



**Asia-Pacific
Economic Cooperation**

2018/SOM1/HRDWG/EDNET/004

Agenda Item: 6.5

HRD 01-2005 Project Monitoring Report - APEC Future Education Consortium: Focusing on APEC Network of ICT Model Schools for Future Education

Purpose: Information

Submitted by: Korea



**Human Resources Development Working
Group Education Network Meeting
Port Moresby, Papua New Guinea
28 February – 1 March 2018**

APEC Project Monitoring Report

*Please submit through your APEC Secretariat Program Director
by August 1 and February 1 of each year.*

SECTION A: Project profile

Project number & title:	HRD 01/2005 APEC Future Education Consortium: Focusing on APEC Network of ICT Model Schools for Future Education		
Time period covered in report:	January 2017 ~ January 2018	Date submitted:	20 Feb 2018
Committee / WG / Fora:	HRDWG		
Project Overseer Name: Organization / Economy	1. Hyun Ju KIM Director, Ministry of Education, Korea 2. Jungchan Cha Director General, Institute of APEC Collaborative Education, Korea		

SECTION B: Project update

***Briefly** answer each of the questions below to a maximum of 2-3 pages. If you have submitted previous Monitoring Reports, focus on progress since the last report.*

1. Current status of project:

- On schedule: YES
- On budget: YES
- On target to meet project objectives: YES

If NO, provide details: How far off schedule, budget or objectives? What actions are being taken to resolve delays? What support is needed from your Committee or the Secretariat?

2. Implementation: Describe progress against the project work plan and proposed objectives.

- Were adjustments made to the scope or timing of the project?
- What outputs (e.g. agenda, report, workshop, tools, best practices) have been delivered? How have/are these outputs being utilized?)

Current status of the project

Since its approval at the 26th APEC HRDWG in 2004, the APEC Future Education Forum (AFEFE) has been annually held since 2005 in various member economies. To coordinate administrative works and support the overall consortium works, annual Steering Committee meeting has been held since 2005. In addition, the APEC School Network (ASNet) was expanded with active participation of member economies' K-12 schools.

In 2017, the 13th AFEFE was held in Ha Noi, Vietnam under the theme of "Innovative Future Education in APEC—for Creating New Dynamism & Increased Employability". In total, 83 schools from 9 economies participated in the ASNet. 14 delegates from 11 member economies participated in the 13th Steering Committee meeting, and 7 economies reported their experience of Education Cooperation in 2017 and discussed the importance and effectiveness of education cooperation through institutional cooperative activities and people-to-people connectivity.

Objectives

The APEC Future Education Consortium (AFEC) aims to share a vision of the future education amongst schools, APEC Learning Community Builders (ALCoB), and researchers within APEC region. The project aims to implement the vision of future education and connecting pedagogical theories into

practice. This objective is envisioned by the AFEF and ASNet based on voluntary and positive support from participating member economies.

Budget

The project was effectively implemented according to the original budgeting plan. The Korean Ministry of Education has provided financial support for the successful operation of Consortium.

Delivery of Outputs

The AFEC has two pillars: AFEF and ASNet. These programs are designed to produce theoretical and practical outputs in terms of future education and also allow member economies to share the outputs and the best practices. The outputs are actively shared through the human network provided by ALCoB and its online community. The followings are positive outputs of the project.

- Member economies' Ministries and/or Departments of Education share information and views on educational policy and exemplary methods in teaching and learning-
- Policy-makers and experts set directions of Education through open discussion and presentation of their education trend at AFEC Steering Committee Meeting.
- Students and teachers have a chance to share their cultures and experiences through the association of ASNet.

Highlight of Outputs

In 2017, the AFEC continued to contribute 13 years of experience in international education cooperation and resulted in qualitative and quantitative outcomes. The AFEC continuously strived to make achievements as to following remarks of 2005 APEC Ministerial Meeting Statement¹.

- 197 participants from 17 economies have participated in the 13th AFEF, held in Ha Noi, Viet Nam under the theme of "Innovative Future Education in APEC—for Creating New Dynamism & Increased Employability".
- In total, 3 new schools (two from Korea, one from Peru) were registered in ASNet and initiated international education cooperation activities.

APEC Future Education Forum (AFEF)

Ever since the first Forum was held in 2005, AFEF has continuously introduced future education models and discuss the outcomes of the models after applying them in the classrooms. The models and academic theories presented during the forum are applied in the next year's ASNet projects. The results, outcomes and improvement plan derived from the ASNet projects are, in turn, discussed in the forum as feedback.

<The 13th APEC Future Education Forum>

The 13th AFEF theme was aligned to the themes and outcomes of the 6th APEC Education Ministerial Meeting (AEMM). The overall theme of the AFEF was "Innovative Future Education in APEC—for Creating New Dynamism & Increased Employability". Specifically, the three sessions of the forum were aligned with the 6th AEMM agenda; Session 1. Competencies, Session 2. Employability, and Session 3. Innovation.

¹ "Reaffirming the great importance of promoting education and training, Ministers welcomed the achievements made by the APEC Future Education Consortium and the APEC Education Foundation in accomplishing a learning community and a stable supporting system for educational development in the APEC region." (The Seventeenth APEC Ministerial Meeting 2005: under Human Resources Development)

In this way, government officials and education experts shared innovative education system and the best practices in pedagogical fields. Also, speakers from private sector such as Samsung Electronics and POSCO (Korean steel company) shared their experience of making a better education circumstance as Corporate Social Responsibility activities and training of Small and Medium-sized Enterprises. Collective ideas and thoughts delivered by the presenters at the panel discussion were shared for fetching better education within APEC region with the participants.

Box 1. Overview of the 13th APEC Future Education Forum

- Date: November 15~16, 2017
- Venue: Ha Noi, Socialist Republic of Viet Nam
- Participants: 197 persons from 17 economies
- Theme: Innovative Future Education in APEC—for Creating New Dynamism & Increased Employability
- Sessions:

Keynote Lecture	“Direction of Future Education for Increased Youth Employment in APEC region” ► Dr. Le Anh Vinh, Vice Director General, Vietnam Institute of Educational Sciences (VNIES)
Session 1	“Competencies” 1-① “Core Competencies in 4th Industrial Revolution” ► Dr. Anabelle Duncan, Vice Chancellor, University of New England, Australia 1-② “Values of School Education and its Curriculum in Japan” ► Dr. Shinichi Komori, Professor, Tokyo Gakugei University, Japan
Session 2	“Employability” 2-① “From Education to Employment: the Case of Singapore” ► Ms. Iris Seet, Deputy Dean, Singapore Institute of Technology and Education, Singapore 2-② “Co-growth through HRD in small-and-medium partner companies” ► Ms. Eunjung Kim, Director, POSCO, Korea
Session 3	“Innovation” 3-① “Innovative Teaching and Learning Method that future society requires” ► Dr. Chi-Syan Lin, Professor, National University of Tainan, Chinese Taipei 3-② “Case of developing future core competency module as CSR” ► Mr. Bonyeon Kim, Manager, Samsung Electronics, Korea ► Mr. Sung won Seo, Teacher, Mapo High School, Korea

The Forum composed of four sessions: Keynote Lectures, Session 1, 2, and 3. For the Keynote Lectures, Dr. Le Anh Vinh, lectured on the theme of “Direction of Future Education for Increased Youth Employment in APEC region”. The Keynote lecturer emphasized role of education and quality human resources as key factors to properly respond to requirements of the future society. The lecturer also emphasized the direction of future education, which nurtures individuals' competencies that matches the needs of future industries, to overcome challenges of the current and future society.

In Session 1, Dr. Anabelle Duncan gave a presentation on “Core competencies and Human Resources in the era of Fourth Industrial Revolution” and Dr. Shinichi Komori gave a presentation on “Values in Japanese Curriculum and Schools”. The Forum focused on shifts in education sector to overcome challenges of the fourth industrial revolution. In the automatized world, global trends are rapidly changing. In this regard, the two speakers both emphasized the importance of educating

students critical thinking skills, problem solving skills as well as fostering attitudes and values those include humanities such as team work and ethics.

In Session 2, Ms. Iris Seet gave a useful presentation under the title of “From Education to Employment: the Singapore system”. She highlighted the significance of industry and government collaboration to provide students hands-on work experience as a part of curriculum. Singapore implemented ‘SkillsFuture’ program. Through the program, 2,200 companies provided student internship opportunities. It is expected that the program will be expanded in the future to provide 14,000 students internship experiences at 4,000 companies. It was followed by Ms. Eunjung Kim’s presentation entitled, “Inclusive Growth through HR Development of Small and Medium-sized Partners”. From the business perspective, she emphasized life-long learning via workplace education and training through on-the-job training, qualifications and competence training, and academic courses for leadership such as CEOs.

In the third session, two speakers gave presentations related with innovation in education field. The first speaker was Dr. Chi-Syan Lin. He gave a useful presentation about Innovative Teaching and Learning Method that future society requires. Mr. Bonyeon Kim, a manager from Samsung Electronic gave a speech about connecting Corporate Social Responsibility (CSR) to school education to foster future competencies modules for middle and high school students.

Overall, the forum encompassed education specialists and scholars’ theories to educators and lecturers’ implication at schools and workplace. Each of the forum session ended meaningful and fruitful as participants actively engaged in presentation and discussion sessions. The in-depth panel discussions and Q&A sessions have provided education stakeholders to reflect on practical implementation on future education. The forum was an academic locus, emphasizing the importance of participation of multi-stakeholders in future education.

ALCoB School Network (ASNet)

The ASNet is a school-based project to encourage international cooperation in education. It aims to identify and realize an ideal future school model in the APEC region while fostering mutual understanding of both domestic and overseas circumstances of various member economies’ education systems, cultures and histories. In regard to strengthening sister school relationships, participating member economies and schools’ commitment and involvement are critical. This network also forms basis for the joint efforts, both on and off-line, of the ALCoB Cooperative Project, including the utilization of ICT in education.

The major outcomes of the ALCoB School Network are described below.

- **Enhancing international cooperation for future education through exchange activities:**

- As of 2017, the total number of participating schools is 86 from 10 member economies (see Appendix 1): Indonesia (13), Korea (27), Japan (2), Malaysia (12), the Philippines (11), Russia (Republic of Sakha, 8), Chinese Taipei (4), Thailand (5) and Viet Nam (3), Peru (1)
- On and off-line projects between sister schools are fostered through various projects, such as reciprocal visits and joint classes between sister schools of network members

- **ALCoB School Network Activities:**

- Busan Donggung Elementary School newly joined ALCoB School Network in 2017. A teacher from the school collaborated with a teacher from Myeongdeok Elementary School. The two teachers established an extracurricular activity club for international exchange with SJKC Chong Cheng, a Malaysian school located in Penang. Three teachers had a joint class for students focusing on issues such as climate change and environmental pollution. In addition, teachers and students enjoyed cultural exchange and visits through the program. The three schools signed a Memorandum of Understanding (MOU) to continue the exchange program.

- **Introduction of future models of international cooperation activities, by various types of models:**

- Student-led club activities

- Reciprocal school-based education cooperation and exchange programs
- Exhibitions on results of education cooperation activities

APEC Future Education Consortium Steering Committee

In 2017, 14 delegates from 11 member economies discussed the latest outcome, operational regulations and future direction of the Consortium.

In order to boost systematic and coherent activities of the Consortium, seven member economies (Indonesia, Malaysia, Korea, the Philippines, Russia, Thailand, and Viet Nam) gave presentation on the progress reports regarding the ALCoB branch activities which are originated from the APEC Learning Community (ALCom). Based on solid human network named ALCoB, the Consortium has encouraged member economies to make institutional support for ALCoB members. The member economies operating ALCoB Branch continuously organized and managed their activities by participating ALCoB Internet Volunteers (AIV) workshop, recommending delegates for APEC e-Learning Training Program (AeLT) as well as e-ICON World Contest, and proceeding ALCoB Cooperative Project (ACP) and other related international education projects, and etc.

The Philippines expressed its intention to co-host the next APEC Future Education Forum (AFEF). Most of participating economies, mainly Malaysia, the Philippines, Indonesia, and Mexico made comments to participate in the ALCom activities and next AFEF.

3. Evaluation: What are the indicators developed under the project to measure progress/success? Has baseline information or evaluation results been collected? How will any potential impacts on gender be measured? If relevant please provide details.

The AFEF participants' survey results shows that all participants highly recommend this forum for gaining new knowledge and trend in education in APEC region. Also, they fully enjoyed exchanging experiences and opinions on challenges and issues relevant to education system in each member economy. The discussions at the Forum could be implemented through ASNet. Thus, perpetual discussion at the Forum and cooperative activities among ASNet produce practical results.

In this respect, in 2017, nineteen schools, one university student program and one English Library located in Busan, Korea have participated in a total of fifteen ALCoB Cooperative Project (ACP), which is a blended on and off-line activities. Some projects have been implemented on a mentoring basis as a pilot model, in which mentor teachers review and advise on mentee teachers' activities. The participants welcomed the new system and the format will be elaborated in 2018.

4. Challenges: If not covered in Q1, describe any issues which impacted (or might still impact) on the effective delivery of the project. How have these affected the objectives, deliverables, timeline or budget? What are the risk management strategies in place to manage potential or real risks

Plans have been made to collect findings for high quality papers about future education focusing on the latest issues in APEC, such as inclusive education, cultural exchange, connectivity and so forth. In addition, the implementation of cooperative projects among ASNet aims to provide solutions to education specialists' theoretical issues and is subject of discussion at AFEF. Through integration of theoretical issues and practical solutions, the AFEF will allow schools, teachers, scholars and experts to have more opportunities to share the vision of future education.

5. Engagement: Describe the engagement and roles of stakeholders in the implementation of the project, including other APEC fora, experts and participants.

☐ Roles of stakeholders in the implementation of the project

- Leading the participation and the engagement of the Consortium:

- For effective international cooperation, ALCoB will put efforts in systemizing and elaborating the organizational structure. Member economies are invited to strengthen the bond of the network by actively participating in this project and proposing new models for the future.
- The Joint Research Group for APEC Edutainment Exchange Program (AEEP) and e-Learning will be composed of education specialists and experts in order to analyse both projects precisely and diagnose existing and potential problems organizers might be facing in the future while implementing them. As a result, those with expertise in education are expected to put yearly inputs.
- Implementing various high quality programs:
 - Ever since the Busan Action Plan (2014) has been agreed by member economies, supporting sustainability of ALCoB has received attention from multi-stakeholders. The participating members in AFEC Steering Committee have actively supported the ALCoB branches and their activities with necessary administrative works and finances. It is expected that the future activities of IACE and ALCoB would further extend by continuing existing activities, which include the ALCom, ALCoB, AFEC, AeLT and other related international cooperative projects such as the International e-ICON Contest.

FOR APEC SECRETARIAT USE ONLY <i>APEC comments: Is the project management effective? How could it be improved? Are APEC guidelines being followed?</i>

[Appendix 1] List of Schools participating in ALCoB School Network

No	Economy	Schools	Levels of Schools
1	Korea (25)	Bucheon Sangdong Elementary School	Primary School
		Busan International High School	High School
		Chuncheon Songhwa Elementary School	Primary School
		Daepyoung Middle School	Middle School
		Gumi Shinpyung Middle School	Middle School
		Gumi Seonju Middle School	Middle School
		Haegang High School	High School
		Hyeonggok High School	Middle School
		Incheon Baikseok High School	High School
		Incheon Dohwa Elementary School	Primary School
		Jeju Foreign Language High School	High School
		Modeok Elementary School	Primary School
		Seohae High School	High School
		Daegu II Meister High School	High School
		SeoHwa Elementary School	Primary School
		Seoul Technical High School	High School
		Seoul Robotics High School	High School
		Sunchang Dongsan Elementary School	Primary School
		Sungduck Elementary School	Primary School
		Sungduk Middle School	Middle School
		Sung-hwa Girls High School	High School
		Topyeong High School	High School
		Wonju Gyodong Elementary School	Primary School
		Yosu Gubong Middle School	Middle School
		Bucheon Sangdong Elementary School	Primary School
		ShinJeong Elementary School (Newly joined in 2017)	Primary School
		Donggung Elementary School (Newly joined in 2017)	Primary School
2	Indonesia (13)	SD Islam Terpadu Subang	Primary School
		SD Islam PB Sudirman	Primary School
		SMP Negeri 2 Subang	Middle School
		SMP Negeri 13 Bandung	Middle School
		Yogyakarta SMP 5 School	Middle School
		SMAN 1 Pamukan Utara	Middle School
		SMA N3 High School	High School
		SMK Negeri 8 Jakarta	High School
		SMA 24 Negeri Bandung Public High School	High School
		SMA Muhammadiyah 1 Yogyakarta	High School
		SMAN 5 Denpasar	High School
		SMA Negeri 1 Subang	High School
		YSKI Private School	High School
		Ilb Elementary School	Primary School
3	The Philippines (11)	Mayamot Elem. School	Primary School
		Ramon Magsaysay High School	High School
		San Bartolome High School	High School
		Davao city national high school	High School
		Ilocos Norte National High School	High School
		Juan Sumulong High School	High School
		Cabancalan National High School	High School
		Eurogio Rodriguez Jr. high School	High School
		Pusok National High School	High School
		Novaliches High School	High School
		Sekolah Kebangsaan Cheras Indah	Primary School
4	Malaysia (12)	Don Manuel I. Abella Elementary School	Primary School
		SK Seri Bintang Utara	Primary School
		Lick Hung National Type (Chinese) Primary School	Primary School
		SK SEKSYEN 13	Primary School
		SK SEREMBAN 2B	Primary School
		SK JALAN GURNEY (1)	Primary School
		Seri Mutiara Secondary School	Middle School
		Damansara Jaya Secondary School	Middle School

		SMK SEAFIELD	Middle School
		Victoria Institution	High School
		SMK TUNKU ABDUL RAHMAN	General School
5	Thailand (5)	Patai Udom Suksa School	Primary School
		Chitralada School	Primary School
		The Demonstration of Silpakorn University School	Primary School
		Laor-Utit Demonstration School	Primary School
		Satri Srisuriyothai School	General School
6	Viet Nam (3)	Hanoi Star Elementary School	Primary School
		Le Quy Don High school for the gifted	High School
		Truong Dinh High School	High School
7	Japan (2)	Hagoromo gakuen HighSchool	High School
		Fukui High School of commerce	High School
8	Taiwan (4)	Pu Dong Elementary School	Primary School
		Tainan Municipal Chongming Elementary School	Primary School
		Ying Hai High School	High School
		Kaohsing Municipal Langua Junior High S	High School
9	Russia (8)	Ytyk-Kuel Comprehensive School 1	Primary School
		Sakha-Korean School	Primary School
		"Secondary School №2 named after M.K. Ammosov"	Middle School
		"Nijny Bestyakh secondary school №1, Megino-Kangalassky uluus (district)"	Middle School
		Secondary educational school № 35	Middle School
		Yakutsk City Lyceum	General School
		National Polytechnic School 2	General School
		Oktemsky Lyceum	General School
10	Peru (1)	Politecnico Callao (Newly joined in 2017)	High School
TOTAL	86 Schools from 10 Economies	31 Primary Schools 16 Middle Schools 34 High Schools 5 General Schools	