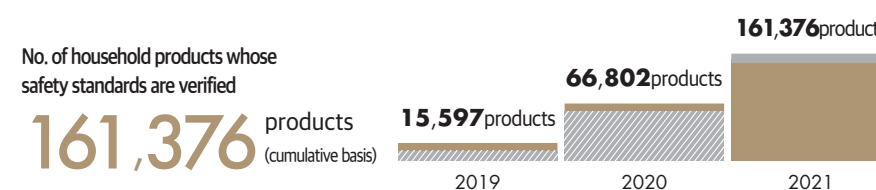


Provide relief for environmental damage

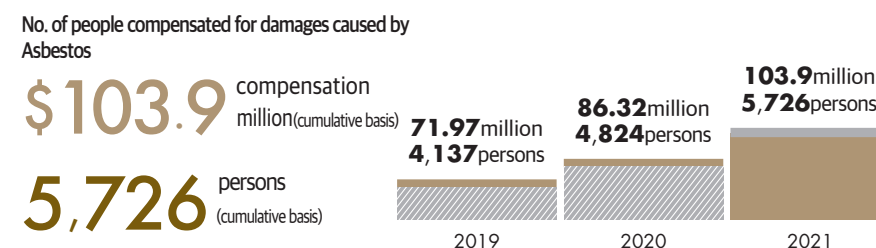
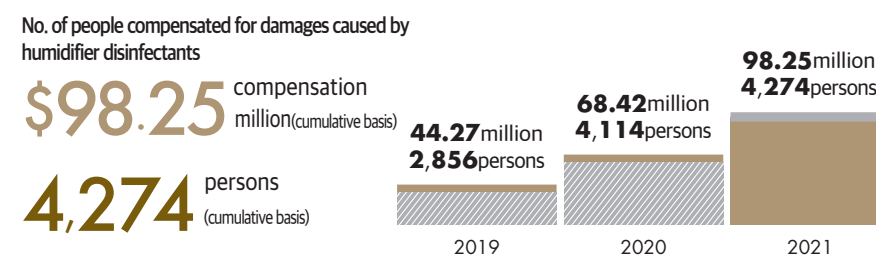
(As of Dec. 2021)



- 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



- Victim-centered environmental pollution damage relief
- 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





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 Social contribution activity of helping children with cancer by both labor and management
- 4 Donation of boilers for family use to the vulnerable
- 5 Support for the response to summer heat wave
- 6 Green remodeling



- 7 Share sponsored goods to the vulnerable groups in Eunpyeong-gu
- 8 MOU to revitalize traditional markets
- 9 Give donated goods to create jobs for severely disabled
- 10 MOU ceremony to improve indoor environment of the vulnerable class
- 11 Delivering donation for Gyeongbuk and Gangwon wildfire damage restoration
- 12 Support greening of public facilities in Eunpyeong-gu