



ASEIC

ASEM SMEs Eco-Innovation Center

Annual Report 2017





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ASEM SMEs Eco-Innovation Center





Contents

Chapter 1	Message from the Chairman	● 04
Chapter 2	Introduction	● 07
Chapter 3	2017 Major Projects and Outcomes	● 10
	· ASEM Eco-Innovation Capacity Building Program	● 12
	· ASEM Eco-Innovation Index (ASEI)	● 19
	· Green Business Center	● 25
	· ASEIC Global Forum	● 31
	· Eco-Innovation Technology Matching Program	● 37
	· ASEM Working Group on SMEs Eco-Innovation Competence	● 41

Message
from the
Chairman

Chapter 1

ASEIC

ASEM SMEs Eco-Innovation Center



ASEIC celebrated its fourth year since becoming an independent foundation in 2014. In 2017, the Center rolled out various projects to achieve the goal of 'Promoting Eco-Innovation of SMEs through Asia-Europe Cooperation'.

For this purpose, ASEIC held the Eco-Innovation Seminar to raise awareness on eco-innovation among SMEs and related public officials in ASEM regions, along with the 2017 ASEIC Global Forum to provide a global platform for experts to convene and exchange ideas on eco-innovation. The Center also continued the implementation of its projects including the ASEM Eco-Innovation Index (ASEI) which assesses the eco-innovation status of ASEM member countries to provide a basis for related policy-making, the Eco-Innovation Technology Exchange Program which develops online and offline opportunities for technological interaction among ASEM SMEs, and the operation of the Green Business Center established to encourage ASEM SMEs to enter global markets and engage in mutual exchange.

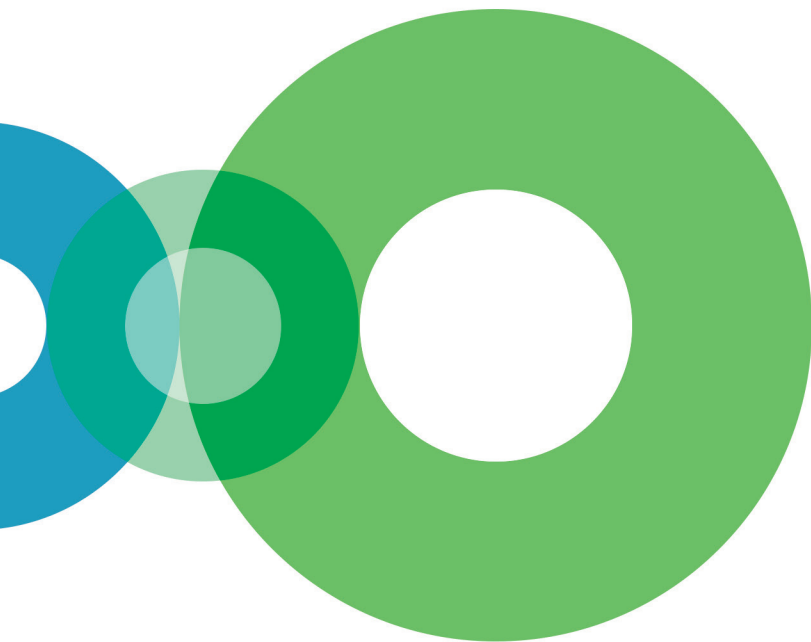
In 2018, ASEIC intends to put greater effort into increasing its influence and improving awareness of the Center in the field of eco-innovation technology both within Korea and on the global stage. By improving the quality of its ongoing projects and launching new projects through active cooperation with stakeholders from different fields and levels, ASEIC will strive to do its utmost to function as a bridge in promoting eco-innovation between SMEs in Asia and Europe.

Thank you.

March 2018

Seong Myeong-gi

Chairman, ASEM SMEs Eco-Innovation Center



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Introduction



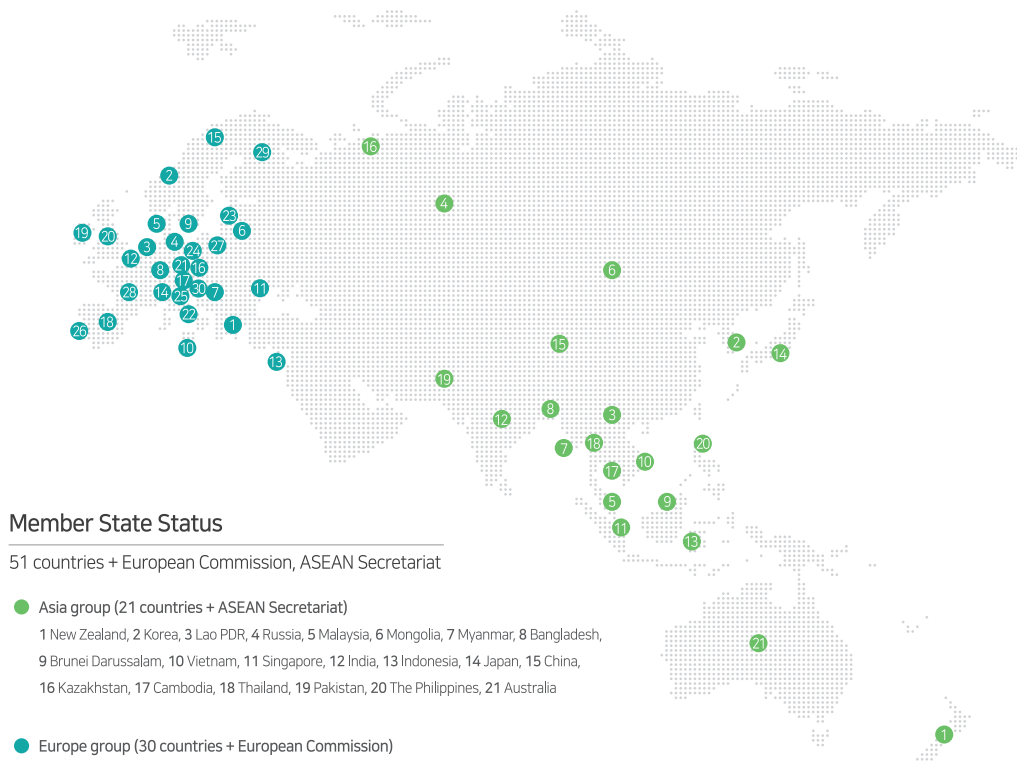
About ASEIC

The ASEM SMEs Eco-Innovation Center (ASEIC) is an intergovernmental body that promotes the green growth of small and medium-sized enterprises (SMEs) in Asia and Europe. It was endorsed at the 8th ASEM Summit in 2010 and established in South Korea in 2011.

About the Asia-Europe Meeting (ASEM)

In October 1994, Singapore proposed creating an intergovernmental body founded on the equal partnership of Asian and European countries. Following this proposal, the Asia-Europe Meeting (ASEM) was initiated with the 1st ASEM Summit that took place in Thailand in 1996. Currently consisting of 51 member states, the European Commission, and the ASEAN Secretariat, ASEM holds summits every two years, alternating host locations between Asia and Europe. Apart from the Summit, which is the highest-level forum, there are various levels of regular meetings such as the Senior Officials' Meetings and Ministerial Meetings, including the Foreign Ministers' Meeting, Economic Ministers' Meeting, and Finance Ministers' Meeting. ASEM undertakes a wide range of initiatives promoting political, economic, and socio-cultural cooperation.

*Source : "ASEM Overview," September 2010, Ministry of Foreign Affairs, Republic of Korea



Member State Status

51 countries + European Commission, ASEAN Secretariat

● Asia group (21 countries + ASEAN Secretariat)

1 New Zealand, 2 Korea, 3 Lao PDR, 4 Russia, 5 Malaysia, 6 Mongolia, 7 Myanmar, 8 Bangladesh, 9 Brunei Darussalam, 10 Vietnam, 11 Singapore, 12 India, 13 Indonesia, 14 Japan, 15 China, 16 Kazakhstan, 17 Cambodia, 18 Thailand, 19 Pakistan, 20 The Philippines, 21 Australia

● Europe group (30 countries + European Commission)

1 Greece, 2 Norway, 3 Netherlands, 4 Germany, 5 Denmark, 6 Latvia, 7 Rumania, 8 Luxembourg, 9 Lithuania, 10 Malta, 11 Bulgaria, 12 Belgium, 13 Cyprus, 14 Switzerland, 15 Sweden, 16 Slovakia, 17 Slovenia, 18 Spain, 19 Ireland, 20 United Kingdom, 21 Austria, 22 Italy, 23 Estonia, 24 Czech Republic, 25 Croatia, 26 Portugal, 27 Poland, 28 France, 29 Finland, 30 Hungary

History

ASEIC was launched on 15 June 2011, following the official endorsement of its establishment and operation at the 8th ASEM Summit. ASEIC was operated by the Small and Medium Business Corporation (SBC) until it became an independently-managed foundation in 2014 to better implement projects that foster the inclusive green growth of ASEM member states. ASEIC has since supported technological cooperation and driven eco-innovation among SMEs in the ASEM region, solidifying its position as an intergovernmental body committed to greening SMEs.

ASEIC Activities

The ASEM Eco-Innovation Consulting Project sends a team of professional consultants to SMEs in the ASEM region and provides customized consulting services to improve their green competitiveness.

The ASEM Eco-Innovation Technology Exchange Program matches SMEs in ASEM member states through offline business-to-business matching events and its online platform ASEM SMEs Eco-Innovation Network (ASEIN).

The ASEM Eco-Innovation Index (ASEI) is a set of quantitative and qualitative indicators of each ASEM member state's eco-innovation performance that can inform countries on their eco-innovation landscapes and help form relevant policies.

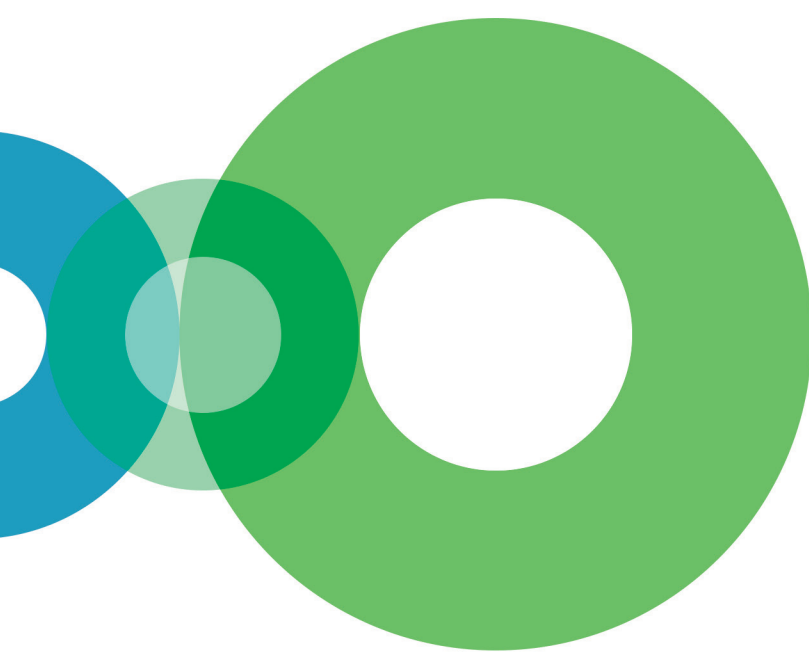
The ASEIC Global Forum is held annually to serve as a venue for experts from various fields to share their insights on eco-innovation and conjure up ideas for improvement and joint efforts.

The ASEM Working Group (on Eco-Innovation Competence of SMEs) serves as a ASEM platform for policy dialogue, experience sharing and multilateral cooperation on eco-innovation for the sustainable development of ASEM SMEs.

The Green Business Center encourages SMEs in ASEM member states to expand to global markets and promotes technology exchange between countries.

ASEIC Vision





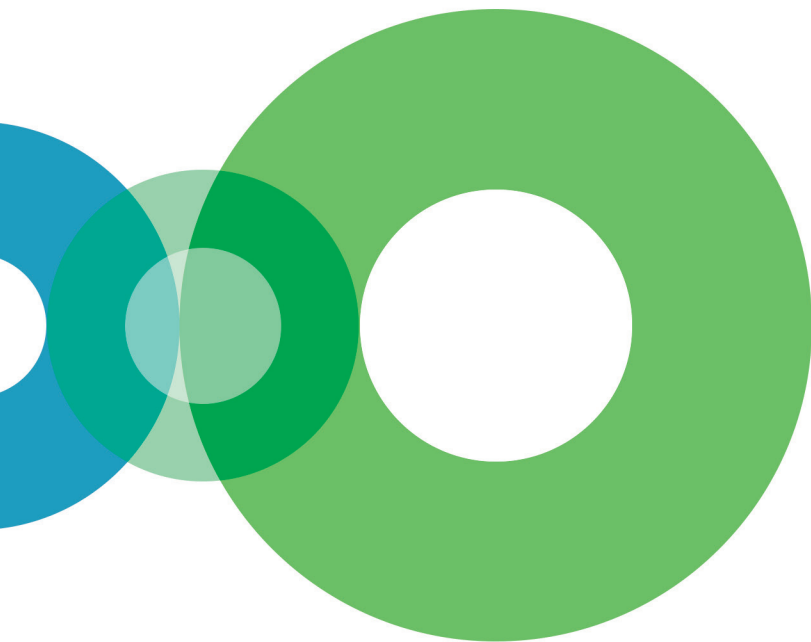
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2017 Major Projects and Outcomes





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ASEM Eco-Innovation Capacity Building Program



ASEM Eco-Innovation Capacity Building Program

Project Background

- Obligation of developed countries to support developing countries in response to post-2020
 - Adoption of the Paris Agreement by 195 countries for the mitigation of greenhouse gas emissions.
 - Developed countries have a duty to support implementation efforts by developing countries.
 - the Agreement specifies that the developed countries should not only provide financial resources and technical support, but also help build the necessary capacity of developing countries.
- Lack of awareness and capacity for eco-innovation in developing countries in ASEM regions

• Lack of professional environmental experts
• Lack of eco-innovation capacity

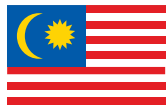


• Passive eco-innovative response
• Limitations in doing green business

Project Goals

- In-depth analysis of demand on eco-innovation capacity building by country (5 countries)
- Development and support for implementation of the Program based on the target country
- Suggestions on future business as a follow-up

Establish Eco-Innovation Foundation



Malaysia



Myanmar



Vietnam

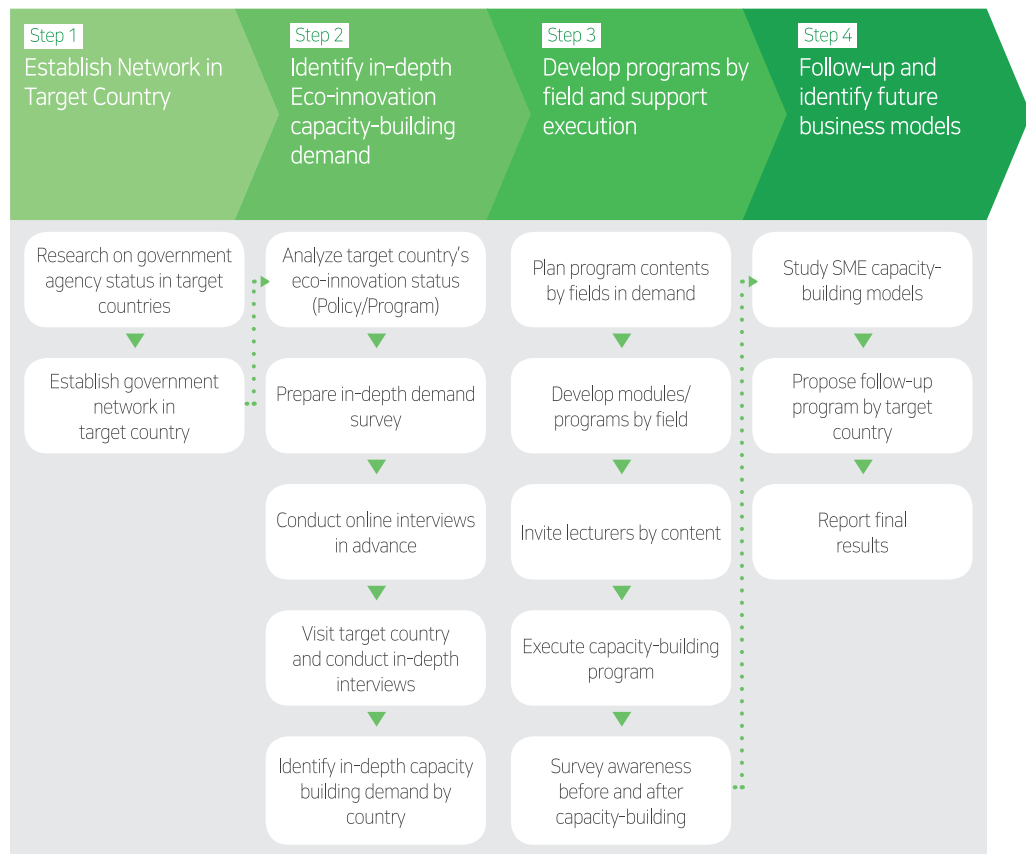


Thailand

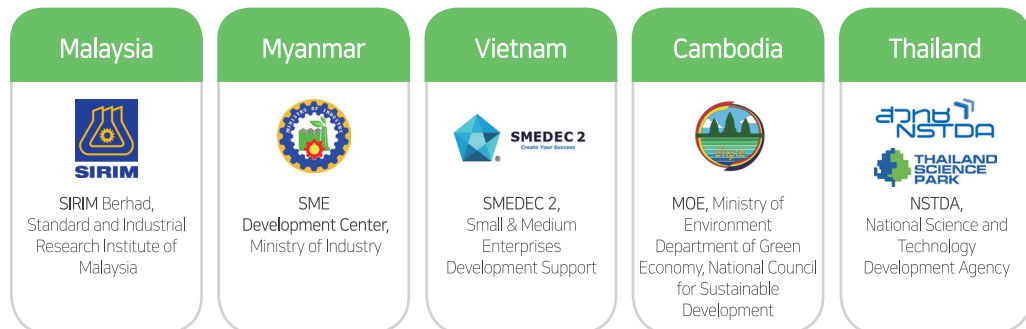


Cambodia

Objective Framework



Partner institutions



Deriving demands by field

Country (Target Industry)	Energy Efficiency	Clean Technology	Eco-industrial Park	Eco-design	Eco-labeling	Eco-friendly Marketing
Vietnam (Furniture, Food Processing Industry)	✓					
Malaysia (Industrial Complex)			✓			
Thailand (Household Goods, etc)				✓	✓	✓
Cambodia (Food Processing, Textile Industry)		✓		✓		
Myanmar (Food Processing Industry, Textile Industry)		✓		✓	✓	✓

Capacity Building Seminars by Country

Vietnam

Date	Place	Target Audience	Targeting Industry
27-28 September	Lotte Legend Hotel Ho Chi Minh	[1 st day morning] SMEs [1 st day afternoon, 2 nd day] SMEs, Associations, and Lecturers	Furniture, Food and Beverage Industry



Myanmar

Date	Place	Target Audience	Targeting Industry
18-19 October	Novotel Max Yangon	[1 st day] Government Officials [2 nd day] SME Representatives	Textile/Garment Industry, Food Processing Industry, Handicraft



Malaysia

Date	Place	Target Audience	Targeting Industry
1-2 November	Marriott Putrajaya	[1 st day] Government officials and tenant companies [2 nd day] Site Visit	Industrial cluster



Cambodia

Date	Place	Target Audience	Targeting Industry
7-8 November	Himawari hotel Phnom Penh	[1 st day] Government Officials [2 nd day] SME Representatives	Textile/Garment Industry, Food Processing Industry

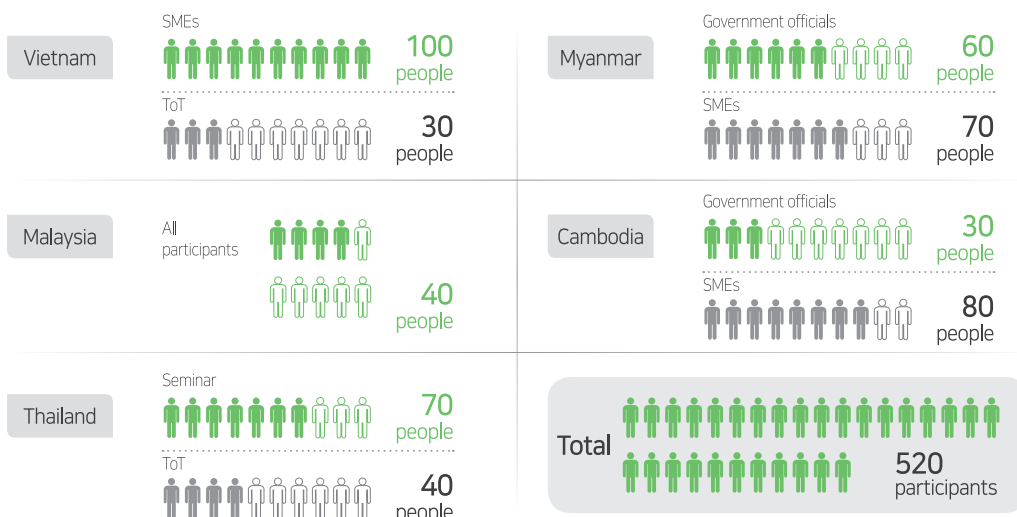


Thailand

Date	Place	Target Audience	Targeting Industry
16-17 November	Novotel Sukhumvit Bangkok	[1 st day] Government Officials [2 nd day] SME Representatives	Household Goods, Fashion Items, Furniture

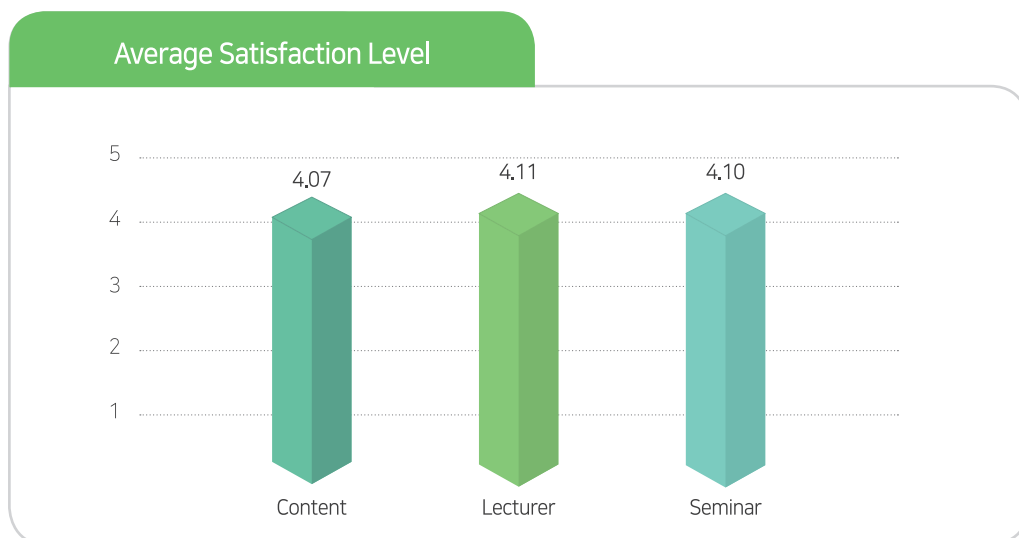


Participants



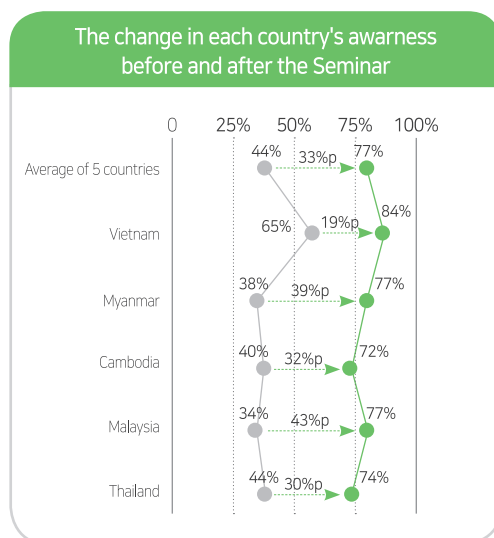
Satisfaction Level Results

Based on a five-point scale, the average level of satisfaction on content (4.07), lecturer (4.11) and the overall seminar (4.10) was measured through evaluation surveys.



Awareness Improvement Results

The evaluation surveys also showed participants' improved awareness on eco-innovation by 33 percent points on average.



Awareness Improvement Survey Details

Nation	Number of Respondents	Awareness Level		improvement rate
		Before	After	
Vietnam	69	65%	84%	19%p
Myanmar	110	38%	77%	39%p
Malaysia	32	34%	77%	43%p
Malaysia	59	40%	72%	32%p
Thailand	101	44%	74%	30%p



ASEM Eco-Innovation Index (ASEI)



2017 ASEM Eco-Innovation Index(ASEI)

The ASEM Eco-Innovation Index(ASEI) aims to promote and enhance eco-innovation by measuring the level and status of eco-innovation of ASEM member countries. ASEI is based on the input-output model, which is often used to measure innovation at the government level, and is grouped under four criteria: Eco-Innovation Capacity, Eco-Innovation Supporting Environment, Eco-Innovation Activity, and Eco-Innovation Performance. The former two criteria are input factors while the latter two are output factors of the model.

In 2017, ASEI was revised by reassigning alternative/proxy indicators for those with missing values or low continuity of raw data. Time Series analysis was also carried out by recalculating and evaluating index values of the 51 ASEM member states over the past 3 years. Through international collaborative studies with four countries(India, Mongolia, Philippines, and Australia), joint research was conducted on subjects including the general overview of each country, studies of the status and trends, best practices, driving factors and barriers of eco-innovation and circular economy, as well as eco-innovation analyses based on the 2017 ASEI. Additionally, a pilot study (Mongolia) on raw data related to eco-innovation surveys on firms was conducted in an effort to narrow the gap in data between Asia and Europe, a goal that requires greater international cooperation in the mid to long term. The country reports and ASEI reports are available on the ASEIC website for reference(www.aseic.org).

It should be noted that ASEI includes substitute indicators and that in consideration of the difference in eco-innovation data availability and basic research levels between Asia and Europe, analyses of ASEI through detailed indicators and trend analyses are more appropriate than assessments through ASEI ranking of member countries based on overall index levels. For greater utilization and contribution of ASEI to ASEM regions, ASEIC plans to expand international cooperation on collecting eco-innovation data.

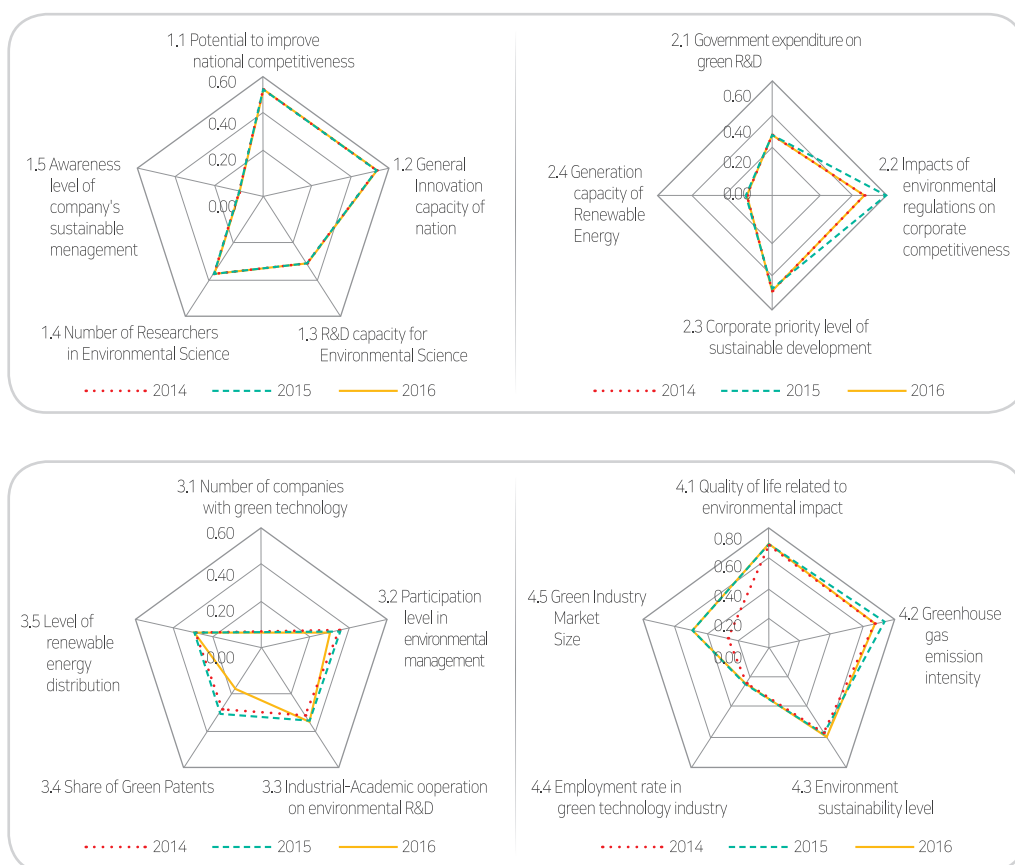
Input-Output Model based Measurement and Evaluation of the ASEM Eco-Innovation Index (ASEI)

Framework	INPUT		PROCESS & OUTPUT	OUTCOME
Categories (4)	1. Eco-Innovation Capacity	2. Eco-Innovation Supporting Environment	3. Eco-Innovation Activities	4. Eco-Innovation Performance
Indicators (19)	1.1 Potential to improve national competitiveness 1.2 General Innovation capacity of nation 1.3 R&D capacity for Environmental Science 1.4 Number of Researchers in Environmental Science 1.5 Awareness level of company's sustainable management	2.1 Government expenditure on green R&D 2.2 Impacts of environmental regulations on corporate competitiveness 2.3 Corporate priority level of sustainable development 2.4 Generation capacity of Renewable Energy	3.1 Number of companies with green technology 3.2 Participation level in environmental management 3.3 Industrial-Academic cooperation on environmental R&D 3.4 Share of Green Patents 3.5 Level of renewable energy distribution	4.1 Quality of life related to environmental impact 4.2 Greenhouse gas emission intensity 4.3 Environment sustainability level 4.4 Employment rate in green technology industry 4.5 Green Industry Market Size

2017 ASEI Indicators

Area	Index	Source	Year Collected	Remarks		
1. Eco-Innovation Capacity	1.1. Potential to improve national competitiveness	WEF	2016	Maintained	Global Competitiveness Index (GCI)	Index
	1.2. General innovation capacity of nation	INSEAD	2016	Maintained	Global Innovation Index (GII)	Index
	1.3. R&D Capacity for Environmental Science	SciVal (Elsevier)	2016	Replaced	Number of published articles	No. of articles/10,000 persons
	1.4. Number of Researchers in Environmental Science	SciVal (Elsevier)	2016	Replaced	No. of published article authors	No. of searchers/10,000 persons
	1.5. Awareness level of company's sustainable management	UN Global Compact	2017	Maintained	Number of participating companies	Number of companies
2. Eco-Innovation Supporting Environment	2.1. Government expenditure on green R&D	OECD	2015	Maintained	Gov't environmental R&D expenditure ratio	R&D expenditure ratio (%)
	2.2. Impacts of environmental regulations on corporate competitiveness	IMD	2017	Revised	IMD survey result	10-point scale
	2.3. Corporate priority level of sustainable development	IMD	2017	Replaced	IMD survey result	10-point scale
	2.4. Generation Capacity of Renewable Energy	IRENA	2016	Replaced	Generation capacity	MW/10,000 persons
3. Eco-Innovation Activities	3.1. Number of companies with green technology	Wisdomain	2016	Revised	No. of companies with green technology (patent application basis)	Number of companies
	3.2. Participation level in environmental anagement	ISO	2015	Maintained	No. patent certification per GDP(Mil. PPP\$)	No. of environmental certification
	3.3. Industry- academic cooperation on environmental R&D	SciVal (Elsevier)	2016	Replaced	Biz-academic environmental R&D cooperation ratio	Cooperation ratio (%)
	3.4. Share of Green patents	WIPO	2015	Revised	Green patent ratio	Patent rate (%)
	3.5. Level of renewable energy distribution	IEA	2016	Maintained	Share of renewable energy from total energy generation	Share of renewable energy generation (%)
4. Eco-Innovation Performance	4.1. Quality of life related to environmental impacts	EPI	2016	Maintained	Environmental Performance Index	Index
	4.2. Greenhouse gas emission intensity	IEA	2014	Maintained	CO2 concentration	kg CO ₂ /2010 USD
	4.3. Environmental sustainability level	WEC	2016	Revised	Environmental sustainability ranking in World Energy Trilemma Index	Index
	4.4. Employment rate in green technology industry	IRENA	2016	Revised	Number of employment	No. of employees /10,000 persons
	4.5. Green Industry Market Size	Wisdomain	2016	Replaced	Ave. number of family countries per patent	Average number of countries

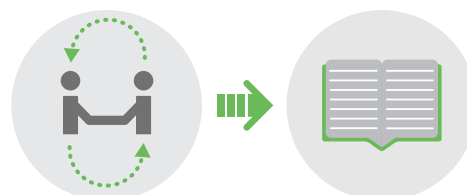
2017 ASEM Member Country Average Change by Sector (2014-2016)



Collaborative Study through International Cooperation

By building partnerships with ASEM member countries' government officials and government-recommended researchers on joint research or supervisory support, ASEIC published four eco-innovation country reports in 2017.

- 2017 : Department of Industry, Innovation and Science of Australia, Department of Environment and Natural Resources of the Philippines, Mongolian climate change development academy, The Energy and Resources Institute in India
- 2015-16 : Thailand, Singapore, EU (UK), Vietnam, Japan, Myanmar, Republic of Korea



A country report contains information on a country's eco-innovation policy environment, trends and performance, barriers and driving factors, best practices, ASEI evaluations in addition to a country's general overview and economy.

Pilot Raw Data Sampling for Firms (Mongolia)

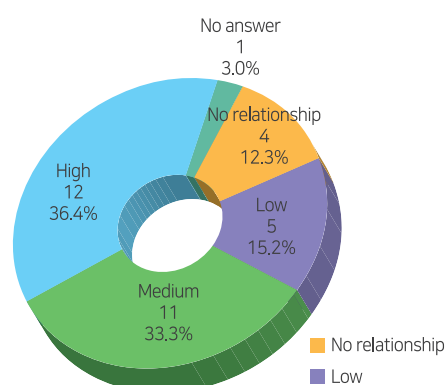
Working side by side with local experts, ASEIC undertook a 'Pilot Study of Eco-Innovation Firm Sampling' in Mongolia. The study is meaningful in that it provides formerly unavailable, basic data on eco-innovation in Mongolia. Similarly, collection of eco-innovation raw data (information) in developing countries that lack such information can have important value and use to the country itself along with the international community. Thus, strategies on executing additional studies to dig up raw data need to be examined in the future.

<Example of Survey Outcomes>

Q. During the last 3 years (2014-16), how important was the following factor in your firm's decision to introduce innovation with environmental benefits?

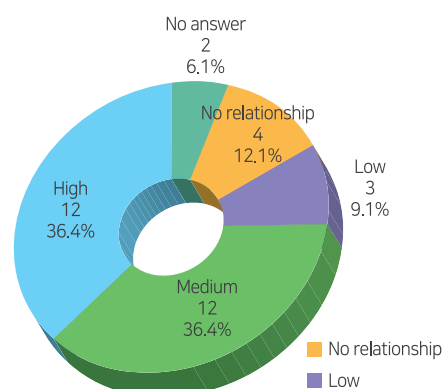
Existing environmental regulations : 36.4% of firms responded that importance was 'high'.

3.1 Existing environmental regulations

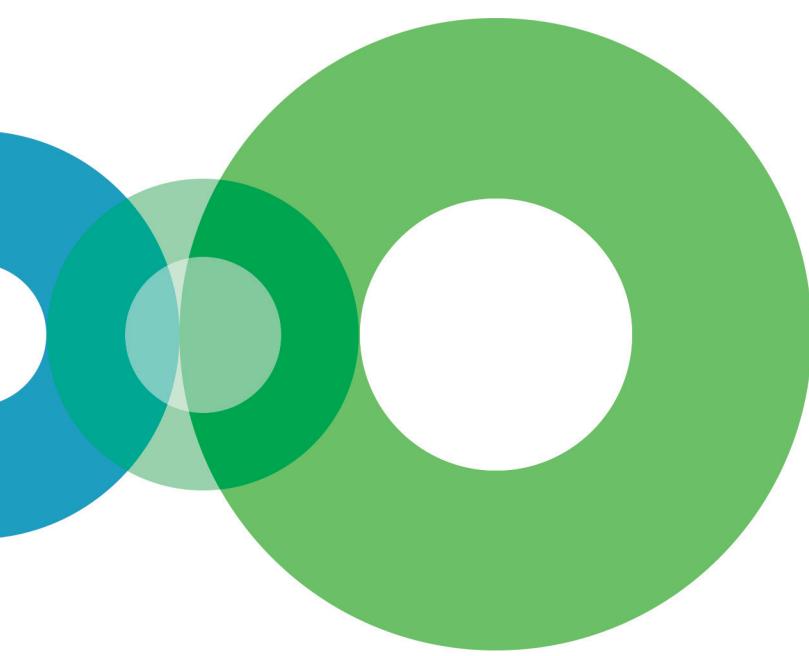


Existing environmental taxes, charges or fees : 'high' and 'medium' accounted for 36.4% each.

3.2 Existing environmental taxes, charges or fees



- Research on Mongolian eco-friendly firms' R&D and innovation activities.
- Firms that adopted innovations in the past 3 years (2014-16) : Product Innovation 18.2%, Process Innovation 15.2%, Organizational Innovation 21.2%, Marketing Innovation 39.4% not a low level considering the ratio.
- 60.6% of firms set measures in motion to reduce environmental impact and 70% implemented the plans before 2014.



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Green Business Center



Indonesia Green Business Center

The Green Business Center(GBC), located in the SME Tower in Jakarta, Indonesia, is a representative office of ASEIC operated jointly by the Ministry of SMEs and Startups of Korea and the Ministry of Cooperatives and SMEs of Indonesia. Since its establishment in 2011, GBC has served as a bridge between Korea and Indonesia and supported SMEs of ASEM member countries to enter into the Indonesian market.



Role in Enhancing Korea-Indonesia Mutual Cooperation

Indonesian Market Investigation Team Visit by Daegu Metropolitan City's Bio Enterprises

- GBC Conference Hall, 21 July 2017
- The research team visited GBC and it was informed about entering the Indonesian market.

Capacity Improvement Training Program for Korean SMEs Entering the Indonesian Market

- IBIS Styles Bogor Raya, 20 Nov. 2017
- As the sponsor, GBC provided financial supports to the training program hosted by SBC, the Small and Medium Business Corporation, and Indonesia Business Club.

GBC Presentation on its Tenant Company Program

- GBC Conference Hall, 20 July 2017
- GBC gave a presentation to 12 Korean firms on the preparations necessary for business expansion to Indonesia along with useful information on settling down in the country.

The 2nd Indonesia-Korea SMEs Business Innovation Forum

- Auditorium 2nd floor, Ministry of Cooperatives and SMEs of Indonesia, 14 Dec. 2017
- The 2nd Indonesia-Korea SMEs Business Innovation Forum was held, following the 1st forum in 2016, and served to open up a door for communication about environment, technology, and e-commerce innovation.

Korea-Indonesia Technology Matching Conference

- Gran Melia Hotel, 6-8 Nov. 2017
- GBC offered matching between the demand technology of Indonesia and the supply technology of Korea to promote the cooperation between businesses

Micro-enterprise Support Program for Expansion to Indonesia

- GBC Conference Hall, 29 May 2017
- GBC provided instructions to owners of micro-enterprises on expansion to the Indonesian market.

In 2017, GBC widened its range of business through various cooperation programs. For instance, the Korea-Indonesia Technology Matching Conference and Indonesia-Korea SMEs Business Innovation Forum were held in cooperation with the Ministry of Cooperatives and SMEs of Indonesia and other government agencies. Moreover, GBC offered active support to a number of Korea's public and private sector programs held in Indonesia and contributed to strengthening ties between Korea and Indonesia.

Korea-Indonesia
SMEs Business
Innovation Forum



Indonesia-Korea
Technology
Matching
Conference



Indonesian Market
Investigation Team
Visit by Daegu
Metropolitan City's
Bio Enterprises



GBC Presentation on
its Tenant Company
Program



Micro-enterprise
Support Program
for Expansion to
Indonesia



Indonesian Market
Investigation Team
Visit



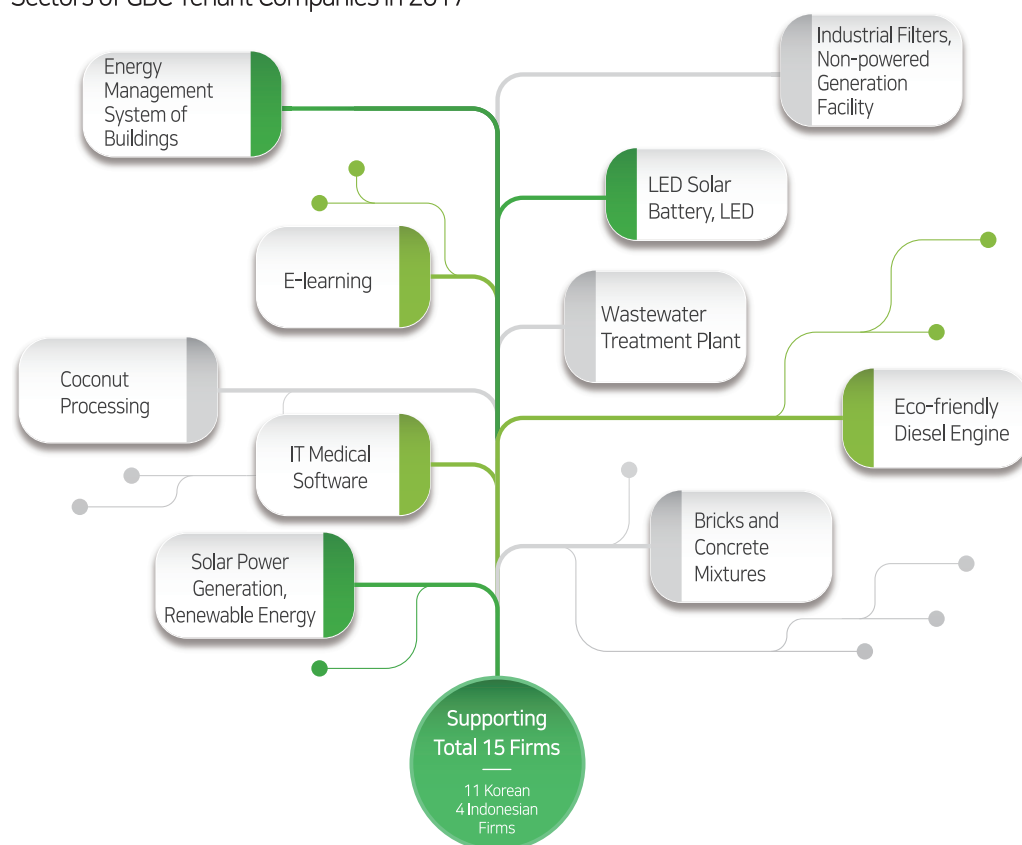
Capacity Building
Program for Korean
Firms Entering the
Indonesian Market



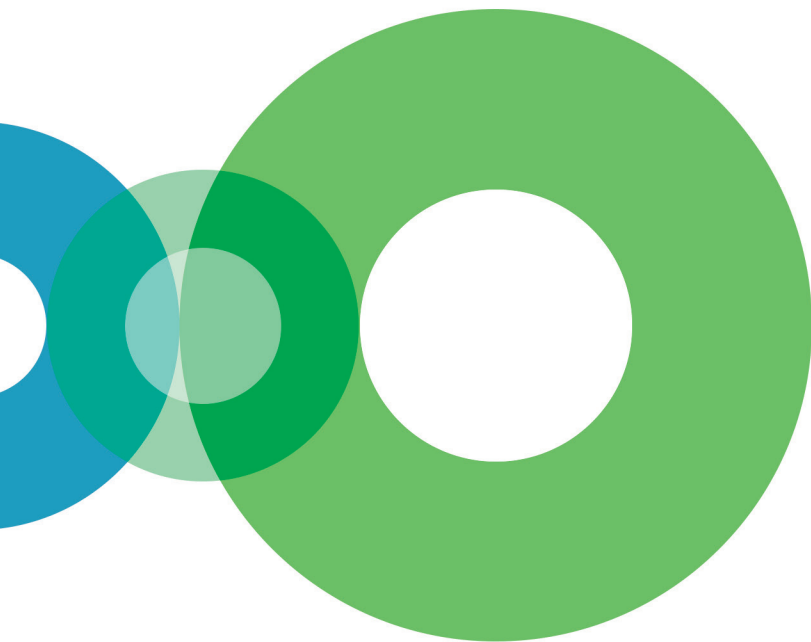
Substantive Support for Business Operations by SMEs of Korea and Indonesia

GBC has been highly appraised for its support to SMEs of ASEM member countries that wish to enter the Indonesian market. In 2017, GBC supported 11 Korean and 4 Indonesian firms doing eco-innovation business in their successful entry into the Indonesia market and running of eco-friendly business operations in the country. Tenant companies to GBC are firms that pursue eco-friendly or technologically innovative businesses, and they are provided with support for consulting on legal or accounting issues related to business operations and local employment, local networking, office and meeting room rental, and other administrative support required for successful business operations in Indonesia.

Sectors of GBC Tenant Companies in 2017



The Green Business Center plans to actively carry out its bridging role between Korea and Indonesia in terms of facilitating G2G and B2B cooperation. The Center further aims to expand its range of support programs to more ASEM member countries in addition to Korean and Indonesian firms. Beyond its function as a representative office of ASEIC, GBC is willing to strengthen its role as a representative office for all-round collaboration between Korea and Indonesia.



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ASEIC Global Forum



ASEIC Global Eco-Innovation Forum 2017

The ASEIC Global Eco-Innovation Forum has been held since 2015 in order to enhance awareness of eco-innovation and to build cooperative relations with government agencies, international organizations, and relevant organizations. This year, the 3rd forum was hosted on November 20th at the Imperial Palace Hotel in Seoul under the theme 'Sustainable Consumption and Production (SCP) of SMEs—Responding to Climate Change through Sustainability'. ASEIC Vice Chairman Sejong Kim initiated the event with an opening address and a welcome speech and congratulatory address were given by Yoon-mo Jeong, Deputy Minister for Planning and Coordination of the Ministry of SMEs and Startups of Korea, and Chanwoo Kim, Ambassador for Climate Change of the Ministry of Foreign Affairs of Korea. More than 120 participants including experts and representatives from 15 countries attended this event.



Left |
ASEIC Global
Eco-Innovation Forum
2017



Right |
Opening Speech
by Sejong Kim, Vice
Chairman of ASEIC

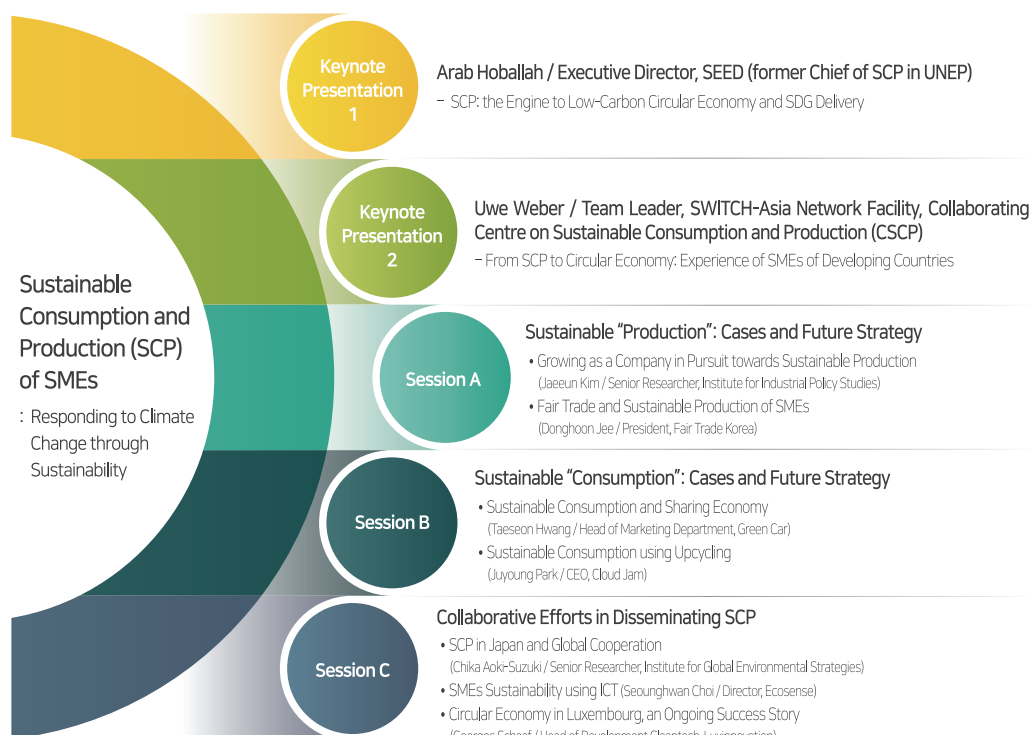


- ① France, ② Germany, ③ Japan, ④ Luxembourg, ⑤ Netherland,
⑥ Cambodia, ⑦ Indonesia, ⑧ Malaysia, ⑨ Poland, ⑩ Denmark,
⑪ Finland, ⑫ Lithuania, ⑬ Bangladesh, ⑭ the Philippines





The keynote addresses in the morning session stressed the importance of eco-innovation through the achievement of sustainable consumption and production(SCP), a key target of the UN Sustainable Development Goals. The afternoon comprised of break-out sessions in which participants engaged in active discussions on the role of SMEs and policy cooperation for supporting SME efforts towards realizing SCP.



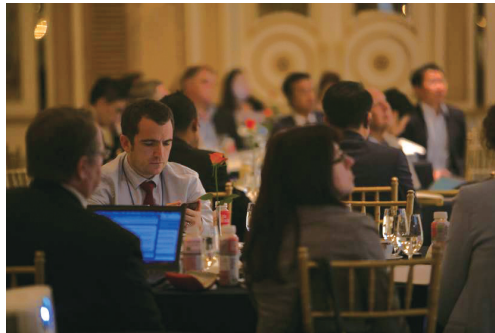
Left I
Welcome Speech by
Yoon-mo Jeong, Deputy
Minister for Planning and
Coordination of the
Ministry of SMEs and
Startups of Korea



Right I
Opening Address by
Chanwoo Kim,
Ambassador for Climate
Change of the Ministry of
Foreign Affairs of Korea



Left I
The audience is listening
to addresses.



Right I
Keynote Address by
Dr. Arab Hoballah



Break-out Session

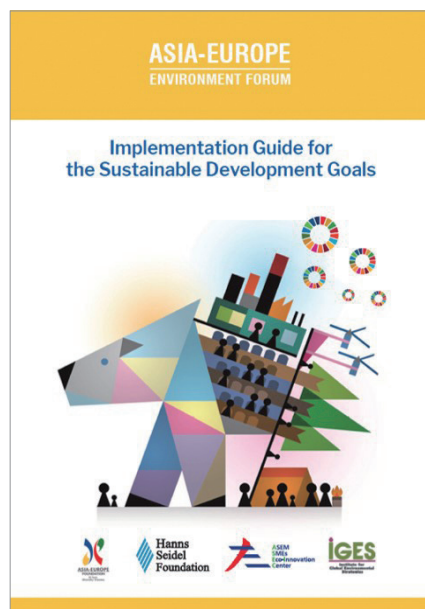


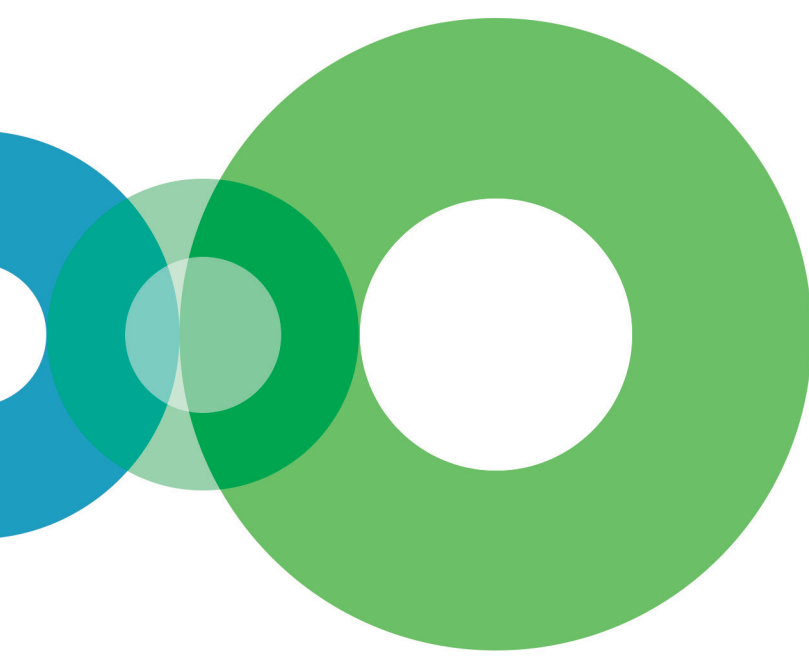
In the future, while maintaining the basic framework of the forum, ASEIC will make various and new attempts by dealing with subjects such as technology and innovation in addition to SME eco-innovation. In this manner, the forum can provide an opportunity for ASEM experts to convene and share ideas for SME growth from a wide-ranging perspective.

Asia-Europe Environment Forum(ENVforum)



The Asia-Europe Environment Forum(ENVforum) was launched by the Asia-Europe Foundation(ASEF) and ASEIC has been co-hosting the forums and research activities since 2012 as a cooperating partner of the Forum. The ENVforum has been publishing events and research reports with partners to strengthen discussions and cooperation on sustainable development goals(SDGs) between Asia and Europe. The forum activities in 2017 include the annual conference on “Sustainable Development Goals and Financing” and the publication of a report on “Implementation Guide for the Sustainable Development Goals.”





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Eco-Innovation Technology Matching Program



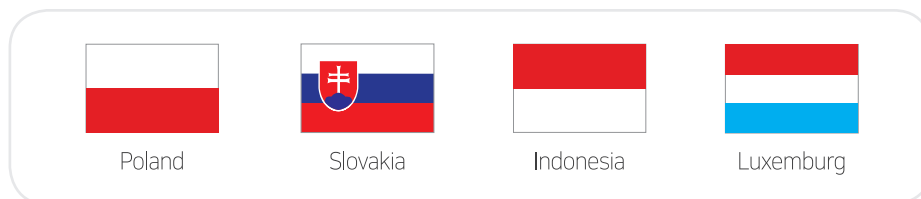
Eco-Innovation Technology Matching Program

The Eco-Innovation Technology Matching Program uses eco-innovation as a medium for spurring technology exchange and creates opportunities for SMEs to expand to global markets and strengthen their global competitiveness. Specifically, this program provides an online platform, ASEM SMEs Eco-Innovation Network (ASEIN), in which SMEs can register the eco-innovation technologies they need or are able to supply, search for firms with matching needs and interact with such companies through the website. At the same time, ASEIC organizes matching events for companies to discuss technology matching in further detail, enhancing technology exchange between Asia and Europe.



Eco-Innovation Technology Matching between Korea-ASEM country SMEs

- Participating countries : 4 countries



- Participating Korean SMEs : 14 companies(10 manufacturing companies, 4 service companies)



- Number of Business Matching Meetings(B2B meetings) between SMEs of Korea and ASEM Member Countries



- Major Technology Areas : Eco-friendly detergent and materials, eco-friendly food packaging, IT services for climate change, eco-friendly design and building technology, LED solutions, renewable energy, eco-friendly water treatment, eco-friendly agricultural equipments

2017 Asia-Europe Offline Eco-Innovation Technology Matching Events

Luxembourg

- Date : 19-21 June
- Partner organizations : Ministry of Economy, Luxinnovation (Luxembourg)



Indonesia

- Date : 4-8 November
- Partner organizations : Ministry of Cooperatives and SMEs, Agency for the Assessment and Application of Technology (Indonesia)



Poland

- Date : 3-5 December
- Partner organizations : Ministry of Foreign Affairs, Ministry of Environment (Poland)



Slovakia

- Date : 6-7 December
- Partner organizations : Slovak Agency, Slovakia IT Valley (Slovakia)



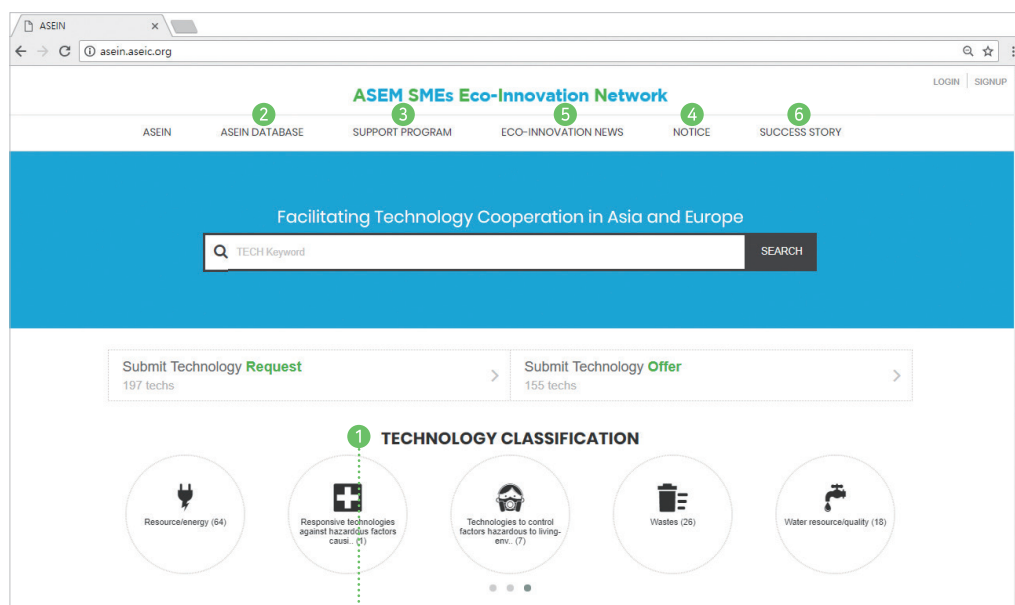
ASEM SMEs Eco-Innovation Network (ASEIN)

ASEIN is an online network platform in which SMEs can interact with each other by exchanging information on their eco-innovation technologies. Users that join the website can send direct contact messages to other member companies registered in the database can freely browse company and technology information. ASEIN also provides a wide range of useful information for ASEM SMEs such as support programs for SMEs and recent news regarding eco-innovation technologies.

- Website : <http://asein.aseic.org>
- Registered organizations : SMEs, researchers and institutes of the 51 ASEM member states
- Categories of eco-innovation technology classification: 14 categories
- Technologies registered on the Database (February) : 197 demand technologies and 155 supply technologies from 6 countries

*Korea, Laos, Indonesia, Hungary, Poland, Malaysia

ASEM SMEs
Eco-Innovation Network
<http://asein.aseic.org>



Categories of eco-innovation technology classification



Main Functions of ASEM

- ① Eco-Innovation Technology Classification : 14 categories of eco-innovation technology classification
- ② Technology Database : Convenient procedures for searching and registering eco-innovation technologies
- ③ Support Program : Information on support programs for SMEs in ASEM member states or eco-innovation areas
- ④ Eco-Innovation News: News related to eco-innovation policies and technologies
- ⑤ Notice : Informing news of support programs or major events of interest to SMEs in ASEM member countries
- ⑥ Success Story : Best practices of ASEM's eco-innovation including eco-friendly policies, business models and projects by various organizations



ASEM Working Group on SMEs Eco-Innovation Competence



ASEM Working Group on SMEs Eco-Innovation Competence

The ASEM Working Group on SMEs Eco-Innovation Competence (hereafter referred to as “the Working Group”), endorsed at the 2014 ASEM Summit, is a working group that provides a platform for policy dialogue, experience sharing and cooperation initiatives in order to expand awareness of eco-innovation of SMEs for sustainable development.

The 5th ASEM Working Group on SMEs Eco-Innovation Competence

- Date/Place : 19-21 September 2017 / Seoul Imperial Palace Hotel, Korea
- Host/Organizer : Ministry of SMEs and Startups, Korea / ASEIC
- Subject : Discussion on 7 joint projects under 3 themes



Participating ASEM Member Countries

- ① Cambodia, ② Denmark, ③ Korea, ④ Vietnam,
⑤ Malaysia, ⑥ Poland, ⑦ Finland, ⑧ Lithuania,
⑨ Luxembourg, ⑩ Netherlands, ⑪ the Philippines,
⑫ China, ⑬ Bangladesh

Activities of Member State Representatives of the Working Group



- Group photo of Representatives

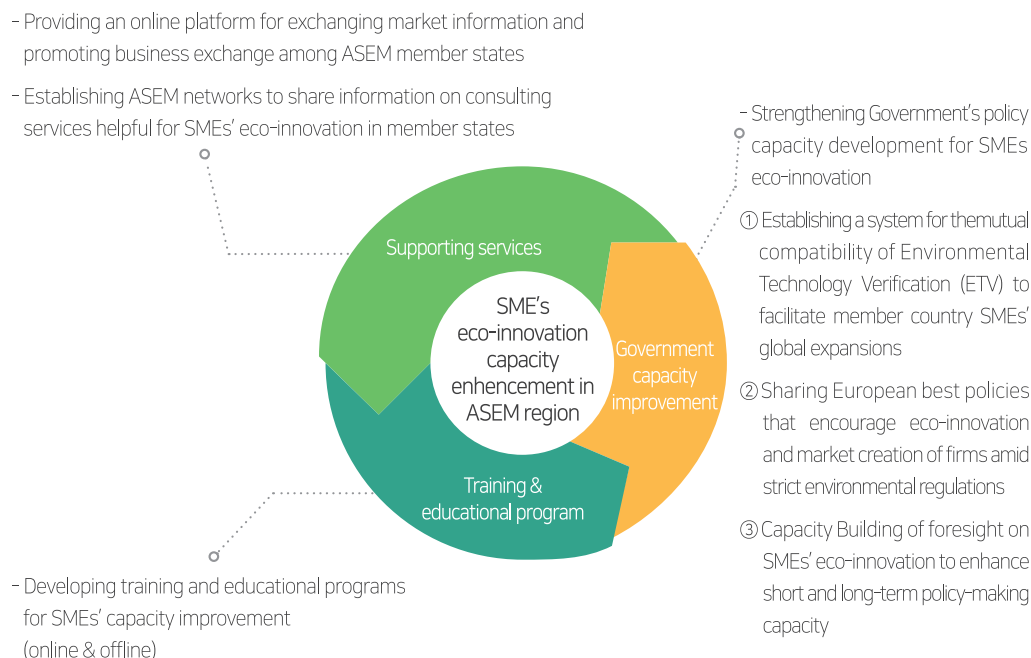


- Discussion about details of partnership project



- Field visits

Partnership Projects among Participating Member States of the Working Group



Partnership Project Activities

Asia-Europe Eco-Innovation Foresight Workshop

- Date/Place : 12-13 October 2017 / National Institute for Science and Technology Policy and Strategy Studies, Vietnam
- Organizers : Science and Technology Policy Institute (STePI) of Korea, National Institute for Science & Technology Policy and Strategy Studies (NSTPASS) of Vietnam
- Participants : more than 30 policy practitioners and experts from Vietnam, Thailand, Laos, Denmark, Lithuania, and Slovakia

The reality for SMEs is that they have to continue to adapt to an uncertain future as the global economy is rapidly changing under the background of growing competition, 'Industry 4.0,' global sustainable development discussions, and climate change issues, among many others. Through the Workshop, participants were divided into two groups, the Vietnamese group and international group, to discuss a variety of future scenarios and optimal strategies for SME eco-innovation in uncertain situations.



Eco-Entrepreneurship Training Program for Indonesian Workers



Ko-Indonesian Eco-Entrepreneurship Training

- Date : 26 November / 10 December 2017
- Place : Cyber Hanguk University of Foreign Studies, Korea
- Organizers : Agency for the Assessment and Application of Technology Indonesia Community Center
- Participants : 20 Indonesian workers in Korea

The training program was conducted for immigrant workers in developed countries of ASEM. The workers with experience in advanced technology are valuable human resources for SME businesses and startups after returning back to their countries. The Working Group implemented the Eco-Entrepreneurship Capacity Development Program to help them prepare their return.

Technology Seminar for SMEs



Green Tech & Eco-Innovation Seminar for SMEs

- Date : 16-18 January 2017
- Place : Green-Tech Center, Denmark
- Cooperative organizations : Green-Tech Center, Vejle City
- Participants : 14 firms from 5 countries (Poland, Malaysia, Korea, Denmark, Hungary)

The Working Group held a seminar on green technologies and eco-innovation targeting SMEs within ASEM member countries. Its purpose was to drive cooperation so that SMEs of member states can expand their eco-innovation technologies.

Eco-Entrepreneurship Training for Cambodian



Global Entrepreneurship Accelerated Program in Cambodia 2017

- Date : 13-16 December 2017
- Place : Juliana Hotel, Cambodia
- Cooperative organizations : UNDP, UNSSC, Handong Global University
- Participants : Cambodia SMEs, government officers

Developing countries in ASEM greatly lack eco-friendly technologies, SMEs and related governmental support programs. In an effort to tackle this problem, the Working Group launched the Cambodia Eco-Entrepreneurship Training Program for government officials and entrepreneurs from developing countries.



ASEIC Annual Report 2017

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ISBN 979-11-963899-2-5 03060

A CIP catalogue record of the National Library of Korea for this book is available at the homepage of CIP(<http://seoji.nl.go.kr>) and Korean Library Information System Network(<http://www.nl.go.kr/kolisnet>). (CIP2018016410)

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Annual Report 2017



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