

**MEMORANDUM OF
UNDERSTANDING (MMoU)
FOR A MULTI-LATERAL
COLLABORATION**

Among

**THE INSTITUTIONS AND AGENCIES OF
The APEC–Virtual Center for Environmental Technology
Exchange**

For the Exchange of Information and Cooperation

November 2017

Purpose

The signatories to this APEC-VC MMoU:

Considering the cooperation among the APEC Virtual Center for Environmental Technology Exchange (APEC-VC) member economies have continued since the approval of the APEC-VC Project in Osaka Summit Meeting in 1995 and the establishment of APEC-VC in 1997;

Recalling the APEC-VC Gateway website (apec-vc.com) was established in 2014 in order to facilitate more active information exchange among member economies;

Considering the importance of the Internet and digital economies to the future economic growth was recognized by adopting the APEC Accord on Innovative Development, Economic Reform and Growth in 2015;

Desiring to promote the exchange of environmental technology, thus contributing to improvements in environmental technology and environmental conservation within the Asia-Pacific region

Definition

For the purposes of this APEC-VC MMoU:

1. “Member economies” means those listed in **Appendix A**, who have signed this Memorandum of Understanding.
2. “Secretariat” means the APEC-VC Secretariat hosted by one of the member economies in a term of five years.

Article I Areas of cooperation

- 1 To promote exchange of environmental technology within the Asia-Pacific region, member economies will cooperate in areas of information exchange in environmental technology, industry and conservation
 - 1.1 Member economies will share knowledge and information in areas of environmental technology, industry and conservation through both online and offline information exchange regularly;
 - 1.2 Member economies will participate in online information exchange by uploading data and information on the APEC-VC Gateway Website in accordance with the procedures set forth in Appendix B;
 - 1.2.1 The categories of online information exchange are as follows:
 - 1.2.1.1 Research and Development of Environmental Technology
 - 1.2.1.2 Policy Development of Environmental Technology, Industry and Protection
 - 1.2.1.3 Environmental Technology and Product Information
 - 1.2.1.4 Capacity Building

- 1.2.1.5 Other useful information such as recent news and events in member economies;
- 1.2.2 The information submitted by each member economy for information exchange must be provided in English;
- 1.2.3 The information provided by each member economy must be open data for public use accessible to all;
- 1.3 Member economies will participate in offline information exchange by attending the APEC-VC annual workshop and other related events if necessary;
- 1.3.1 The annual workshop, hosted by one of the member economies each year, will be consisted for the following:
 - 1.3.1.1 Annual report of each member economy on its APEC-VC activities;
 - 1.3.1.2 Participation in the decision-making process of important APEC-VC related issues;
 - 1.3.1.3 Technical tours or site visits that promotes the development and information exchange of environmental technology, industry and conservation;
 - 1.3.1.4 Other necessary events required for pursuing the objectives of the APEC-VC project;

Article II Responsibilities

- 1 To ensure effective implementation of the information exchange and cooperation activities in this MOU, each member economy will be responsible for:
 - 1.1 Designation of person in charge for APEC-VC activities in each member economy's institution or agency;
 - 1.2 Submission of information in electronic forms to upload to the APEC-VC Gateway website monthly to meet the annual goal allocated to each economy;
 - 1.3 Submission of annual report of each member economy's annual activities in promoting information exchange in environmental technology, industry and conservation;
 - 1.4 Participation in the decision-making process of important APEC-VC activities, such as selection of the Secretariat, extension and termination of APEC-VC project, launch of a new project and other important matters;
 - 1.5 Host annual workshops and be responsible for the related-cost;
 - 1.5.1 Costs incurred for participants' attendance such as accommodation and travel costs can be negotiated to be borne by the participants considering the budget allotted.
- 2 Member economies are responsible for funding their own APEC-VC activities mentioned in article II-1.

Article III Entry into Effect and Termination

- 1 Cooperation in accordance with this Memorandum of Understanding will begin on

- the date of its signing by the member economies.
- 2 A member economy may terminate its participation in this Memorandum of Understanding at any time by giving at least 6 months prior written notice to the Secretariat.
 - 3 This Memorandum will continue in effect for the Secretariat giving notice until the expiration of 30 days after the Secretariat gives written notice to other member economies of its intention to terminate its cooperation under this Memorandum.
 - 4 The decision to terminate cooperation by the Secretariat must be made after the consultation and agreement of the majority of member economies.

Article IV Amendments

- 1 Any amendment of this MMoU is subject to agreement and signature by the member economies listed in Appendix A, upon proposal by the Secretariat for discussion.

Republic of Korea

Signed this (day) of (month) 2017

For and on Behalf of Korea Environmental Technology and Industry Institute

.....
Kwang Hee Nam

President

Korea Environmental Technology and Industry Institute

Republic of Korea

Witness

.....
Junho Song

Director

Korea National Environmental Information Center

Korea Environmental Technology and Industry Institute

Republic of Korea

Chinese Taipei

Signed this (day) of (month) 2017

For and on Behalf of Chinese Taipei Environmental Protection Administration

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Shueen-chin Chang
Director General
Department of Environmental Monitoring and Information
Chinese Taipei Environmental Protection Administration
Chinese Taipei

Witness

.....
Mr. Jimmy Hwang
Officer
Department of Environmental Monitoring and Information
Chinese Taipei Environmental Protection Administration
Chinese Taipei

Appendix A: APEC-VC Member Economies

No.	Member Economies	Institutions/Agency/Organization
1	Republic of Korea	Korea Environmental Industry and Technology Institute
2	Chinese Taipei	Department of Environmental Monitoring and Information Management, Environmental Protection Administration
3		
4		
5		

Appendix B: Online Information Exchange

1. Place of Information Exchange

APEC-VC Gateway Website

www.apec-vc.com

2. Methods of Information Exchange

Each member economy either monthly

A. Submits the information electronically to apecvc@keiti.re.kr

Or

B. Log-in as an Administrator to upload information

C. Provide access to the organization's database using the OPEN API system

3. Types of Information Provided by Member Economy

Category	Examples
Research and Development	<ul style="list-style-type: none">➤ Publications and reports that provides information and recent development of national environmental technology and industry<ul style="list-style-type: none">• ie. Research paper, R&D results and publications of national research institutes and think tanks, such as environmental medicine, toxic environmental pollutants
Policy Development	<ul style="list-style-type: none">➤ Publication, briefings, national papers that provides information and recent development of national policy that promotes the advancement of national environmental technology, industry and conservation<ul style="list-style-type: none">• ie. National Policy Paper on Sustainable Growth, Amendments to Chemical Regulations on Products, Trade Policies in Environmental Friendly Products
Technology Promotion	<ul style="list-style-type: none">➤ Information of firms that produces environmental friendly products, machineries and equipment for that reduces environmental impacts<ul style="list-style-type: none">• Product information of machineries, goods, and equipment that are environmental friendly or help to reduce environmental impacts
Capacity Building	<ul style="list-style-type: none">➤ Information on projects, initiatives, training programs, seminars of each member economies that promote green growth and advancement of environmental technology, industry and conservation

4. List of Open Data

Korea

- APEC-VC Korea website : Apec-vc.or.kr

Taiwan

- OPEN Data EPA : opeandata.epa.gov.tw
- Additional :

Vietnam

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Indonesia

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5. Number of Information Provided by Member Economy

Each economy must submit or upload **at least 150~170** information or data annually to the Secretariat or the APEC-VC Gateway Website