

## **2017 SCE FORA REPORT: *Anti-Corruption and Transparency Experts' Working Group (ACTWG)***

**Date: 4 September 2017**

### **Summary**

#### **1. Main progress and achievements of 2017**

In 2017, ACTWG made great efforts in order to enhance pragmatic cooperation among law enforcement and anti-corruption agencies in fighting corruption, bribery, money laundering, as well as pursuing asset recovery; to share best practices on measures to fight corruption and illicit trade; and to provide APEC economies in need of assistance with an opportunity to make requests to multiple donor governments and technical assistance providers. Those efforts included the following activities:

- A workshop on ‘Promoting Social Engagement in Fighting Corruption’ held by Viet Nam, in partnership with the UNODC, on 18 February 2017 in Nha Trang city, Khanh Hoa Province, Viet Nam (SOM 1);
- The 24<sup>th</sup> Anti-Corruption and Transparency Experts’ Working Group (ACTWG) Meeting held from 19-20 February 2017 in Nha Trang City, Khanh Hoa Province, Viet Nam (SOM 1);
- A workshop on ‘Enhancing Whistleblower Protection in Corruption Cases’ held from 19-20 July 2017 in Chinese Taipei;
- A workshop on ‘Enhancing Cooperation among Law Enforcement and Anti-Corruption Agencies for Effective Asset Recovery’ held on 18 August 2017 in Ho Chi Minh City, Viet Nam (SOM 3);
- The 4<sup>th</sup> APEC Network on Anti-Corruption Authorities and Law Enforcement Agencies (ACT-NET) Meeting held on 19 August 2017 in Ho Chi Minh City, Viet Nam (SOM 3);
- The APEC Pathfinder Dialogue IV on Combating Corruption and Illicit Trade held on 19-20 August 2017 in Ho Chi Minh City, Viet Nam (SOM 3);
- The ACTWG Coordination Meeting with International Organizations held on 21 August 2017 in Ho Chi Minh City, Viet Nam (SOM 3);
- The 25<sup>th</sup> Anti-Corruption and Transparency Experts’ Working Group (ACTWG) Meeting held on 19 August 2017 in Ho Chi Minh City, Viet Nam (SOM 3);
- ACT-NET Training Workshop on Asset Recovery (to be held in December 2017).

#### **2. Recommendations to SCE/SOM**

### **Section I: Main Outcome of Plenary Meetings**

#### **1. 24<sup>th</sup> Anti-Corruption and Transparency Experts’ Working Group Meeting**

The 24<sup>th</sup> ACTWG meeting was chaired by H.E. Mr. NGUYEN Van Thanh, Deputy Government Inspector General of Viet Nam, and was attended by 17 APEC Member Economies (all economies, except Australia, Japan, Mexico and New Zealand); and Non-member Participants from the American Bar Association (ABA), Transparency International (TI) and the United Nations Office on Drugs and Crime (UNODC).

The meeting decided:

- To report on 2016 ACT Achievements;
- To discuss and endorse the 2017 ACT Work Plan;
- To update the ACT Strategic Plan Multi Year 2013-2020.
- To share experiences about the progress and development on implementing the UN Convention against Corruption (UNCAC) and other initiatives related to anti-corruption and transparency from the APEC economies;
- To share experiences about the implementation of the 2014 Beijing Anti-Corruption Declaration from the APEC economies;
- To update and/or report about the ongoing and proposed projects and ACT initiatives and related synergies with other relevant international for a;
- To have a discussion on social engagement in anti-corruption and compile APEC good practices on promoting social engagement; and
- To share information about the activities from international organizations on their anti-corruption activities and analyse possible interactions with ACT.

## **2. 25<sup>th</sup> Anti-Corruption and Transparency Experts' Working Group Meeting**

The 25<sup>th</sup> meeting of the ACTWG was chaired by H.E. Mr. NGUYEN Van Thanh, Deputy Government Inspector General of Viet Nam, and was attended by 20 APEC Member economies (all economies except for Mexico); and Non-member participants from the American Bar Association (ABA), Transparency International (TI), UNODC/WB Stolen Asset Recovery Initiative, and the United Nations Development Programme (UNDP).

The meeting decided:

- To share experiences about the progress and development on implementing the UN Convention against Corruption (UNCAC) and other initiatives related to anti-corruption and transparency from the APEC economies;
- To share experiences about the implementation of the 2014 Beijing Anticorruption Declaration from the APEC economies;
- To discuss the ACT Multi-year Strategic Plan 2013-2020;
- To report and/or update on the ongoing and proposed projects and ACT initiatives and related synergies with other relevant international fora;
- To update the progress of the Compilation of APEC Good Practices on Promoting Social Engagement in Anti-corruption;
- To discuss about the activities from international organizations on their anti-corruption activities and analyse possible interactions with ACT;
- To discuss the Draft ACT Statement for the AMM Declaration; and
- To announce the chairmanship of Papua New Guinea for 2018.

## **3. Fourth Meeting of the Network of Anti-Corruption Authorities & Law Enforcement Agencies (ACT-NET)**

The 4<sup>th</sup> ACT-NET meeting was held on 19 August 2017 in Ho Chi Minh City, Viet Nam. It was chaired by H.E. Mr. NGUYEN Van Thanh, Deputy Government Inspector General of Viet Nam, and attended by anti-corruption and law enforcement delegates from 19 Member economies (all economies except for Mexico and Brunei Darussalam).

The meeting decided:

- To report on the ACT-NET Achievements;
- To share information regarding anti-money laundering and asset recovery, international cooperation in bribery cases, repatriation of fugitives and informal international cooperation;
- To discuss on future cooperation projects for ACT-NET (2017 – 2018).

**Section II: Progress on Projects and Other Initiatives**

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
Workshop on ‘Promoting Social Engagement in Fighting Corruption’	The workshop on ‘Promoting Social Engagement in Fighting Corruption’ was held by the Government Inspectorate of Vietnam (GIV), in partnership with the UNODC, on 18 February 2017 in Nha Trang city, Khanh Hoa Province, Viet Nam during SOM 1. Through 3 sessions, about 100 participants from APEC economies and international organizations shared information about responsibility of the State as well as roles of social organizations and the citizens in promoting social engagement in fighting corruption, including corruption in private sector.	2017 ACT Working Plan	Human Security	Nil
The workshop on ‘Enhancing Whistleblower Protection in Corruption Cases’	The “APEC Workshop on Enhancing Whistleblower Protection in Corruption Cases” was held in Taipei on July 19-20, 2017. Around 100 people participated in the workshop, including delegates from 12 economies, Chinese Taipei professionals from multinational companies, financial institutions, risk auditing companies, and judicial departments. The workshop focused on whistleblower protection in both public and private sectors. On the basis of best practices and experiences of economies, the draft APEC Guiding Principles for Whistleblower Protection was made and circulated for comments by economies.	2017 ACT Working Plan	Human Security	Nil
The workshop on ‘Enhancing Cooperation among Law Enforcement Agencies for Effective Asset Recovery’	The workshop on ‘Enhancing Cooperation among Law Enforcement Agencies for Effective Asset Recovery’ was held by Vietnam, in collaboration with UNODC/WB Stolen Asset Recovery Initiative on 18 August 2017 in Ho Chi Minh City, Viet Nam within the framework of SOM 3. The one-day workshop drew an overall picture of regional and international efforts in asset recovery. Based on the legal framework, practices, national and international experiences, barriers and challenges, recommendations for further actions to enhance the collaboration and cooperation among anti-corruption and law enforcement agencies for effective asset recovery in Asia and the Pacific were made. Workshop participants included experts of anti-corruption and law enforcement agencies of APEC economies,	2017 ACT Working Plan	Human Security	Nil

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
	international organizations as well as asset recovery practitioners.			
The APEC Pathfinder Dialogue IV on Combating Corruption and Illicit Trade	The APEC Pathfinder Dialogue IV on Combating Corruption and Illicit Trade was held on 19-20 August 2017 in Ho Chi Minh City, Viet Nam during SOM 3. About 140 delegates from APEC economies, international organizations, the public sector, and civil society participated in the Dialogue. Speakers and participant shared best practices, lessons learned, and proven methods to combat the devastating role of corruption in wildlife trafficking, environmental crimes, and illegal logging. The Dialogue was co-chaired by H.E. Mr. NGUYEN Van Thanh, Deputy Government Inspector General of Viet Nam, ACT Chair and Ms. Marianne Toussaint, Head of Delegation U.S. Department of State.	2017 ACT Working Plan	Human Security	EGILAT
The ACTWG Coordination Meeting with International Organizations held on 21 August 2017 in Ho Chi Minh City, Viet Nam (SOM 3)	The ACTWG Coordination Meeting with International Organizations was held on 21 August 2017 in Ho Chi Minh City, Viet Nam (SOM 3). It was co-chaired by Viet Nam and the U.S. The meeting provided economies in need of assistance with an opportunity to discuss with multiple donor governments and technical assistance providers good practices and remaining needs. It was designed to improve the provision and coordination of capacity building assistance in order to more effectively and efficiently assist economies with their implementation of UNCAC and other regional and international anti-corruption obligations. Participants of the meeting were from APEC economies, as well as other governments, intergovernmental organizations, and non-governmental organizations.	ACT Strategic Plan Multi Year 2013-2020	- Human Security	Nil
ACT-NET Training Workshop on Asset Recovery	This workshop aims at enhancing capacity building among anti-corruption authorities and law enforcement agencies in the Asia-Pacific region regarding anti-money laundering and asset recovery. In this training workshop participants will discuss problems and address challenges in asset recovery practice; provide a comprehensive overview on approaches and tools in asset recovery, and on how law enforcement officials can effectively use formal and informal means in obtaining assistance in asset recovery process.	2017 ACT Work Plan  ACT Strategic Plan Multi Year 2013-2020	- Human Security	

<b>Title</b>	<b>Progress made</b>	<b>Mandate</b>	<b>ECOTECH Priorities</b>	<b>Cross-fora collaboration</b>
	This project is also designed to improve skills of investigators and prosecutors, such as, registering restraint order overseas, drafting MLA request, collecting and providing electronic evidence, tracing illegal money flows, and managing confiscated asset from corruption cases.			

## 2017 SCE FORA REPORT: *Agricultural Technical Cooperation Working Group (ATCWG)*

**Date:** 5 September 2017

### Summary

#### 1. Main progress and achievements of 2017

In 2017, ATCWG continues to implement its activities consistent with the vision statement and action plans incorporated in the Osaka Action Agenda and relevant subsequent directions, including those identified by the Ministerial Meetings on Food Security (MMFS) in Niigata in October 2010, Kazan in June 2012, Beijing in September 2014, Piura in September 2016 and the *APEC Food Security Roadmap Towards 2020* to strengthen regional food security and food safety. ATCWG continues to push this priority forward by encouraging ATCWG members to submit project proposals for APEC funding and undertake relevant activities.

ATCWG made progress in capacity building, knowledge and information sharing in line with the theme and priorities of APEC 2017, particularly for the priority of “*Enhancing Food Security and Sustainable Agriculture in Response to Climate Change*” through relevant projects including:

- (i) APEC Expert Consultation on Food Losses and Waste Reduction (12-13 June 2017, Taipei) (MYP SCE 02 2013A)
- (ii) Conference on Urbanization and Agricultural Modernization Development in the Asia-Pacific Region (28-29 June 2017, Beijing) (ATC 01 2017S)
- (iii) Capacity Building Workshop on Food Losses and Waste Reduction for a sustainable APEC Food System (19 August 2017, Can Tho, Viet Nam) (MYP SCE 02 2013A)

ATCWG also expects successful implementation of the following projects in 2017:

- (iv) Advanced Capacity Building for Mycotoxin Prevention and Control in Food and Feed Commodities in Asia-Pacific (October 2017, Beijing) (ATC 01 2016A)
- (v) Workshop on needs assessment for sustainable agriculture in APEC region and the “Food security-Climate-Resource Nexus” (October 2017, Beijing) (China self-funded)
- (vi) Workshop on Pathway Exploration on Agricultural Sustainable Development (October 2017, Tianjin) (China self-funded)
- (vii) Workshop on surveillance, control, and prevention of Wildlife Rabies (November 2017, Taipei) (Chinese Taipei self-funded)
- (viii) The APEC Symposium on Agricultural Science Data Sharing and Service (December 2017, Beijing) (China self-funded)

ATCWG hosted a successful 21<sup>st</sup> ATCWG Meeting on 20 August 2017 in Can Tho, Viet Nam.

#### 2. Recommendations to SCE/SOM

N/A

## **Section I: Main Outcome of Plenary Meetings**

The 21<sup>st</sup> ATCWG Annual Meeting was held on 20 August 2017 in Can Tho, Viet Nam and was attended by 40 participants from 14 economies. The meeting endorsed ATCWG 2017 Work Plan and took stock of the activities undertaken up to date. Discussions were focused on improving project quality and quantity, revision of the ATCWG TOR, and implementation of the Joint ATCWG-HLPDAB Independent Assessment (2016).

Going forward, ATCWG will focus its efforts to align itself closer with the overall priorities of APEC and enhance the **cross-fora collaboration** especially on project cooperation with an aim of attaining higher number of approved projects.

ATCWG aims to implement the 2016 joint ATCWG-HLPDAB Independent Assessment. Particular attention will be given to enhancing the quality and quantity of ATCWG Concept Notes with alignment to APEC priorities and gender participation, expansion of funding sources, and enhancing cross-fora collaboration via joint session ATCWG-HLPDAB session and attending plenary sessions of PPFS.

**Section II: Progress on Projects and Other Initiatives**

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
Strengthening Public-Private Partnership to Reduce Food Losses in the Supply Chain (MYP SCE 02 2013A)	<ul style="list-style-type: none"> <li>- Two Workshops were held in 2017:               <ul style="list-style-type: none"> <li>(i) Expert Consultation on Food Losses and Waste Reduction (12-13 June)</li> <li>(ii) Capacity Building Workshop on Food Losses and Waste Reduction for a sustainable APEC Food System (19 August)</li> </ul> </li> <li>- The MYP identified five major barriers to combating Food Losses and Waste (FLW) in APEC and recommended for (i) Develop, support, coordinate and implement complementary MYPs on reducing FLW within all APEC economies, (ii) Encourage capacity-building activities to reduce FLW in diverse private partners within APEC economies, (iii) Establishment of a coordinated entity, e.g., APEC FLW Center, to ensure that research, data standards harmonization, capacity-building activities, private-public partnership, public awareness initiatives and information dissemination continually supported and implemented..</li> <li>- For the Final phase in 2018, the MYP intends to host a HLPD on Reducing FLW to review and discuss the outcome of the project around the information exchange and capacity building of the deliverables, ensure further collaboration on the Information Platform and cross-fertilization across other APEC projects on postharvest loss and food security, and engage with governments, academics and stakeholders to influence policy priorities and strengthen implementation of formal institutions and programs that shape food security in APEC region.</li> </ul>	Addressing post-harvest losses in all stages of the entire food supply chain in the APEC region by strengthening public-private partnership	<ul style="list-style-type: none"> <li>- Technologies and Innovation</li> <li>- Regional Economic Integration</li> <li>- Sustainable Growth</li> </ul>	The MYP is a joint project of ATCWG and PPFS. PPFS members were invited to attend the MYP Workshops while outcomes and progress of the MYP were also regularly reported to the PPFS meetings.
Conference on Urbanization and Agricultural Modernization Development in the Asia-Pacific Region (ATC 01 2017S)	The Conference took stock of the situation of urbanization and agricultural modernization in APEC, exchanged research findings and experiences, and put forward feasible strategy of promoting the coordinated development of urbanization and agricultural modernization in the Asia-Pacific region.	Strengthen cooperation mechanism for urbanization and agricultural modernization in APEC region.	<ul style="list-style-type: none"> <li>- Technologies and Innovation</li> <li>- Inclusive Growth</li> <li>- Sustainable Growth</li> </ul>	N/A
Advanced Capacity Building for Mycotoxin Prevention and Control in Food and Feed Commodities in Asia-Pacific (ATC 01 2016A)	The Project intends to strengthen capacity building in Mycotoxin prevention and control through technical and information exchange mechanism, hosting workshop, and organisation of field visits. Topics to be focused at the Workshop will be Mycotoxin challenges in the APEC region, Mycotoxin prevention in pre and post-harvest, Detoxification of Mycotoxins in food and feed, Role of genomics in Mycotoxin prevention strategies, and Identification of Mycotoxins in food and feed commodities.	To enhance Food Safety and Security through the establishment of an APEC Mycotoxin Forum to carry Mycotoxin risk assessment on food safety and the issues related to its control in APEC region.	<ul style="list-style-type: none"> <li>- Technologies and Innovation</li> <li>- Regional Economic Integration</li> <li>- Human Security</li> </ul>	N/A
Workshop on needs assessment for sustainable agriculture in APEC region and the "Food security-Climate-Resource Nexus" (China self-funded)	The project aims to assess the needs and gaps in terms of policy, technology, investment and capacity building in APEC region for achieving SDGs, with the particular focus on benefits and tradeoffs between food security, climate change and resource management, and develop the technology pathways and policy recommendations for promoting sustainable agriculture.	To facilitate Sustainable Agricultural Development in APEC.	<ul style="list-style-type: none"> <li>- Technologies and Innovation</li> <li>- Sustainable Growth</li> </ul>	N/A

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
Workshop on Pathway Exploration on Agricultural Sustainable Development (China self-funded)	The Project intends to discuss relevant theories and methods for further strengthening APEC sustainable agricultural development. Topics to be focused will be on the path to sustainable agricultural development in China, APEC model for sustainable agricultural development, theoretical mechanism, practices and model of future APEC sustainable agricultural development, and promotion of successful cases and experience in sustainable agricultural development.	To facilitate Sustainable Agricultural Development in APEC.	<ul style="list-style-type: none"> <li>- Technologies and Innovation</li> <li>- Sustainable Growth</li> </ul>	N/A
Workshop on surveillance, control, and prevention of Wildlife Rabies (Chinese Taipei self-funded)	The project intends take stock of rabies-related regulatory programs in APEC economies, promote a common set of science-based best practices for wildlife rabies surveillance, and improve rabies control/elimination in APEC economies to minimize effects associated with rabies outbreak.	To facilitate Sustainable Agricultural Development in APEC.	<ul style="list-style-type: none"> <li>- Technologies and Innovation</li> <li>- Human Security</li> </ul>	HWG, TWG (TBC)
The APEC Symposium on Agricultural Science Data Sharing and Service (China Self-funded)	Topics of the symposium include:1) Technologies of data curation and data sharing, data management policy, data publication, etc. 2) Best practices in agricultural data sharing (ICPSR, GoDAN, AgriData, etc.). 3) Successful experiences or lessons learned on agricultural science resources sharing or data sharing. 4) Initiatives on agricultural data sharing platform for APEC regions and related mechanism and technology frameworks.	To enhance mutual understanding on the status of agricultural science data sharing in APEC members, and share experiences or lessons on science and technology resources sharing, and discuss on the foundations and technology frameworks of agricultural data sharing in APEC regions	<ul style="list-style-type: none"> <li>- Technologies and Innovation</li> </ul>	N/A

## 2017 SCE FORA REPORT: Counter-Terrorism Working Group (CTWG)

**Date:** 5 September 2017

### Summary

#### 1. Main progress and achievements of 2017

The Counter-Terrorism Working Group (CTWG) continued to work to strengthen security and resilience in the Asia Pacific region through activities in the four cross-cutting areas of the APEC Consolidated Counter-Terrorism and Secure Trade Strategy, namely: secure supply chains, secure travel, secure finance, and secure infrastructure.

As of September 2017, the CWTG had held two plenary meetings, the 9<sup>th</sup> CWTG in February (Nha Trang) and the 10<sup>th</sup> CTWG in August (Ho Chi Minh City). The CTWG held 1 (one) APEC Workshop on “*Strengthening Tourism Business Resilience against the Impact of Terrorist Attack*” in Bali, Indonesia on 9-10 May 2017, as part of CTWG APEC Projects. The CTWG also held 1 (one) self-funded workshop for Viet Nam security officers in March 2017 as part of Viet Nam’s preparations to host APEC in 2017.

The CTWG Chair initiated and hosted a “*Friends of the Chair Meeting*” in Sydney, Australia on 30 June 2017. The meeting successfully met its aim of shaping the CTWG’s agenda for the next 5 years by starting discussions on: a new Strategic Plan 2018 – 2022 (the Strategic Plan); review of the Strategic Plan 2013-2017; the 2018 CTWG Workplan (the Workplan); updating the CTWG’s Terms of Reference (ToRs); and mechanisms for appointing future Chairs and Vice-Chairs of the CTWG.

The CTWG is also planning to hold an APEC Workshop on Targeted Financial Sanctions related to terrorism and terrorist financing in Santiago, Chile on 6 – 8 November 2017. This is an APEC-funded project which was submitted by Chile and approved in Session 1, 2017.

#### 2. Recommendations to SCE/SOM

Nil.

### Section I: Main Outcome of Plenary Meetings

#### 1. 9<sup>th</sup> CTWG Meeting, Nha Trang, Viet Nam, 21 – 22 February 2017

- The first meeting of the Counter Terrorism Working Group in 2017 was the 9<sup>th</sup> CTWG meeting that took place in Nha Trang, Viet Nam, in the margins of SOM1. The CTWG Chair, Mr. James Nachipo (Australia) chaired the meeting. It was attended by 15 out of the 21 APEC Member Economies, namely, Australia, Canada, Brunei Darussalam, Chile, China, Indonesia, Japan, Malaysia, Papua New Guinea, Philippines, Russia, Chinese Taipei, Thailand, USA, and Viet Nam. Fifty-one (51) delegates, including APEC Secretariat staff, registered to attend the meeting. Fourteen (14) were female and thirty-seven (37) were male.
- The main deliberations and decisions of the meeting were as follows:
  - (i) Delegates supported Russia’s proposal to conduct regular threat assessments on terrorist risks in the APEC region.
  - (ii) Delegates reviewed and analysed new terrorist challenges in the APEC region, including the evolving terrorist threat related to ISIL and its affiliates, cross-border travel of foreign terrorist fighters and growing risk of terrorist financing.

- (iii) Highlighted the importance of exchanging relevant information in particular by special and law enforcement agencies, bilaterally and multilaterally drawing on Interpol and other international databases on counterterrorism.
- (iv) The APEC Secretariat presented and submitted a report on economies' 2016 Counter-Terrorism Action Plans (CTAPs). It was noted that twelve (12) economies had submitted their individual CTAPs and the updated report has been uploaded to the APEC CTWG webpage.
- (v) Based on the information provided in the CTAP Report, CTWG noted that “sharing experience on the implementation of providing information on lost, stolen, and tampered passports electronically on a voluntary basis to the International Criminal Police Organization (ICPO/Interpol) database is the most selected capacity-building category by member economies.
- (vi) Member economies under CTWG were also interested in capacity-building related to cyber security.

## **2. 10<sup>th</sup> CTWG Meeting, Ho Chi Minh City, Viet Nam, 18-19 August 2017**

- The 10<sup>th</sup> CTWG Meeting was the second CTWG Meeting in 2017. The meeting took place in Ho Chi Minh City on 18-19 August 2017 and chaired by CTWG Chair, Mr. James Nachipo (Australia). The meeting was attended by 17 out of 21 APEC Economies, namely Australia, Brunei Darussalam, Chile, China, Indonesia, Japan, Republic of Korea, Malaysia, Mexico, Papua New Guinea, Peru, Philippines, Russia, Chinese Taipei, Thailand, United States, and Viet Nam. Fifty-five (55) participants including from APEC Secretariat and Interpol (as an invited guest) were registered to take part in the meeting. Fifteen (15) were female and forty (40) were male.
- The main deliberations and decisions of the meeting were as follows:
  - (i) The CTWG agreed to extend its mandate for five (5) years from 2018 – 2022.
  - (ii) The CTWG reviewed its Strategic Plan of 2013 – 2017.
  - (iii) The CTWG discussed a draft Strategic Plan for 2018 -2022 and agreed to update the Plan by including issues such as countering foreign terrorist fighters, ISIL, and terrorist financing.
  - (iv) The CTWG agreed to update its Term of Reference after the Strategic Plan for 2018-22 is finalised.
  - (v) The CTWG discussed a proposal by Russia to submit draft text on counter terrorism for possible inclusion in the 2017 Leaders' Statement. Further work on the text will be conducted intersessionally.
  - (vi) The CTWG noted that some economies had been successful in securing APEC funding in 2016 and 2017 for projects submitted under the auspices of the CTWG.

- (vii) The CTWG noted the outcome of CTWG 01 2016 A: APEC Workshop on Strengthening Tourism Business Resilience against the Impact of Terrorist Attack that was presented by Indonesia.
- (viii) The CTWG noted an update on CTWG 01 2017A on Halting Terrorist Financing: APEC Workshop on the Targeted Financial Sanctions Regime, that will be hosted by Chile in Santiago on 6 – 8 November 2017.
- (ix) The CTWG noted Papua New Guinea’s concept note on its proposed project, “Strengthening Regulatory Frameworks and the Institutional Capacity of Economies as an Effective means to Combat Regional and Global Terrorism” that is currently being considered by the Principle Decision Makers’ (PDM). If APEC funding is secured, PNG will host the workshop at SOM1 2018.
- (x) The CTWG noted reports by Russia on: (i) analysis of terrorist threats in the APEC region; (ii) the role of Russian law enforcement authorities in ensuring security during major sporting events, including 2017 FIFA Confederations Cup and 2018 FIFA World Cup; (iii) protection of transport infrastructure facilities and vehicles, maritime transport against acts of unlawful interference; and (iv) counter terrorist financing initiatives taken by Russia at the UN and the Financial Action Task Force (FATF).
- (xi) The CTWG noted a report by Republic of Korea on its new Counter-Terrorism Act and preparation for the safety and security of the Pyeong Chang 2018 Olympic Winter Games in February 2018.
- (xii) The CTWG also discussed other substantive issues such as terrorist financing and measures under FATF, terrorist financing indicator risks, as well as exchange of views in the analysis of terrorist threats in the APEC Region.
- (xiii) The following economies: China, Russia, Republic of Korea, Chinese Taipei, Chile, Indonesia, Japan, Thailand and Australia shared their perspectives on regional CT threats and measures they had taken in response to terrorism. The CTWG noted the increasing threat from ISIL in the Asia Pacific Region and that several regional extremist groups had pledged allegiance to ISIL. The groups had plotted terrorist attacks that had been inspired by ISIL.
- (xiv) The CTWG recognized the vulnerability to terrorist attacks of soft targets such as public spaces, concerts, stadiums and festivals. In that regard, the CTWG agreed to include soft targets a priority area in the new Strategic Plan. The US indicated that it would organise a self-funded initiative on soft targets in 2018.
- (xv) The CTWG agreed to review and update the APEC Consolidated Counter-Terrorism and Secure Trade Strategy that was adopted by Leaders in 2011.
- (xvi) The CTWG noted the call by the Chair of the 2017 Policy Partnership on Women to follow good practices on diversity and inclusiveness by actively encouraging the participation of women in the activities of the Working Group.
- (xvii) The CTWG discussed the process for selecting the CTWG Chair and vice Chair. The Chair undertook to engage Member Economies on the issue intersessionally.

**Section II: Progress on Projects and Other Initiatives**

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<p>“Major Events Security Framework Workshop” for Viet Nam (CTWG 04 2016S)</p>	<p>The Self-funded Concept Note presented by Canada was endorsed at the 8<sup>th</sup> CTWG as part of MESF Project.</p> <p>This project is intended for Viet Nam security officers as well as relevant official to prepare to host APEC Event in year of 2017.</p> <p>This 5-day workshop is intended for Vietnamese Security officials to provide the participants with the opportunity to discuss the early phases of their security planning with Canadian experts who have the experience with major event security. Table-top exercises using Viet Nam’s APEC meeting as the scenario will be included in the workshop.</p>	<p><u>2016 Tasking Statement for 2017:</u> Increase cooperation among APEC member economies to address the dramatic evolution in the nature of terrorist threats and the growth of violent extremism, and to promote the security and resilience of businesses and communities</p>	<p><i>Human Security</i></p>	
<p>“APEC Workshop on Strengthening Tourism Business Resilience against the impact of Terrorist Attack” (CTWG 01 2016A)</p>	<p>The workshop was held in Bali, Indonesia on 10 - 11 May 2017. The workshop endorsed Recommendations as outcome document and summary of the workshop. All documents are available in the project data based.</p>	<p><u>2016 Tasking Statement for 2017:</u> Plan activities and projects to counter the financing of terrorism, violent extremism, and movement of foreign terrorist fighters</p>	<p><i>Human Security</i></p>	<p>Tourism Working Group (TWG)</p>
<p>CTWG 01 2017 – Halting Terrorist Financing: APEC Workshop on the Targeted Financial Sanctions Regime</p>	<p>The three-day workshop will be held in Santiago, Chile from 6-8 November 2017. Its principal objectives are to: enhance member economies’ understanding of the scope and components of the targeted financial sanctions regime, as required by UN Security Council resolutions and Financial Action Task Force (FATF) Recommendations; strengthen member economies’ capacity to implement these sanctions and prevent terrorists’ access to finance; and share experiences and best practices in dealing with the freezing of assets in counterterrorism.</p>	<p><u>2016 Ministerial Joint Statement:</u> We encourage economies to continue to take collective and individual actions and share best practices in the four cross-cutting areas of APEC’s Consolidated Counter Terrorism and Secure Trade Strategy in order to safeguard the region’s infrastructure, travel, supply chains, and financial systems from terrorism and other illicit activities.</p> <p><u>2008 Leaders’ Declaration:</u> Implement, where applicable, the <a href="#">FATF’s Special Recommendations</a> on terrorist financing, including those relating to non-profit organizations, alternative remittance systems and illicit cash couriers.</p>	<p><i>Human Security</i></p>	<p>None</p>

## 2017 SCE FORA REPORT: *Expert Group on Illegal Logging and Associated Trade (EGILAT)*

**Date:** 5 September 2017

### Summary

#### 1. Main progress and achievements of 2017

EGILAT has made progress in compiling the *EGILAT Timber Legality Guidance Template*:

- A majority of EGILAT members have developed and submitted their respective documents.
- EGILAT encouraged the members which have not completed this work to fulfil the task by SOM1 2018.

EGILAT has made progress in compiling the *Lists of Law Enforcement Points of Contact*:

- A majority of EGILAT members have developed and submitted their respective documents.
- EGILAT encouraged the members who have not yet completed their document to complete it in the near future and reminded members to keep their list updated.

EGILAT has also made further efforts to cooperate with relevant APEC fora and other international organizations for synergies:

- EGILAT's members participated in the Pathfinder Dialogue IV of ACTWG in the margin of SOM3 in August 2017.
- International organizations such as European Commission (EC), Forest Trends (FT), International Union of Forest Research Organization (IUFRO), Asia-Pacific Network for Sustainable Forest Management and Rehabilitation (APFNet), The Nature Conservancy (TNC), the Program of Endorsement of Forest Certification (PEFC), World Wildlife Fund (WWF) – China, and Interpol attended the EGILAT meetings, and shared their experiences and knowledge and discussed possible areas of cooperation with EGILAT members.

EGILAT implemented the following APEC-funded projects:

- Project (EGILAT 02 2016A) on theme of APEC Public-Private Dialogue with SMEs on Promoting Legal Trade in Harvested Wood Products and Strengthening Supply Chain Connectivity towards Sustainable Growth that was organized by Viet Nam in Feb 2017 in the margin of EGILAT 11 in Nha Trang City, Viet Nam.
- Project (EGILAT 01 2017A) in the form of Workshop on Customs Best Practices to Identify Illegal Timber and Wood Products, organized by United States in Aug 2017 in the margin of EGILAT 12 in Ho Chi Minh City, Viet Nam.

EGILAT approved the following project proposal:

- The CN proposed by Papua New Guinea and titled Corporate Social Responsibility (CSR) Best Practices to Promote Legal Trade of Wood and Wood Products has submitted to PDM for priority funding and which when approved will be held in the margins of SOM 3, 2018.

#### 2. Recommendations to SCE/SOM

N.A.

## **Section I: Main Outcome of Plenary Meetings**

### **1. Plenary Meeting A**

The 11<sup>th</sup> EGILAT Meeting was held on 21-22 February 2017 in the margin of SOM1 in Nha Trang, Viet Nam. It was chaired by Dr Ruth Turia from Papua New Guinea (Papua New Guinea Forestry Authority) and attended by 18 APEC economies and 7 invited guests, namely-

- Asia-Pacific Network for Sustainable Forest Management and Rehabilitation (APFNet)
- European Commission
- European Forest Institute (EFI)
- Forest Trends
- Norway
- International Union of Forest Research Organization (IUFRO)
- The Nature Conservancy (TNC)

The meeting:

- agreed on EGILAT 2017 Work Plan which was submitted to the SCE-COW Meeting on 28 February 2017 and endorsed.;
- agreed that the Core Group, which consist of the Chair, Viet Nam as the host of APEC 2017, Australia, Canada, Chile, China, Peru, the United States and the APEC Secretariat, to develop the EGILAT Multi-year Strategic Plan 2018-2022, and encouraged economies to provide their inputs that could be included in the Strategic Plan by the end of May 2017;
- congratulated Viet Nam on the successful organisation of the Public-Private Dialogue with SMEs on Promoting Legal Trade in Harvested Wood Products and Strengthening Supply Chain Connectivity towards Sustainable Growth;
- reminded the economies that have not yet developed their Lists of Law Enforcement Points of Contact related to illegal logging and associated trade to do so and submit them to the APEC Secretariat before EGILAT 12;
- endorsed the concept note developed by the United States for an EGILAT-SCCP Joint Workshop on Customs Best Practices to Identify Illegal Timber and Wood Products, which will be submitted for Project Session 1, 2017;
- agreed to coordinate with APEC Anti-Corruption and Transparency Working Group (ACTWG) for the Pathfinder Dialogue IV which will be held in the margin of SOM3 in August 2017;
- welcomed the concept note developed by Papua New Guinea for a dialogue on structural reform and Corporate Social Responsibility (CSR) best practices and the concept note developed by Viet Nam for a dialogue on best practices in domestic supply chain control of timber products in APEC, encouraged both economies to consult with other members and the EGILAT Project Advisory Group intersessionally for feedback and co-sponsorship, and submit them to Project Session 2, 2017;
- supported the proposal of Korea to host the 4th Meeting of Ministers Responsible for Forestry (MMRF4) in late October 2017 in Seoul, Korea.

### **2. Plenary Meeting B**

The 12<sup>th</sup> EGILAT Meeting was held on 20-21 Aug in Ho Chi Minh City, Viet Nam. It was chaired by Dr Ruth Turia from Papua New Guinea (Papua New Guinea Forestry Authority) and attended by 15 APEC economies and 5 invited guests, who were:

- Program of Endorsement of Forest Certification (PEFC)
- The Nature Conservancy (TNC)
- World Wildlife Fund – China (WWF)
- Interpol
- Forest Trends

The meeting:

- discussed the new policy of APEC- funded project management;
- noted the exchanged of information among a number of member economies on their progresses and efforts relating to preventing and combating Illegal Logging and promoting trade in legal forest products;
- noted that EGILAT had achieved most of the planned activities under its 2017 Work Plan and recommended for any remaining activities to be captured in the 2018 work plan.
- discussed the draft Strategic Plan 2018-2022, where there were still bracketed texts, because members could not reach consensus whether preventing illegal logging should be included in the Strategic Plan and encouraged members to work on the Plan inter-sessionally before SOM1, 2018;
- encouraged member economies who have not submitted their list of law enforcement points of contact on illegal logging to do so;
- congratulated Papua New Guinea on the progress of its CN which has narrowed its focus only on corporate social responsibility and is co-sponsored by USA and China, which when approved will be held in the margins of SOM 3, 2018.
- congratulated USA on the successful organisation of the Workshop on Customs Best Practices to Identify Illegal Timber and Wood Products and requested the USA to share the outcomes from that Workshop and follow through some relevant actions as deemed necessary;
- reviewed the successful work of the Pathfinder Dialogue IV and encouraged such dialogue and cooperation to continue;
- noted the update on the arrangement of the 4th APEC Meeting of Ministers Responsible for Forestry (MMRF4) to be held in Seoul, South Korea from 30 October – 1 November, 2017 at Westin Chosun Hotel;
- noted the procedure for the election of the new EGILAT Chair for 2018-2019 where in Indonesia indicated its interest to submit a candidacy which should reach the APEC EGILAT PD by 16 October, 2017;
- noted the update from Papua New Guinea on the Date and Venue of the 13th EGILAT Meeting from 26th to 28th January, 2018 in Port Moresby, Papua New Guinea;
- agreed that the EGILAT 2018 Work Plan will be developed by a team of core group members which consists of the Chair, the incoming host economy, the APEC Secretariat and the other volunteered economies as previously agreed; and
- noted and encouraged the participation in the Pathfinder Dialogue IV of ACTWG in the margin of SOM3 in August 2017.

## Section II: Progress on Projects and Other Initiatives

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<p>Compiling information for the EGILAT Timber Legality Guidance Template in accordance to the APEC Common Understanding of the Scope of Illegal Logging and Associated Trade</p>	<p>Only a small number of economies have developed and submitted their respective documents on a Timber Legality based on the APEC Common Understanding of the Scope of Illegal Logging and Associated Trade in 2017. The rest of the members are encouraged to continue the work by SOM1 2018.</p>	<p>Endorse the <i>Common Understanding of the Scope of Illegal Logging and Associated Trade</i>, and the <i>Timber Legality Guidance Template</i> developed by the Experts' Group on Illegal Logging and Associated Trade. <b>(2015 AMM Joint Statement)</b></p> <p>Enhance cooperation among APEC economies through the EGILAT to combat illegal logging and associated trade, building on EGILAT's development of the <i>Common Understanding of the Scope of Illegal Logging and Associated Trade</i> and the <i>Timber Legality Guidance Template</i>. <b>(2015 MMRF3 Joint Statement)</b></p> <p>Instruct officials to consider proposals related to information sharing and transparency, and to take concrete actions to combat illegal logging and promote trade in legal wood products. <b>(2014 AMM Joint Statement)</b></p> <p>Invite APEC member economies to compile and share information described in the Timber Legality Guidance Template. <b>(EGILAT Work Plan 2016)</b></p>	<p>Sustainable Growth</p>	<p>The completed EGILAT Timber Legality Guidance will be shared with other relevant APEC fora, such as SCCP, ACTWG, SMEWG, and etc, where appropriate.</p>
<p>Completing and sharing the List of Law Enforcement Points of Contact Relating to Illegal Logging and Associated Trade</p>	<p>The proposal was discussed and agreed by almost all EGILAT members at the 10<sup>th</sup> EGILAT Meeting. It was also introduced to SCCP and ACTWG members at the 2<sup>nd</sup> EGILAT-SCCP Joint Meeting and the Pathfinder Dialogue.</p> <p>Members of EGILAT and other relevant groups will compile information on law enforcement points of contact relating to ILAT with the aim of completing this task in 2017. Members of relevant groups will continue working on it. A further updated proposal will be circulated later for members' consideration.</p>	<p>Reaffirmed APEC's commitment to take concrete steps to fight against illegal logging and associated trade in the region and efforts to facilitate law enforcement cooperation within and among APEC economies. <b>(2016 AMM Joint Statement)</b></p> <p>Called for enhanced cooperation among APEC economies through the EGILAT to combat illegal logging and associated trade, promote trade in legally harvested forest products, and build capacity. <b>(2015 MMRF3 Joint Statement)</b></p> <p>Reaffirmed commitment to promote trade in legal timber, legally harvested wood and wood products and combat illegal logging and associated trade. <b>(2014 AMM Joint Statement)</b></p> <p>Called for the development and sharing of a list of law enforcement points of contact from each APEC economy on illegal logging <b>(EGILAT Work Plan 2016)</b></p>	<p>Safeguarding the Quality of Life Through Sustainable Growth <b>(ECOTECH Priority)</b>;</p> <p>Fostering Sustainable, Innovative and Inclusive Growth <b>(APEC 2017 Priority)</b></p>	<p>Cooperate with ACTWG and SCCP</p>
<p>APEC Public-Private Dialogue with SMEs on Promoting Legal Trade in Harvested Wood Products and Strengthening Supply</p>	<p>The project was approved at Project Session 2, 2016, and a project-based workshop was held in Feb 2017 in the margin of SOM1, before EGILAT 11th in Nha Trang City, Viet Nam. A number of forestry experts from member economies, international</p>	<p>Recognized the efforts of the private sector in sustainable forest management and support their efforts through appropriate policy frameworks. <b>(2015 MMRF3 Joint Statement)</b></p> <p>Reaffirmed commitment to promote trade in legal timber, legally harvested wood and wood products and combat illegal logging and associated trade.</p>	<p>Safeguarding the Quality of Life Through Sustainable Growth <b>(ECOTECH)</b>;</p> <p>Fostering Sustainable,</p>	<p>Collaboration with the Nature Conservancy and SMEs from the private sector</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
Chain Connectivity towards Sustainable Growth (EGILAT 02 2016A)	organizations, academia, and non-profit organizations and private sector were sharing information and updating their common understandings of legal trade in harvested wood products, by exposing successful applied evidences, pilot activities and best practices in these fields and implementation of PPP models to support private sector and SMEs, the engagement in promoting legal trade in harvested wood products, forest conservation towards sustainable development, and involved group discussion on policy making experiences, policy inputs and recommendations/initiatives.	<p><b><u>(2014 AMM Joint Statement)</u></b></p> <p>Called for strengthening private sector investment in sustainable forest management across the APEC region, along with access to better technology and markets, by promoting enabling policy environments that attract investors, including sound forest-related legislation, effective law enforcement and forest governance frameworks, market-based instruments. <b><u>(2013 MMRF2 Joint Statement)</u></b></p> <p>Agreed to hold a public-private sector dialogue with SMEs to inform the development of best practices to combat illegal logging and associated trade and promoting trade in legal forest products <b><u>(EGILAT Work Plan 2016) and AMM 2016</u></b></p>	Innovative and Inclusive Growth <b><u>(APEC 2017 Priority)</u></b>	
Workshop on Customs Best Practices to Identify Illegal Timber and Wood Products (EGILAT 01 2017A)	The concept note on the joint workshop was presented and discussed at the 10 <sup>th</sup> EGILAT Meeting and the 2 <sup>nd</sup> EGILAT-SCCP Joint Meeting in August 2016 in Lima. The project was approved at Project Session 1, 2017, and a project-based workshop was held in August 2017 in the margin of SOM3 before EGILAT 12th in Ho Chi Minh City. A number of forestry experts from member economies, international organizations, academia, and non-profit organizations were sharing experience on customs best practices to identify illegal timber and wood products and discussed the associated efforts in this field into the future.	<p>Reaffirmed APEC's commitment to take concrete steps to fight against illegal logging and associated trade in the region and efforts to facilitate law enforcement cooperation within and among APEC economies. <b><u>(2016 AMM Joint Statement)</u></b></p> <p>Enhanced cooperation among APEC economies through the EGILAT to combat illegal logging and associated trade, promote trade in legally harvested forest products, and build capacity. <b><u>(2015 MMRF3 Joint Statement)</u></b></p> <p>Reaffirmed commitment to promote trade in legal timber, legally harvested wood and wood products and combat illegal logging and associated trade. <b><u>(2014 AMM Joint Statement)</u></b></p> <p>Co-developed a concept note with SCCP to deliver a workshop on customs issues related to preventing and combating illegal logging and associated trade <b><u>(EGILAT Work Plan 2016)</u></b></p>	<p>Safeguarding the Quality of Life Through Sustainable Growth <b><u>(ECOTECH Priority)</u></b></p> <p>Fostering Sustainable, Innovative and Inclusive Growth <b><u>(APEC 2017 Priority)</u></b></p>	Joint activity with SCCP. ACTWG members as well members of the World Customs Organization (WCO), UN Office on Drugs and Crime (UNODC), INTERPOL, ITTO, GTTN and the CITES secretariat are invited to attend it.
Dialogue on Corporate Social Responsibility best practices to promote legal trade of wood and wood products	The CN was endorsed by 11 <sup>th</sup> EGILAT meeting and it is with PDM's for priority consideration, which will be published after 19 September, 2017.	<p>Enhance cooperation among APEC economies through the EGILAT to combat illegal logging and associated trade, promote trade in legally harvested forest products, and build capacity. <b><u>(2015 MMRF3 Joint Statement)</u></b></p> <p>Reaffirm commitment to promote trade in legal timber, legally harvested wood and wood products and combat illegal logging and associated trade. <b><u>(2014 AMM Joint Statement)</u></b></p> <p>Strengthen private sector investment in sustainable forest management across the APEC region, along with access to better technology and markets, by promoting enabling policy environments that attract investors,</p>		

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
		<p>including sound forest-related legislation, effective law enforcement and forest governance frameworks, market-based instruments... <i>(2013 MMRF2 Joint Statement)</i></p> <p>Hold a workshop to share experiences and disseminate knowledge on new technologies and approaches designed to assist efforts to assure legal logging and associated trade <i>(EGILAT Work Plan 2016)</i></p>		
<p>Pathfinder IV Dialogue Series: co-develop and deliver dedicated ILAT sessions with ACTWG</p>	<p>Pathfinder IV was successfully held r with ACTWG in the margins of SOM3 in Ho Chi Minh City, Viet Nam.</p> <p><b>Schedule:</b> in the margin of SOM3 (August 2017)</p> <p><b>Leads:</b> USA, all EGILAT members</p>	<p>Enhanced cooperation among APEC economies through the EGILAT to combat illegal logging and associated trade, promote trade in legally harvested forest products, and build capacity. <i>(2015 MMRF3 Joint Statement)</i></p> <p>Reaffirmed commitment to promote trade in legal timber, legally harvested wood and wood products and combat illegal logging and associated trade. <i>(2014 AMM Joint Statement)</i></p>	<p>Safeguarding the Quality of Life Through Sustainable Growth <i>(ECOTECH Priority)</i></p> <p>Fostering Sustainable, Innovative and Inclusive Growth <i>(APEC 2017 Priority)</i></p>	<p>ACTWG, and external organizations such as UNODC, World Bank, INTERPOL, OECD and various non-governmental organizations</p>
<p>MMRF4</p>	<p>South Korea is progressing well with its preparation for hosting the MMRF4 which will take place from 29 Oct.to 1 Nov.2017 in Seoul. The host economy has circulated invitation, draft agenda and NMP applications to members for commends.</p>	<p>Continue working through the EGILAT to share information and best practices on enforcement efforts and policies that are successful in combating illegal logging and associated trade, and promoting trade in legally harvested forest products;<i>(2015 MMRF3 Joint Statement)</i></p>		
<p>The EGILAT Multi-year Strategic Plan 2018-2022</p>	<p>After a very long discussion on the draft The Strategic Plan 2018-2022 was discussed in the 12<sup>th</sup> EGILAT meeting, however member still couldn't achieve consensus on the issue of whether 'preventing' illegal logging should be included in strategy plan or leave as 'combatting'.</p> <p>The cleaner version updated by the Chair has been circulated to members after meeting for comments.</p>	<p>Enhance cooperation among APEC economies through the EGILAT to combat illegal logging and associated trade, promote trade in legally harvested forest products, and build capacity. <i>(2015 MMRF3 Joint Statement)</i></p> <p>Reaffirm commitment to promote trade in legal timber, legally harvested wood and wood products and combat illegal logging and associated trade. <i>(2014 AMM Joint Statement)</i></p> <p>Strengthen private sector investment in sustainable forest management across the APEC region, along with access to better technology and markets, by promoting enabling policy environments that attract investors, including sound forest-related legislation, effective law enforcement and forest governance frameworks, market-based instruments... <i>(2013 MMRF2 Joint Statement)</i></p> <p>Hold a workshop to share experiences and disseminate knowledge on new technologies and approaches designed to assist efforts to assure legal logging and associated trade <i>(EGILAT Work Plan 2016)</i></p>		

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<p>Develop a concept note to increase knowledge on technical matters related to preventing and combating illegal logging and associated trade</p>	<p>EGILAT will develop a concept note to build capacities in terms of wood traceability and incorporation of the use of satellite images for the detection of forest cover changes.</p> <p>Chile informed EGILAT that it will submit this CN for project session 1, 2018.</p> <p><b>Schedule:</b> Project Session 1, 2018</p> <p><b>Leads:</b> Chile, all EGILAT members</p>	<p>Reaffirmed APEC’s commitment to take concrete steps to fight against illegal logging and associated trade in the region and efforts to facilitate law enforcement cooperation within and among APEC economies. In addition, we note the importance of increasing trade in legally harvested forest products.</p> <p>Looked forward to further development in favor of trade in legally harvested forest products, and welcome member economies’ endeavors to pursue measures to establish effective timber traceability systems, including through strengthened government capacity.</p> <p><i><u>(2016 AMM Joint Statement)</u></i></p>		

## **2017 SCE FORA REPORT: *Emergency Preparedness Working Group (EPWG)***

**Date:** 5 September 2017

### **Summary**

#### **1. Main progress and achievements of 2017**

EPWG continues to play an important role in building the capacity of its member economies to better mitigate, prepare for, and respond to and recover from emergencies and natural disasters as well as strengthening cooperation between the emergency preparedness focal point officers among member economies. In particular, in facing the “new normal” phenomenon as the Asia Pacific region is situated in the pacific ring of fire, it is crucial that member economies have the capability in minimizing the losses and ensure that the communities have the support to overcome adversity and build back better.

In 2017, the EPWG held two plenary meetings: 11<sup>th</sup> EPWG on 18 – 19 February and 12<sup>th</sup> EPWG on 21 - 22 August.

This year host Economy Viet Nam will also hold 11<sup>th</sup> Senior Disaster Management Officials Forum (SDMOF) in Vinh City on 21 – 22 September 2017. The theme of the Forum is “Enhancing inter-regional cooperation and advance technology innovation and application to effective emergency response facing the New Normal” in the APEC Economies”. The general objective of the forum is to identify priority actions for APEC leaders to ensure that our communities, businesses, and economies could become more prepared against natural disasters and to collaborate with each other for strengthening the efforts of DRR. Specific objectives include:

- Identify advanced science and technology solutions in preventing and controlling natural disasters and good policy practices of successful application of science and technology to DRR
- Identify ways to enhance cooperation among APEC economies to develop innovative solutions and policy advocacy in science and technology to effectively support inter-regional emergency response to new disaster phenomena "New Normal Natural Disaster" in the APEC economies;

Other activities scheduled to be implemented as part of EPWG APEC Project in 2017 are:

- APEC Workshop on Enhancing Rural Disaster Resilience through Effective Infrastructure Investment Build Back Better of infrastructure supporting industries in region on 20 September 2017.
- Seminar on Tsunami Threat Assessment for Tsunami Warning Centers of APEC Economies on 5 – 7 December 2017.

#### **2. Recommendations to SCE/SOM**

Governance improvement is essential, however, flexible application of quorum requirement is worth exploring by well examining nature of responsibilities born by members of individual group, one by one. It should be noted that, in case of natural disasters, majority of EPWG members should stay in their home economies regardless of APEC meeting schedule. It should also be noted that in Asia, for example SOM 3 period, largely overlaps the typhoon season

### **Section I: Main Outcome of Plenary Meetings**

#### **1. 11<sup>th</sup> Emergency Preparedness Working Group Meeting, Nha Trang, Viet Nam, 18-19 February 2017**

The 11<sup>th</sup> Emergency Preparedness Working Group was held in Nha Trang, Viet Nam, on 20-21 February, 2016. The meeting was Co-chaired by Ms. Kyoko Kondo (Japan) and Dr. Tuan Quang Le (Viet Nam).

The meeting was attended by 13 out of 21 APEC Economies namely: Australia, China, Indonesia, Japan, Korea, Mexico, Papua New Guinea, Philippines, Russia, Singapore, Chinese Taipei, United States, and Viet Nam. The meeting was also attended by 5 (five) Guest Participants: JICA, Pacific Disaster Center (PDC), Asian Disaster Preparedness Center (PDC), World Food Program (WFP), and Rotary Club. With only 13 economies attended the meeting the meeting did not meet quorum requirement as it requires 14 economies to reach quorum. However, the head of INDECI of Peru submitted a video message on the flood affecting the economy, for which they were forced to participate in the meeting, remotely.

Outcome of the meeting:

- EPWG noted Viet Nam presented on the theme, agenda and schedule for 11<sup>th</sup> Senior Disaster Management Officials Forum to be held in Vinh on September 2017. Host Economy proposed “Science and Technology to live with the new normal” as the theme. Viet Nam also requested economies’ support to the Concept Note and planning to submit the SDMOF outcome to the Leaders’.
- EPWG noted inputs from Singapore, Chinese Taipei, Philippines, China, and Indonesia on Advanced Technology in Facilitating Disaster Risk Reduction.
- EPWG noted report from Peru, Chinese Taipei, China, Australia, Mexico, Russia, Indonesia, Viet Nam, Singapore, and Japan on major disaster happened in their territory in 2016, measures taken to respond to that disasters as well as new policy initiatives with regard to emergency preparedness.
- EPWG agreed on the draft Strategic Plan 2017-2020 and to be submitted to SCE for their consideration.
- EPWG noted report from Japan on the implementation of project “Enhancing Rural Disaster Resilience through Effective Infrastructure Investment and informed that kick off meeting will be held in Kobe on March 2017. The aim of kick off meeting is to develop a questionnaire for member economies regarding the idea of Build Back Better (BBB) and the practice in the recovery and reconstruction as well as good practices on infrastructure recovery, in each economy.
- EPWG noted report from Chinese Taipei through EPCC on Plant Back Better Initiative to help affected area with vegetable plantation.
- EPWG noted report from USA on: (i) the outcome of the “Strengthening Public Alert and Early Warning Capacity” Project. Workshop was held prior to SDMOF in Iquitos, Peru in October 2016, (ii) final report on Appropriate Donations Communication Toolkit which was endorsed by the group and uploaded to the APEC website for easy access, (iii) the gap analysis report “Assessing the Economic Value of Natural Infrastructure in Coastal Ecosystems for Disaster Risk Reduction, Response and Coastal Resilience in APEC Region” that came through Ocean and Fisheries Working Group (OFWG).

**2. 12<sup>th</sup> Emergency Preparedness Working Group Meeting, Ho Chi Minh City, Viet Nam, 21-22 August 2017**

The 12<sup>th</sup> Emergency Preparedness Working Group was held in Ho Chi Minh City, Viet Nam on 21–22 August 2017. The meeting was co-chaired by Ms. Kyoko Kondo (Japan) and Dr. Tuan Quang Le (Viet Nam).

There were 11 APEC Economies attending the meeting namely Australia, China, Japan, New Zealand, Papua New Guinea, Peru, Philippines, Singapore, Chinese Taipei, USA, and Viet Nam. The meeting was also attended by 3 Guest Participants from JICA, World Vegetable Center, and Asia Foundation. Despite flood and typhoon season in Asia 11 economies attended the meeting although the meeting did not meet the quorum as 14 economies are needed to reach quorum.

Outcome of the meeting:

- EPWG discussed the preparation for 11<sup>th</sup> Senior Disaster Management Officials Forum (SDMOF). The forum will be held in Vinh City, Viet Nam on 21 – 22 September 2017. Self-funded cover sheet has been endorsed for this initiative. The theme will be “Enhancing Inter-Regional Cooperation and Advance Technology Innovation and Application to Effective Emergency Response Facing New Normal.”
- EPWG took note report from Japan on the APEC Project of Enhancing Rural Disaster Resilience through Effective Infrastructure. Kick of meeting was held in Kobe on 13 – 14 March 2017. The meeting discussed the concept of Infrastructure Build Back Better including the restoration of physical infrastructure and societal system after a disaster by examining diverse types of BBB of infrastructure. A one-day Workshop will be organized on 20 September 2017 to compile a case book study.
- EPWG noted 3 CNs submitted for project session 2, 2017 which the two of them were submitted to PDM decision, namely: (i) Identifying Economic Impacts by Mega Disasters Affecting Asia Pacific Economy and (ii) Capacity Building and Emergency Preparedness for Sustainable Development at Agriculture Communities through “Plant Back Better Initiatives”.
- EPWG noted presentation by Australia, China, New Zealand, Peru, Philippines, Chinese Taipei, Viet Nam and Japan on recent major disasters that occurred and DRR policy implication.
- EPWG also noted report from Japan CTI representative on APEC High Level Meeting on Quality Infrastructure that is going to be held in Tokyo on 17 – 18 October 2017. As a follow up of the ‘APEC Connectivity Blueprint for 2015-2025’, it aims to share good practices and lessons learned in infrastructure projects and enhance understanding on “quality infrastructure investment” from both institutional and technical perspectives among high level officials in charge of infrastructure.
- EPWG noted report from USA on promoting best practices in policies and regulations and flexibility for supply chain resilience” workshop that was organized by the USA on 18 – 19 August 2017 as well as the outcome of the workshop.
- EPWG agreed to submit a paragraph for Leader’s Statement and will work intersessionally for an agreed paragraph. The focus would be: the importance of mainstreaming APEC Disaster Reduction (DRR) Framework agreed by the Leaders in 2015 and science and technology to facilitate DRR implementation.
- EPWG noted presentation by Papua New Guinea on the 2018 EPWG Meetings. The upcoming EPWG Meeting is planning to be held on 27 – 28 January 2018 in Port

Moresby. Papua New Guinea also planning to host 12<sup>th</sup> Senior Disaster Management Forum (SDMOF) on 13 – 14 September 2018 in Kokopo.

- EPWG conducted a Policy Dialogue on Science, Technology, Innovation, Food Security, Climate Change and Gender Empowerment an initiated by Chinese Taipei relating to Plant Back Better. The dialogue resulted in a Joint Declaration between Chinese Taipei, Viet Nam and Papua New Guinea that will be presented by Chinese Taipei at PPFS.

## **Section II: Progress on Projects and Other Initiatives**

<b>Title</b>	<b>Progress made</b>	<b>Mandate</b>	<b>ECOTECH Priorities</b>	<b>Cross-fora collaboration</b>
EPWG 01 2016A – APEC Workshop on Enhancing Rural Disaster Resilience through Effective Infrastructure Investment Build Back Better of infrastructure supporting industries in region	<p>Kick of Meeting was held in Kobe on 13 – 14 March</p> <p>Questionnaire on the concept of Build Back Better was circulated for EPWG feedback.</p> <p>Workshop is going to be held in Vinh City, Viet Nam on 20 September 2017. Invitation was send out to member economies including nomination form for funding.</p>	APEC Disaster Risk Reduction (DRR) Framework adopted by APEC leaders in 2015	<ul style="list-style-type: none"> <li>- Technologies and Innovation</li> <li>- Human Security</li> </ul>	CTI ( APEC High Level Meeting on Quality Infrastructure,
EPWG 01 2017A – Tsunami Threat Assessment for Tsunami Warning Centers of APEC Economies	A three-day workshop to be held in 5 – 7 December 2017, in Santiago, Chile. The aim of this workshop is to promote the exchange of knowledge, experience and best practices between APEC economies in the area of tsunami disaster management. The project also attempts to improve the understanding of tsunami behavior, improvements of tsunamis forecast models and tools for Decision Support Systems among APEC economies, providing an overview of the best practices carried out by important actors / experts and more experienced economies and Regional Centers.	APEC Disaster Risk Reduction (DRR) Framework adopted by APEC leaders in 2015	<ul style="list-style-type: none"> <li>- Technologies and Innovation</li> <li>- Human Security</li> </ul>	
EPCC Self-funded Training Workshop on Regional and Local Best Practices of Post-Disaster Recovery: Building Sustainability and Resilience through Scientific Approaches	Training Workshop was held on 17 – 21 July 2017 in Nagoya Japan. It aimed to promote cross-boundary exchanges of science and technology related to post-disaster recovery. Best practices sharing focal issues in APEC region. The 2017 Workshop will be entitled as “Regional and Local Best Practices of Post-Disaster Recovery: Building Sustainability and Resilience through Scientific Approaches”.	APEC Disaster Risk Reduction (DRR) Framework adopted by APEC leaders in 2015	<ul style="list-style-type: none"> <li>- Technologies and Innovation</li> <li>- Human Security</li> </ul>	
EPCC Self-funded APEC Summit on Resilience and Capacity Building Training Workshop on Promoting Business Connectivity	<p>The training workshop was held in Nagoya, Japan on 10 – 13 April 2017 and was attended by Research community, and industries of automobile, insurance, finance and electronics.</p> <p>Core discussed issues was exploring the strategic approach on public-private-partnership-based business continuity management (BCM)</p>	APEC Disaster Risk Reduction (DRR) Framework adopted by APEC leaders in 2015	<ul style="list-style-type: none"> <li>- Technologies and Innovation</li> <li>- Human Security</li> </ul>	
11st SDMOF	<p>11<sup>th</sup> SDMOF will be held in Vinh City, Viet Nam as part as host economy self-funded initiative on 21-22 September 2017.</p> <p>Agenda and schedule of the forum are circulated to APEC EPWG Senior Officials, PPSTI Senior Officials, APEC Committee Chairs, and ABAC Secretariat and official observer.</p>	APEC Disaster Risk Reduction (DRR) Framework adopted by APEC leaders in 2015	<ul style="list-style-type: none"> <li>- Human Capital Development</li> <li>- Technologies and Innovation</li> <li>- Human Security</li> </ul>	PPSTI,

## 2017 SCE FORA REPORT: *Energy Working Group (EWG)*

**Date:** 5 September 2017

### Summary

#### 1. Main progress and achievements of 2017

The Energy Working Group's (EWG) Work Plan incorporates guidance from APEC Economic Leaders,

Ministers and Energy Ministers to form a solid foundation for the EWG work program. The EWG's work plan responds to specific priorities from Leaders and Ministers on areas such as strengthening energy security, advancing clean and renewable energy, capacity building activities to support rationalization and phase out inefficient fossil fuel subsidies, enhancing energy efficiency, promoting energy resiliency, and advocating low-carbon development for sustainable growth.

The themes of energy security, clean energy development and deployment, energy efficiency, energy resiliency, and sustainable growth continue to be prominent in the Energy Working Group's activities, including the works of EWG's eight sub-fora: (1) Expert Group on Energy Efficiency and Conservation (EGEEC); (2) Expert Group on New and Renewable Energy (EGNRET); (3) Expert Group on Energy Data and Analysis (EGEDA); (4) Expert Group on Clean Fossil Energy (EGCFE); (5) Low Carbon Model Town Taskforce (LCMTTF); (6) Energy Resiliency Taskforce (ERTF); (7) Asia Pacific Energy Research Centre (APEREC); and (8) APEC Sustainable Energy Center (APSEC). The EWG will continue to increase its focus on responding to natural and man-made resiliency challenges for energy infrastructure and networks, including those related to climate change. Capacity building activities to improve the analytical, technical, operational and policy capacity of APEC economies will continue through workshops, information exchanges, training, best practice guides, peer reviews and other activities. Additional emphasis will be placed on exercise training for oil and gas emergencies.

During the reporting period (i.e., between September 2016 to August 2017)

- 14 EWG Projects were completed
- 23 EWG Projects commenced
- 34 EWG Reports were published on the APEC website
- 22 EWG Project workshops were held
- 4 EWG Peer Reviews were held
- 2 EWG plenary and 12 EWG Sub-fora meetings were held

Other highlights include:

- Management of Sub-Fund on Energy Efficiency and Low Carbon Measures were fully discussed and members' consensus were reached.
- Monitoring the progress of APEC's aspirational goals on energy, including energy intensity reduction goal and renewable energy doubling goal.
- Energy security: Activities under Oil and Gas Security Initiative were conducted, including Oil and Gas Security Exercise held in May 2017 in Australia, and Oil and Gas Security Network held in June 2017.
- Renewable energy: Work exploring ways to double the share of renewable energy in the APEC region as well as various technical projects to accelerate wind, biomass and solar energy were completed along with research on green energy smart farm with cross-cutting perspectives from the fields of energy and agriculture.
- Energy efficiency: Peer review on Energy Efficiency was conducted in Mexico in February 2017; work on Energy Efficiency for buildings and electrical appliances was progressed.
- Clean fossil fuels: Oil and gas, in addition to coal, are incorporated as the work streams of Expert Group on Clean Fossil Energy; Peer Reviews on Fossil Fuel Subsidy Reform were conducted in Chinese Taipei in September 2016 and in Viet Nam in February 2017; APEC Workshop on Fossil

Fuel Subsidy Reform was held in Jakarta in July 2017.

- Low Carbon Cities: The Third Best Practice Award of Energy Smart Communities Initiative (ESCI) was granted in Singapore in April 2017; the dissemination of Low Carbon Model Town was launched; Krasnoyarsk, the Russian Federation was selected as the seventh case in Low Carbon Model Town project.

- Energy Resiliency: Energy Workforce Resilience Workshop was held in Singapore in April 2017 to highlight the human resources challenges in the energy sector; Research on energy-water nexus was completed.

- Dialogue with PPFS on energy issues in agricultural sector was conducted in PPFS meeting in September 2016.

## 2. Recommendations to SCE/SOM

It is recommended that SCE note the report.

### Section I: Main Outcome of Plenary Meetings

#### 1. EWG52

The 52<sup>nd</sup> EWG meeting was held in Moscow, Russia, on 17-21 October 2016. It was co-chaired by Dr Jyuung-Shiau Chern, EWG Lead Shepherd, and Mr Talyat Aliev, Deputy Director, International Cooperation Department, Ministry of Energy of Russian Federation, and attended 16 APEC economies.

The meeting decided:

- To renew the ToR of EWG to be submitted for senior officials' approval.
- To investigate and study in detail for the improvement, including scenarios, on deepening energy intensity reduction.
- To further discuss post-2020 energy vision in cooperation with other fora.
- To engage with IEA on project implementation.
- Transition of EWG Secretariat from the U.S. to Chinese Taipei.

#### 2. EWG53

The 53<sup>rd</sup> EWG meeting was held in Singapore on 24-28 April 2017. It was co-chaired by Dr Jyuung-Shiau Chern, EWG Lead Shepherd, and Mr Jonathan Goh, Director of External Relations Department, Energy Planning & Development Division, Singapore, and attended by 18 APEC economies.

The meeting decided:

- Draft proposal of management of Sub-Fund on Energy Efficiency and Low Carbon Measures.
- To approve the renewed ToR of all expert groups and five-year plan of APEC Sustainable Energy Center.
- To continue to checking APEC's energy intensity goal as well as data and modeling in energy efficiency and renewable energy.
- To approve cooperation with International Cooper Association and to explore cooperation opportunities with IPEEC.
- To address broader contents regarding renewable energy doubling goal, including technologies, financing, procurement, and etc.
- To test running the Expert Group on Clean Fossil Energy in coal and oil/gas fields respectively.

## Section II: Progress on Projects and Other Initiatives

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
Water-Energy Nexus: Coal-Based Power Generation and Conversion - Saving Water (EWG 08 2014A )	Final report submitted, which has been distributed to the EGCFE members and posted to the EGCFE and EWG websites for broader distribution.	Cognizant that the energy-water nexus is an important aspect of our collective energy resiliency. As we define the appropriate fuel and power generation technology mix that would support the twin goals of economic prosperity and environmental sustainability, we will endeavor ways to understand the complex relationship between energy and water, address challenges, and utilize both resources more efficiently. (2015 EMM Declaration)	Sustainable Growth, Human Security	The International Energy Agency's Clean Coal Centre (IEA/CCC) prepared a similar report, but less technical, than the completed EGCFE study. The EGCFE study was referenced in the IEA's report.
APEC Peer Review on Low-Carbon Energy Policies (PRLCE), Phase 3 (EWG 01 2014A)	The PRLCE in Viet Nam was successfully conducted on 18-22 January 2016. The results were presented to the EGNRET members during the EGNRET 44 Meeting in April 2016 and the final report was endorsed by EWG members and published in August 2016.	We reaffirm the importance of low carbon development to achieve our individual and regional economic aspirations and goals. (2015 EMM Declaration)	Sustainable Growth, Human Security	
APEC Low-Carbon Model Town (LCMT) Project, Phase 6 (EWG 01 2015A)	The Sixth Edition of the 'Concept', including the First Edition of the LCT-I System Guideline, was drafted and reported at the LCMT Task Force Meeting held in conjunction with the EWG52 meeting in Russia in October 2016. They were endorsed by EWG Members in November 2016 and published on APEC's and APERC's websites. The APEC liaison officer will continue exchanging information with International Organization for Standardization (ISO).	We encourage ongoing efforts in this direction toward energy efficient and low-carbon development in urban settings, including the implementation of the APEC Low-Carbon Model Town Project, use of green codes and standards for buildings, and the Energy Smart Communities Initiative. (2015 Leaders' Statement) We instruct the LCMT-TF to move the current LCMT Project into the	Sustainable Growth, Human Security	The APEC liaison officer will continue exchanging information with International Organization for Standardization (ISO).  An expert from OECD participated in the policy review.

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
	<p>ALMEC Corporation, a contracted consultant, also reported the final results of the feasibility study in Mandaue City, the Philippines at the LCMT Task Force Meeting.</p> <p>The policy review of a low-carbon development project for Mandaue City, the Philippines was conducted on 7- 9 December 2016. The final draft policy review report were endorsed by EWG members in June 2017.</p>	<p>next stage in order to disseminate Low-Carbon Towns in the Asia-Pacific region.</p> <p><b>(2015 EMM Declaration)</b></p>		
<p>APEC Nearly (Net) Zero Energy Building Best Practices and Energy Reduction Results Comparative Study <b>(EWG 02 2015A)</b></p>	<p>2015 APEC APEC-CZEBS-iiSBE Workshop NZEB Case Studies, Best Practices, Policies Education Issues &amp; Enabling Technologies was held very successfully. More than 30 speakers and 20 APEC economy delegates participated the workshop. All together there were 100 participants.</p> <p>2016 APEC Workshop Nearly/Net Zero Energy Building --From Best Practices to Mass Market, was held in 11th April 2016 in conjunction with the 47th EGEEC meeting, 40 participants joined the workshop</p>	<p>We encourage Member Economies to explore strategies to drive the shift towards green buildings including zero energy buildings.</p> <p><b>(2015 EMM Declaration)</b></p>	<p>Sustainable Growth, Human Security</p>	<p>The PO contacted with Prof Usha of UN 10YFP on Sustainable Buildings and Construction to find the way to enlarge the influence of APEC NZEB program.</p>
<p>APEC Peer Review on Energy Efficiency (PREE), Phase 5 (Follow-Up PREE) <b>(EWG 03 2015A)</b></p>	<p>The Follow-up PREE in Thailand was conducted on 3-7 August 2015 with a focus on the transport sector for more smooth implementations of recommendations made in PREE in 2010.</p> <p>The Compendium intends to promote information sharing in the field of energy efficiency and energy conservation across the APEC economies.</p> <p>The Energy Efficiency Policy Workshop (EEP) was held in conjunction with the 47th</p>	<p>The future economic growth of the APEC region will be supported by an appropriate mix of energy resources and power generation technologies that includes both conventional and renewable energy with increasing priority for clean energy sources and enhanced energy efficiency. In this regard, we will build on synergies among the Member Economies aimed at maximizing strengths from each</p>	<p>Sustainable Growth, Human Security</p>	<p>UNEP, CLASP, ICA, IEA were invited to be the speakers of experts.</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
	EGEE&C meeting on 12 April 2016. Evaluation was selected as the topic of this iteration of EEP to highlight the value of evaluation in the policy process and how can it support APEC economies in achieving policy goals.	economy thus minimizing costs of policy implementation. <b>(2015 EMM Declaration)</b>		
Enhancing Regional Conformity Assessment to Ensure Successful ISO 50001 Standard Outcomes <b>(EWG 04 2015A)</b>	The PO requested and was granted a 12-month project extension from the APEC Secretariat. An extension was requested due to the launch of the Clean Energy Ministerial (CEM) Energy Management Working Group (EMWG) Energy Management Campaign, which will develop best practices to share with APEC economies. The Campaign enabled the EMWG to establish key relationships in host economies to solidify support for the planned workshops.	The future economic growth of the APEC region will be supported by an appropriate mix of energy resources and power generation technologies that includes both conventional and renewable energy with increasing priority for clean energy sources and enhanced energy efficiency. In this regard, we will build on synergies among the Member Economies aimed at maximizing strengths from each economy thus minimizing costs of policy implementation. <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	The project was undertaken in partnership with the APEC CTI SCSC and a Clean Energy Ministerial project team. ICA stated support for the proposal and offered to be a partner in the project delivery.
Workshop on Experiences and Plans to Double Renewable Energy Utilisation by 2030 in the APEC Region <b>(EWG 05 2015A)</b>	The workshop was held on 11 November, 2015. Six international expert speakers, 18 delegates representing 12 APEC economies, and four guests, attended the workshop. The final report of the project published on the APEC website in August 2016 has been accessed more than 1500 times.	We reaffirm our aspirational goals to reduce aggregate energy intensity by 45 percent by 2035 and double renewable energy in the regional energy mix by 2030. <b>(2016 Leaders' Statement)</b> We reaffirm our commitment towards Leaders' aspirational goals to reduce aggregate energy intensity by 45 percent by 2035, to double the share of renewable energy in the APEC energy mix by 2030, and to achieve sustainable and resilient energy development within the Asia-Pacific. <b>(2016 AMM Statement)</b>	Sustainable Growth, Human Security	Renewable Energy Policy Network for the 21st Century (REN21), Sustainable Energy Development Authority (SEDA), were invited to be the speakers.

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
		We will strive to attain APEC’s aspirational goal of doubling the share of renewables in the APEC energy mix, including in power generation, from 2010 levels by 2030. <b>(2015 EMM Declaration)</b>		
Establishing Lighting Best Practices and Educational Programs to Achieve Deep Energy Saving - An APEC Regional Collaboration with University Lighting Centers and Research Institutions <b>(EWG 06 2015A)</b>	Two workshops-“Workshop to Establishing Lighting Best Practices Educational Programs to Achieve Deep Energy Saving” and “Workshop to Establishing Lighting Best Practices Educational Programs to Achieve Deep Energy Saving” were held on June and September, 2016 in sequence. The final report was endorsed by the EWG in March, 2017.	The future economic growth of the APEC region will be supported by an appropriate mix of energy resources and power generation technologies that includes both conventional and renewable energy with increasing priority for clean energy sources and enhanced energy efficiency. In this regard, we will build on synergies among the Member Economies aimed at maximizing strengths from each economy thus minimizing costs of policy implementation. <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	Private and public sector from APEC economies were invited to participate the workshops.
APEC Water-Energy Nexus Expert Workshop <b>(EWG 07 2015A)</b>	The workshop had to be delayed to allow completion of the EGCPE study entitled “Water Energy Nexus: Coal- Based Power Generation and Conversion – Saving Water (EWG 08/2014 A),” which will be key information to be shared during the workshop with regional experts. This study was finally completed early February 2017. The project will likely have to be extended until the end of 2017 to allow completion.	Cognizant that the energy-water nexus is an important aspect of our collective energy resiliency. As we define the appropriate fuel and power generation technology mix that would support the twin goals of economic prosperity and environmental sustainability, we will endeavor ways to understand the complex relationship between energy and water, address challenges, and utilize both resources more efficiently. <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	The U.S. Electric Power Research Institute (EPRI) supports a Water Center at Southern Company’s Plant Bowen in Georgia. The Water and Energy Technologies Consortium (CERC WET) under the U.S.-China Clean Energy Research Center (CERC) is also

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
				<p>another key stakeholder. The primary non-APEC organization working in this area is the International Energy Agency's Clean Coal Centre (IEA/CCC), which has completed a higher level (i.e., less technical) report on the same subject. A number of other international organizations are likely to be interested in the event, including the Carbon Sequestration Leadership Forum (CSLF), the Global CCS Institute (GCCSI) along with several non-governmental organizations, such as the World Resources and the Clean Air Task Force.</p>
Roadmap to Promote Transfer and Dissemination of Clean Coal Technologies in APEC Region <b>(EWG 08 2015A)</b>	The workshop of 'Roadmap to Promote Transfer and Dissemination of Clean Coal Technologies in APEC Regions' has been successfully held in Tianjin from 3-4 November, 2016.	In transitioning to low-carbon economy, we will explore the contribution of biofuels, civil nuclear power as a base load power source, advanced coal technologies, liquefied	Sustainable Growth, Human Security	Scientists, and experts from universities or institutes directly participate in this

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
		<p>natural gas, solar, wind, and marine energy technologies.</p> <p><b>(2015 Leaders' Statement)</b> In transitioning to a low-carbon economy we will explore the contribution of clean energy technologies and energy efficient initiatives in the transport and power sectors. These may include biofuels, civil nuclear power for interested Member Economies, advanced coal technologies, liquefied natural gas (LNG) , solar, wind, and marine energy technologies.</p> <p><b>(2015 EMM Declaration)</b></p>		project by attending seminars.
Workshop on Improving Energy Resiliency in Off-Grid Areas in APEC Economies <b>(EWG 09 2015A)</b>	The results of the Workshop formed part of the agenda of the 3rd Meeting of the Energy Resiliency Task Force held in Moscow. It was reiterated during this Task Force Meeting that the document is a living document which can be updated when necessary. Regular reporting in the ERTF meetings may be done which will allow the monitoring of updates of some of the information as stated in the Guidelines. The final report “Guidelines to Develop Energy Resiliency in APEC Off-grid Areas” of this project was endorsed by EWG in January, 2017.	We welcome the Workshop on Improving Energy Resiliency in Off-Grid Areas in Member Economies to be organized by the Philippines. <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	
Capacity Building on Strategies and Implementation of Low-Carbon Town in APEC Economies <b>(EWG 10 2015A)</b>	Workshop was held in Haikou, which will be as a indicator to measure medium-term impact. After the workshop, PO have arranged experts, participants and government officials from APEC economies to visit the PV panel plant in Haikou.	We encourage ongoing efforts in this direction toward energy efficient and low-carbon development in urban settings, including the implementation of the APEC Low-Carbon Model Town Project, use of	Sustainable Growth, Human Security	

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
	RFP have been send to APEC secretariat. Suggestions from the workshop will be added in the RFP as necessary requirements. Communication will be made regularly, e.g. half a year, to ensure the follow-up steps of the project will be informed timely. Through email, or telephone meetings, the communication will be successfully made. More workshop will be planned in the future to inform more APEC economies about the project and activities.	green codes and standards for buildings, and the Energy Smart Communities Initiative. <b>(2015 Leaders' Statement)</b>		
APEC Low Carbon Model Town Solar Photovoltaic Agricultural Development Mode Study <b>(EWG 11 2015A)</b>	One workshop was held on 15 January, 2017. And final report of this project, which has been distributed to the EGNRET members and posted to the EGNRET and EWG websites for broader distribution.	In transitioning to low-carbon economy, we will explore the contribution of biofuels, civil nuclear power as a base load power source, advanced coal technologies, liquefied natural gas, solar, wind, and marine energy technologies. <b>(2015 Leaders' Statement)</b> In transitioning to a low-carbon economy we will explore the contribution of clean energy technologies and energy efficient initiatives in the transport and power sectors. These may include biofuels, civil nuclear power for interested Member Economies, advanced coal technologies, liquefied natural gas (LNG) , solar, wind, and marine energy technologies. <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	Experts and researchers from APEC economies were invited to participate the workshops.
Workshop on ethanol trade development as part of APEC's renewable fuel strategy <b>(EWG 12 2015A)</b>	In keeping with the UN "Sustainable Energy for All" initiative, and the aspirational goal to double the share of renewables in the APEC energy mix by 2030, the United States	We reaffirm our aspirational goals to reduce aggregate energy intensity by 45 percent by 2035 and double renewable energy in the regional	Sustainable Growth, Human Security	Scientists from national research laboratories and private sector experts

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
	<p>conducted two workshops and produced two reports in support of ethanol trade development as part of APEC’s renewable fuel strategy. The first workshop was held on the margins of the EGNRET meeting in 2016 and the second was conducted on the margins of the 2017 F.O. Licht Ethanol conference in Bangkok. The workshops were geared toward enhancing the capacity of APEC economies to foster development of domestic ethanol sectors buoyed by vibrant regional trade. The report “Case studies highlighting member economy experiences in developing their ethanol sectors” reviews a summary of ethanol utilization in 5 APEC economies (Canada, Peru, Philippines, Thailand, and The United States) and depicts how trade of fuel ethanol can help support development of the overall alternative fuel infrastructure. The second report ‘Roadmap for increasing production, use, and trade of ethanol as a transport fuel in the APEC region’ developed a roadmap that highlights the steps for implementing a domestic ethanol program in APEC economies.</p>	<p>energy mix by 2030. <b>(2016 Leaders’ Statement)</b></p>		<p>directly participated in this project by attending workshops.</p>
<p>Small and Medium PV System Database in the APEC Region <b>(EWG 14 2015A)</b></p>	<p>One workshop was held on 26-27 September 2016. The database platform has been developing with the university host IT team. The database can display general PV systems data, average Monthly performance data and daily performance data. The data will be beneficial as sharing best practices and comparing performances between the PV system of various economies. Data from Thailand, Malaysia, and Vietnam are being</p>	<p>We reaffirm our readiness to further energy cooperation, including areas such as renewable energy sectors and energy efficiency to create necessary conditions for trade, investment and economic growth, ensuring that all the economies of the region have access to energy. <b>(2016 Leaders’ Statement)</b> In transitioning to a low-carbon</p>	<p>Sustainable Growth, Human Security</p>	

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
	tested. The second workshop will be held in Tokyo on 23 October 2017. The goal of the workshop is to deliver a tailored program for experience sharing, brainstorming and setting up collaboration to best utilize the database and database continuity.	economy we will explore the contribution of clean energy technologies and energy efficient initiatives in the transport and power sectors. These may include biofuels, civil nuclear power for interested Member Economies, advanced coal technologies, liquefied natural gas (LNG) , solar, wind, and marine energy technologies. <b>(2015 EMM Declaration)</b>		
APEC Workshop on Promoting the Development of Wind Energy, Phase 2 - Public-Private Partnership for Wind Energy Development <b>(EWG 15 2015A)</b>	The workshop was held on 24-25 September, 2015, including two days for presentations and discussions on the state-of-play, development and trends of wind energy development; utilizing PPP to develop wind energy as well as its economic impact world-wide and across the APEC region, and recommendations on the way forward. The Workshop material may be used as a reference tools for economies in future Workshops in their home economies. Half of Workshop participants commented that they would use the Workshop materials in their agencies/ economies. The summary report was endorsed by EWG in November, 2015.	We reaffirm our readiness to further energy cooperation, including areas such as renewable energy sectors and energy efficiency to create necessary conditions for trade, investment and economic growth, ensuring that all the economies of the region have access to energy. <b>(2016 Leaders' Statement)</b> In transitioning to a low-carbon economy we will explore the contribution of clean energy technologies and energy efficient initiatives in the transport and power sectors. These may include biofuels, civil nuclear power for interested Member Economies, advanced coal technologies, liquefied natural gas (LNG) , solar, wind, and marine energy technologies. <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	
APEC Workshop on Promoting the Development of Biomass Energy <b>(EWG 16 2015A)</b>	The workshop was held in Ha Noi, Viet Nam on 26-27 July, 2016. The Workshop included presentations and	We reaffirm our readiness to further energy cooperation, including areas such as renewable energy sectors and	Sustainable Growth, Human Security	Organisation for Economic Co-operation and

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
	<p>discussions on the state-of-play, development and trends of biomass energy development; views from various sectors on the development of biomass energy and recommendations on the way forward. The last Workshop session (recommendations for future activities) provided an opportunity to share what participants can take away from the Workshop, overcoming difficulties and promoting biomass energy development at the domestic and regional level as well as to suggest potential APEC capacity-building activities to most benefit APEC member economies.</p> <p>All participants considered that it afforded many chances for valuable networking among representatives from the policy community, academics and private-sector actors in biomass energy sector from within and outside the APEC region.</p> <p>The summary report was endorsed by EWG in September, 2016.</p>	<p>energy efficiency to create necessary conditions for trade, investment and economic growth, ensuring that all the economies of the region have access to energy.</p> <p><b>(2016 Leaders' Statement)</b> In transitioning to a low-carbon economy we will explore the contribution of clean energy technologies and energy efficient initiatives in the transport and power sectors. These may include biofuels, civil nuclear power for interested Member Economies, advanced coal technologies, liquefied natural gas (LNG) , solar, wind, and marine energy technologies.</p> <p><b>(2015 EMM Declaration)</b></p>		Development (OECD)
Promoting Safety in Using Renewable Energy <b>(EWG 17 2015A)</b>	<p>The 1st workshop “Experiences sharing on Renewable energy safety: Renewable Energy Safety in APEC”, which was organized on 7-9 April, 2016 in Thailand. After 1st workshop, the training and experience transfer sessions had organized in The Philippines, Vietnam, Indonesia and Malaysia sequentially. Those workshops aim to share and transfer the experiences, knowledge, and techniques on RE safety awareness that are implemented in Thailand to participants and in the meantime to learn about RE safety issues and practices from</p>	<p>We reaffirm our readiness to further energy cooperation, including areas such as renewable energy sectors and energy efficiency to create necessary conditions for trade, investment and economic growth, ensuring that all the economies of the region have access to energy.</p> <p><b>(2016 Leaders' Statement)</b> In transitioning to a low-carbon economy we will explore the contribution of clean energy technologies and energy efficient</p>	Sustainable Growth, Human Security	

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
	<p>them. This 6th workshop“Long term Planning for Further dissemination on Renewable Energy Safety in APEC” is the final workshop for this project and will be held in Chiang Mai, Thailand in September, 2017.</p>	<p>initiatives in the transport and power sectors. These may include biofuels, civil nuclear power for interested Member Economies, advanced coal technologies, liquefied natural gas (LNG) , solar, wind, and marine energy technologies. <b>(2015 EMM Declaration)</b></p>		
<p>APEC Fossil Fuel Subsidy Reform Capacity Building Workshop <b>(EWG 19 2015A)</b></p>	<p>The workshop was held in Honolulu, Hawaii on 14-15 December, 2015. Several speakers and participants commented on the value of the discussions and information exchange. The summary report was posted on EWG website in February, 2016. The project overseers planned follow-on activities to support additional capacity building for subsidy reform, including another workshop and an analytical report on progress in subsidy reform across the APEC region.</p>	<p>We reaffirm our commitment to rationalize and phase out inefficient fossil fuel subsidies, welcome ongoing peer review and capacity building activities, and encourage further efforts to facilitate subsidy reform. <b>(2016 Leaders’ Statement)</b> We encourage the exchange of best practices and capacity building efforts to facilitate fossil fuel subsidy reform. <b>(2015 EMM Declaration)</b></p>	<p>Sustainable Growth, Human Security</p>	<p>International Institute for Sustainable Development (IISD) /Global Subsidies Initiative, International Monetary Fund, IEA, OECD, World Bank, Ministries of Energy and Finance from APEC economies</p>
<p>EC Public-Private Dialogue on Promoting Trade and Investment in Renewable and Clean Energy <b>(EWG 20 2015A)</b></p>	<p>The 2 day APEC Public – Private Dialogue on Promoting Trade and Investment in Renewable and Clean Energy was held on 13 and 14 September 2016 in Hanoi, Viet Nam is to respond to the APEC Leaders’ and Ministers’ commitments to promote RCE Trade and Investment. The final report was endorsed by EWG in November, 2016.</p>	<p>We reaffirm our readiness to further energy cooperation, including areas such as renewable energy sectors and energy efficiency to create necessary conditions for trade, investment and economic growth, ensuring that all the economies of the region have access to energy. <b>(2016 Leaders’ Statement)</b> We also reaffirm the importance of competitive and innovative markets in providing the APEC region with commercially viable and sustainable energy resources and clean energy</p>	<p>Sustainable Growth, Human Security</p>	<p>The Ministries of Energy and/or of Trade and/or Investment from APEC member economies were invited to the Dialogue.</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
Long Term Reliability Study of PV Systems for Installation on Islands <b>(EWG 21 2015A)</b>	The workshop was held on 9-10 March, 2017 in Chinese Taipei.	<p>technology solutions. <b>(2015 EMM Declaration)</b></p> <p>We reaffirm our readiness to further energy cooperation, including areas such as renewable energy sectors and energy efficiency to create necessary conditions for trade, investment and economic growth, ensuring that all the economies of the region have access to energy.</p> <p><b>(2016 Leaders' Statement)</b></p> <p>In transitioning to a low-carbon economy we will explore the contribution of clean energy technologies and energy efficient initiatives in the transport and power sectors. These may include biofuels, civil nuclear power for interested Member Economies, advanced coal technologies, liquefied natural gas (LNG), solar, wind, and marine energy technologies.</p> <p><b>(2015 EMM Declaration)</b></p>	Sustainable Growth, Human Security	The project cooperates with a Japanese company to develop passivating pastes for PERC cell and dope pastes for n-type bifacial solar cell and IBC cell. The cooperation aims to develop high-efficiency solar cells.
Developing Solar-Powered Emergency Shelter Solutions (SPESS) as an Energy Resiliency Tool for Natural Disaster Relief in APEC Community <b>(EWG 22 2015A)</b>	The main output of the project including SPESS Literature Survey, APEC SPESS Open Innovation Competition Website and two workshops which were held in July and November, 2016. SPESS PO submitted a six month's extension request in Nov, 2016 to carry out additional techno-economic analysis research of SPESS Innovation designs and this request was approved.	<p>We reaffirm our readiness to further energy cooperation, including areas such as renewable energy sectors and energy efficiency to create necessary conditions for trade, investment and economic growth, ensuring that all the economies of the region have access to energy.</p> <p><b>(2016 Leaders' Statement)</b></p> <p>I We encourage Member Economies to consider the use and applicability of distributed generation and micro</p>	Sustainable Growth, Human Security	Government staff from each of APEC's economy responsible for managing disaster relief efforts in providing emergency sheltering and its energy supply. They could be representing their economies at an APEC forum like APEC EPWG.

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
		<p>grids including greater integration of renewables and expanded energy efficiency, supported by portable and/or mobile power systems as well as energy storage as an adaptive mitigating response to disasters to share information on energy infrastructure technology advancements, technological innovations and best practices.</p> <p><b>(2015 EMM Declaration)</b></p>		
<p>Best Practices for Developing the Green Energy Smart Farm in the APEC Region <b>(EWG 23 2015A)</b></p>	<p>The outputs of this project will include workshops, a project Report, a guidebook, and a demonstration site.</p> <p>The 1<sup>st</sup> project workshop was held in Chinese Taipei on 12-13 April, 2016.</p> <p>The 2<sup>nd</sup> project workshop was held in conjunction with an EGNRET 47 meeting on 10-13 October, 2016 in Jakarta, Indonesia.</p> <p>The demonstration site established on an experimental farm at National Chung Hsing University in Chinese Taipei to conduct project experiments and show the best practice model for developing the green energy smart farm in the APEC region.</p> <p>The Guidebook was uploaded to the APEC EGNRET’s website, and also was delivered to the farmers who request support to build up a green energy smart farm.</p> <p>The final report was endorsed by EWG in August, 2017.</p>	<p>We reaffirm our readiness to further energy cooperation, including areas such as renewable energy sectors and energy efficiency to create necessary conditions for trade, investment and economic growth, ensuring that all the economies of the region have access to energy.</p> <p><b>(2016 Leaders’ Statement)</b></p> <p>In transitioning to a low-carbon economy we will explore the contribution of clean energy technologies and energy efficient initiatives in the transport and power sectors. These may include biofuels, civil nuclear power for interested Member Economies, advanced coal technologies, liquefied natural gas (LNG) , solar, wind, and marine energy technologies.</p> <p><b>(2015 EMM Declaration)</b></p>	<p>Sustainable Growth, Human Security</p>	<p>This project will also has linkages between the EWG, ATCWG, and PPFS to enhance contributions of the use of renewable energy and the improvement of famers’ living conditions to the region’s economic growth and social well-being. The financing aspects of this project may also be of interest to the SMEWG and the FMP. The objectives of this project also meet the vision of UN’s “SE4All initiative, and the mission goal of the IRENA to supports</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
				developing economies in their transition to a sustainable energy future.
Case Studies on the Best Practices of Wind Energy Development in APEC Region <b>(EWG 24 2015A)</b>	Conducted 4 case studies on wind energy development in New Zealand, Thailand, the United States and Viet Nam. The Seminar on Best Practices of Wind Energy Development in APEC Region was held on 4 –5 October, 2016. The Seminar included presentations and discussions on the outcomes of 4 case studies on exploring good practices in wind energy development and raise understanding on various aspects of wind energy development, including, the role and forms of legislations and regulations, how stakeholders (the public sector, investors, non-governmental bodies, local communities, etc.) react to environmental and social impacts of wind energy development. The Seminar also focused on the benefits, challenges, financing and development issues of future wind energy development in the APEC region. In addition, the Seminar included other case studies and detailed examination in wind energy development in other APEC and non-APEC member economies (India, Chinese Taipei, Japan) as well as difficulties and impediments that prevent wind energy development in the APEC region. The Seminar material may be used as a reference tools for economies in future	We reaffirm our readiness to further energy cooperation, including areas such as renewable energy sectors and energy efficiency to create necessary conditions for trade, investment and economic growth, ensuring that all the economies of the region have access to energy. <b>(2016 Leaders' Statement)</b> In transitioning to a low-carbon economy we will explore the contribution of clean energy technologies and energy efficient initiatives in the transport and power sectors. These may include biofuels, civil nuclear power for interested Member Economies, advanced coal technologies, liquefied natural gas (LNG) , solar, wind, and marine energy technologies. <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	OECD was invited to be the speaker of the workshop.

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
	Seminars in their home economies. One-half of Seminar participants commented that they would use the Seminar materials in their agencies/ economies. The final report was endorsed by EWG in November, 2016.			
Strategy for Large-Scale Implementation of Biogas Capture from Palm Oil Mill Effluent and Reuse for Renewable Electricity Generation <b>(EWG 25 2015A)</b>	The final report was endorsed by EWG in December, 2016.	We reaffirm our readiness to further energy cooperation, including areas such as renewable energy sectors and energy efficiency to create necessary conditions for trade, investment and economic growth, ensuring that all the economies of the region have access to energy. <b>(2016 Leaders' Statement)</b> In transitioning to a low-carbon economy we will explore the contribution of clean energy technologies and energy efficient initiatives in the transport and power sectors. These may include biofuels, civil nuclear power for interested Member Economies, advanced coal technologies, liquefied natural gas (LNG) , solar, wind, and marine energy technologies. <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	
Gaps Assessment on APEC Energy Efficiency and Conservation Work toward Fulfilling the Leaders' Energy Intensity Reduction Goal <b>(EWG 01 2016A)</b>	A Survey of Potential Gaps in Funding and Knowledge for Energy Efficiency and Conservation Work in APEC region was circulated to EWG members in June, 2017 followed by EWG and external research and analysis on trends and best practices.. This project will present an assessment of	We reaffirm our aspirational goals to reduce aggregate energy intensity by 45 percent by 2035 and double renewable energy in the regional energy mix by 2030. <b>(2016 Leaders' Statement)</b> The Member Economies, subject to	Sustainable Growth, Human Security	

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
	gaps in energy efficiency and conservation work by the EWG, particularly the Expert Group on Energy Efficiency and Conservation (EGEEC), to ensure continued progress toward the Leaders' energy intensity reduction goal. This survey will help reflect the views of APEC economies on specific needs for additional efforts to be considered by the EWG. The report's outcomes are designed to help the EWG and EGEEC develop recommendations and research priorities in areas most relevant to the needs facing the APEC region.	individual circumstances, will continue to explore applicable energy efficient technologies, processes and services and subsequently pursue policies that enable their entry to markets with a vision towards achieving the APEC aspirational target of reducing aggregate energy intensity by 45 percent from 2005 levels by 2035. <b>(2015 EMM Declaration)</b>		
APEC Low-Carbon Model Town (LCMT) Project, Phase 7 <b>(EWG 02 2016A)</b>	A feasible study in Krasnoyarsk City, Russia has been conducted and the progress was reported at the LCMT Task Force Meeting held in conjunction with the EWG 53 Meeting in Singapore in April 2017. The policy review in Krasnoyarsk City is planned in December 2017. Three cities/towns were selected as the volunteer towns for the LCMT Project Phase 7. The 1st APEC Low-Carbon Model Town Symposium will be held on 14-15 September 2017 in Indonesia.	We encourage ongoing efforts in this direction toward energy efficient and low-carbon development in urban settings, including the implementation of the APEC Low-Carbon Model Town Project, use of green codes and standards for buildings, and the Energy Smart Communities Initiative. <b>(2015 Leaders' Statement)</b> We instruct the LCMT-TF to move the current LCMT Project into the next stage in order to disseminate Low-Carbon Towns in the Asia-Pacific region. <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	
Study on the Cost-Effective Renewable Energy-Supply Solutions based on Innovative Solar Technologies to Promote Green Buildings in APEC Region <b>(EWG 03 2016A)</b>	One workshop "The 1st APEC Workshop on Cost-Effective Renewable Energy-Supply Solutions based on Innovative Solar Technologies to Promote Green Buildings" was held in China on 3-5 November, 2016.	We commend the initiative of creating a Task Force on Energy Resiliency. <b>(2015 Leaders' Statement)</b> We recognize that sustainable development, energy access, energy	Sustainable Growth, Human Security	This project could engage world-leading solar research groups (e.g. NREL of US, ITRI of Chinese Taipei, ANU of

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
		<p>resilience, and energy security are critical to the shared prosperity and future of the region.</p> <p><b>(2016 AMM Statement)</b> We affirm the importance of energy resiliency in promoting energy security and sustainable development and providing access to the people. We instruct the EWG to create a Task Force on Energy Resiliency to follow up and implement the Ministers' Instructions.</p> <p><b>(2015 EMM Declaration)</b></p>		<p>Australia etc.) This project will keep in contact with the chairpersons of relevant APEC fora, such as EGNRET &amp; EGEEC</p> <p>The project will consult with international organizations such as IEA. The cross fora collaboration is definitely expected, e.g. between EGNRET and EGEEC, LCMT TF, ESCI &amp; Energy Resilience TF.</p>
<p>Research on Energy Storage Technologies to Build Sustainable Energy Systems in the APEC Region <b>(EWG 04 2016A)</b></p>	<p>The 1<sup>st</sup> workshop was held in Tianjin, China, on 3-4 November, 2016. The 2<sup>nd</sup> workshop was held in Beijing, China on 22 May, 2017.</p>	<p>We encourage Member Economies to explore strategies to drive the shift towards green buildings including zero energy buildings.</p> <p>We recognize that significant potential exists to provide energy access to rural communities through the up-take of micro grids, energy storage and their integration with renewable energy resources.</p> <p><b>(2015 EMM Declaration)</b></p>	<p>Sustainable Growth, Human Security</p>	<p>The project's research efforts and interviews have involved the input from energy storage alliances in Australia, Japan, and the United States, and several storage technology companies across the APEC region</p>
<p>Reducing Losses in Power Distribution through Improved Efficiency of Distribution Transformers <b>(EWG 05 2016A)</b></p>	<p>The consultant finalized the Project Methodology on 29 November, 2016, and the methodology was approved by ICA(partner) and CSC(project overseer) on 7 December, 2016.</p>	<p>We encourage Member Economies to consider the use and applicability of distributed generation and micro grids including greater integration of renewables and expanded energy</p>	<p>Sustainable Growth, Human Security</p>	<p>The consultant, with the help of ICA, is contacting recipients directly</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
	One workshop was held in Korea on 28 March, 2017. A pre-project survey related to Standard & Labelling of Distributed Transformers in APEC economies was conducted on March, 2017.	efficiency, supported by portable and/or mobile power systems as well as energy storage as an adaptive mitigating response to disasters to share information on energy infrastructure technology advancements, technological innovations and best practices. <b>(2015 EMM Declaration)</b>		
Experience Sharing Workshop on the Five Years Construction of the First Low-Carbon Model Town-Yujiapu CBD <b>(EWG 06 2016A)</b>	RFP has been approved and is being under procedure service contracting.	We encourage ongoing efforts in this direction toward energy efficient and low-carbon development in urban settings, including the implementation of the APEC Low-Carbon Model Town Project, use of green codes and standards for buildings, and the Energy Smart Communities Initiative. <b>(2015 Leaders' Statement)</b> We reaffirm the importance of low carbon development to achieve our individual and regional economic aspirations and goals. <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	
Off Grid Electrification Option for Remote Regions in APEC Economies <b>(EWG 07 2016A)</b>	The project has studied the existing electrification status in remote off-grid regions in APEC economies, analyzed the current obstacles and problems; assessed the technology and economical advantages of using DC solar technology in these regions. Identified several representative regions in APEC economies, including but not limited to China, US, Thailand, New Zealand, and Chile. Local contacts at these economies were developed to proceed to next stage of	We reaffirm our readiness to further energy cooperation, including areas such as renewable energy sectors and energy efficiency to create necessary conditions for trade, investment and economic growth, ensuring that all the economies of the region have access to energy. <b>(2016 Leaders' Statement)</b> A priority goal in developing a resilient APEC community will be to	Sustainable Growth, Human Security	The project has closely engaged APEC representatives, technology experts and university professor and students, as well as local government and residents.

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
	on-site detailed study. On-site investigated the current electricity supply status and Microgrid project at Dong Fu Shan Island in China. From the interview with local residents, people are interested in home solar systems. Solar DC microgrid can be a good fit to power this village due to each house has a large flat roof and all homes are within close range. A detailed report will be drafted.	provide energy access to our people, including in remote communities. <b>(2015 EMM Declaration)</b>		
Workshop to Develop Qualified Product Lists for High-Quality and High Efficiency Commercial, Industrial, and Outdoor Lighting Products and Control Systems in the APEC Region <b>(EWG 08 2016A)</b>	The project is planning a workshop in October 2017.	We encourage Member Economies to explore strategies to drive the shift towards green buildings including zero energy buildings. This will ensure that new construction designs are incorporated in residential, commercial and even industrial structures including concepts and principles embracing energy efficiency particularly in emerging economic growth areas or second-tiered cities. <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	U.S. DOE is utilizing funding allocated for implementation of the Super-efficient Equipment and Appliance Deployment initiative to scope this project through the SEAD operating agent – CLASP. The project is also reaching out to UL laboratories for help in developing the agenda and the EGEE&C representatives to identify appropriate timing and venue.
Promoting innovative green financing mechanisms for sustainable urbanization and quality infrastructure development in APEC region <b>(EWG 09 2016A)</b>	One international workshop was held in Tianjin, China, on 3-4 November, 2016. 14 organizations and firms was interviewed, and 4 innovated financing mechanisms or products was surveyed.	We also instruct the EWG to strengthen dialogues and cooperation with related international organizations and multilateral financial institutions on capacity building in financing green energy.	Sustainable Growth, Human Security	

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
		<p>We encourage Member Economies to adopt Public-Private Partnership to strengthen energy infrastructure development and connectivity, such as oil and natural gas pipelines, grid transmission and interconnection highways, LNG facilities, smart grids and distributed energy systems to boost trade and investment among Member Economies.</p> <p><b>(2015 EMM Declaration)</b></p>		
<p>APEC Peer Review on Energy Efficiency (PREE), Phase 6 <b>(EWG 10 2016A)</b></p>	<p>The PREE in Mexico was successfully completed on March 10, 2017. The Energy Efficiency Policy Workshop was held alongside the EGEE&amp;C 49 Meeting on 27 March, 2017.</p> <p>“APEC Energy Efficiency Policy Workshop Summary Report” was endorsed by EWG on July, 2017.</p>	<p>The future economic growth of the APEC region will be supported by an appropriate mix of energy resources and power generation technologies that includes both conventional and renewable energy with increasing priority for clean energy sources and enhanced energy efficiency. In this regard, we will build on synergies among the Member Economies aimed at maximizing strengths from each economy thus minimizing costs of policy implementation.</p> <p><b>(2015 EMM Declaration)</b></p>	<p>Sustainable Growth, Human Security</p>	
<p>Filling the Gap to Reach the Goal of Doubling Renewable Energy in the APEC Region <b>(EWG 11 2016A)</b></p>	<p>One workshop was held in Jeju, Korea on 27-28 March, 2017.</p> <p>The proposed structure for roadmap timeline and except outcome which is divided into two phases and a review mechanism were delivered in the EGNRET 48 meeting and discussed with EGNRET members</p> <p>Furthermore, the project has collected the</p>	<p>We reaffirm our aspirational goals to reduce aggregate energy intensity by 45 percent by 2035 and double renewable energy in the regional energy mix by 2030.</p> <p><b>(2016 Leaders’ Statement)</b></p> <p>We reaffirm our commitment towards Leaders’ aspirational goals to reduce aggregate energy intensity by 45 percent by 2035, to double the share</p>	<p>Sustainable Growth, Human Security</p>	<p>This project cooperates with APERC, NREL, IRENA where APERC assists the quantitative research, NREL/Clean Energy Solution Center supports the consultant service</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
	renewable energy policy information and some related data and is developing the strategic roadmap.	of renewable energy in the APEC energy mix by 2030, and to achieve sustainable and resilient energy development within the Asia-Pacific. <b>(2016 AMM Statement)</b> We will strive to attain APEC’s aspirational goal of doubling the share of renewables in the APEC energy mix, including in power generation, from 2010 levels by 2030. <b>(2015 EMM Declaration)</b>		and IRENA shares their experience on developing renewable energy roadmap and is a part of the roadmap network  IRENA, NREL, IEA and APERC were invited to be the speakers of the workshop  This project also develops renewable energy network among APEC economies for discussing and planning renewable energy strategic roadmap.
APEC Fossil Fuel Subsidy Reform: Workshop on Effective Pricing Mechanisms and Mitigation Strategies <b>(EWG 12 2016A)</b>	APEC Fossil Fuel Subsidy Reform: Workshop on Effective Pricing Mechanisms and Mitigation Strategies was held in Jakarta, Indonesia on 10-11 July, 2017. Speakers and participants noted value of the workshop and insights shared. A summary report has been circulated to speakers and will be circulated to APEC economies for review and approval.	We reaffirm our commitment to rationalize and phase out inefficient fossil fuel subsidies, welcome ongoing peer review and capacity building activities, and encourage further efforts to facilitate subsidy reform. <b>(2016 Leaders’ Statement)</b> We encourage the exchange of best practices and capacity building efforts to facilitate fossil fuel subsidy reform. <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security Sustainable Growth, Human Security	International Monetary Fund, IIISD/Global Subsidies Initiative, IEA, OECD, Ministries of Energy and Finance from APEC economies, academia, NGOs, 2 non-APEC members

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
Supporting the Development and Implementation of Low-Emission Development Strategies (LEDs) in Transport Sector <b>(EWG 13 2016A)</b>	The PO proposed an extension to 30 June, 2018. The project is currently in the final stages of the design of two of the three proposed training workshops – one in Viet Nam and one in Peru - identified as outputs within the proposal. The PO initiated conversations with PNG to host the third training workshop and would aim to do this early in 2018 during their APEC Host Year. With the completion of all the workshops, the project will be able to be completed by June 2018. Project workshop will be held on 19 - 20 September, 2017 in Lima, Peru.	In transitioning to a low-carbon economy we will explore the contribution of clean energy technologies and energy efficient initiatives in the transport and power sectors. <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	
Incubator for Enhancing Commercial Buildings Energy Performance <b>(EWG 14 2016A)</b>	A forum that organized by ClimateWorks Australia was held on 8 August, 2017 in Jakarta, Indonesia in the context of this project.	We encourage Member Economies to explore strategies to drive the shift towards green buildings including zero energy buildings. <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	ClimateWorks Australia
APEC Nearly (Net) Zero Energy Building Roadmap Study responding to COP21 <b>(EWG 15 2016A)</b>	The project workshop will be held in Honolulu, USA, on 4-6 September, 2017.	We encourage Member Economies to explore strategies to drive the shift towards green buildings including zero energy buildings. <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	
Workshop on Energy Statistical and Geographical System <b>(EWG 16 2016A)</b>	The workshop is planned to be held on the margins of a EWG meeting, and will convene APEC's and other economies to share experiences on energy statistics and geographic information systems.	We encourage members to improve the robustness of their energy infrastructure and policy, through capacity building, sharing of information, and promoting best-practices as appropriate. <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	IEA, IMF, World Bank, IRENA
Best Practice Guidance of Effective Coalbed Methane Recovery Technologies for APEC Developing Economies	A series of work of the Project has been done, including the kick-off meeting, selecting the contractor to undertake the short term clerk, starting the bidding process	In transitioning to a low-carbon economy we will explore the contribution of clean energy technologies and energy efficient	Sustainable Growth, Human Security	

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
<b>(EWG 17 2016A)</b>	for the research contract, etc. After the approval by APEC Secretariat, one Company has been selected to undertake the work as short term clerk to provide conference logistical and organization support for the 0.5-day kick off meeting, one 1-day peer review meeting and international workshop which lasts 1.5 days. The Company is preparing the organization of the meetings, working closely with the PO. The bidding for the researcher contract is also progressed, and the RFP of the contract will be sent to select potential bidder after getting approval from APEC Secretary. The PO proposed an extension to 30 June, 2018.	initiatives in the transport and power sectors. These may include biofuels, civil nuclear power for interested Member Economies, advanced coal technologies, liquefied natural gas (LNG) , solar, wind, and marine energy technologies. <b>(2015 EMM Declaration)</b>		
Heating Applications of Bio-Pellet made from Ecological-Hazard Plant in SMEs to Enhance Utilization of Renewable Energy in the APEC Region <b>(EWG 18 2016A)</b>	“APEC workshop on Bio-pellet Production, Handling and Energy Utilization” will be held in Tokyo, Japan on 24-25 October 2017 in conjunction with the EGNRET 49 meeting.	We reaffirm our readiness to further energy cooperation, including areas such as renewable energy sectors and energy efficiency to create necessary conditions for trade, investment and economic growth, ensuring that all the economies of the region have access to energy. <b>(2016 Leaders’ Statement)</b> In transitioning to a low-carbon economy we will explore the contribution of clean energy technologies and energy efficient initiatives in the transport and power sectors. These may include biofuels, civil nuclear power for interested Member Economies, advanced coal technologies, liquefied natural gas (LNG) , solar, wind, and marine	Sustainable Growth, Human Security	

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
APEC Workshop on Promoting the Development of an Evaluation Community <b>(EWG 19 2016A)</b>	The workshop will be held on 30-31 October, 2017 in Bangkok, Thailand.	energy technologies. <b>(2015 EMM Declaration)</b> The future economic growth of the APEC region will be supported by an appropriate mix of energy resources and power generation technologies that includes both conventional and renewable energy with increasing priority for clean energy sources and enhanced energy efficiency. In this regard, we will build on synergies among the Member Economies aimed at maximizing strengths from each economy thus minimizing costs of policy implementation. <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	
Guidelines toward High Biodiesel Blend Diesel (eg B20) Specification in the APEC Region <b>(EWG 20 2016A)</b>	The project was planned for 10 months from 1 March – 31 December 2017. The PO proposed an extension to 31 May, 2018. In this project, there are 2 workshops and 1 final seminar to be organized and a Final Report to be published. The 1st workshop is planned to be held in Bangkok, Thailand during September - October 2017. The 2nd workshop is planned to be held in selected APEC economies during February - March 2018.	In transitioning to a low-carbon economy we will explore the contribution of clean energy technologies and energy efficient initiatives in the transport and power sectors. These may include biofuels, civil nuclear power for interested Member Economies, advanced coal technologies, liquefied natural gas (LNG) , solar, wind, and marine energy technologies. <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	
APEC Peer Review on Low-Carbon Energy Policies (PRLCE), Phase 4 <b>(EWG 01 2017A)</b>	Project proposal endorsed and APEC funding was approved. To be implemented from 5/2017– 12/2018. The PRLCE in Papua New Guinea was successfully conducted on 1-4 August 2017.	We reaffirm the importance of low carbon development to achieve our individual and regional economic aspirations and goals. <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	
Making the Case for Clean Energy Investments with Life-Cycle Impact	Workshop is planned for week of Oct 16 in Kuala Lumpur, Malaysia in collaboration	In order to meet the needs of increasing investment in green	Sustainable Growth, Human	ASEAN

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
Assessments (EWG 02 2017A)	with ASEAN event on Procurement Renewable Power Generation.	economy, we instruct the EWG to implement APEC Green Energy Finance Initiative in support of the financial sustainability of renewable energy and energy efficiency development in the region. We also instruct the EWG to strengthen dialogues and cooperation with related international organizations and multilateral financial institutions on capacity building in financing green energy. <b>(2015 EMM Declaration)</b>	Security	
APEC Low-Carbon Model Town (LCMT) Project Dissemination, Phase 1 (EWG 03 2017A)	Project proposal endorsed and APEC funding was approved. To be implemented from 8/2017– 12/2018.	We encourage ongoing efforts in this direction toward energy efficient and low-carbon development in urban settings, including the implementation of the APEC Low-Carbon Model Town Project, use of green codes and standards for buildings, and the Energy Smart Communities Initiative. <b>(2015 Leaders' Statement)</b> We instruct the LCMT-TF to move the current LCMT Project into the next stage in order to disseminate Low-Carbon Towns in the Asia-Pacific region. <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	
APEC Green Energy Finance Capacity Building Program (EWG 04 2017A)	Project proposal endorsed and APEC funding was approved. To be implemented from 1/2017– 12/2017. The workshop is planned to be held on 28-29 September, 2017 in Chinese Taipei.	In order to meet the needs of increasing investment in green economy, we instruct the EWG to implement APEC Green Energy Finance Initiative in support of the financial sustainability of renewable	Sustainable Growth, Human Security	The project was co-endorsed by Small and Medium Enterprises Working Group (SMEWG) on 27 March, 2017.

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>APEC-funded Projects</b>				
		energy and energy efficiency development in the region. We also instruct the EWG to strengthen dialogues and cooperation with related international organizations and multilateral financial institutions on capacity building in financing green energy. <b>(2015 EMM Declaration)</b>		ASEAN, IEA, IPEEC, ADB & OECD are invited to participate to seek synergy.
An APEC Energy Vision Post-2020: Our Energy Future to 2050 <b>(EWG 05 2017A)</b>	Project proposal endorsed and APEC funding was approved. To be implemented from 8/2017– 12/2018.	We recognize that sustainable development, energy access, energy resilience, and energy security are critical to the shared prosperity and future of the region. <b>(2016 Leaders' Statement)</b>	Sustainable Growth, Human Security	
Economic and Life Cycle Analysis of Solar Photovoltaic Systems in APEC Region toward Low-Carbon Society <b>(EWG 06 2017A)</b>	Project proposal endorsed and APEC funding was approved. To be implemented from 1/2017– 12/2018.	We commend the initiative of creating a Task Force on Energy Resiliency. <b>(2015 Leaders' Statement)</b> We recognize that sustainable development, energy access, energy resilience, and energy security are critical to the shared prosperity and future of the region. <b>(2016 AMM Statement)</b> We affirm the importance of energy resiliency in promoting energy security and sustainable development and providing access to the people. We instruct the EWG to create a Task Force on Energy Resiliency to follow up and implement the Ministers' Instructions. <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	
Refrigerator/Freezer Energy	Project proposal endorsed and APEC	We encourage Member Economies to	Sustainable	

Title	Progress made	Mandate	ECOTECH Priorities	Cross-foa collaboration
<b>APEC-funded Projects</b>				
Efficiency Improvement in APEC Region: Review of Experience and Best Practices <b>(EWG 07 2017A)</b>	funding was approved. To be implemented from 7/2017– 12/2018.	develop minimum energy performance standards in building codes and energy appliances, industrial equipment and smart metering devices. <b>(2015 EMM Declaration)</b>	Growth, Human Security	

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>Self-funded Projects</b>				
Clean and Efficient Use of Energy and Water Resources - Initiating an APEC Road Map and Best Practices for the Energy-Water Nexus (EWG 03 2014S)	This study assessed energy-water nexus challenges across APEC economies and energy sectors to identify potential vulnerabilities, particularly in urban areas. The study determined data gaps and potential vulnerabilities and adaptive strategies to mitigate the energy-water nexus impacts and promote more efficient and sustainable use of energy and water resources. The study was presented to ERTF members at EWG50 in Honolulu in Dec 2015, and the final report was published on APEC website on Mar 2016.	APEC Leaders recognized that “resource scarcity presents an immense challenge that limits our ability to pursue economic growth,” and included the nexus between water and energy as one area to be addressed through the “promotion of integrated policies and collaborative approaches” to respond to such challenges. <b>(2013 Leaders’ Declaration)</b>		
Asia Pacific Energy Leaders Forum “Delivering Resilient Energy Infrastructure” <b>(EWG 09 2015S)</b>	The summit was jointly hosted by the World Energy Council (WEC) and the BusinessNZ Energy Council in March, 2016, and attended by 200 business practitioners, energy experts and policy-makers from 30 economies. BusinessNZ and the World Energy Council are interested to continue the energy resilience dialogue. The Summit organisers are interested in hearing from any economy keen to host the next Asia Pacific Energy Leaders’ Summit	We commend the initiative of creating a Task Force on Energy Resiliency. <b>(2015 Leaders’ Statement)</b> We recognize that sustainable development, energy access, energy resilience, and energy security are critical to the shared prosperity and future of the region. <b>(2016 AMM Statement)</b> We affirm the importance of energy resiliency in promoting energy security and sustainable development and providing access to the people. We instruct the EWG to create a Task Force on Energy Resiliency to follow up and implement the Ministers’	Sustainable Growth, Human Security	The summit will bring together key regional and global speakers on energy resilience and subject matter experts from across APEC, WEC, IRENA and the IEA. This coordination will be enhanced through WEC’s network of industry, non-governmental organizations and public sector representatives.

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>Self-funded Projects</b>				
Oil and Gas Security Initiative: 2016 <b>(EWG 01 2016S)</b>	Project endorsed by EWG. To be implemented from 1/2016 – 12/2016. 2 <sup>nd</sup> OGS Network forum was held in Kagoshima City, Japan in March, 2016. The OGS newsletter was released bi-monthly. The OGS Study report “Plans for fuel supplies during disasters” was endorsed by EWG in September, 2016. The 2 <sup>nd</sup> OGS Exercise in Melbourne, Australia was conducted on 29-31 March 2017 with a focus on regional capacity building.	Instructions. <b>(2015 EMM Declaration)</b> Improving the capacity of the APEC region to respond to emergencies such as disruptions in oil and gas supply is vital, and as such, we reaffirm the continuation of the APEC Oil and Gas Security Initiative(OGSI) which puts forward oil and gas security exercises, network and studies <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	IEA, ASEAN Centre for Energy, ASEAN Council on Petroleum, ASEAN Power Utilities /Authorities, Economic Research Institute for ASEAN and East Asia,
APEC Workshop on Energy Statistics <b>(EWG 02 2016S)</b>	Project endorsed by EWG. The workshop was held in Tokyo, Japan on 23-25 February, 2016.	We reaffirm our aspirational goals to reduce aggregate energy intensity by 45 percent by 2035 and double renewable energy in the regional energy mix by 2030. <b>(2016 Leaders’ Statement)</b>	Sustainable Growth, Human Security	IRENA, International Energy Forum (IEF), United Nations Economic and Social Commission for Asia and the Pacific(ESCAP) were invited to participate the workshop.
Conference on APEC Green Energy Finance <b>(EWG 03 2016S)</b>	Project endorsed by EWG. The workshop was held in Chinese Taipei on 18 August, 2016. Summary of Conclusion of the conference was submitted to the EWG during EWG52.	In order to meet the needs of increasing investment in green economy, we instruct the EWG to implement APEC Green Energy Finance Initiative in support of the financial sustainability of renewable energy and energy efficiency development in the region. We also instruct the EWG to strengthen dialogues and cooperation with related	Sustainable Growth, Human Security	Representative from ADB, OECD and WEC attended the conference as speakers.

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>Self-funded Projects</b>				
		international organizations and multilateral financial institutions on capacity building in financing green energy. <b>(2015 EMM Declaration)</b>		
2017 Energy Smart Communities Initiative (ESCI) Best Practices Awards Program <b>(EWG 04 2016S)</b>	Project endorsed by EWG. To be implemented from 9/2016 – 6/2017. The ESCI best practices award was held on 24 April, 2017 in conjunction with EWG53 in Singapore.	We encourage ongoing efforts in this direction toward energy efficient and low-carbon development in urban settings, including the implementation of the APEC Low-Carbon Model Town Project, use of green codes and standards for buildings, and the Energy Smart Communities Initiative. <b>(2015 Leaders' Statement)</b> We also encourage Member Economies to continuously share best practices of energy-smart related projects under the APEC Energy Smart Community Initiative Knowledge Sharing Platform (ESCI-KSP). <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	
Oil and Gas Security Initiative: 2017 <b>(EWG 05 2016S)</b>	Project endorsed by EWG. To be implemented from 1/2017 – 12/2017. The OGS newsletter was released bi-monthly. The 3 <sup>rd</sup> OGS Network forum was held in Irkutsk City, Russia in June, 2017. The OGS Studies on Natural Gas Security in APEC, Impact of Low Oil Price on Energy Security, Superiority of LPG: A Disaster-	Improving the capacity of the APEC region to respond to emergencies such as disruptions in oil and gas supply is vital, and as such, we reaffirm the continuation of the APEC Oil and Gas Security Initiative(OGSI) which puts forward oil and gas	Sustainable Growth, Human Security	IEA, ASEAN Centre for Energy, ASEAN Council on Petroleum, ASEAN Power Utilities /Authorities, Economic Research Institute for ASEAN and East Asia

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>Self-funded Projects</b>				
	Resistant Energy Source and Oil and Gas Security Indexation were endorsed and published in March-June 2017. The 3 <sup>rd</sup> OGS Exercise in Peru is planned in November 2017.	security exercises, network and studies <b>(2015 EMM Declaration)</b>		
Energy Workforce Resilience Workshop <b>(EWG 01 2017S)</b>	Project endorsed by EWG. The workshop was held on 25 April, 2017 in Singapore.	We commend the initiative of creating a Task Force on Energy Resiliency. <b>(2015 Leaders' Statement)</b> We recognize that sustainable development, energy access, energy resilience, and energy security are critical to the shared prosperity and future of the region. <b>(2016 AMM Statement)</b> We affirm the importance of energy resiliency in promoting energy security and sustainable development and providing access to the people. We instruct the EWG to create a Task Force on Energy Resiliency to follow up and implement the Ministers' Instructions. <b>(2015 EMM Declaration)</b>	Sustainable Growth, Human Security	ASEAN Centre for Energy was invited to be the speakers or moderators of the workshop.
APEC Workshop on Energy Statistics <b>(EWG 02 2017S)</b>	Project endorsed by EWG. The workshop was held on 4-6 April, 2017.	We reaffirm our aspirational goals to reduce aggregate energy intensity by 45 percent by 2035 and double renewable energy in the regional energy mix by 2030. <b>(2016 Leaders' Statement)</b>	Sustainable Growth, Human Security	
Electric Vehicle and Hydrogen	Project endorsed by EWG.	We instruct the EWG to	Sustainable	Members of the APEC

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>Self-funded Projects</b>				
Technology Policy Workshop <b>(EWG 03 2017S)</b>	The workshop is planned to be held on 21 November, 2017.	conduct extensive studies on increasing the share of alternative fuel and electric-drive vehicle technologies in the public transport sector including the potential impact to end-users. <b>(2015 EMM Declaration)</b>	Growth, Human Security	Transport Working Group, and Automotive Dialogue will be invited to participate the workshop.

## **2017 SCE FORA REPORT: *Group of Friends on Disability (GOFD)***

**Date:** 20 September 2017

### **Summary**

#### **1. Main progress and achievements of 2017**

The APEC Group of Friends on Disability (GOFD) is a Group that was established in 2015 during SOM2 and its Terms of Reference (TOR) was approved by SCE3-2015. In 2017 the GOFD goes on implementing its mandate. GOFD makes efforts on Integration of Disability issues across APEC sub-fora, facilitating the participation of Persons with Disability in the internet economy, advancing employment for persons with disabilities in APEC economies and underscoring the necessity of strengthening coordination among and across fora.

The 2 endorsed self-funded projects of Work Plan 2016 submitted by China have been achieving big progress:

GOFD 01 2016S Promoting participation of Persons with Disabilities in economic activities: Vocational training for persons with disabilities has been successfully held during September 23-26, 2016 in Nanning City, Guangxi Zhuang Autonomous Region, China. More than forty participants from 7 APEC economies took part in the training.

Report on “Advancing Participation of Persons with Disabilities in Internet Economy in the Asia-Pacific Region” has been accomplished after collecting the comments from GOFD members and relevant sub fora.

GOFD 02 2016S Assistive Devices +Internet Cross-Border E-Commerce Platform.

The international assistive devices shopping mall of the E-commerce platform begins to take shape and launched overseas pilots in Philippines, Malaysia and other countries.

Additionally, the self-funded project “Promoting the employment of persons with disabilities in APEC” submitted by the US in the HRDWG as a cross collaboration with HRDWG has been accomplished. Preliminary findings were presented to HRDWG1 and LSPN in February Nha Trang, Viet Nam. The report on advancing employment on laws, policies and programs on disability and employment/labor rights and vocational training systems in the Asia-Pacific Region has already been completed. Symposium on Promoting the Employment of Persons with Disability was held successfully. Findings have been discussed at a Symposium alongside the GOFD Meeting.

#### **2. Recommendations to SCE/SOM**

Report on “Advancing Participation of Persons with Disabilities in Internet Economy in the Asia-Pacific Region”

### **Section I: Main Outcome of Plenary Meetings**

#### **1. Plenary Meeting A**

The 3rd Meeting of APEC Group of Friends on Disability (GOFD) met in Hanoi, Viet Nam on May 9, 2017. The meeting was co-chaired by Mr. You Liang, Representative of the Chair of the GOFD, Mr. Christopher Watson representing of the First Vice Chair of GOFD and Ms. Ha Thi Minh Duc, Second Vice Chair of GOFD. Representatives of 14 APEC economies, namely Australia, Chile, China, Indonesia, Republic of Korea, Malaysia, Papua New Guinea, the Philippines, Russia, Chinese Taipei, Thailand, the United States and Vietnam attended the meeting

**MAJOR ITEMS:**

1. The agenda of the meeting and minutes of 2016 GOFD meeting were discussed and adopted. SOM Chair Office representative, Ms. Nguyen Bich Thuy, Deputy Director General of Vietnam's APEC Secretariat introduced the Priorities of APEC 2017.
2. The Meeting reviewed and endorsed the GOFD 2017 Work plan.
3. Ms. Wang Yan, Coordinator of HRDWG Education Network (EDNET) briefed the EDNET activities and main deliverables of 2016 related to Education. Ms. Wang encouraged GOFD to strengthen cooperation with EDNET through attendance to each other meetings, conferences; explore the possibility of joint meetings and to coordinate the presentation of collaborative projects for future project sessions. The suggestions were welcomed by GOFD.
4. China presented on behalf of AHSGIE on going activities and the expected deliverables for 2017. Additionally, China also made an intervention on "Contributions for the inclusiveness of disability issues in APEC sub-fora and for strengthening the coordination with relevant sub-fora."
5. The United States made a presentation on the project "Advancing Employment for Persons with Disabilities in APEC Economies". The report and findings were welcome by the group and some suggestions were conveyed to the presenter. Also the presenter reminded the group on the realization of the HRDWG in collaboration with GOFD-Symposium on Promoting the Employment of Persons with Disability.
6. China made 2 presentations on the project "Promoting Participation of Persons with Disabilities in Economic Activities" and "Assistive Devices + Internet" Cross-Border E-Commerce Platform. The draft completion report of the first project has been circulated for comments to members for later submission to SCE by SOM3. Comments about the second project were expressed in relation to start ups, funding for start-ups, e-commerce activities and possibilities, training for person with disability
7. Viet Nam presented on the good practices to promote the participation of persons with disabilities in economic field. Relevant data from Viet Nam was provided regarding capacity building for persons with disability.
8. Chinese Taipei briefed on the good practices to promote the participation of persons with disabilities in economic field, specifically Job Accommodation-Good Practices to Promote the Participation of people with disability.
9. Australia briefed on flexible working conditions and application template for people with disabilities stated in the Australian legislation. Indonesia informed on the National Act on Disability that establishes quota system (1% private, 2% public) for people with disabilities. Republic of Korea also briefed about national legislation that establishes quotas, employability and job training centres.
10. Regarding the initiatives by GOFD member economies for the 2017-2018 Work plan and long-term goals of GOFD, the Chair reminded the group of the expiration of the mandate of GOFD in 2018 and encouraged them to discuss the issue and offer recommendations for next year work plan.
11. The United States mentioned the importance of cross fora collaboration in the activities to be included in the 2017-2018 work plans. China recommended the following topics: Employment and participation of people with disability in e-commerce and ICT accessibility (in coordination with TELWG). PNG reminded the importance of data and information related to specific limitations for people with disability. China announced that will organize a High Level Meeting and a workshop related to data collection in 2018. Korea recommended that employment with physical and mental disability should be included.
12. The 4th GOFD meeting will be held in Papua New Guinea during 2018 APEC SOM2, alongside with HRDWG meeting.

## Section II: Progress on Projects and Other Initiatives

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
GOFD 01 2016S Promoting participation of Persons with Disabilities in economic activities	<p>Project in implementation</p> <p>Report on “Advancing Participation of Persons with Disabilities in Internet Economy in the Asia-Pacific Region” has been accomplished after collecting the comments from GOFD members and relevant sub fora.</p> <p>Vocational training for persons with disabilities has been successfully held during September 23-26, 2016 in Nanning City, Guangxi Zhuang Autonomous Region, China. More than forty participants from 7 APEC economies including the Brunei Darussalam, China, Indonesia, Malaysia, the Philippines, Thailand and Vietnam took part in the training.</p>	<p>Self-Funded Project by China.</p> <p>Endorsed by GOFD in 2016.</p> <p>We welcome the progress of APEC cooperation to enhance economic empowerment of persons with disabilities and encourage further collaboration among member economies in promoting inclusive development.” And, “we instruct our officials to work closely with businesses, education and training providers, employment services, and civil society to understand the skills needed by the industry and to develop education and training programs that will equip people with the skills and competencies to join the workforce and fulfill their potential”; <i>(2015 Leader’s Declaration)</i></p> <p>Recognize that the economic empowerment of women, youth and persons with disabilities should be a priority under the APEC agenda for enhancing quality growth and human development. <i>(2016 Leader’s Declaration)</i></p>	<ul style="list-style-type: none"> <li>- Human Capital Development</li> <li>- Inclusive Growth</li> </ul>	<p>The training will be shared with ECSG members</p> <p>The E-commerce training will be combined with cooperative activities on disability under the China-ASEAN</p>
GOFD 02 2016S Assistive Devices +Internet Cross-Border E-Commerce Platform	<p>Project in implementation</p> <p>The international assistive devices shopping mall of the E-commerce platform begins to take shape and launched overseas pilots in Philippines, Malaysia and other countries. Based on the international goods services, the platform starts to explore online fitting service of assistive devices and R&amp;D of intelligent products. The voice guide glasses for blind persons’ traveling have been officially marketed.</p>	<p>Self-Funded Project by China.</p> <p>Endorsed by GOFD in 2016.</p> <p>We welcome the progress of APEC cooperation to enhance economic empowerment of persons with disabilities development.” and encourage further collaboration among member economies in promoting inclusive development. <i>(2015 Leader’s Declaration)</i></p> <p>Recognize that the economic empowerment of women, youth and persons with disabilities should be a priority under the APEC agenda for enhancing quality growth and human development. <i>(2016 Leader’s Declaration)</i></p>	<ul style="list-style-type: none"> <li>- Human Capital Development</li> <li>- Technologies and Innovation</li> <li>- Inclusive Growth</li> </ul>	<p>The implementation progress will be shared and discussed with AHSGIE and other relevant fora.</p>
Report on Advancing Employment for Persons with Disabilities in the APEC region (HRD 03 2016S)	<p>The report on advancing employment on laws, policies and programs on disability and employment/labor rights and vocational training systems in the Asia-Pacific Region have already been completed.</p> <p>Preliminary findings were presented to HRDWG1 and LSPN in February Nha Trang, Viet Nam.</p> <p>Findings have been discussed at a Symposium alongside the GOFD Meeting.</p>	<p>Acknowledged that persons with disabilities face particular challenges in accessing quality employment opportunities and that their participation is essential for an inclusive workforce, and encouraged to strengthen capacity building for access to quality employment for persons with disabilities.<i>(2015 APEC High Level Policy Dialogue on Human Capacity Building Joint Statement)</i></p>	<ul style="list-style-type: none"> <li>- Human Capital Development</li> <li>- Inclusive Growth</li> </ul>	<p>HRDWG</p>

## 2017 SCE FORA REPORT: *Human Resources Development Working Group (HRDWG)*

**Date:** 5 September 2017

### Summary

#### 1. Main progress and achievements of 2017

HRDWG has made the following progress and achievements in year 2017:

- Drafted and Adopted the following documents for SCE endorsement;
  - HRDWG Strategic Plan 2017-2020
  - HRDWG Annual Work Plan 2017
- Revised and Updated the following documents for SCE endorsement;
  - HRDWG Terms of Reference (TOR)
  - HRDWG Responses to the Independent Assessment (IA) recommendations
- Participated in the following Cross-fora Collaboration;
  - The HRDWG LS participated the *1<sup>st</sup> Health Working Group (HWG) Meeting in 2017<sup>1</sup>*
  - Invited Representatives from APEC Groups, International and multi-lateral organizations to *the 41<sup>st</sup> and 42<sup>nd</sup> HRDWG Plenary Meetings* (See Section I.)
  - Completed APEC Services Competitiveness Roadmap (ASCR) Implementation Plan 2016-2025 Survey<sup>2</sup>
  - Renewed Three-year Guest Status (2018-2020) for the Association of Pacific-Rim Universities (APRU)
- Elected HRDWG Leadership 2017-2018 as follows;
  - HRDWG Lead Shepherd, Prof. Dong Sun Park (Republic of Korea)
  - CBN Coordinator, Mr. Meng-Liang Tsai and Deputy Coordinator, Ms. Kuei-Yen Liao (Chinese Taipei)
  - EDNET Coordinator, Dr. Wang Yan (People's Republic of China)
  - LSPN Coordinator, Ms. Mary Morola (Papua New Guinea)
- Held Two HRDWG Plenary Meetings and One High Level Policy Dialogue (HLPD);
  - *The 41<sup>st</sup> HRDWG Plenary Meeting* (20-22 Feb. in Nha Trang, Viet Nam)
  - *The 42<sup>nd</sup> HRDWG Plenary Meeting* (14 May in Ha Noi, Viet Nam)
  - *HLPD on HRD in the Digital Age* (15 May in Ha Noi, Viet Nam)
- Drafted the Action Plan of APEC Education Strategy to be endorsed by CSOM in 2017
- Began planning *the 7th APEC Human Resources Development Ministerial Meeting (HRDMM)*, which will be held in 2018 in Papua New Guinea;
- Proposed a total of 29 HRDWG Projects and implemented 31 projects (See Section II.)
  - 22 projects were proposed in year 2016 and previous years and are being implemented in 2017
  - 9 projects were proposed for Session 1 and 13 projects were proposed for Session 2
  - 9 projects were proposed as Self-funded in year 2017 and are currently being implemented

<sup>1</sup> The HRDWG LS made a speech about promotion of HRDWG-HWG Collaboration at the meeting on 24 February in Nha Trang, Viet Nam

<sup>2</sup> Member economies submitted responses on APEC-wide Actions #2. Cross-border mobility for professionals and #8. Supporting Cooperation on Cross-border education by 31 May

- 2 projects are under development and will be proposed

## 2. Recommendations to SCE/SOM

SOM to endorse the Action Plan of APEC Education Strategy by CSOM in 2017

### **Section I: Main Outcome of Plenary Meetings**

#### 1. The 41<sup>st</sup> HRDWG Plenary Meeting

- The 41st HRDWG Plenary Meeting was held in Nha Trang, Viet Nam on 20-22 February. It was co-chaired by Prof. Dong Sun Park, the HRDWG Lead Shepherd and Dr. Pham Hoang Mai from Viet Nam and attended by all 21 APEC member economies, APEC Secretariat Program Director (PD) and representatives from APEC Economic Committee (EC), Policy Support Unit (PSU), the Group of Friends (GoFD), Mainstreaming Ocean Related Issues Initiative (MOI), the UNESCO Bangkok Office, and the Association of Pacific-Rim Universities (APRU).
- The meeting decided:
  - To finish drafting of the HRDWG Annual Work Plan 2017 by February (HRDWG LS);
  - To revise the HRDWG TOR (Requested by China);
  - To draft the HRDWG Strategic Plan 2017-2020 for SCE endorsement (HRDWG LS);
  - To draft HRDWG Responses to Independence Assessment (APEC Secretariat PD)
  - To host the 42<sup>nd</sup> HRDWG Plenary Meeting in May 2017 (Viet Nam)
- The meeting noted the following presentations and reports:
  - Role and concept of APEC HRD and direction of HRDWG in the fourth industrial revolution era (HRDWG LS);
  - 2016 APEC Outcomes and Implications for HRDWG (Peru);
  - 2017 APEC Priorities and theme (Viet Nam);
  - Planning of *the High Level Policy Dialogue on Human Resources Development in the Digital Age (HLPD on HRD in the Digital Age)* in May (Viet Nam);
  - Planning of HRDWG project workshops and meetings in May (The U.S., Australia and CBN Coordinator);
  - Acknowledgement of works done by previous Acting LS and LSPN Coordinator (All member economies);
  - Cross-fora cooperation between HRDWG and other APEC fora (The EC Chair, PSU Senior Analyst, the U.S., and MOI Representative);
  - Cross-fora cooperation between HRDWG and International and multi-lateral organizations (UNESCO Bangkok Office and APRU)
  - *The 6th APEC Education Ministerial Meeting (AEMM 2016)* Outcomes and Implications (Peru-Russia and EDNET Coordinator);
  - Progress on HRD Action Plan 2015-2018 from *the 6th APEC Human Resources Development Ministerial Meeting (HRDMM 2014)* and planning of *the 7th HRDMM (HRDMM 2018)* (CBN and LSPN Coordinators);
  - Results of the *APEC Labour Mobility Framework Workshop* on 18-19 February and Call for Project Advisory Team Nomination by 10 March (Australia);
  - Report on APEC Project Management (APEC Secretariat PD);
  - Summaries of Network Meetings (CBN, EDNET, and LSPN Coordinators)

## 2. The 42<sup>nd</sup> HRDWG Plenary Meeting

- The 42nd HRDWG Plenary Meeting was held in Ha Noi, Viet Nam on 14 May. It was co-chaired by Prof. Dong Sun Park, the HRDWG Lead Shepherd and Ms. Le Kim Dung from Viet Nam and attended by 16 APEC economies<sup>3</sup>, APEC Secretariat Program Director (PD), and representatives from APEC Business Advisory Council (ABAC), Policy Support Unit (PSU), Project Management Unit (PMU), and the Association of Pacific-Rim Universities (APRU).
- The meeting decided:
  - To adopt revised HRDWG TOR, Annual Work Plan 2017, Strategic Plan 2017-2020, and Responses to SCE on the Independent Assessment for SCE endorsement (HRDWG LS)
  - To adopt APEC Framework on Human Resources Development in the Digital Age (Vice Minister of Labour, Invalids, and Social Affairs, Viet Nam)
  - Hosting of *the 7th APEC Human Resources Development Ministerial Meeting (HRDMM 2018)* and future plans on Preparatory Meetings in 2018 (Papua New Guinea)
- The meeting noted the following presentations and reports:
  - Overview of the *High Level Policy Dialogue on Human Resources Development in the Digital Age* (Viet Nam)
  - Progress on the Development of *an APEC Labour Mobility Framework* and the prosed way forward (Australia)
  - Overview of the *APEC Services Competitiveness Roadmap (ASCR) Implementation Plan 2016-2025* (APEC PSU)
  - Overview of SCE-level initiative *Bridging Gap in Economic Development and Integration of Remote Areas for Sustainable Growth in the APEC Region* (Russia)
  - Report on Current Project Proposals (APEC PMU)
  - Outcomes of the *Building a Culture of Prevention on Occupational Safety and Health (OSH) in APEC Economies Workshop* (Russia)
  - Outcomes of *APEC Project Data Analytics Raising Employment (DARE): Advisory Group Meeting to Develop Recommended “APEC Data Analytics Competencies”* (the U.S.)
  - Outcomes of *APEC Education Strategy Action Plan Workshop* (EDNET Coordinator)
  - Report on *the 2nd EDNET Meeting in 2017 and Joint Meeting between HRDWG EDNET and Policy Partnership on Science, Technology and Innovation (PPSTI)* (EDNET Coordinator)
  - Cross-fora cooperation between HRDWG and International and multi-lateral organization (APRU)

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<sup>3</sup> Australia; Brunei Darussalam; Chile; People’s Republic of China; Republic of Indonesia; Japan; Republic of Korea; New Zealand; Papua New Guinea; Peru; the Philippines; Russia; Chinese Taipei; Thailand; the United States and Viet Nam

**Section II: Progress on Projects and Other Initiatives**

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<p><b>APEC Skills Development Capacity Building Alliance (ASD-CBA): Seed Trainer Upskilling Program</b> (HRD 04 2016S)</p> <p>Chinese Taipei</p> <p>To be completed on 30 November 2017</p>	<p>Echoing to the 2017 APEC Priority Areas on “Strengthening MSMEs’ Competitiveness and Innovation in the Digital Age,” APEC Skills Development Capacity Building Alliance (ASD-CBA) scheduled to put forward a vocational training and skill development program to provide skill-oriented training agenda such as Green Energy, Automation Intelligence and digital skills, to encourage skill exchanges between skilled workers, technicians, instructors regarding upskilling and employability.</p>	<p>The 2016 APEC Economic Leaders’ Declaration;</p> <p>The 6<sup>th</sup> HRDMM Joint Ministerial Statement (2014)</p>	<p><b>ECOTECH</b> Human Capital Development, Regional Economic Integration</p> <p><b>APEC 2017</b> <b>Priorities</b> Strengthening MSMEs’ Competitiveness and Innovation in the Digital Age</p>	-
<p><b>Study on APEC Member Economies Experiences in Raising the Retirement Age</b> (HRD 10 2016S)</p> <p>Russia</p> <p>TBC</p>	<p>The project aims to conduct a study on APEC economies experiences in raising the retirement age, including motivations and basic conditions for implementing such a reform; concrete policy designs and rationale for their use; challenges and opportunities associated with the reform.</p> <p>The study will be conducted in the form of an online questionnaire to be filled by the economies. The summarized results of the study we would like to send to the economies intersessionally.</p>	<p>the Port Moresby Joint Statement on the 2015 High-Level Policy Dialogue on Human Capacity Building</p>	<p><b>ECOTECH</b> Human Capital Development</p> <p><b>APEC 2017</b> <b>Priorities</b> Fostering Sustainable, Innovative, and Inclusive Growth</p>	-
<p><b>Study on APEC Member Economies Experiences in Providing Long-Term Public Care for Senior Citizens</b> (HRD 11 2016S)</p> <p>Russia</p>	<p>The project aims to conduct a study on APEC economies experience in organizing public long-term care for seniors in order to provide guidance for the economies seeking to improve the existing arrangements. Topics to be covered by the study include the types of care, financial arrangements, a variety of services provided to the residents, experience in building public-private partnerships etc.</p> <p>The study will be conducted in the form of an online questionnaire to be filled by the economies. The summarized results of the study we would like to send to the economies intersessionally.</p>	-	<p><b>ECOTECH</b> Human Capital Development</p> <p><b>APEC 2017</b> <b>Priorities</b> Fostering Sustainable, Innovative, and Inclusive Growth</p>	-
<p><b>Advancing Career Development of</b></p>	<p>The purpose of “Advancing Career Development of Athletes in the APEC Region” is to bring together representatives of government,</p>	-	<p><b>ECOTECH</b> Human Capital</p>	-

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<p><b>Athletes in the APEC Region</b> (HRD 02 2017S)</p> <p>Chinese Taipei</p> <p>To be completed on 31 December 2017</p>	<p>academia and business to discuss the most effective ways to provide career development for young athletes, especially female athletes. In doing so, a holistic approach can be realized for developing career development programs. In addition, the APEC Sports Policy Network (ASPN), established in 2016 under the “APEC High Level Policy Dialogue on Education and Career Planning for Young Athletes” (HRW 05 2016S) project, will further discuss the ways to raise awareness of women’s sports to increase women’s participation in sports.</p> <p>During this year, two workshops will be held and APEC Sports Newsletter will also be published in April, July, and October. The 2017 APEC Workshop “Linking Education and Start-Ups: Youth, Women, and Athletes” will be held in Ha Noi on May 13, 2017, which will focus on government policies to connect start-ups and education for women athletes as well as share best practices for youth start-ups; “2017 APEC Women’s Sports Summit” will be held in Taipei in October 2017, which will discuss the best ways to cultivate women’s sports habits and advance the visibility of women’s participation in sports through public-private-partnership (PPP). The APEC Sports Newsletter will be an information platform to share APEC economies’ policies and best practices in sports and human resources related issues.</p> <p>All APEC economies will be invited to participate in the workshop and summit as well as to contribute the articles for the columns in the APEC Sports Newsletter.</p>		Development	
<p><b>Technical and Professional Education: A mission for all. Raising awareness on their importance for local, social and economic development</b></p> <p>proposed by Chile</p> <p>for endorsement and</p>	<p>Chile proposed the concept note for endorsement and co-sponsorship at Session 1-2017.</p> <p>Australia; Canada; China; Japan; New Zealand; Peru; Chinese Taipei co-sponsored the project.</p> <p>The average score of the concept note was 44.37.</p>	The 6 <sup>th</sup> APEC Education Ministerial Meeting Joint Statement (2016)	<b>ECOTECH</b> Human Capital Development	The project will set joint work between the Education Network, EDNET and the Labour and Social Protection Network, LSPN (this is between Ministries of Education and

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
co-sponsorship Session 1-2017				Labour on each economy) both belonging to HRDWG.
<p><b>Implementation of Database to Strengthening Mobility and Promoting Regional Integration of Professional Engineers in APEC Economies</b></p> <p>proposed by Singapore</p> <p>for endorsement and co-sponsorship Session 1-2017</p>	<p>Singapore proposed the concept note for endorsement and co-sponsorship at Session 1-2017.</p> <p>Australia; Hong Kong, China; Indonesia; Japan; New Zealand; Russia; Chinese Taipei; Thailand co-sponsored the project.</p> <p>The average score of the concept note was 43.90.</p>	<p>The 2016 APEC Economic Leaders' Declaration (Annex B. APEC Services Competitiveness Roadmap 2016-2025);</p> <p>The 2014 APEC Economic Leaders' Declaration (Annex C. APEC Connectivity Blueprint for 2015-2025);</p>	<p><b>ECOTECH</b> Human Capital Development</p>	<p>The project will engage other relevant APEC fora such as ABAC, CTI, GOS, and SMEWG.</p> <p>Beyond APEC, the project will invite members of PECC, International Engineering Alliance (IEA), Federation of Engineering Institutions of Asia and Pacific (FEIAP), World Federation of Engineering Organizations (WFEO), OECD, UNDP to advance APEC's priorities.</p>
<p><b>APEC STEM Education for Economic Growth: Curriculum (2018), Teacher Education (2019), and STEAM and Women (2020)</b></p>	<p>Thailand and Japan proposed the project concept note for endorsement and co-sponsorship at Session 2-2017.</p> <p>It is currently under the Concept Note Stage.</p>	<p>APEC Ministers (2016): enhanced STEM education for economic growth.</p> <p>APEC Leaders (2016):</p>	<p><b>On ECOTECH</b> Human Capital Development,</p> <p><b>On Priorities</b> <b>(Funding Criteria in</b></p>	<p>The previous projects on lesson study used the Energy Working Group's APEC Energy Database in 2017 and</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<p>proposed by Thailand and Japan</p> <p>for endorsement and co-sponsorship Session 2-2017</p>		<p>enhanced STEM education for eliminating gender disparities.</p> <p>In Vietnam, HRDWG-EDNET meetings in SOM1 and SOM2: Focus on STEM education in the context of those priorities.</p>	<p><b>2017</b> Rank 1: Human development, cooperation on education, science and technology, alignment of education</p> <p>Rank 2: The project for STEM education includes the contents of Inclusive, Sustainable and Innovative Growth such as science and technology and ICT</p>	<p>treated the matter of Emergency Preparedness Working Group on natural disasters in 2012-2015.</p>
<p><b>APEC Project for Youth Employment Promotion</b></p> <p>proposed by Korea</p> <p>for endorsement and co-sponsorship Session 1-2017 and Session 2-2017</p>	<p>The Republic of Korea proposed the concept note for endorsement and co-sponsorship at Session 1-2017.</p> <p>Australia; Canada; Chile; Indonesia; Mexico; Russia; Chinese Taipei and Thailand co-sponsored the project.</p> <p>The average score of the concept note was 46.38.</p> <p>The Republic of Korea proposed the project concept note for endorsement and co-sponsorship at Session 2-2017.</p> <p>It is currently under the Concept Note Stage.</p>	<p>The 2016 APEC Leaders' Declaration</p> <p>Joint Ministerial Statement from the 2016 APEC Ministerial Meeting</p> <p>The 6<sup>th</sup> APEC Education Ministerial Meeting Joint Statement (2016)</p> <p>APEC Framework for Boosting Youth Education, Employment, and Entrepreneurship (2016)</p>	<p><b>ECOTECH</b> Human Capital Development</p> <p><b>APEC 2017 Priorities</b> Fostering Sustainable, Innovative, and Inclusive Growth</p>	<p>-</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<p><b>Capacity Building for APEC Member Economies on ISO/IEC 17024 Conformity Assessment-General Requirements for Bodies Operating Certification of Persons</b></p> <p>proposed by Malaysia at the Sub-Committee on Standards and Conformance under Committee on Trade and Investment (SCSC under CTI)</p> <p>for endorsement and co-sponsorship Session 1-2017</p> <p>as a Cross-fora project</p>	<p>Malaysia proposed the concept note at the Sub-Committee on Standards and Conformance (SCSC) for endorsement and co-sponsorship at Session 1-2017.</p>	<p>The 2013, 2016 Leaders' Declaration</p>	<p><b>ECOTECH</b> Human Capital Development</p> <p><b>APEC 2017</b> <b>Priorities</b> Deepening Regional Economic Integration</p>	<p>The project is proposed as a cross fora project between SCSC and HRDWG. The lead fora of the project is SCSC under CTI.</p>
<p><b>Promoting Sustainable Development in Artisanal and Small-Scale Gold Mining</b></p> <p>proposed by the United States at the Mining Task Force (MTF) under SCE</p> <p>for endorsement and co-sponsorship</p>	<p>The United States proposed the concept note at the Mining Task Force (MTF) for endorsement and co-sponsorship at Session 1-2017.</p> <p>Australia; Malaysia; Chinese Taipei co-sponsored the project.</p> <p>The average score of the concept note was 43.11.</p>	<p>The 1994 Jakarta Declaration</p> <p>The 1995 Osaka Action Agenda</p> <p>The 1996 Declaration on an Asia-Pacific Economic Cooperation Framework for Strengthening Economic and Technical Cooperation</p>	<p><b>ECOTECH</b> Human Capital Development</p> <p><b>APEC 2017</b> <b>Priorities</b> Fostering Sustainable, Innovative, and Inclusive Growth</p>	<p>The project will coordinate activities with the MTF, selected APEC economies, and especially with the existing MTF project to address mercury use in ASGM led by the U.S. Department of State and the</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<p>Session 1-2017 as a Cross-fora project</p>		<p>2006 APEC Senior Officials' Report on Economic and Technical Cooperation</p> <p>The 2010 Leaders' Growth Strategy</p> <p>The 2012, 2013, 2014 APEC Leaders' Declaration</p> <p>The 2014 APEC Ministers' Responsible for Mining</p> <p>10 APEC Mining Policy Principles</p>		<p>proposal submitted by the government of Papua New Guinea on ASGM.</p>
<p><b>APEC Gendered Innovation for Technology and Science (GIFTS): Promoting Women in STEM for Sustainable Growth</b></p> <p>proposed by Chinese Taipei at the Policy Partnership on Women and the Economy (PPWE) under SCE</p> <p>for endorsement and co-sponsorship Session 1-2017</p>	<p>Chinese Taipei proposed the concept note at the Policy Partnership on Women and the Economy (PPWE) endorsement and co-sponsorship at Session 1-2017.</p> <p>Australia; Japan; Russia; Peru; Philippines; Thailand; USA co-sponsored the project.</p> <p>The average score of the concept note was 45.71.</p>	<p>The 2016 Leaders' Declaration</p> <p>The 2016 APEC Women and the Economy Forum (WEF) Statement</p> <p>The 8<sup>th</sup> Priority of the Boracay Action Plan (2015)</p>	<p><b>ECOTECH</b> Human Capital Development</p> <p><b>APEC 2017</b> <b>Priorities</b> Fostering Sustainable, Innovative, and Inclusive Growth</p>	<p>The project is proposed as a cross-fora project between PPWE and HRDWG, SMEWG, TWG, and PPSTI.</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<p>as a Cross-fora project</p> <p><b>APEC Training on Health and Medical Big Data Innovation</b></p> <p>proposed by People’s Republic of China at the Policy Partnership on Science, Technology, and Innovation (PPSTI) under SCE</p> <p>for endorsement and co-sponsorship Session 1-2017</p> <p>as a Cross-fora project</p>	<p>People’s Republic of China proposed the concept note at the Policy Partnership on Science, Technology, and Innovation (PPSTI) for endorsement and co-sponsorship at Session 1-2017.</p> <p>Australia; Chile; Hong Kong, China; Indonesia; Korea; Malaysia; Mexico; Papua New Guinea; Peru; Philippines; Russia; Chinese Taipei; Thailand; USA co-sponsored the project.</p> <p>The average score of the concept note was 43.66.</p>	<p>The 2016 Leaders’ Declaration</p> <p>Port Moresby Joint Statement from the High Level Policy Dialogue on Human Capacity Building (2015)</p> <p>PPSTI Strategic Plan 2016-2025</p> <p>PPSTI Proposed Work Plan 2016</p>	<p><b>ECOTECH</b> Human Capital Development</p> <p><b>APEC 2017 Priorities</b> Fostering Sustainable, Innovative, and Inclusive Growth</p>	<p>The project is proposed as a cross-fora project between PPSTI and HRDWG.</p>
<p><b>Foster International Technology Transfer (ITT) Professionals for the APEC STI Cooperation and Connectivity</b></p> <p>proposed by People’s Republic of China at the Policy Partnership on Science, Technology, and Innovation (PPSTI) under SCE</p> <p>for endorsement and co-sponsorship Session 1-2017</p>	<p>People’s Republic of China proposed the concept note at the Policy Partnership on Science, Technology, and Innovation (PPSTI) for endorsement and co-sponsorship at Session 1-2017.</p> <p>Australia; Chile; Indonesia; Mexico; Papua New Guinea; Peru; Russia; Chinese Taipei co-sponsored the project.</p> <p>The average score of the concept note was 41.85.</p>	<p>APEC’s strategy of RAASR in facilitating more open, well functioned, transparent and competitive markets by creating easier innovation environment for MSMEs; promoting deeper participation in those markets by attracting talent from all segments of society to be engaged to ITT works; and contribute to building of sustainable industry policy by developing standard for ITT</p>	<p><b>ECOTECH</b> Human Capital Development</p> <p><b>APEC 2017 Priorities</b> Fostering Sustainable, Innovative, and Inclusive Growth</p>	<p>The project is proposed as a cross-fora project between PPSTI and HRDWG.</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
as a Cross-fora project		projects and practitioners.		
<p><b>Cross-Border Human Capacity Building for Globalized Scientific Literacy: Phase 1 The Best Practice for Innovative STEM-Related Education for Teacher Professional Development</b></p> <p>proposed by Chinese Taipei and Thailand</p> <p>for endorsement and co-sponsorship Session 2-2017</p>	<p>Chinese Taipei and Thailand proposed the project concept note for endorsement and co-sponsorship at Session 2-2017.</p> <p>It is currently under the Concept Note Stage.</p>	<p>The 2016 Leaders' Declaration</p> <p>The 6<sup>th</sup> AEMM Joint Ministerial Statements (2016)</p> <p>The project supports the APEC Education Strategy objective of promotion of science, technology and innovation in education and pedagogical practices as well as promotion of cross-border education cooperation and academic mobility.</p>	<p><b><u>ECOTECH</u></b> Human Capital Development</p> <p><b><u>APEC 2017 Priorities</u></b> Fostering Sustainable, Innovative, and Inclusive Growth</p>	
<p><b>Regional Industry-Academia Collaboration for Talent Development: An Exchange of Skills Training, Internships and Jobs</b></p> <p>proposed by Chinese Taipei</p> <p>for endorsement and co-sponsorship Session 2-2017</p>	<p>Chinese Taipei proposed the project concept note for endorsement and co-sponsorship at Session 2-2017.</p> <p>It is currently under the Concept Note Stage.</p>	<p>The 2016 Leaders' Declaration</p> <p>The 6<sup>th</sup> AEMM Joint Ministerial Statements (2016)</p> <p>The project supports the APEC Education Strategy objective of promotion of collaboration between government, higher education and TVET institutions, business and education and</p>	<p><b><u>ECOTECH</u></b> Human Capital Development</p> <p><b><u>APEC 2017 Priorities</u></b> Fostering Sustainable, Innovative, and Inclusive Growth</p>	

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
		training stakeholders as well as smoothing the transition from education to work.		
<p><b>Project DARE (Data Analytics Raising Employment) Bringing Recommended APEC Data Science Analytics Competencies to the Workforce</b></p> <p>proposed by the United States</p> <p>for endorsement and co-sponsorship Session 2-2017</p>	<p>The United States proposed the project concept note for endorsement and co-sponsorship at Session 2-2017.</p> <p>It is currently under the Concept Note Stage.</p>	<p>2016 Ministerial Meeting Joint Statement</p> <p>2017 Framework on Human Resources Development in the Digital Age</p> <p>The 6<sup>th</sup> APEC HRDMM Joint Ministerial Statement (2014)</p> <p>2016 ABAC Report to Leaders</p>	<p><b>ECOTECH</b> Human Capital Development</p> <p><b>APEC 2017 Priorities</b> Deepening Regional Economic Integration</p> <p>Fostering Sustainable, Innovative, and Inclusive Growth</p>	
<p><b>Healthy Women, Healthy Economies: Sharing and Elevating Impacts on Women's Workforce Participation across the Asia Pacific</b></p> <p>proposed by the United States</p> <p>for endorsement and co-sponsorship Session 2-2017</p>	<p>The United States proposed the project concept note for endorsement and co-sponsorship at Session 2-2017.</p> <p>It is currently under the Concept Note Stage.</p>	<p>2016 APEC Ministers Responsible for Trade Statement</p> <p>2015 APEC Ministerial Meeting Statement</p> <p>2014 APEC Ministerial Meeting Statement</p>	<p><b>ECOTECH</b> Human Capital Development</p> <p><b>APEC 2017 Priorities</b> Deepening Regional Economic Integration</p> <p>Fostering Sustainable, Innovative, and Inclusive Growth</p>	<p>The project will promote cross-fora collaboration between HRDWG, HWG and PPWE.</p>
<p><b>Cultural and Global Competencies, Soft</b></p>	<p>The United States proposed the project concept note for endorsement and co-sponsorship at Session 2-2017.</p>	<p>The 6<sup>th</sup> AEMM Joint Ministerial Statements</p>	<p><b>ECOTECH</b> Human Capital</p>	

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<p><b>Skills, Employability and Economic Growth</b></p> <p>proposed by the United States</p> <p>for endorsement and co-sponsorship Session 2-2017</p>	<p>It is currently under the Concept Note Stage.</p>	<p>(2016)</p> <p>APEC Education Strategy and Action Plan</p>	<p>Development</p> <p><b><u>APEC 2017 Priorities</u></b></p> <p>Fostering Sustainable, Innovative, and Inclusive Growth</p> <p>Strengthening MSMEs' Competitiveness and Innovation in the Digital Age</p>	
<p><b>Advancing Inclusive Growth through the Employment of Persons with Disabilities</b></p> <p>proposed by the United States</p> <p>for endorsement and co-sponsorship Session 2-2017</p>	<p>The United States proposed the project concept note for endorsement and co-sponsorship at Session 2-2017.</p> <p>It is currently under the Concept Note Stage.</p>	<p>The 2016 Leaders' Declaration</p> <p>The 2015 Leaders' Declaration</p> <p>The 6<sup>th</sup> APEC HRDMM Joint Ministerial Statement and Action Plan (2014)</p>	<p><b><u>ECOTECH</u></b></p> <p>Human Capital Development</p> <p><b><u>APEC 2017 Priorities</u></b></p> <p>Deepening Regional Economic Integration</p> <p>Fostering Sustainable, Innovative, and Inclusive Growth</p>	<p>The project will promote cross-fora collaboration between HRDWG and GOFD</p>
<p><b>Digital Workforce Development: Leveraging digital and distance-learning technologies to build a 21st Century employment through improved career and technical education</b></p>	<p>The United States proposed the project concept note for endorsement and co-sponsorship at Session 2-2017.</p> <p>It is currently under the Concept Note Stage.</p>	<p>Framework for Human Resources Development in the Digital Age (2017)</p> <p>The 6<sup>th</sup> AEMM Joint Ministerial Statements (2016)</p> <p>APEC Education</p>	<p><b><u>ECOTECH</u></b></p> <p>Human Capital Development</p> <p><b><u>APEC 2017 Priorities</u></b></p> <p>Fostering Sustainable, Innovative, and Inclusive Growth</p>	<p>The project will promote cross-fora collaboration between HRDWG and SMEWG</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<p>proposed by the United States</p> <p>for endorsement and co-sponsorship Session 2-2017</p>		Strategy	Strengthening MSMEs' Competitiveness and Innovation in the Digital Age	
<p><b>Promoting regional connectivity of professionally qualified engineers in APEC</b></p> <p>proposed by the Singapore</p> <p>for endorsement and co-sponsorship Session 2-2017</p>	<p>Singapore proposed the project concept note for endorsement and co-sponsorship at Session 2-2017.</p> <p>It is currently under the Concept Note Stage.</p>	<p>APEC Services Competitiveness Roadmap 2016-2025</p> <p>APEC Connectivity Blueprint for 2015-2025</p> <p>Osaka Action Agenda</p> <p>The 1<sup>st</sup> APEC HRDMM Joint Ministerial Statement (1996)</p>	<p><b>ECOTECH</b> Human Capital Development</p> <p><b>APEC 2017 Priorities</b> Fostering Sustainable, Innovative, and Inclusive Growth</p> <p>Deepening Regional Economic Integration</p> <p>Strengthening MSMEs' Competitiveness and Innovation in the Digital Age</p>	<p>The project will foster greater collaboration with other relevant APEC fora such as the ABAC, SMEWG, Group of Services and CTI</p>
<p><b>APEC Policy Dialogue on the Needs of the Health Workforce</b></p> <p>proposed by Philippines</p> <p>for endorsement and co-sponsorship Session 2-2017</p>	<p>The Philippines proposed the project concept note for endorsement and co-sponsorship at Session 2-2017.</p> <p>It is currently under the Concept Note Stage.</p>	<p>The 1993, 1994, 2013, 2015 Leaders' Declaration</p> <p>Human Resources Development Framework for APEC</p> <p>Seoul Declaration (1991)</p>	<p><b>ECOTECH</b> Human Capital Development</p> <p><b>APEC 2017 Priorities</b> Fostering Sustainable, Innovative, and Inclusive Growth</p>	<p>The project will link with the other APEC fora and World Health Organization, ILO, OECD and ASEAN</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
			Deepening Regional Economic Integration	
<p><b>APEC Skills Development Capacity Building Alliance (ASD-CBA)</b></p> <p>proposed by Chinese Taipei</p> <p>for endorsement and co-sponsorship Session 2-2017</p>	<p>Chinese Taipei proposed the project concept note for endorsement and co-sponsorship at Session 2-2017.</p> <p>It is currently under the Concept Note Stage.</p>	<p>Osaka Action Agenda</p> <p>The 2016 Leaders' Declaration</p> <p>The 6<sup>th</sup> APEC HRDMM Joint Ministerial Statement and HRD Action Plan 2015-2018 (2014)</p> <p>APEC Connectivity Blueprint for 2015-2025</p>	<p><b>ECOTECH</b> Human Capital Development</p> <p><b>APEC 2017</b> <b>Priorities</b> Fostering Sustainable, Innovative, and Inclusive Growth</p>	<p>This project will provide a platform to SMEWG, PPWE, TWG, ABAC, EX, Leading MNCs, international organizers, high level officials, training providers and instructors for cross-fora and PPP collaboration</p>
<p><b>Developing Skills for All in APEC Economies</b></p> <p>proposed by Chile</p> <p>for endorsement and co-sponsorship Session 2-2017</p>	<p>Chinese Taipei proposed the project concept note for endorsement and co-sponsorship at Session 2-2017.</p> <p>It is currently under the Concept Note Stage.</p>	<p>The 6<sup>th</sup> AEMM Joint Ministerial Statements (2016)</p>	<p><b>ECOTECH</b> Human Capital Development</p> <p><b>APEC 2017</b> <b>Priorities</b> Fostering Sustainable, Innovative, and Inclusive Growth</p> <p>Deepening Regional Economic Integration</p>	
<p><b>APEC Community for Education Innovation (APEC CEDI) (HRD 10 2017S)</b></p>	<p>Republic of Korea proposed the project concept note as a Self-funded project, which was approved by for a on 10 July 2017.</p> <p>It will be operated as a multi-year project in APEC.</p>	<p>The project supports the aim of the APEC Education Strategy and plans to focus on development of core</p>	<p><b>ECOTECH</b> Human Capital Development</p> <p><b>APEC 2017</b></p>	

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
Republic of Korea		competencies of students and teachers, acceleration of Innovation and increase of employability through cooperation between industry and academia.	<b>Priorities</b> Fostering Sustainable, Innovative, and Inclusive Growth	
<b>APEC Prize for Learning Innovation in Education</b> To be proposed from EDNET	An annual award which recognizes outstanding individuals that have demonstrated commitment to excellence in education and learning with innovative approaches and methods and proven outcome and impact.	-	<b>ECOTECH</b> Human Capital Development	
<b>APEC Education Development Newsletter</b> To be proposed from EDNET	<p>The APEC Education Development Newsletter will reflect the most up-to-date education status in APEC economies and education development in the Asia-Pacific region as a whole. In doing so, hopefully, it will inform relevant policymaking process in APEC member economies and serve as a foundation for collaborative projects and initiatives among APEC economies.</p> <p>It consists of contents (preferably short articles) contributed by member economies on voluntary basis as well as information collected through literature review. It will be circulated among member economies by e-mail and meanwhile uploaded to APEC webpage where appropriate.</p> <p>An updated version of the draft concept note of APEC Education Development Newsletter was sent on 28 June 2017 to EDNET members.</p>	-	<b>ECOTECH</b> Human Capital Development	
<b>6th APEC Conference on Cooperation in Higher Education</b> (APEC CCHE '17) (HRD 08 2017S)  Russia  To be completed on	Series of APEC conferences on education became a platform for the testing and replication of best practices and successful experience of cooperation in the field of human recourse development in the Asia-Pacific region. The Conference 2017 “Diploma and Qualification Recognition for People to People Connectivity” will be held on 6-7 September 2017.	The 2012 APEC Economic Leaders’ Declaration (Annex D. Promoting Cross-Border Education Cooperation)	<b>ECOTECH</b> <b>Human Capital Development</b>	APRU

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<p>31 December 2017</p> <p><b>The Open Environment for Math Education in APEC Schools-Phase 2</b> (HRD 05 2017S)</p> <p>Russia</p> <p>To be completed on 31 December 2018</p>	<p>The proposal is a part of many-years global project that Russia has carried out since 2014. Educational experts from 6 APEC economies (Russia; Japan; Chile; Indonesia; Chinese Taipei and Thailand) are involved.</p> <p>The proposal's goal is to monitor math education levels and differences in math teaching approaches in school teaching in different APEC economies, to perform a comparative analysis of obtained information and elaborate recommendations based on this analysis. The recommendations will be aimed on smoothing differences of math teaching and will be open and available for any school educators and officials of participating APEC economies.</p> <p>The project implementation will help to raise the math education quality and to pull together school teaching in different APEC economies, helping to achieve three goals of HRDWG's mission: development of 21st Century knowledge and skills for all, integration into the global economy and addressing the social dimensions of globalization.</p>	<p>The 5<sup>th</sup> and 6<sup>th</sup> AEMM Joint Ministerial Statements (2012, 2016)</p>	<p><b>ECOTECH Human Capital Development</b></p>	<p>To implement this, we plan to: develop by means of participating APEC experts a cross-test on math to be held in participating APEC schools in Sept-Dec 2017; to hold the test in at least 30 schools and about 2000 student participants in Russia; Japan; Chile; Indonesia; Chinese Taipei and Thailand in Jan-May 2018; to process the obtained data and develop recommendations by educational experts from Russia (Jun-Aug 2018); to publish the recommendations on the Internet platform, making them open for all users.</p>
<p><b>Fostering Inclusive Growth in APEC</b></p>	<p>As the world is profoundly changing, APEC, more than ever, needs to assume greater responsibility as an incubator and driver for economic</p>	<p>The 2015 APEC Leaders' Declaration</p>	<p><b>ECOTECH Human Capital</b></p>	<p>Multilateral organizations,</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<p><b>Economies—Equal Employment Opportunity Policies and Practices</b> (HRD 09 2017S)</p> <p>Chinese Taipei</p> <p>to be completed on 31 December 2017</p>	<p>growth and integration. Chinese Taipei is willing to collaborate with all APEC economies to achieve transformative growth in today’s digital age. Especially regarding human resource development, it is crucial to ensure social protection by developing a fairer and more equal workplace and enhancing the economic participation of the less advantaged (including women, those with disabilities and youth).</p> <p>Chinese Taipei proposes to hold the “Workshop on Fostering Inclusive Growth in APEC Economies-Equal Employment Opportunity Policies and Practices” in August, 2017.</p> <p>The Workshop will foster a discussion on equal employment opportunity policies and practices, and on approaches to build a fair, equal, and friendly workplace. By bringing all the public and private stakeholders together, the Workshop aims to develop a requirement list for governments to ensure equal employment opportunities, and also identify effective enforcement and development approaches. This project will help all APEC economies promote inclusive growth by coming up with proactive recommendations and measures.</p>		<p>Development</p> <p><b><u>APEC 2017 Priorities</u></b> Fostering Sustainable, Innovative, and Inclusive Growth</p>	<p>private corporations and NGOs who are interested in this project will be invited to participate in the workshop. The workshop will also include representatives from other organizations working to ensure equal employment opportunity.</p>
<p><b>APEC Knowledge Network on Best Practices for Employability Soft-Skills Development</b> (HRD 01 2017S)</p> <p>Peru</p> <p>to be completed on 30 June 2018</p>	<p>Having on account the demands and trends of the regional labor market, and given the need to identify and put in practice the best models and strategies to develop and strengthen soft skills of the workforce, the “APEC Knowledge Network on Best Practices for Employability Soft-Skills Development” (SOFT-SKILLS NET) is a space for sharing relevant information that contribute to boost the capacity of experts, researchers, practitioners, and policy makers to delineate and implement programmes aimed to enhance workforce employability.</p> <p>The SOFT-SKILL NET will be primarily conceived as a digital platform that will be feed with data and information provided by specialist from APEC economies willing to share studies and researches on soft skills development with emphasis in enhancement of workforce employability. It will provide a digital mechanism to promote and facilitate the dissemination of studies on the subject, and to communicate and bring together experts on the field. Further on, through the experts’ network, and in synergy with other APEC projects, it will foster jointly research</p>	<p>The 6<sup>th</sup> HRDMM Joint Ministerial Statement</p>	<p><b><u>ECOTECH</u></b> Human Capital Development, Regional Economic Integration</p> <p><b><u>APEC 2017 Priorities</u></b> Fostering Sustainable, Innovative, and Inclusive Growth, Deepening Regional Economic Integration</p>	<p>-</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
	<p>initiatives on soft skills development.</p> <p>The project on SOFT-SKILL NET is proposed to initiate on April 2017, and to be implemented, in its first stage, by June 2018.</p>			
<p><b>Enhancing Mutual Recognition and Regional Cooperation for Skills and Job Qualifications in the APEC Region</b> (HRD 03 2016T)</p> <p>Japan</p> <p>To be completed by 31 December 2017</p>	<p>To contribute to the important priorities like “people-to-people connectivity”, “fostering human capital development”, “promoting trade and investment liberalization and facilitation”, and facilitating the mobility of labor and skills development, this project was proposed to conduct studies and to develop common understanding about the current state of qualifications, skills, and professional recognition in APEC. This project seeks to raise awareness regarding the achievements and best practices of existing initiatives to mutually recognize skills and job qualifications and to build human resource development (HRD) capacity among APEC member economies.</p> <p>A series of literature research and interviews were conducted across APEC economies, and assembled eight case profiles of initiatives that include efforts led by both the public and private sectors. Along with the intensive researches, a workshop also held in May with invited four experts in each specialized fields from Australia, Japan, Chinese Taipei and Viet Nam. The research findings in the midterm as well as the experiences and challenges of each respective professional field were shared and discussed.</p> <p>The key findings from the studies are now under review to be compiled in the draft report. The draft report will be circulated to the working group and other interested fora before delivering the final report which will be published by December 2017.</p>	<p>The 2015 APEC Economic Leaders’ Declaration (Annex B. APEC Services Cooperation Framework)</p> <p>The 6<sup>th</sup> HRDMM Joint Ministerial Statement (2014)</p>	<p><b><u>ECOTECH</u></b> Human Capital Development; People-to-People Connectivity; Services Trade</p> <p><b><u>APEC 2017</u></b> <b><u>Priorities</u></b> Fostering Sustainable, Innovative, and Inclusive Growth; Deepening Regional Economic Integration</p>	<p>The project will have close communication with the related agencies or organizations including Trades Recognition Australia (TRA), Workforce Development Agency of Chinese Taipei and other recognized institutions which administer the qualification systems in the process of field studies.</p> <p>The project will also seek possible linkages and build on with the other related HRDWG projects which were implemented in the relevant area, such as “Strengthening Mobility and</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
				Promoting Regional Integration of Professional Engineers in APEC Economies (HRD 03 2014T)” or “Integrated Referencing Framework for Skills Recognition and Mobility (HRD 05 2015S)” to make full use of the series of effort of the working group.
<p><b>Development of APEC Occupational Standards Framework and APEC Occupational Standards Framework: Test in the Travel, Tourism and Hospitality Industry</b> (HRD 12 2016S)</p> <p>Australia; Peru</p> <p>To be completed on 30 June 2017</p>	<p>This project supports the broad APEC agendas of technical cooperation and skilled labour mobility. The project builds on a recommendation from the establishment phase of the Integrated Referencing Framework for Skills Recognition and Mobility (IRF) project to test the draft APEC Occupational Standards Framework (OSF) concept in an additional industry sector. This project is bringing together six economies to test this framework and develop regional occupational standards for six occupations in the travel, tourism and hospitality (tourism) industry. Australia (representing the Human Resource Development Working Group) and Peru (representing the Tourism Working Group) are jointly co-leading this project.</p>	<p>The 2016 APEC Economic Leaders’ Declaration</p> <p>The 6<sup>th</sup> HRDMM Joint Ministerial Statement (2014)</p>	<p><b>ECOTECH</b> Human Capital Development, Regional Economic Integration</p> <p><b>APEC 2017</b> <b>Priorities</b> Fostering Sustainable, Innovative, and Inclusive Growth, Deepening Regional Economic Integration</p>	<p>This project involves collaboration between HRDWG with Australia leading and the Tourism Working Group with Peru co-leading. This project has also involved industry stakeholders and government working together from six APEC economies and Pacific Alliance member countries.</p>
<p><b>Skills Training in</b></p>	<p>This project will showcase a series of strategically designed industry-</p>	<p>EDNET Objective</p>	<p><b>ECOTECH</b></p>	<p>-</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<p><b>Industry-Academia Collaboration in CTE: Best Practices and Implementation in the Engineering, Hospitality and Innovative Entrepreneurship Fields</b> (HRD 17 2016S)</p> <p>Chinese Taipei</p> <p>To be completed on 30 November 2017</p>	<p>driven CTE programs to invited delegates from APEC economies. Through the collaboration and networking between academic institutions and private sector, students receive education and training that cultivates them as a skilled workforce that satisfies industry needs, thereby alleviating economic downturn and effectively meeting difficult challenges being faced in the APEC region due to education gap and skills gap. While some economies may have also acted on this issue, certain venues will be arranged to allow delegates to share and discuss policies and practices enacted by their respective authorities. Other planned activities include setting up a bilingual website where relevant information will be regularly uploaded (commenced in November 2016) and organizing a workshop, as well as a three-day CTE tour in Chinese Taipei in April 2017</p>	<p>The 4<sup>th</sup> AEMM Joint Ministerial Statement (2008), in which Career and Technical Education (CTE), for the achievement of 21<sup>st</sup> century competencies and skills.</p> <p>Specifically, this proposed project aims to establish a network for the exchange and sharing of information and best practices regarding the design of industry-driven vocational and technological programs, which will cultivate manpower resources with skills that match the needs of the industry, thereby narrowing the skills gap for the enhancement of APEC prosperity and sustainability.</p>	<p>Human Capital Development</p>	
<p><b>Project DARE (Data Analytics Raising Employment) – An Employer Driven Approach to Prepare</b></p>	<p>Project DARE is a public-private partnership of the Asia-Pacific Economic Cooperation (APEC) led by the United States (U.S. Department of Labor) and cochaired by the global skills and knowledge company Wiley and Business Higher Education Forum (BHEF) with co-sponsorship from the governments of Australia, Japan, Malaysia, Peru,</p>	<p>The 2015 and 2016 APEC Economic Leaders' Declarations</p>	<p><b>ECOTECH</b> Human Capital Development, Regional Economic Integration</p>	<p>The project is led by the U.S. Department of Labor and co-chaired by Wiley</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<p><b>the Workforce for a Data Driven Future</b> (HRD 04 2016A)</p> <p>the United States</p> <p>To be completed on 31 December 2017</p>	<p>Chinese Taipei, and Viet Nam.</p> <p>Project DARE seeks to enable APEC workforce with the data analytics competencies demanded by employers today and to secure the jobs of tomorrow</p> <p>In 2017, Project DARE will:</p> <ul style="list-style-type: none"> <li>• Raise awareness of the jobs and economic impact at stake in APEC economies by commissioning a research report that will seek to quantify the economic impact of the shortage of data analytics enabled workforce in the APEC region.</li> <li>• Create a Recommended “APEC Data Analytics Competencies” as a resource to academic institutions and governments to help update curricula, so APEC economies train its workforce with the data analytics skills needed by employers in a data-driven future. The “Recommended Competencies” will be finalized by the Project DARE Advisory Group in the Advisory Group meeting May 4-5, 2017, and will be presented to APEC’s Human Resources and Development Working Group (HRDWG) for endorsement.</li> </ul>		<p><b><u>APEC 2017 Priorities</u></b> Fostering Sustainable, Innovative, and Inclusive Growth, Deepening Regional Economic Integration</p>	<p>and BHEF. It will also invite approximately 50 distinguished business and higher education leaders representing APEC economies.</p>
<p><b>APEC Integrated Referencing Framework for Skills Recognition and Mobility Phase II- Socialisation and Consultation</b> (HRD 11 2017S)</p> <p>Australia</p> <p>To be completed on 31 October 2018</p>	<p>This project builds on the APEC Integrated Referencing Framework for Skills Recognition and Mobility (IRF) – Establishment Phase – Phase I [Project No. HRD 05 2015S] to develop a comprehensive skills recognition referencing mechanism for TVET. The APEC IRF is a concept that will enable comparisons of the skills held by workers across the region by bringing together the components necessary for understanding and assessing these skills, including:</p> <ul style="list-style-type: none"> <li>- the relevance of skills held by workers;</li> <li>- the level at which the skills are held; and</li> <li>- the quality of training/skills development inputs/outputs.</li> </ul> <p>This project, known as IRF Phase II, will progress activities to address recommendations from the IRF Phase I project Final Report. It will involve consulting with Working Group participants from the ten economies involved in the two APEC occupational standards</p>	<p>The 2016 APEC Leaders’ Declaration</p> <p>The 6<sup>th</sup> HRDMM Joint Ministerial Statement (2014)</p>	<p><b><u>ECOTECH</u></b> Human Capital Development, Regional Economic Integration</p> <p><b><u>APEC 2017 Priorities</u></b> Fostering Sustainable, Innovative, and Inclusive Growth, Deepening Regional Economic Integration</p>	<p>This project will involve consultation with APEC economies involved in the occupational standards development projects in transport &amp; logistics and tourism, and will involve both government and industry stakeholders from these economies as well as Pacific</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
	<p>development projects in the transport &amp; logistics and tourism industry sectors. The consultation will consider practical issues experienced by industry when recognising the skills of workers and ascertain how the IRF concept can contribute to improving skills recognition.</p> <p>The outcomes from the IRF Phase II – Socialisation &amp; Consultation project will be: the design of skills recognition pilots in the transport and logistics and tourism sectors using the APEC regional occupational standards developed for these sectors; a concept proposal to inform the qualification and skills recognition component of the APEC Labour Mobility Framework; and it is anticipated that the outcomes from this project will also be presented to HRD Ministers at their meeting in 2018 for their consideration.</p>			Alliance member countries.
<p><b>Global Competencies and Economic Integration</b> (HRD 02 2015)</p> <p>the United States</p> <p>To be completed in March 2017</p>	<p>The Global Competencies and Economic Integration project will finalize its activities by summer of 2017, including the launch of a project website that will include information about global competencies and the project, survey results, and resources.</p> <p>APEC Workshop on Global Competencies and Economic Integration was held in Monterey, California, U.S.A. on 7-8 August 2017. A final report of results and recommendations will be issued to promote global competencies and other soft skills, such as language proficiency and international experience that will boost employment.</p>	EDNET and AEMM Joint Statement priorities to enhance capabilities and increase employment (The 6 <sup>th</sup> AEMM Joint Ministerial Statement in 2016)	<b>ECOTECH</b> Human Capital Development	The project study team coordinates with agencies, business groups, experts, and other organizations in the USA and partnering economies to promote implementation of the survey within the participating economies.
<p><b>Workshop on the Development of an APEC Labour Mobility Framework</b> (HRD 18 2016S)</p> <p>Australia</p> <p>On-going</p>	<p>A two-day workshop was held on 18-19 February in Nha Trang, Viet Nam to provide a platform for APEC government officials, global experts and business to discuss broader labour mobility issues and explore options for a regional framework on mobility.</p> <p>The Workshop Summary Report was circulated to HRDWG on 22 June 2017.</p> <p>This workshop was part of a broader HRDWG project on the Development of an APEC Labour Mobility Framework. The project is</p>	<p>The 2014 Leaders' Declaration</p> <p>2015 APEC Strategy for Strengthening Growth</p> <p>The 6<sup>th</sup> HRDMM Joint Ministerial Statement and HRD Action Plan</p>	<b>ECOTECH</b> Human Capital Development	A cross-fora Project Advisory Team was established after the workshop to provide advice to the Project Overseer on drafting the Annex to the

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
	based on a non-paper which was endorsed by HRDWG and noted by Senior Officials in 2016. Consultations with member economies on the proposal to annex the Framework to the APEC Leaders' Declaration in November 2017 are ongoing.	2015-2018 (2014)  APEC Services Competitiveness Roadmap 2016-2025		Leaders' Declaration. The Economic Committee and Tourism Working Group participate in the work of the Team.
<p><b>Workshop on Improving Quality Employment Opportunities for Women</b> (HRD 16 2016S)  Australia</p> <p>To be completed by 30 November 2017</p>	<p>To contribute to multilateral responses toward women's economic empowerment, Australia arranged a two-day cross-fora workshop on 6-7 March 2017 in Bangkok, Thailand.</p> <p>Around eighty delegates from across APEC economies and partner organisations met to consider strategies to improve quality employment opportunities for women, with a particular focus on low-skilled women at risk of being caught in low quality jobs in the informal economy.</p> <p>Discussions focussed on gender employment policies and programs, including strategies to assist new entrants to the labour force through school-to-work transition, recruitment and retention processes and social protection and regulation.</p> <p>Outcomes aim to steer progress toward the development goals agreed in the 2016 APEC Leaders' Declaration on 'Quality Growth and Human Development'. Participants agreed that challenges remain to be addressed on many aspects of job quality, including with regards to occupational segregation, gender pay gaps and discrimination.</p> <p>A report outlining the workshop outcomes and additional research will be delivered in late 2017.</p>	<p>The 2015 Leaders' Declaration</p> <p>The 6<sup>th</sup> HRDMM Joint Ministerial Statement and HRD Action Plan 2015-2018 (2014)</p>	<p><b>ECOTECH</b> Human Capital Development</p> <p><b>APEC 2017 Priorities</b> Fostering Sustainable, Innovative, and Inclusive Growth,</p> <p>Deepening Regional Economic Integration</p>	<p>The workshop was undertaken in cooperation with Policy Partnership on Women and Economy (PPWE) and was endorsed by the HRDWG.</p>
<p><b>APEC Guiding Principles for Research Integrity – Phase Two</b></p>	<p>Australia is progressing the second phase of the APEC Guiding Principles for Research Integrity project. A discussion paper will be developed that will examine the current research integrity management approaches and definitions in the region, to enhance mutual</p>	<p>The project supports the APEC Education Strategy objective of promotion of</p>	<p><b>ECOTECH</b> Human Capital Development</p>	<p>This project will be undertaken in cooperation with PPSTI.</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<p>(HRD 04 2017S)</p> <p>Australia</p> <p>To be completed on 30 June 2017</p>	<p>understanding of good practices and challenges for quality research.</p> <p>This research paper will also stimulate discussions at a workshop to be delivered in late 2017 which will bring together government officials, university representatives and research stakeholders from across the region. The workshop will be an important preliminary step in beginning to collaboratively draft voluntary, high-level principles that can inform quality research in APEC.</p> <p>The project contributes to increased research collaboration, supports research quality and encourages research innovation among APEC economies by reducing barriers to research cooperation.</p>	<p>government-industry-academia collaboration for research and development and innovation as well as cross-border education cooperation and academic mobility.</p> <p>It also contributes to the whole-of-APEC objective of supporting collaborative policy studies and information sharing as part of the APEC Services Competitiveness Roadmap.</p>		
<p><b>Seminars for Basic Education Reform and Development in APEC: Experiences from PISA and TALIS</b> (HRD 19 2016S)</p> <p>People's Republic of China</p> <p>To be completed on 31 December 2017</p>	<p>In September 2017, two workshops will be organized in Shanghai. Each workshop will provide training and hands-on experienced for 20 participants, including educational administrators, head teachers and university faculties to develop their capacity in designing and implementing educational reforms. Activities will be organized in forms of workshops, group discussions and school visits.</p>	<p>The workshops will provide a platform for educational policymakers and practitioners in the Asia Pacific Region to exchange their experiences and perspectives concerning reforms and quality of basic education.</p>	<p><b>ECOTECH</b> Human Capital Development</p>	<p>Shanghai Normal University which chaired the PISA 2009, PIAS 2012 and TALIS+2015 programs in Shanghai will host the seminars.</p>
<p><b>Textbook Development for Energy Efficiency, Energy Security and Energy Resiliency</b> (HRD 03 2015A)</p>	<p>This project aims to develop innovative textbooks on energy efficiency, energy security, and energy resiliency. The project's activity will be finalized by the end of 2017 by developing textbooks and sharing the best practices for lesson study</p> <p>Under this project, specialists from mathematics, science and</p>	<p>This project supports the APEC Education Strategy which aims at the promotion of STI in education and pedagogical practices</p>	<p><b>ECOTECH</b> Human Capital Development</p> <p><b>APEC 2017</b> <b>Priorities</b></p>	<p>In 2016, this project used the Energy Working Group's APEC Energy Database in high schools.</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<p>Japan; Thailand</p> <p>To be completed on 31 December 2017</p>	<p>environmental education will share the latest knowledge of energy efficiency including the perspectives of economic growth and sustainable development and a model approach for cross-border education through lesson study. This project will also contribute to the enlargement of the APEC Lesson Study Network to include high school cross-border lesson study.</p>	<p>and improvement of the use of educational and technological capabilities in teaching and learning processes. It also supports the promotion of cross-border education.</p>	<p>Fostering Sustainable, Innovative, and Inclusive Growth</p>	<p>In 2017, UNESCO will use the findings to create an APEC model for textbooks that could then be introduced to the world.</p>
<p><b>APEC Women in Research Fellowships</b> (Contributes to the APEC Scholarship and Internship Initiative)</p> <p>Australia</p> <p>On-going</p>	<p>In 2017 the APEC Women in Research Fellowships will support 10 high-achieving female researchers from developing APEC economies to undertake a short-term research opportunity in an Australian education or research institution. The Fellowship addresses potential barriers to mobility faced by female researchers and includes provision for a family allowance. The Fellowship also supports early-career researcher mobility, with two of the 10 positions identified for researchers with less than three years' experience. This program contributes to the APEC Scholarship and Internship initiative (2014).</p>	<p>The Fellowship contributes to the objective of the APEC Education Strategy to promote cross-border education, academic mobility and individual pathways within and across education levels.</p> <p>The program also supports the strategic actions set out in the APEC Services Competitiveness Roadmap, including the movement of people across borders to facilitate the exchange of innovative ideas and cooperation in the education sector.</p>	<p><b>ECOTECH</b> Human Capital Development</p>	<p>-</p>
<p><b>APEC Future Education Consortium: Focusing on APEC Network of ICT Model Schools for</b></p>	<p>The APEC Future Education Consortium (AFEC) aims to sharing a vision of the future education amongst schools, ALCoB and researchers within APEC region, theoretically and in practice implementing this vision in the field of education.</p> <p>This objective is implemented by the ALCoB School Network (ASNet)</p>	<p>The 2005 APEC Ministerial Meeting Joint Statement</p>	<p><b>ECOTECH</b> Human Capital Development</p> <p><b>APEC 2017</b> <b>Priorities</b></p>	<p>APEC Future Education Forum (AFEF) is held annually and collaborations with diverse</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<p><b>Future Education (AFEC)</b> (HRD 01 2005)</p> <p>Republic of Korea</p> <p>On-going project since 2005</p>	<p>based on autonomous and positive support from participating member economies.</p> <p>In addition, the 13<sup>th</sup> APEC Future Education Forum (AFEF) will be co-hosted between the Ministry of Education, Republic of Korea and the Ministry of Education and Training, Viet Nam on 15~17 November 2017 in Ha Noi, Viet Nam.</p>		<p>Fostering Sustainable, Innovative, and Inclusive Growth</p>	<p>organizations have been made.</p>
<p><b>APEC Learning Community for Shared Prosperity (ALCom)</b> (HRD 05 2004)</p> <p>Republic of Korea</p> <p>On-going project since 2004</p>	<p>Since its official approval in 2004, consistently, ALCom has been implementing international cooperative activities originating from the APEC Learning Community Builders (ALCoB).</p> <p>ALCoB consists of APEC member economies' teachers, learners, university students, supporters, education administrators.</p> <p>In year 2017, fourteen ALCoB Cooperative Projects (ACP) are implemented in elementary, middle, high school and universities in APEC.</p> <p>Also, four ALCoB Internet Volunteers (AIV) Program on e-Learning and ICT Training were held in 2017:</p> <ol style="list-style-type: none"> <li>1) AIV in Jakarta, Indonesia: July 23<sup>rd</sup>-30<sup>th</sup></li> <li>2) AIV in Sakha, Russia: July 30<sup>th</sup> -Aug. 4<sup>th</sup></li> <li>3) AIV in Ha Noi, Viet Nam: July 29<sup>th</sup>-Aug. 5<sup>th</sup></li> <li>4) AIV in Lima, Peru: Aug. 6<sup>th</sup>-16<sup>th</sup></li> </ol> <p>The 15<sup>th</sup> International ALCoB Conference will be held in conjunction to the 13<sup>th</sup> APEC Future Education Forum (AFEF) on 15~17 November 2017 in Ha Noi, Viet Nam.</p> <p>Moreover, two volumes of Asia-Pacific Collaborative Education Journal (APCJ) have been published in 2017.</p>	<p>The 3<sup>rd</sup> AEMM Joint Ministerial Statement</p>	<p><b>ECOTECH</b> Human Capital Development</p> <p><b>APEC 2017</b> <b>Priorities</b> Fostering Sustainable, Innovative, and Inclusive Growth</p>	<p>ALCoB members are composed of various occupations and seeks for cross-fora collaboration opportunities with stakeholders in education.</p>
<p><b>APEC Cross-Border Higher Education Data Collection</b> (HRD 03 2015S)</p>	<p>In 2017 the project finalized the results of the Cross-border Higher Education Survey to gain a 'snapshot' of the extent of higher education cross-border activity in the APEC region, including branch campuses, dual degrees and online programs.</p>	<p>The project aligns with the APEC Education Strategy's aim of promoting cross-border education cooperation</p>	<p><b>ECOTECH</b> Human Capital Development</p>	<p>The project builds on the <i>Enhancing cross-border higher education institution</i></p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<p>Australia</p> <p>Completed in August 2017</p>	<p>A series of in-country consultations occurred to build on the findings of the survey and discuss how economies can collect higher education data more effectively to build a robust evidence base for their own domestic use and to contribute to data collection in the region.</p> <p>A final report gathered together the findings from the survey, the consultations and desk research to give economies an outline of cross-border linkages as well as the opportunities and gaps in information on higher education provider mobility in the region.</p> <p>The project supports data gathering and knowledge sharing among APEC economies and assists with the development of evidence based education policy.</p>	<p>and the modernization of education systems through sharing good practice.</p> <p>It also supports APEC-wide actions in the APEC Services Competitiveness Roadmap, such as information sharing and collaborative policy studies to contribute to education cooperation in the region.</p>		<p><i>mobility in the APEC region</i> project undertaken in the Group on Services forum.</p>
<p><b>APEC Quality Assurance in Online Education</b> (HRD 14 2016S)</p> <p>Australia</p> <p>to be completed on 30 June 2017</p>	<p>Building on activities undertaken in 2016, the Quality Assurance in Online Education project will finalise and distribute the workshop report to APEC economies along with the updated APEC Quality Assurance in Online Education Toolkit document. The toolkit is intended to provide economies with a practical reference document to use when considering quality assuring online higher education courses.</p> <p>Australia has led a series of in-country consultations to further refine the toolkit. Following input from participating economies, the toolkit will be finalized in consultation with EDNET.</p> <p>The project will help governments and quality assurance agencies develop a clear understanding of best practice in online learning and supports APEC economies to respond and adapt to the impacts of technological change. It also contributes to increased cross-border education cooperation, student mobility and higher education quality in the APEC region.</p>	<p>The project contributes to the APEC Education Strategy Goals of modernizing education systems, improving the use of educational and technological capabilities in teaching and learning, and promoting student mobility and cross-border education cooperation.</p> <p>It also supports the APEC Services Competitiveness Roadmap's APEC-wide objective of cooperation in the education sector and</p>	<p><b>ECOTECH</b> Human Capital Development</p>	<p>-</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
		responding to the rapid developments taking place in internet-based technology.		
<p><b>Research on Mutual Recognition of Credits among Universities in the APEC Region</b> (HRD 02 2016A)</p> <p>People’s Republic of China</p> <p>to be completed on 31 December 2017</p>	<p>Based on the successful outcome of the project workshop in December, 2016 in Beijing, the <i>Research on Mutual Recognition of Credits among Universities in the APEC Region</i> project will implement the field research and conduct survey to identify technical and institutional barriers of the existing credit transfer system and to develop recommendations in breaking the predicaments of mutual recognition of credits in universities among APEC economies. The guideline for mutual recognition of university credits will be created.</p>	<p>This project positively responds the instruction of APEC leaders, which emphasizes to improve people-to-people connectivity and to continue promotion of cross-border cooperation in education. It also aligns with the APEC Connectivity Blueprint for 2015-2025, it is clearly declared that “We undertake to improve cross-border education (CBE) cooperation, in recognition that student, academic and provider mobility helps to strengthen regional ties, facilitate people-to-people exchanges and promote economic development through knowledge and skills transfer. We resolve to achieve one million intra-APEC student exchanges per year by 2020, and to increase</p>	<p><b>ECOTECH</b> Human Capital Development</p>	<p>China, Japan, and Korea have tri-laterally conducted Campus Asia Program (Collective Action for Mobility Program of University Students in Asia; non-APEC project) in 2011 to 2015, which is a pilot program that encourages undergraduates and graduates’ exchange program through a mutual recognition of dual degree among the three economies. From 2016, the program is officially implemented in the three economies. Reference and results produced by it will be utilized to this</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
		the number of student exchanges to developing economies.”		project.
<p><b>APEC Higher Education Research Center (AHERC)</b> (HRD 05 2014S)</p> <p>People’s Republic of China</p> <p>On-going since 2014</p>	<p>The institution is established in the People’s Republic of China to enhance joint study, information sharing, student and researcher mobility among APEC universities and institutions.</p>	<p>The 2014 APEC Economic Leaders’ Declaration</p>	<p><b>ECOTECH</b> Human Capital Development</p> <p><b>APEC 2017 Priorities</b> Fostering Sustainable, Innovative, and Inclusive Growth</p>	-
<p><b>APEC Education Research Network (AERN)</b> (HRD 07 2015S)</p> <p>People’s Republic of China</p> <p>On-going since 2015</p>	<p>The APEC Education Research Network aims at a platform where all the national education research institutions or counterpart organizations of APEC economies to share knowledge and information towards better-informed policymaking for all the APEC economies and better social and economic wellbeing in the whole region.</p> <p>Its key activities include a) Editing an APEC Annual Report on Education Policy and Development; b) Annual APEC Annual Conference on Education Policy and Research and C) Organizing thematic collaborative study on commonly-concerned topics.</p>	<p>The 5<sup>th</sup> and 6<sup>th</sup> AEMM Joint Ministerial Statement (2012, 2016)</p>	<p><b>ECOTECH</b> Human Capital Development</p> <p><b>APEC 2017 Priorities</b> Fostering Sustainable, Innovative, and Inclusive Growth</p>	-
<p><b>APEC e-Learning Training Program (AeLT)</b> (HRD 01 2006S)</p> <p>Republic of Korea</p> <p>on-going since 2006</p>	<p>APEC e-Learning Training Program (AeLT) is a specialized training course for government officials, scholars, and experts to enhance the quality of education by the advanced technologies and cultivate next generation leaders in HRD.</p> <p>The program consists of a blended online and offline e-Learning training curriculum customized for the needs of the trainees and the participating member economies.</p> <p>In year 2017, the following rounds have been planned and operated: 1) The 38<sup>th</sup> Round: 18-28 April 2017 (Busan and Seoul, Republic of</p>	<p>The 2005 APEC Ministerial Meeting Joint Statement</p>	<p><b>ECOTECH</b> Human Capital Development</p> <p><b>APEC 2017 Priorities</b> Fostering Sustainable, Innovative, and Inclusive Growth</p>	<p>AeLT annually receives trainee recommendations from member economies’ Ministries of Education.</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
	Korea) 2) The 39 <sup>th</sup> Round: 28 June-8 July 2017 (Seoul, Republic of Korea) 3) The 40 <sup>th</sup> Round: 26 Oct.-1 Nov. 2017 (Jeju, Republic of Korea)			
<b>Promoting the Employment of Persons with Disabilities in APEC</b> (Phase I: HRD 03 2016S) (Phase II: HRD 06 2017S)  the United States  Phase II to be completed on 31 December 2017	This self-funded project aims to support APEC goals of inclusive economic growth by identifying barriers to and good practices in expanding job opportunities for persons with disabilities. Specifically, this project will produce a research report about efforts in both the public and private sectors within APEC economies to increase the employment of persons with disabilities. Member economy representatives and disability experts will be engaged to help understand current legal frameworks, policies, and programs, as well as to identify economies' innovative strategies. The report will also present recommendations to economies to increase the employment of persons with disabilities. The United States will seek separate funding for a subsequent symposium that will discuss the report's recommendations and technical assistance to support economies' implementation. This project supports efforts of the APEC Group of Friends on Disability, which seeks to integrate disability across APEC.	2015 APEC Economic Leader's Meeting Declaration  The 6 <sup>th</sup> HRDMM Joint Ministerial Statement (2014)  APEC HRD Action Plan 2015-2018	<u><b>ECOTECH</b></u> Human Capital Development  <u><b>APEC 2017</b></u> <u><b>Priorities</b></u> Fostering Sustainable, Innovative, and Inclusive Growth	GOFD

## **2017 SCE FORA REPORT: *Health Working Group (HWG)***

**Date: 5 September 2017**

### **Summary**

#### **1. Main progress and achievements of 2017**

HWG has progressed 5 APEC-funded projects –; HWG 01 2016A; HWG 02 2016A; and HWG 03 2016A; HWG 04 2016A; HWG 01 2017A 4 active self-funded projects, with the LSIF joint events such as the APEC “Accelerating Action on HPV and Cervical Cancer Prevention and Control - Implementing Policy Recommendations” Workshop held in 2017.

HWG adopted the 2017 HWG Work Plan and, also formed a sub-working group integrated by Australia, China, Vietnam, Chinese Taipei, The Philippines and Peru to draft a proposal for the “Implementation of the Roadmap for Working towards a Healthy Asia Pacific 2020” and submit for economies’ reviewed the draft HAP 2020 Indicator Working Paper.

HWG has held 2 meetings in the margins of SOM1&3, 2017.

HWG elected Mr. Ken K. Wai (Papua New Guinea) and Ms. Sarah Lawley (Canada) as the new Chair for 2018-2019 (Co-chairing). This election is a unique and strategic partnership which will: effectively lead the HWG for the next two years; helps to ensure that the health agenda addresses the interests of APEC economies in both hemispheres; and represents both a geographic and gender balance.

Finally, HWG’s Chair ends its period this year 2017 with a record of 26 new concept notes presented by APEC economies.

#### **2. Recommendations to SCE/SOM**

Accelerate the process of approval of the new concept notes under APEC funds.

### **Section I: Main Outcome of Plenary Meetings**

#### **1. HWG1, SOM1, 2017**

HWG2 took place in Nhan Trang-Vietnam, from 23 to 24 February 2017. It was chaired by Lic. Rocio Casildo Canedo of Peru and attended by 15 Member Economies and two guests.

The meeting held discussions on the HWG 2017 Theme of ““Strengthening the System from Health to Universal Health Coverage and Sustainable Development”, the 2017 HWG Workplan, the proposed topic on Health Policy Dialogue on Promoting Healthy Aging and Non Communicable Diseases Control for Healthy Asia Pacific and the Health Policy Dialogue on TB and MDR TB. HWG confirmed the 7<sup>th</sup> High Level Meeting on Health and Economy in this August and continuously worked with the host economy on the dates and venue.

#### **2. HWG2, SOM3, 2017**

HWG2 took place in Ho Chi Minh, Viet Nam, from 21 to 22 August 2017. It was chaired by Lic. Rocio Casildo Canedo of Peru and attended by 18 Member Economies and two guests.

The meeting held discussions on the draft of HWG Developing Indicators for the HAP2020 priorities related to the implementation of the HAP 2020, led by Australia with the support of the sub-working

group of economies integrated by: China, Vietnam, Philippines, Peru and Chinese Taipei. This document will be submitted to endorse in October 2017.

Mr. Ken K. Wai (Papua New Guinea) and Ms. Sarah Lawley (Canada) was endorsed by consensus as the next HWG Chair for 2018-2019.

We also present the draft of the paragraphs for the leaders declaration related to health to submit to a review of the economies.

HWG held a half-day 2017 Health Policy Dialogue on August 22 (Promoting Healthy Aging and NCD Control for Healthy Asia Pacific and Accelerating Action on Tuberculosis (TB) and Multi-drug Resistant Tuberculosis (MDR TB) in the APEC Region) and jointly with LSIF supported the 7<sup>th</sup> High Level Meeting on Health and Economy (HLM7), which also took place in Ho Chi Minh, Vietnam, from 23-24 August 2017. The Joint Statement of HLM7 emphasizes the following premises:

- A. Universal health coverage (UHC)<sup>1</sup> has become a major policy priority in many APEC economies, in response to the recognition that the health of the population relates directly to economic growth.
- B. Recognizes that there are lessons from international experience which can help inform and shape health financing reforms that support progress towards UHC in APEC economies
- C. HLM7 noted that health should be a priority in government budgets because of the productivity and broader economic gains from a healthy workforce. A healthy workforce forms the backbone of economic activity
- D. HLM7 noted that treasuries in some economies have adopted a “social investment” approach to the health sector, which entails also counting the broader societal impact of public investments in the sector, a method that is often used for measuring public investments in education
- E. Public financing systems, such as tax-based financing and/or social health insurance, based on pre-paid pooled funds, are regarded as fundamental to moving closer to UHC
- F. The policy and regulatory environment for the adoption and deployment of alternative financing mechanisms is uneven in the APEC region
- G. HLM7 reaffirmed its commitments to the Healthy Asia-Pacific 2020 Initiative, developed in 2014 to help mitigate threats to the region’s trade and economic security
- H. Reaffirms health issues such as: Non-Communicable Diseases, Mental Health, Women’s Health, Adolescent and Youth Health and Wellbeing, HPV and Cervical Cancer, Healthy Aging, Antimicrobial Resistance, Vaccination, Tuberculosis, HIV/AIDS, Malaria and Dengue, Rare Diseases, Blood Safety, Safe Surgery, Regulatory Convergence and Secondary Use of Medical Data

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<sup>1</sup> Universal health coverage (UHC) means that all people in a society are able to obtain the health services that they need, of high-quality, without fear that the cost of paying for these services at the time of use will push them into severe financial hardship.

**Section II: Progress on Projects and Other Initiatives**

<b>Title</b>	<b>Progress made</b>	<b>Mandate</b>	<b>ECOTECH Priorities</b>	<b>Cross-fora collaboration</b>
<i>HWG 01 2016A Workshop on the Monitoring of Universal health Coverage progress in APEC region: Towards “Healthy Asia Pacific 2020”</i>	It was held in Beijing China from 26 to 27 July in Beijing, China. 25 participants from 5 APEC economies attended.	<ul style="list-style-type: none"> <li>• <i>The Healthy Asia Pacific 2020 Road Map”</i></li> <li>• <i>HWG Strategic Plan</i></li> <li>• <i>4<sup>th</sup> APEC High Level Meeting on Health and Economy statements</i></li> </ul>	- Inclusive Growth - Human Security	<i>It will support the efforts of other APEC fora, as LSIF and PPWE. WHO, ASEAN.</i>
<i>HWG 03 2016A Building Capacity in Infection Control and Outbreak Containment to Novel Pathogens in Health Care Setting</i>	It will be held in Singapore from 20 to 24 November 2017 to Conduct training workshop and Post-workshop evaluating and monitoring.	<ul style="list-style-type: none"> <li>• <i>6th APEC High Level Meeting on Health and Economy statements.</i></li> <li>• <i>“The Healthy Asia Pacific 2020 Road Map”</i></li> </ul>	- Inclusive Growth - Human Security	<i>Emergency Preparedness Working Group (EPWG)</i>
<i>HWG 04 2016A Organize International Workshop on Sharing Experience on adaptation to Aging Population</i>	It was held in Hanoi, Vietnam from 17 to 18 July 2017. 200 participants from 15 APEC economies attended.	<ul style="list-style-type: none"> <li>• <i>2008, 2010, 2011 APEC Leader’s Declaration.</i></li> <li>• <i>Aging Population was one of the priorities of funding criteria for all APEC funding projects 2016/2017.</i></li> </ul>	- Inclusive Growth - Human Security	<i>UN organizations (UNFPA, UNDP, WHO, World Bank, ILO, etc.)</i>

## **2017 SCE FORA REPORT: Mining Task Force (MTF)**

**Date: 26 September 2017**

### **Summary**

#### **1. Main progress and achievements of 2017**

The Mining Taskforce continued during 2017 to promote and strengthen the implementation of existing APEC mining commitments, guided by the *10 APEC Mining Policy Principles* initially adopted by the Ministers Responsible for Mining in Perth, Australia in February 2007.

Specific achievements during 2017 include:

In 2017 MTF members have contributed to the implementation of four high quality projects that were approved in 2016 for APEC funding to enhance capacity building in mining and advance the 10 APEC Mining Policy Principles, specifically as follows (see also Section 2 activities):

- Mine Closure and Reclamation Checklist for Governments (Canada)
- Mining Equipment, Technology and Services (METS) Sector Development (Australia)
- Mining Industry Competitiveness: Improving Productivity and Data to Attract Investment (Chile)
- Developing Training Materials to Reduce Mercury Use and Improve Gold Recovery in Artisanal and Small Scale Gold Mining in APEC Economies (USA)

During Project Sessions 1 and 2, 2017, two more high quality projects were approved for funding under APEC Mining Sub-Fund:

- Promoting Inclusive Mining: Consultation Model for dealing with local interests including Indigenous communities and Women (PNG)
- Identify good practices in policies/models for SME mining development (Chile)

Successful MTF11 held as part of the SOM2 suite of meetings (May 2017).

Successful Public-Private Dialogue (PPD) with ABAC held on the margins of MTF11 strengthening an active partnership between Public and Private Mining sector. This has been a permanent activity between MTF delegates and private sector in order to exchange views and common achievements. During this activity also there are international organizations attending actively.

Successful Workshop on Mine Closure and Reclamation Checklist for Governments in the margins of MTF11.

Technical visit to a mine site occurred as the final activity during this MTF period. This activity allowed to Member Economies to learn Vietnamese experiences and share views on mining issues.

Advanced cross-fora collaboration with MTF Chair participation in SCE-COW and on-going coordination to develop a joint agenda with SMEWG and PPWE.

Intergovernmental Forum on Mining Minerals, Metals and Sustainable Development (IGF) was granted three-year Guest Status in MTF.

A Joint Statement of Intent for Cooperation between Asia-Pacific Economic Cooperation Mining Task Force and the Intergovernmental Forum on Mining, Minerals, Metals and Sustainable Development on a Mine Closure Checklist for Governments (MTF 03 2016A) was signed in the margins of MTF 11.

## **2. Recommendations to SCE/SOM**

SCE to note the MTF Annual Fora Report.

### **Section I: Main Outcome of Plenary Meeting**

#### **1. The Eleventh Mining Task Force Meeting**

The 11th meeting of the APEC Mining Taskforce (MTF11) was held in Hanoi, Viet Nam on 10th-11th May 2017, and was chaired by Mr. Rodrigo Urquiza (Chile). Thirteen member economies attended: Australia; Canada; Chile; China; Japan; Malaysia; Papua New Guinea; Peru; Philippines; Chinese Taipei; Thailand; United States and Viet Nam. Representatives of ABAC, IGF, World Bank, CRU Consulting, Austmine Limited, Triple Play Junction Limited, Caterpillar, Teck China, Freeport McMoran Exploration Corp and Masan Resources also attended.

The meeting highlights:

- The MTF members discussed ways to foster the 10 APEC Mining Policy Principles, approved by the Ministers Responsible for Mining in 2007. Representatives of the mining industry provided valuable suggestions on this matter.
- Members discussed advancements in the implementation process of the four projects approved for funding in Session 1 of 2016 and agreed to support the implementation process of funded Concept Notes of Project Sessions 1 and 2, 2017.
- The ABAC representative delivered a report on private sector engagement in MTF activities and introduced ABAC proposed contribution to MRT Declaration.
- Members exchanged information on key mining developments in their respective economies.
- Future MTF activities such as funded concept note during Project Session 1-2017 (Papua New Guinea), presentation of a new concept note for Project Session 2-2017 (Chile) and steps forward regarding the adoption of an Action Plan by July this year were discussed.
- The Fourth Public-Private Dialogue was organized on the margins of the meeting. Participants focused on subjects related to: a) Assessing progress and identifying goals of the APEC Mining Principles. b) Innovation and Mining: How New Technology Could Impact the Industry and Regional Workforce. c) Community Engagement: Communicating the Value of Mining to Targeted Communities and d) Sustainable mining and use of good regulatory practices.
- The Chair on behalf of APEC MTF signed a letter of intent with the Intergovernmental Forum on Mining, Minerals, Metals and Sustainable Development (IGF) on promotion, dissemination and implementation of the Mine Closure Checklist for Governments that will be the main outcome of one of the projects under implementation during 2017.

## **Section II: Progress on Projects and Other Initiatives**

<b>Title</b>	<b>Progress made</b>	<b>Mandate</b>	<b>ECOTECH Priorities</b>	<b>Cross-fora collaboration</b>
Public-Private Dialogue on Mining	Third Public-Private Dialogue focussing on subjects related to: a) Economic Stability and Investment, b) New technologies and Productivity, c) Climate Change and Environment; and d) Community engagement	Support cooperation and information-sharing on mining issues, including with the private sector through ABAC <b>(Ministers Responsible for Mining (MRM 2014))</b>	- <i>Sustainable Growth</i> - <i>Technologies and Innovation</i> - <i>Inclusive Growth</i>	Private Sector (including ABAC)
Developing Training Materials to Reduce Mercury Use and Improve Gold Recovery in Artisanal and Small Scale Gold Mining in APEC Economies (MTF 01 2016A)	Project Approved in Session 1-2016 and implementation progressing.	Encourage all APEC economies to cooperate and to take steps to reduce mercury use and release and to promote knowledge and experience sharing of substitute technology to support sustainable gold processing <b>(Ministers Responsible for Mining (MRM 2014))</b>	- <i>Sustainable Growth</i> - <i>Technologies and Innovation</i> - <i>Inclusive Growth</i>	Private Sector (including ABAC) CIRDI UNEP AGSM Partnership
Mining Industry Competitiveness: Improving Productivity and Data to Attract Investment (MTF 02 2016A)	Project Approved in Session 1-2016 and implementation progressing.	Promote an enabling environment for mining investment <b>(Ministers Responsible for Mining (MRM 2014))</b>	- <i>Inclusive Growth</i> - <i>Regional Economic Integration</i>	Private Sector (including ABAC) PPWE
Mine Closure and Reclamation Checklist for Governments (MTF 03 2016A)	Project Approved in Session 1-2016 and implementation progressing.	The mining industry should accelerate its transformation and upgrading and pursue a modernized development path featuring cooperation, safety, security, efficiency, green technology, and comprehensive development in order to constantly improve the social, environmental, and economic benefits. <b>(Ministers Responsible for Mining (MRM 2014))</b>	- <i>Sustainable Growth</i> - <i>Technologies and Innovation</i> - <i>Inclusive Growth</i>	Private Sector (including ABAC) IGF World Bank OECD
Mining Equipment, Technology and Services (METS) Sector Development (MTF 04 2016A)	Project Approved in Session 1-2016 and implementation progressing.	Promote regional integration, fostering sustainable investment, increasing social responsibility, and innovation and environmental advances in mining and metallurgy. <b>(Ministers Responsible for Mining (MRM 2014))</b>	- <i>Regional Economic Integration</i>	Private Sector (including ABAC) Mining Industry Associations CSIRO
Promoting Inclusive Mining: Consultation Model for	Project Approved in Session 1-2017 and implementation progressing.	Promote regional integration, fostering sustainable investment, increasing social	- <i>Sustainable Growth</i> - <i>Technologies and</i>	Private Sector (including ABAC)

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
dealing with local interests including Indigenous communities and Women (MTF01 2017)		responsibility, and innovation and environmental advances in mining and metallurgy. <b>(Ministers Responsible for Mining (MRM 2014))</b>	<i><b>Innovation</b></i> <i><b>- Inclusive Growth</b></i>	
Identify good practices in policies/models for SME mining development (MTF02 2017)	Project Approved in Session 2-2017 and implementation progressing.	Promote regional integration, fostering sustainable investment, increasing social responsibility, and innovation and environmental advances in mining and metallurgy. <b>(Ministers Responsible for Mining (MRM 2014))</b>	<i><b>- Sustainable Growth</b></i> <i><b>- Technologies and Innovation</b></i> <i><b>- Inclusive Growth</b></i>	Private Sector (including ABAC)

## **2017 SCE FORA REPORT: *Ocean and Fisheries Working Group (OFWG)***

**Date:** 15 September 2017

### **Summary**

#### **1. Main progress and achievements of 2017**

OFWG has progressed 4 APEC-funded projects – 01 2016A; 03 2014A; 02 2016A; 03 2016A; and 01 2017A; and 7 active self-funded projects.

OFWG has held 2 working group meetings and one joint meeting in 2017, OFWG8 (February 2017) and OFWG9 (August 2017 during Food Security Week). In addition, OFWG participated in the first cross fora collaborative Joint Meeting during Food Security Week 2017, which included PPFS, HLPDAB, and ATCWG. Patrick Moran, Lead Shepherd, chaired both OFWG meetings as well as the joint meeting at Food Security Week.

In 2016, APEC Ministers endorsed the Policy and Practice Recommendations on Overcoming Barriers to Financing Waste Management Systems and Reducing Marine Litter and APEC Leaders encouraged further work on this topic in recognition of the socio-economic costs of lack of effective waste management infrastructure in APEC. (OFWG 02 2016S)

A capacity-building workshop was successfully held in Yeosu, Korea, which further highlighted the importance of marine debris prevention and facilitated the sharing of information, knowledge and best practices in the region. (OFWG 01, 2016A)

A capacity-building workshop was held in Tokyo, Japan, which encouraged the sharing of best practices and knowledge regarding the latest marine scientific research and observation in connection with marine policy-making in APEC region. (OFWG 03 2016A)

OFWG took key steps toward updating the APEC Marine Sustainable Development Report, which will contribute to the implementation of UN Sustainable Development Goal 14 on the oceans, seas and marine resources. The first report dates from 2014. (OFWG 01 2017S)

#### **2. Recommendations to SCE/SOM**

None.

### **Section I: Main Outcome of Plenary Meetings**

#### **1. OFWG 8, SOM1, 2017**

OFWG 8 took place in Nha Trang, Vietnam, from 25-27 February 2017. It was chaired by Patrick Moran, OFWG, Lead Shepherd, and attended by 16 Member Economies and one guest from the Rainbowfish Ocean Technology Co.

The meeting held discussions on developments since the OFWG7 meeting, OFWG operations, project updates, APEC center activities, PPFS coordination, four OFWG Strategic Plan priority areas, cross cutting issues and coordinating across fora, and food security and capacity building activities for 2017.

## **2. OFWG 9, SOM3, 2017**

OFWG 9 took place in Can Tho, Vietnam, from 20-22 August 2017. It was chaired by Patrick Moran, OFWG, Lead Shepherd, and attended by 14 Member Economies and two guests from The Nature Conservancy.

The meeting held discussions on developments since the OFWG8 meeting, OFWG operations, updates on APEC-funded and self-funded projects, potential standardization of APEC Center guidelines, four OFWG Strategic Plan priority areas, and efforts to meaningfully engage in the joint meeting/cross fora collaboration.

## **3. Food Security Week Joint Meeting of ATCWG, HLPDAB, OFWG AND PPFS**

On 22 August, 2017, the OFWG participated in the first Food Security Week Joint Meeting, engaging along with PPFS, HLPDAB, and ATCWG.

The meeting participants discussed updates activities in 2017, priorities for 2018, and cross-fora collaboration.

## **Section II: Progress on Projects and Other Initiatives**

<b>Title</b>	<b>Progress made</b>	<b>Mandate</b>	<b>ECOTECH Priorities</b>	<b>Cross-fora collaboration</b>
OFWG 03-2014 – Assessing the Economic Value of Green Infrastructure in Coastal Ecosystems to Disaster Risk Reduction, Response and Coastal Resilience in the APEC region	Completed the first deliverable of project, a Gap Analysis Report, endorsed by the OFWG in February 2017. The second deliverable’s methodology was developed as of July 2017, which consists of a Valuation Study - mapping, site selection, and economic valuation to be completed in October 2017.	Approved Project  OFWG Strategic Plans (2015-2017; 2016-2018)	Sustainable growth  Harnessing technologies, innovation  Capacity Building	EPWG  TWG  TPTWG  EWG  TEL
OFWG 01 2016A - Capacity Building for Marine Debris Prevention and Management in the APEC Region	Phase I of this project completed in 12-18 June, 2017, consisting of 7-days (including 2 days field trip) training in Yeosu, Republic of Korea. Proceeding of training programs are under development.	Approved Project  OFWG Strategic Plan (2016-2018)  2016 Leader’s Declaration (6 <sup>th</sup> paragraph “Towards real and functional connectivity in the region”)  AMM Joint Statement 2016  AMM Joint Ministerial Meeting 2015 (p. 131)  Xiamen Declaration	Food Security  Sustainable growth  Capacity building	CD  APEC Virtual Working Group (VWG) on Marine Debris
OFWG 02 2016 - Development of Tools of Ecological Risk Assessment of Impacts of Climate Change on Fisheries and Aquaculture Resources	A three-day “International Workshop on ecological risk assessment of impacts of climate change on fisheries and aquaculture resources” is planned to explore a range of ecological, socioeconomic and supply-chain vulnerability and risk assessment tools. Planning was advanced by engaging the speakers of the workshop and the dates were fixed for October 2017. The event will take place in the facilities of Ministry of Foreign Affairs in Lima-Peru, by 25-27 October, 2017	Approved Project  OFWG Strategic Plan (2016-2018) Xiamen Declaration  2016 Leader’s Declaration  AMM Joint Statement 2016  AMM Joint Ministerial Meeting 2015  Piura Declaration on Food Security  APEC Program on Food Security and Climate Change	Food Security  Regional economic integration  Sustainable growth  Harnessing technologies, innovation  Capacity Building	PPSTI  ATCWG  PPFS  APEC Climate Center (APCC)
OFWG 03 2016 - APEC Workshop on Marine Science, Technology and Innovation towards Science	This project held a 1 day international workshop and half a day site visit in Japan on 28 June 2017.	Approved Project  OFWG Strategic Plan (2016-2018)	Food security  Sustainable growth	PPFS  PPSTI

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
Based Management and Sustainable Use of Oceans and Marine Resources		<p>AMM Joint Meeting 2016 (Point 2. “Enhancing the Regional Food Market”, last paragraph)</p> <p>2016 Leader`s Declaration (First paragraph, “Food security, climate change and access to water”)</p> <p>2015 Leader`s Declaration (“Building Sustainable and Resilient Communities).</p> <p>AMM Joint Ministerial Meeting 2015 (131. Oceans Cooperation and Blue Economy)</p> <p>Piura Declaration in Food Security</p> <p>APEC Disaster Risk Reduction Framework</p> <p>APEC High Level Policy Dialogue on Food Security and Blue Economy Plan of Action</p>	<p>Harnessing technologies, innovation</p> <p>Capacity building</p>	
OFWG 01 2017S - APEC Marine Sustainable Development Report II	<p>The project is to update <i>APEC Marine Sustainable Development Report</i> on the foundation of Report I and reflect new trends and endeavors of APEC and its member economies in fostering marine sustainable development and achieving the 2030 Agenda for Sustainable Development. A core expert group for drafting the General Report has been formed and a draft outline has been circulated to members of the core expert group for comments. A workshop of the core expert group is planned for 3-4 November 2017 in Xiamen, China to further discuss the structure and content of the General Report.</p>	<p>Approved Project</p> <p>Joint Statement of APEC Ministerial Meeting, 2016</p> <p>4<sup>th</sup> APEC Ocean-related Ministerial Meeting</p> <p>OFWG Strategic Plan (2016-2018)</p>	<p>Sustainable development</p> <p>Blue Economy</p> <p>Food security</p> <p>Harnessing technologies, innovation</p> <p>Capacity building</p>	<p>PPFS</p> <p>PPSTI</p> <p>UNEP, UNDP, UNESCO, FAO, IOC.</p>
2017 Training Workshop on Marine Spatial Planning and Marine Protected Areas Management	<p>Based on the previous five APEC training workshops, the project aims to share spatial planning experiences, knowledge and skills among participants to implement Marine Spatial Planning (MSP) Marine Protected Areas (MPA) Management. The project seeks to provide a platform for discussion of topics under the application of MSP in MPA Management and promote ecosystem-based management in coastal areas to enhance capacity building of Integrated Coastal Management (ICM).The project will be conducted by APEC Marine Sustainable Development Center, who has planned to circulate the workshop notice through the APEC Secretariat in September and conduct the workshop during 20-23, Oct 2017 in Zhoushan City, China. The expected outcomes of the project are to continue enhancing capacity building on MAP and MPA</p>	<p>New Self-funded project</p> <p>OFWG Strategic Plan (2016-2018)</p>	<p>Sustainable development</p> <p>Capacity building</p>	<p>UNEP, UNDP</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
	management and provide a platform to share best practices and knowledge on MSP and MPA management.			
Workshop on Best Practices Sharing on Marine Debris Management in Coastal Cities of APEC Region	This project aims to share the best practice in coastal cities, knowledge and technologies on reducing marine debris in APEC region. We conducted some field survey and public education activities in Xiamen. A workshop on best practices sharing on marine debris management in coastal cities of the APEC region will be held in 4-5 <sup>th</sup> November 2017 in Xiamen, China, to share experiences on management of waste in coastal cities in APEC region and provide recommendations for solving the problem of marine waste in coastal cities. The workshop would send circulation and invite speakers and participants to APEC economies in earlier September.	New self-funded project OFWG Strategic Plan (2016-2018)	Food Security Sustainable development Capacity building	CD APEC Virtual Working Group (VWG) on Marine Debris
Study on the Origin and Distribution of Microplastics in Typical Marine APEC Region	This study aims to investigate the source and distribution of microplastics in typical APEC region, especial in China. Research will conduct from two demention, namely on the spatial scale to investigate where the microplastics come from and go and on the biological scale to investigate how the microplastics transfer through food chain. The implementation of the project will open up a new situation for studying the marine microplastics in China, and provide theoretical and practical background information for the pollution control in China. The research has been presented during OFWG9 for sharing information for all present APEC economies, and is going to proceed other required process for self-funded project in APEC.	New self-funded project OFWG Strategic Plan (2017-2019)	Food Security Sustainable development Capacity building	CD APEC Virtual Working Group (VWG) on Marine Debris
OFWG 01 2016S - The 18 <sup>th</sup> Roundtable Meeting on the Involvement of Business/Private Sector in Sustainability of the Marine Environment	The 18 <sup>th</sup> APEC Roundtable Meeting on the Involvement of the Business/Private Sector in the Sustainability of the Marine Environment will be held in Taipei, Chinese Taipei on October 16-18, 2017.	Approved self-funded project OFWG Strategic Plan (2016-2018)	Sustainable growth	PPFS
Supporting work of APEC Centers of OFWG	Discussed the formulation of potential guidelines to strengthen communication and cooperation among these APEC centers, as well as APEC centers with APEC economies, working groups, and APEC Secretariat. Supported these APEC centers to carry out projects and work.	OFWG Strategic Plan (2016-2018)	Sustainable development Blue Economy Food security Capacity building	PPFS PPSTI UNEP, UNDP, UNESCO, FAO, IOC
OFWG 02 2017S - Developing Public Private Partnerships to Support Waste Management Infrastructure and Reduce Marine Litter	A high-level meeting of APEC officials, international financial institutions, private capital investors, and experts met on September 5, 2017 to discuss methods to accelerate implementation of policy and practice recommendations to APEC economies that were endorsed by APEC Ministers to overcome barriers to financing waste management systems to reduce marine litter in the Asia Pacific. The APEC meeting complemented and	OFWG Strategic Plan (2016-2018)	Sustainable development Capacity building	CD APEC Virtual Working Group (VWG) on Marine Debris

<b>Title</b>	<b>Progress made</b>	<b>Mandate</b>	<b>ECOTECH Priorities</b>	<b>Cross-fora collaboration</b>
	informed the Indonesia and New Zealand hosted East Asia Summit conference on marine plastic pollution that immediately followed the APEC meeting.			

## 2017 SCE FORA REPORT: *Policy Partnership on Science, Technology and Innovation (PPSTI)*

**Date:** September 2017

### Summary

#### 1. Main progress and achievements of 2017

Continuing implementation of recommendations of the 2015 Independent Assessment, PPSTI focused 2017 activities on making PPSTI activities and dialogues more effective to meet APEC goals:

- PPSTI **prioritized 2017 discussions** on (a) natural hazards science, and (b) policies that support strong science, technology, and innovation (STI) ecosystems in the APEC region. These supported Vietnam’s host year priorities and PPSTI’s goals.
- PPSTI **developed science, technology, and innovation (STI) policy recommendations** for APEC members to meet economic goals in the APEC region.
  - PPSTI endorsed a PPSTI policy statement on *best practices for communicating STI to the public* following discussion during an Innovation Policy Sharing Seminar on that topic; and
  - PPSTI projects produced and reported on policy recommendations in PPSTI sub-groups in areas of enabling an environment for scientific research and market-based innovation, facilitating STI capacity building, and promoting regional STI connectivity.
- PPSTI **established closer linkages between PPSTI projects/dialogues and private sector** participation and input.
  - PPSTI endorsed piloting a program inviting “Knowledge Partners” from the private sector and academia to future PPSTI meetings to contribute on specific topics identified by PPSTI;
  - PPSTI endorsed establishing project champions to work with ABAC to enhance ABAC cooperative opportunities in PPSTI projects; and
  - PPSTI sent a representative to the International Association of Science Parks and Areas of Innovation (IASP) meeting.
- PPSTI **worked to improve concept notes** with closer linkages to PPSTI themes, greater connections with other APEC fora such as HRDWG, and enhanced input from the private sector.
  - PPSTI implemented use of a concept note PowerPoint presentation template to ensure that concept notes align with APEC and PPSTI priorities;
  - PPSTI implemented use of PPSTI sub-group PowerPoint readout template to facilitate focused discussion on APEC and PPSTI priorities, policy recommendations, and next steps;
  - PPSTI presented new concept notes and ideas during the Plenary rather than during the sub-groups so all members could comment;
  - PPSTI endorsed piloting a process to have sub-group Chairs and Vice Chairs mentor the champions to refine proposals to then be presented to the PPSTI plenary; and

- PPSTI endorsed establishing a task force to consider the PPSTI concept note review and ranking process.
- **PPSTI awarded the 2017 APEC Science Prize for Innovation, Research, and Education (ASPIRE)** with the theme of “New Materials Technology” to Dr. Yanwu Zhu of China.
- **PPSTI endorsed the Initiative on Fostering International Cooperation Among Innovative Clusters and Areas of APEC Economies** as well as the **Initiative on Achieving greater coherence among APEC economies' policies in the field of forming new technology markets of the future.**
- **PPSTI furthered cross-fora collaboration.**
  - PPSTI continued joint sessions with HRDWG on cross-fora collaboration, including agreement to appoint a cross-fora coordinator for PPSTI-EDNET and to create a virtual space on ACS for PPSTI and EDNET to share information and expertise; and PPSTI endorsed considering the establishment of liaisons to other key PPSTI working groups, for example CSAE, EdNet, HRDWG and Women in the Economy.

## **Section I: Main Outcome of Plenary Meetings**

### **1. PPSTI 9, SOM 1, February 2017**

PPSTI9 met in Nha Trang, Viet Nam on 18-20 February 2017. Sixteen member economies, ABAC, and two guests (APRU and Macao, China) attended the meeting. The sixteen member economies were Australia, Canada, Chile, People’s Republic of China, Hong Kong-China, Indonesia, Republic of Korea, Malaysia, Mexico, Papua New Guinea, the Philippines, Russia, Chinese Taipei, Thailand, United States and Viet Nam,

To address Independent Assessment recommendations, PPSTI 9 endorsed a 2017 PPSTI Work Plan that continued efforts to prioritize areas leading to STI policy development. Particularly, PPSTI aimed to establish closer linkages between PPSTI projects/dialogues and private sector participation and input. PPSTI endorsed:

- establishing project champions to work with ABAC to enhance ABAC cooperative opportunities in PPSTI projects;
- piloting a program to send representatives to the International Association of Science Parks and Areas of Innovation (IASP) meetings; and
- piloting a program inviting “Knowledge Partners” from the private sector and academia to future PPSTI meetings to contribute on specific topics identified by PPSTI.

At PPSTI9, members also started a process to improve concept notes and better align concept notes with APEC-wide and PPSTI priority themes. This included:

- endorsing piloting a process to have sub-group Chairs and Vice Chairs mentor project champions;
- presenting new concept notes and ideas during the Plenary rather than during the sub-groups so all members could comment; and
- considering the establishment of liaisons to other key PPSTI working groups.

Additionally, PPSTI9 held an Innovation Policy Sharing Seminar in which multiple economies presented on how economies facilitate STI communication with the public.

## **2. PPSTI 10, SOM 2, May 2017**

The 10th APEC Policy Partnership on Science, Technology and Innovation (PPSTI) met in Ha Noi, Viet Nam on 11-13 May 2017. Fifteen member economies (Australia, Canada, Chile, People's Republic of China, Hong Kong-China, Indonesia, Republic of Korea, Malaysia, Papua New Guinea, the Philippines, Russia, Chinese Taipei, Thailand, United States and Viet Nam), ABAC, and one guest (Macao, China) attended the meeting.

In support of PPSTI 2017 themes, PPSTI discussed potential projects for the upcoming session, how to better engage the private sector, agreed to a statement on communicating science, and held a forum on building partnerships for innovative science communication. In addition, the group discussed how to update the PPSTI project ranking/review process to improve PPSTI project success rates and align with upcoming changes to the APEC Budget and Management Committee project review process.

PPSTI endorsed nominees for sub-group Chairs and Vice-Chairs, and is considering a second conference on PPSTI Centers and Long term Mechanisms in 2018 hosted by China to continue to enhance coherence and synergy with PPSTI.

Additionally, PPSTI convened a joint session with the Human Resources Development Working Group Education Network to explore areas of mutual interest and identify potential future collaboration. Side events included the APEC Research & Technology (ART) program on the theme APEC Climate STI Platform: Policy Recommendations for SDGs. and a Women-in-STEM workshop on the theme Building and Maintaining a Pipeline for Women and Girls.

**Section II: Progress on Projects and Other Initiatives**

Title	Progress	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>ANNUAL ACTIVITIES</b>				
APEC Mentoring Center for the Gifted in Science	March 2017. Publishing the APEC Youth Scientist Journal.	Annual PPSTI Activity	- ECOTECH Priority: Technologies and Innovation - Host Year Priority: Fostering Sustainable, Innovative, and Inclusive Growth	
APEC Typhoon Symposium 2017 (APEC Center for Typhoon and Society)	May 2-4, 2017. Location: Taipei, Chinese Taipei.	Annual PPSTI activity	- ECOTECH Priority: Technologies and Innovation - Host Year Priority: Enhancing Food Security and Sustainable Agriculture in Response to Climate Change	
APEC Research & Technology (ART) Program 2017	May 12 and 15, 2017. Location: Hanoi, Vietnam  Theme: <i>APEC Climate STI Platform: Policy Recommendations for SDGs.</i>	Annual PPSTI activity	- ECOTECH Priority: Technologies and Innovation - Host Year Priority: Fostering Sustainable, Innovative, and Inclusive Growth	
APEC Science Prize for Innovation, Research, and Education (ASPIRE)	May 12, 2017. A \$25,000 prize was awarded to this year's ASPIRE winner at PPSTI10. The 2017 ASPIRE theme "New Material Technologies" was chosen by the APEC host Vietnam, and will guide nominations for this year's prize. ASPIRE promotes collaboration, innovation, entrepreneurship, and excellence among young scientists in	Annual PPSTI activity	- ECOTECH Priority: Technologies and Innovation - Host Year Priority:	

	the APEC region, and highlights the importance of cross-border research in APEC.		Fostering Sustainable, Innovative, and Inclusive Growth	
APEC Climate Symposium 2017 (APEC Climate Center)	During APEC Food Security Week, August 2017. Location: Can Tho, Vietnam  Theme: <i>Building Resilient Agro-Food Systems from Production to Consumption: Interdisciplinary Approaches for Sustainable Food Security Using Climate Information</i>	Annual PPSTI activity	- ECOTECH Priority: Technologies and Innovation - Host Year Priority: Enhancing Food Security and Sustainable Agriculture in Response to Climate Change	ATCWG, PPFS
APEC Young Scientist Training Program (Asia Pacific Center for Theoretical Physics)	Ongoing	Annual PPSTI Activity	- ECOTECH Priority: Technologies and Innovation - Host Year Priority: Fostering Sustainable, Innovative, and Inclusive Growth	

#### 2017 PPSTI PROJECTS/INITIATIVES (INCLUDING UPCOMING)

Title	Progress	Mandate	ECOTECH Priorities	Cross-fora collaboration
APEC Training Workshop on Solar Cells and LED Measurement Standards and Technologies (self-funded)	March 27-31, 2017. Location: China. A three-day APEC Training Workshop on Solar Cells and LED Standards and Technologies was successfully held from March 28-30, 2017 at NIM's Changping campus, co-organized by NIM and NIST and funded by the APEC Cooperation Fund of China, answering to action plans of the APEC Workshop on Measurements Challenges for Renewable Energy and Climate Science held at NIM during the APMP 2015 where challenges on measurements for solar cells and LED were identified as having highest priority.  31 participants from 14 APEC and APMP member economies including Bangladesh, Cambodia, Chile, India, Indonesia, Malaysia, Mexico,	Endorsed by PPSTI in 2017	- ECOTECH Priority: Technologies and Innovation - Host Year Priority: Enhancing Food Security and Sustainable Agriculture in Response to Climate Change	

	<p>Mongolia, Nepal, Pakistan, Peru, Russia, Sri Lanka, and Vietnam, have attended the workshop fully funded by the APEC Cooperation Fund of China. Another 30 Chinese participants from local metrology institutes joined the workshop self-funded.</p> <p>The topics of Concepts and Fundamentals of Photometry, Colorimetry and Color Quality of Solid State Lighting Sources, Test Methods for LED Lighting Products, and Uncertainty and Evaluation for LEDs were discussed on the first day. The second day was dedicated to solar cells with the topics of Traceability System (SI) of Solar Cell Measurements, Reference Solar Cell Measurements and Uncertainty Analysis, Calibration Principles in IEC Standards, Photovoltaic Module Measurements and Uncertainty Analysis. The third day was dedicated for the participants to visit 4 laboratories for measurement demonstrations.</p> <p>This workshop marked the third APEC project hosted by NIM. It is part of NIM's commitments to helping developing NMIs in the region establishing and improving measurement technical infrastructures in key areas. The workshop is also of great significance to building friendship and communications among participating NMIs and experts.</p>			
APEC Women in STEM Workshop: Building and Maintaining a Pipeline for Women and Girls (self funded)	May 14-15, 2017. Location: Hanoi, Vietnam	Endorsed by PPSTI in 2017	<ul style="list-style-type: none"> <li>- ECOTECH Priority: Technologies and Innovation</li> <li>- Host Year Priority: Fostering Sustainable, Innovative, and Inclusive Growth</li> </ul>	PPWE
Workshop on Vocational Education Linkage with Labor Market (PPSTI 04 2017S)	August 2017.		<ul style="list-style-type: none"> <li>- ECOTECH Priority: Technologies and Innovation</li> <li>- Host Year Priority: Fostering Sustainable, Innovative, and Inclusive Growth</li> </ul>	

Symposium & Exhibition: APEC Internet of Vehicles (IOV) - Phase 3, Training Program based on APEC Connectivity Blueprint and Strategic Blueprint on Global Value Chains (PPSTI 02/2016)	September 14-16, 2017. Location: Shanghai, China Phase 3 took place in JiaDing Shanghai China 14-16 September 2017, more than 300 participants at the Symposium and 20000 visitors at the EXPO. The anticipated outcomes include “APEC JiaDing Declaration on Internet of Vehicles”, the “3 <sup>rd</sup> version of White Paper” and the “Think Tank” policy publications on Science Technology and Innovation in IOV field. The current progress: project is of great interests to APEC members, such as PNG, Thailand, etc. consider organizing the next event in their own economy.	Endorsed by PPSTI in 2016	- ECOTECH Priority: Technologies and Innovation - Host Year Priority: Fostering Sustainable, Innovative, and Inclusive Growth	TPTWG, SCSC, AD, TELWG ITS-WC and ITF-OECD
Foster International Technology Transfer (ITT) Professionals for the APEC STI Cooperation and Connectivity (APEC funded: PPSTI 01 2017A)	Workshop: Feb, 2017. Location: Shenzhen, China. 29 delegates from 14 economies  Workshop II: July, 2017. Location: Chengdu, China 19 delegates from 15 economies  Seminar: September 21-22, 2017. Location: Xian, China 17 APEC delegates from 13 economies  Press Conference: Jan-Feb, 2018. Location: BNG  Output: Manual of APEC Cross-border Technology Transfer A reference for cross-border technology transferors to build their capacity collaborating in the region, as well as main parts of knowledge system and policy recommendation. Will be published on particular website and keep updating.	Endorsed by PPSTI in 2017	- ECOTECH Priority: Technologies and Innovation - Host Year Priority: Fostering Sustainable, Innovative, and Inclusive Growth	
APEC Symposium on Policy and System for Promoting Micro, Small, and Medium Enterprises (MSMEs) Modernization toward Industry 4.0 (PPSTI 04/2016A)	September 22-25, 2017. Location: Hangzhou, China	Endorsed by PPSTI in 2016	- ECOTECH Priority: Technologies and Innovation - Host Year Priority: Strengthening MSMEs’ Competitiveness and Innovation in the Digital Age	

Simple Human Resources to Symbiotic Green Makers – An Education Platform for STI to SMEs (PPSTI 02/2015S)	September, 2017. Location: Chinese Taipei	Endorsed by PPSTI in 2016	<ul style="list-style-type: none"> <li>- ECOTECH Priority: Technologies and Innovation</li> <li>- Host Year Priority: Strengthening MSMEs' Competitiveness and Innovation in the Digital Age</li> </ul>	
Forum and Workshop: SMEs Cluster Development through STI and Supplier Value Chain Integration (PPSTI 03/2016A)	Date: October 17-19, 2017. Location: Kaohsiung/Tainan, Chinese Taipei	Endorsed by PPSTI in 2016	<ul style="list-style-type: none"> <li>- ECOTECH Priority: Technologies and Innovation</li> <li>- Host Year Priority: Strengthening MSMEs' Competitiveness and Innovation in the Digital Age</li> </ul>	
Workshop - Knowledge Transfer Best practices between APEC Economies (PPSTI 05/2016)	May 2018. Location: Peru	Endorsed by PPSTI in 2016	<ul style="list-style-type: none"> <li>- ECOTECH Priority: Technologies and Innovation</li> <li>- Host Year Priority: Fostering Sustainable, Innovative, and Inclusive Growth</li> </ul>	
Workshop on impact assessment and monitoring of Science, Technology and Innovation Policies (PPSTI 12/2015S)		Endorsed by PPSTI in 2015	<ul style="list-style-type: none"> <li>- ECOTECH Priority: Technologies and Innovation</li> <li>- Host Year Priority: Fostering Sustainable, Innovative, and Inclusive Growth</li> </ul>	
The Co-establishment of an Online Service Platform for Collaborative		Endorsed by PPSTI in 2015	<ul style="list-style-type: none"> <li>- ECOTECH Priority: Technologies and Innovation</li> <li>- Sustainable Growth</li> </ul>	SMEWG

Innovation of SMEs in APEC Member Economies (PPSTI 08/2015S)			<ul style="list-style-type: none"> <li>- Inclusive Growth</li> <li>- Host Year Priority: Strengthening MSMEs' Competitiveness and Innovation in the Digital Age</li> </ul>	
Promoting Commercialization and Investments for Science and Technology Products and Developing Potential Technology in the APEC Region (PPSTI 11/2015S)		Endorsed by PPSTI in 2015	<ul style="list-style-type: none"> <li>- ECOTECH Priority: Technologies and Innovation</li> <li>- Sustainable Growth</li> <li>- Host Year Priority: Fostering Sustainable, Innovative, and Inclusive Growth</li> </ul>	
APEC Training on Health and Medical Big Data Innovation ( self-funded)	<p>Date: April, 2018. Location: Xiamen, China</p> <p>Theme: Facilitating Health and Medical Big Data Utilization to create a new growth dynamism and a more harmonious and effective health care system in APEC region</p> <p>Purpose: To deeply discuss policy recommendations and talent cultivation strategy to promote Health and Medical Big Data innovation and commercialization</p>	Endorsed by PPSTI in 2017	<ul style="list-style-type: none"> <li>- ECOTECH Priority: Technologies and Innovation</li> <li>- Host Year Priority: Fostering Sustainable, Innovative, and Inclusive Growth</li> </ul>	
APEC Workshop on Cross Border Mobility of Entrepreneurial Mentors to Promote Capacity Building of STI MSMEs. (self funded)	<p>January 2018. Location: Xian, China.</p> <p>Introduction: The project aims to define and study entrepreneurial mentors from perspective of connectivity of people, information and policies, to identify policies recommendations for enhancing link of STI start-ups to industrial experience and knowledge, and to improve STI MSMEs' capacity building for cross boarder business.</p> <p>Time: January 2018. Location: Xian, China.</p> <p>Progress: The workshop will be held in Xi'an lasting for three days, including speeches pf best practices sharing, international project show,</p>	<p>Endorsed by PPSTI in 2017.</p> <p>The overall objectives of this proposed project is to accelerate S&amp;T knowledge sharing to strengthen regional connectivity as an enabler for innovation coinciding with the agreed priority of PPSTI Strategic Plan (2016-2025). Furthermore, this proposed project strongly supports PPSTI's annual priority on policies that supports strong STI</p>	<ul style="list-style-type: none"> <li>- ECOTECH Priority: Technologies and Innovation</li> <li>- Host Year Priority: Strengthening MSMEs' Competitiveness and Innovation in the Digital Age</li> </ul>	

	<p>mentors coaching activity and on-site visit. Current effort is made in promoting events to APEC economies, inviting speakers and participants, and negotiating with associate partners. Up till now, 50 MSMEs have applied to participate in the workshop and 10 experts of entrepreneurship supporting industry from 5 economies has expected intention to make keynote speech. And Asian Association of Business Incubation has agreed to be our partner for the implementation of the project.</p> <p>Expected Achievements: 1) The workshop is expected to provide a platform for stakeholders and beneficiaries to communicate and collaborate. 2) A set of policy recommendations regarding how to improve the cross border mobility and exchange of skilled people, information and policies will be submitted. 3) Digital Handbook of the working mechanism of entrepreneurial mentorship will be developed to summarize the event's outcomes.</p>	Ecosystem.		
APEC Study on Innovative Mining Industry for Sustainable Growth (APEC funded)	Aug.2018-Oct. 2018. Location: Sichuan, China. Project reports, including a list of technology and policy best practices will be developed, with above mentioned policy recommendations as annex.		- ECOTECH Priority: Technologies and Innovation - Host Year Priority: Fostering Sustainable, Innovative, and Inclusive Growth	
Building Asia-Pacific Standards Dosimetry Laboratories capabilities toward regional sustainable network (self-funded, under PPSTI endorsement consideration)	2018		- ECOTECH Priority: Technologies and Innovation - Host Year Priority: Fostering Sustainable, Innovative, and Inclusive Growth	
Initiative on Fostering International Cooperation Among Innovative Clusters and Areas of APEC Economies	<p>Ongoing</p> <p>The initiative aims to facilitate APEC discussion on comprehensive development of innovative clusters and strengthen inter-cluster cooperation in the APEC region. Its ultimate goal is to develop a Blueprint on international cluster collaboration across APEC economies in 2018 and set up a cluster collaboration platform “<b>PEC</b> - platform for</p>	<p>Endorsed by PPSTI in 2017</p> <p>The initiative reflects the priorities of APEC Accord on Innovative Development, Economic Reform and Growth</p>	- ECOTECH Priority: Technologies and Innovation - Host Year Priority: Fostering Sustainable, Innovative, and Inclusive Growth	SMEWG, IPEG, ABAC, HRDWG, TELWG, IEG.

	<p>the economies' clusters" in 2019</p> <p>As the initial step, a roundtable on APEC cluster collaboration opportunities is going to be held in the near future (end of 2017 – beginning of 2018).</p>	as well as PPSTI Strategic Plan for 2016-2025		
<p>Initiative on Achieving greater coherence among APEC economies' policies in the field of forming new technology markets of the future</p>	<p>Ongoing</p> <p>The initiative seeks to promote exchange of ideas and experience among APEC economies in planning and laying foundations for new technology markets and create mechanisms for achieving greater coherence among APEC economies' policies for such markets.</p> <p>It will result in the development of the APEC Program for Agreed Forming and Development of New technology Markets in 2018 and introduction of APEC Technology Communication Network and Cloud Platform (APEC TCNCP) in 2019.</p> <p>As the initial step, a workshop on new technology markets on the APEC region is going to be held in the near future (end of 2017 – beginning of 2018)</p>	<p>Endorsed by PPSTI in 2017</p> <p>The initiative reflects the priorities of APEC Accord on Innovative Development, Economic Reform and Growth as well as PPSTI Strategic Plan for 2016-2025. The initiative also contributes to PPSTI priorities in 2017 by helping to promote stronger STI ecosystems in APEC region.</p>	<p>- ECOTECH Priority: Technologies and Innovation</p> <p>- Host Year Priority: Fostering Sustainable, Innovative, and Inclusive Growth</p>	<p>ABAC, EWG, HWG, SMEWG, LSIF etc.</p>
<p>Industrial innovation Outlook (PPSTI 03 2017S) (APEC Center for Technology Foresight)</p>	<p>Ongoing</p>		<p>- ECOTECH Priority: Technologies and Innovation</p> <p>- Host Year Priority: Fostering Sustainable, Innovative, and Inclusive Growth</p>	
<p>Building Regional Ocean and Land Observation Systems to Safeguard APEC Resources and Communities</p>	<p>1 July 2015- 30 June 2017. Location: Australia</p> <p>During 2017, a draft 10-Year Action Plan was developed to build an APEC Regional Value Chain in Earth and Marine Observing System, based on the needs of end users (government and industry), based on the findings of the 2016 project pathfinder workshop held in Canberra, Australia.</p> <p>The Action Plan includes a Collaborative Framework for cooperation across APEC, a list of Targeted Priority Actions, and prioritised list of earth observing needs to address identified APEC Regional Challenges (water and food security; coastal health and livelihoods; coastal</p>	<p>Endorsed by PPSTI in 2015.</p>	<p>- ECOTECH Priority: Technologies and Innovation</p> <p>- Host Year Priority: Enhancing Food Security and Sustainable Agriculture in Response to Climate Change</p>	<p>PPSTI; OFWG; EPWG; ATC; FSPP; ABAC; CSAE</p> <p>UN (Sustainable Development Goals)</p> <p>Sendai</p>

	<p>hazards).</p> <p>The workshop was attended by 45 representatives across 14 APEC economies, spanning government, industry and research sectors, including Australia; Canada; Chile; Indonesia; Japan; Malaysia; New Zealand; The Philippines; Singapore; Papua New Guinea; the Peoples' Republic of China; The United States and Vietnam. Key project documentation is available via <a href="http://www.earthmarineobserving.org.au">www.earthmarineobserving.org.au</a></p> <p>The next phase of the initiative will involve communicating project outcomes, obtaining high level support for the developed Action Plan and sourcing support to undertake activities outlined in the Action Plan.</p>			<p>Framework for Disaster Risk Reduction</p> <p>G7 Science and Technology Ministers meeting</p>
The STI contribution to policy making on natural disaster resilience: better STI, better resilience, better competitiveness (approved in-principle by BMC, 2017 Session 2)				
Workshop on the Development of Best Practices for Domestic Innovation Systems and Networks (approved in-principle by BMC, 2017 Session 2)				
Workshop on high growth innovative firms (HGIFs) acceleration (approved in-principle by BMC, 2017 Session 2)	<p>Currently, the project is at the project proposal preparation stage.</p> <p>If approved, the workshop will be held in May 2018 in Russia.</p> <p>The workshop will enable public and private participants and stakeholders to (1) develop high-tech innovative entrepreneurship, (2) share the best practices on the formation of HGIFs support systems, (3) empower HGIF to enter APEC markets, (4) promote cooperation among HGIF, (5) improve business environment for innovative companies.</p>	<p>Endorsed by PPSTI in 2017</p> <p>The project supports the priorities of APEC Accord on Innovative Development, Economic Reform and Growth and PPSTI Strategic Plan 2016-2015</p>	<p>- ECOTECH Priorities: Strengthening the dynamism of SMEs, Technologies and Innovation.</p> <p>- Host Year Priorities: Fostering Sustainable,</p>	<p>SMEWG, ABAC, IPEG, TELWG</p>

			Innovative, and Inclusive Growth; MSMEs Competitiveness and Innovation	
ACABT-Smart Power Management for Self-Sustained Green Community in APEC Region (approved in-principle by BMC, 2017 Session 2)				
Policy Dialogue on Fuel Economy Platform (approved in-principle by BMC, 2017 Session 2)				

## **2017 SCE FORA REPORT: *Policy Partnership on Women and the Economy (PPWE)***

**Date:** 11 September 2017

### **Summary**

#### **1. Main progress and achievements of 2017**

During the reporting report (from September 2016 to August 2017), there has been significant progress in PPWE projects

- 1 PPWE APEC-Funded Project was completed: PPWE 01/2015A Successful cases of women-owned SMEs in foreign trade
- 4 PPWE Self-funded Projects and Initiatives were completed: PPWE 01 2016S Implementation of the APEC Dashboard: Increasing STEM Education; PPWE 02 2016S Good Practices on Gender Diversity in Corporate Leadership for Growth; PPWE 03 2016S Next Steps for Women's Entrepreneurship in APEC (WE-APEC), Phase 2); APEC BEST Awards 2016.
- 2 PPWE APEC-funded Projects commenced
- 6 PPWE Self-funded Projects and Initiatives commenced
- 5 PPWE Publications were published on the APEC website
- 2 PPWE Project and Initiative workshops were held: International Consultation Workshop on APEC Gender Inclusion Guidelines in 10 August, 2017 in Ha Noi, Viet Nam; Increasing STEM Education in Peru.

During the reporting period, the 1<sup>st</sup> PPWE plenary meeting was held in May 2017 during SOM II. It is expected that in September 2017, the APEC Women and the Economy Forum (WEF) including one Ministerial-level event (High Level Policy Dialogue), one Public – Private Dialogue, 2<sup>nd</sup> PPWE Plenary Meeting, and one PPWE Management Council Meeting will be held.

At the margin of the WEF, there would be 6 side-events initiated by 6 member economies: “Unlocking potential, creating style – APEC GIFTS for Women in the creative industry” Workshop (Chinese Taipei), Public Private Dialogue on Individual Action Plan for the Enhancement of the Ratio of Women’s Representation in Leadership (Japan), The 2017 Workshop on APEC Women Entrepreneurs in the 4th Industrial Revolution (Korea), APEC Seminar on Women as Prime Movers of Inclusive Business Project (the Philippines), APEC BEST Award 2017 (Russia), 2017 APEC Women in Transportation Forum (United States).

#### **2. Recommendations to SCE/SOM**

SCE are requested to note this report.

SCE and SOM are requested to note the work underway on the APEC Gender Inclusion Guidelines (GIG). The PPWE Chair would welcome the opportunity to present the GIG in due course to SCE and participate in any related SCE/SOM discussions.

The decision of SCE during 2016 to explicitly integrate gender into the SCE Fora workplan templates for 2017 was an important development for gender inclusion during 2017. It is recommended to SCE and SOM that they also consider explicitly integrating gender related guidance into the various Annual Reporting formats for APEC Fora to encourage reporting on gender related activities and achievements in these important reports across APEC. This would be consistent with instructions from APEC Ministers, including in 2016 ‘We encourage more extensive collaboration and mainstreaming of gender equality and women’s economic

empowerment across APEC working groups and fora, considering its nature as a cross-cutting issue' (AMM).

## **Section I: Main Outcome of Plenary Meetings**

### **First PPWE Meeting**

The first Meeting of the Policy Partnership on Women and the Economy (PPWE 1) took place in Ha Noi, Viet Nam on 9 – 10 May 2017 during the sidelines of the 2<sup>nd</sup> Senior Officials' Meeting and Related Meetings (SOM 2). The PPWE 1 Meeting was chaired by the 2017 PPWE Chair, Md. Hoang Thi Thu Huyen, Deputy Director General of Gender Equality Department of the Ministry of Labour, Invalids and Social Affairs of Viet Nam. There were 15 economies represented in the Meeting, but the following economies had no representatives: Brunei Darussalam; Canada; Hong Kong, China; Mexico; New Zealand; and Peru.

The 1<sup>st</sup> PPWE Meeting decided:

- To adopt 2017 PPWE Work Plan
- To update the PPWE Strategic Plan 2015 – 2018
- To promote stronger collaboration between PPWE and all APEC working groups and fora
- To revise and update data, information and indicators in the Dashboard, and finalize its 2017 report before the Women and the Economy Forum.
- To review the Independent Assessment Recommendations, and develop responses for consideration by the PPWE.
- To develop the Women and the Economy Forum Statement, which reflects the theme of 2017 APEC WEF (*Enhancing Women's Inclusion and Economic Empowerment in the Changing World*) and its three priorities (*Promoting gender equality for sustainable, innovative, and inclusive growth; enhancing the competitiveness and innovation of women-owned MSMEs; narrowing the gender gap in human resources development*).
- US and Chinese Taipei draft a TOR for the Women and the Economy Sub-Fund, and seek PPWE's formal endorsement of the Sub-fund and its TOR.
- Viet Nam will draft the APEC Gender Inclusion Guidelines and seek the Members' approval at the Women and the Economy Forum in September.

**Section II: Progress on Projects and Other Initiatives**

<b>Title</b>	<b>Progress made</b>	<b>Mandate</b>	<b>ECOTECH Priorities</b>	<b>Cross-fora collaboration</b>
PPWE 01 2016 Individual Action Plan for the Enhancement of the Ratio of Women's Representation in Leadership (Mid-term Review Study and Public-Private Dialogue)	<ul style="list-style-type: none"> <li>- The project has been conducting various studies to find out good practices on the policies, as well as actions taken by both public and private sectors for promoting women's representation in leadership.</li> <li>- A public-private dialogue will be held on the sidelines of the WEF 2017 to present the outcomes of the study, as well as to share each economy's own experiences and knowledge.</li> </ul> Preparation work for the public – private dialogue is already well underway.	<ul style="list-style-type: none"> <li>- To improve women's participation into leadership and decision-making process within each economy.</li> <li>- In response to 2014 and 2015 APEC Leader's Declaration, 2015, 2016 and 2017 APEC Ministerial Meeting Statement and APEC 2014, 2015 and 2016 WEF Statements that reaffirmed the importance of promoting women's representation in leadership, and the APEC Leaders Statement in 2016 on recognising the women's vital contribution to economic and social development and promoting women's career development</li> <li>- Contributes to the PPWE Strategic Plan 2015-2018 by promoting the pillar on Leadership, Voice and Agency"</li> <li>- Supportive to the main theme of 2017 APEC</li> </ul>	<ul style="list-style-type: none"> <li>- Human Capital Development</li> <li>- SME's</li> <li>- Inclusive Growth</li> </ul>	In collaboration with HRDWG

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
		Women and the Economy Forum.		
PPWE 02 2016 Women as Prime Movers of Inclusive Business	<p>- A survey was conducted to ompile success stories and best practices of interested member economies who are involved and actively promoting women’s participation in inclusive businesses.</p> <p>- Seminar on Women as Prime Movers of Inclusive Business will be held at the margin of the WEF in September 2017 to discuss the findings, analyses, and recommendations of the research study on APEC Women as Prime Movers of Inclusive Business; to serve as the avenue for case presentations on the current realities and future directions by invited resource persons from the APEC member economies; to draw learnings and insights from the reports, viewpoints, perspectives and experiences brought by multi-stakeholders, and harness these ideas for possible replication / application across APEC member economies.</p> <p>Preparation work for the public – private dialogue is already well underway</p>	<p>- In response to APEC Women and the Economy 2015 Fora theme “<i>Women as Prime Movers of Inclusive Growth</i>”, and aligned to the APEC WEF 2016 and 2017 theme and sub-themes; and</p> <p>- Supportive to the implementation of the APEC PPWE Strategic Plan for 2015-2018, the Boracay Action Agenda to Globalize micro, small and medium enterprises (MSMEs).</p>	<p>- Human Capital Development</p> <p>- SMEs</p> <p>- Inclusive Growth</p>	In coordination with IEG
PPWE 03 2016 Towards the Construction of Public-Private Strategies to Reduce the Cost if Gender-based violence in APEC Economies	A study is being conducted to gather information on best practices to prevent violence against women (VAW), as well as methodologies used to measure economic costs of VAW.	<p>- Supportive to the APEC PPWE Strategic Plan 2015-2018.</p> <p>- Aligned to 2016 APEC Women and the Economy Statement.</p>	<p>- Human Capital Development</p> <p>- Inclusive Growth</p> <p>- Regional Economic Integration</p>	In coordinate with HRDWG and HWG

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
		<p>- In response to the main theme of the 2016 APEC WE Forum” and subtheme “Costs of gender-based violence in the context of economic development”.</p> <p>- Supportive to the main theme of 2017 APEC Women and the Economy Forum. APEC Leaders Statement in 2016 on recognising the women’s vital contribution to economic and social development and addressing health-related barriers to women’s economic participation.</p>		
<p>HRD 05 2016A – Healthy Women, Healthy Economies Leadership Conference: Enhancing Women’s Economic Participation by Improving Women’s Health</p> <p><i>*cross-fora collaboration</i></p>	<p><i>APEC “Healthy Women, Healthy Economies” Workshop: Sharing Implementation Experiences</i> was held in May in Ha Noi, Viet Nam on the margins of the Human Resources Development Working Group Plenary Meeting at the second Senior Officials’ Meeting. Governments and companies shared impact data and best practices, and discuss lessons learned at the domestic and firm level for reforming and expanding existing programs and policies.</p>	<p>- Aligned with PPWE Strategic Plan 2015-2018 and the 2015-2016 Women and the Economic Forum Statement.</p> <p>- APEC Leaders Statement in 2016 on recognising the women’s vital contribution to economic and social development and addressing health-related barriers to women’s</p>	<p>- Human Capital Development - Inclusive Growth - Regional Economic Integration</p>	<p>HRDWG in collaboration with HWG and PPWE</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
		economic participation.		
The Second APEC BEST Award (contest for women-entrepreneurs across the APEC region)	Russia and Viet Nam are in the final stage of preparations to the second APEC BEST Award, which will take place in September on the margins of the 2017 APEC Women and the Economy Forum. Lists of candidates have been submitted. A jury panel is being set up. Launched in 2016, APEC BEST Award seeks to raise women’s awareness on benefits of self-employment and help women-entrepreneurs to internationalize their businesses, attract international partners and potential investors from the APEC economies.	<p>- Supportive to the APEC PPWE Strategic Plan 2015-2018.</p> <p>Supportive to the main theme of 2017 APEC Women and the Economy Forum.</p> <p>APEC Leaders Statement in 2016 on recognising the women’s vital contribution to economic and social development and supporting women’s entrepreneurship.</p>	- SMEs	
PPWE 01 2017A Women’s Economic Empowerment in ICT: Capacity Building for APEC Women Entrepreneur in the Age of the 4 <sup>th</sup> Industrial Revolution	Success stories of women entrepreneurs who have successfully run ICT/smart technology-based businesses have been collected. In September, a workshop will be held on the margins of the WEF to share the success stories	<p>- Supportive to the main theme of 2017 APEC Women and the Economy Forum.</p> <p>- Supportive to the APEC PPWE Strategic Plan for 2015-2018, and APEC Leaders Statement in 2016 on recognising the women’s vital contribution to economic and social development and supporting women’s entrepreneurship.</p>	<p>- Human Capital Development</p> <p>- SME’s</p>	- MSME
PPWE 04 2017S	A workshop entitled ‘APEC GIFTS: Promoting Women and Girls’	- Responding to 2017	- Human Capital	- HRDWG

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
APEC Gendered Innovation for Technology and Science (GIFTS): Promoting Women in STEM for Sustainable Growth	Participation in STEM' will be held on October 24 – 27, 2017 in Taipei, Chinese Taipei.	APEC Priority: “Fostering Sustainable, Innovative and Inclusive Growth” and 2016 APEC Leaders’ Declaration APEC Leaders Statement in 2016 on recognising the women’s vital contribution to economic and social development and strengthening women and girls’ access to STEM education and careers.	Development	
PPWE 03 2017S APEC Gendered Innovation for Technology and Science (GIFTS) for Women in the Creative industry	Chinese Taipei is preparing for the workshop “Unlocking potential, creating style - APEC GIFTS for Women in the creative industry”, which will be held on the margins of the WEF in September in Viet Nam. The workshop aims to disseminate ideas and best practices that support talented women in the cultural and creative industry through innovation systems and vocational training, promote relationships between the public and private sectors, and improve the competitiveness of APEC economies through strengthening the entrepreneurial and technical skills of women taking part in economic activities	- Responding to APEC's theme for 2017 with the priority "promoting sustainable, innovative and inclusive growth	- Human Capital Development	- PPSTI
PPWE 02 2017 Diversity Management for Women’s Empowerment	A contractor has been engaged under this project and an international Workshop entitled ‘APEC Top Management Forum on Diversity Management for Women’s Empowerment’ will be held 18 October 2017 in Tokyo, Japan.	- APEC 2016 WEF Statement	- Human Capital Development	- ABAC
PPWE 02 2017S Capacity Development in Gender Mainstreaming in APEC	Viet Nam has drafted the zero draft Gender Inclusion Guidelines and organized an International Consultation Worskhop was conducted in August in Viet Nam with the participation of some APEC members to collect comments and inputs from into the zero draft Guidelines. Based on that, the	- APEC 2016 WEF Statement; APEC 2016 Leaders Declaration committing to strengthen our efforts to support the	- Human Capital Development	

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
Fora	zero draft Guidelines has been revised and circulated to the members as the first draft for their further comments and suggestions. After consolidating it will be tabled at the 2 <sup>nd</sup> PPWE Meeting for final discussion.	mainstreaming of gender equality and women's empowerment across APEC's work.		
Women's Entrepreneurship in APEC (WE-APEC)	WE-APEC connects business networks, the private sector and government services in the Asia-Pacific to support women entrepreneurs. This online platform is available at <a href="http://www.we-apec.com/">http://www.we-apec.com/</a>	- APEC 2016 WEF Statement; APEC Leaders Statement in 2016 on recognising the women's vital contribution to economic and social development and supporting women's entrepreneurship.	- Human Capital Development	
Women in Science, Technology, Engineering, and Math (STEM)	The <i>APEC Women in STEM Workshop: Building and Maintaining a Pipeline for Women and Girls</i> was held in May in Ha Noi, Viet Nam on the margins of the Second Senior Officials Meeting (SOM2). The workshop provided an opportunity for economies to continue building out the strong regional network of players in the Women in STEM arena, shared emerging and promising practices from the region, and provided an opportunity for APEC to determine an implementation plan for the framework moving forward.	- APEC 2016 WEF Statement; APEC Leaders Statement in 2016 on recognising the women's vital contribution to economic and social development and strengthening women and girls' access to STEM education and careers.	- Human Capital Development	PPSTI, ABAC, EWG
Empowering Women as Managers of the Renewable Energy Sector	<p>The concept note of this project has been approved in principle by APEC's Budget and Management Committee.</p> <p>The objective of this project is to build the skills, knowledge, self-confidence, and professional networks of mid-career-level women working in the energy sector in APEC economies, through their participation in a 6-month training curriculum, culminating in the development of a business plan and pitch competition. In addition, the project will establish a peer-to-peer mentoring network and a platform to share accomplishments and encourage a professional exchange of opportunities and ideas. An alumni network will ensure that women</p>	- APEC 2015 Energy Ministerial Statement; APEC Leaders Statement in 2016 on recognising the women's vital contribution to economic and social development and strengthening women and girls' access to STEM education and	- Human Capital Development	EWG

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
	continue to benefit from the support and personal validation that this program provides.	careers.		
Women in Transportation (WiT) (cross-fora collaboration led by United States)	The PPWE US and the Viet Nam's Ministry of Transportation are working together to prepare for the 2017 Women in Transportation (WiT) Forum on the margins of WEF in Viet Nam. The Forum will serve as an opportunity to discuss the status of implementation of the APEC WiT initiative, and highlight ongoing pilots taking place across APEC economies, leaning from the experiences, challenges, and successes in advancing women's employment in transportation with data collection.	- APEC 2016 WEF Statement; APEC 2015 Transportation Ministerial Statement; APEC Leaders Statement in 2016 on recognising the women's vital contribution to economic and social development and strengthening women and girls' access to STEM education and careers.	- Human Capital Development	TPTWG

## **2017 SCE FORA REPORT: *Small and Medium Enterprises Working Group (SMEWG)***

**Date: 29 September 2017**

### **Summary**

#### **1. Main progress and achievements of 2017**

1.1. Meetings: SMEWG has held two meetings since the last report (SMEWG-44 in March 2017, and SMEWG-45 in September 2017).

1.2. SMEWG has been working on the implementation of the Strategic Plan 2017 – 2020. The Strategic Plan 2017 – 2020 was formulated in line with the SMEWG’s mission statement and taking into account the ongoing APEC initiatives, including the Iloilo Initiative and the Boracay Action Agenda (BAA) to Globalize MSMEs endorsed by Leaders in 2015, the Digital Economy Action Plan (DEAP) welcomed by Ministers, as well as recommendations of the 2015 Independent Assessment.

1.3. SMEWG welcomed the launching of the APEC MSME Marketplace during the 24<sup>th</sup> APEC SME Ministerial meeting, a key feature of the Iloilo Initiative, under the championship of the Philippines.

1.4. SMEWG has played an important role to promote and implement the agenda of MSME globalization, which include 18 activities focusing on 5 out of 8 actions in the Boracay Action Agenda. Among them, 16 activities are on-going and two has been completed. SMEWG also participated in preparing the Boracay Action Agenda stocktake report in 2017.

1.5. Abundant and extensive work has been conducted by the SMEWG in the areas of ICT and e-commerce; institutional support for MSMEs; and women-led MSMEs specifically in understanding constraints faced by female-led MSMEs. Nevertheless, more needs to be done and the Philippines, as champion economy, has encouraged economies to identify more initiatives to address priority action 5b on promoting innovative and diversified financing options to meet the needs of MSMEs at different stages of growth; and priority action 8a capacitating women led MSMEs by fostering the use of gender-disaggregated data in measuring the economic and social impacts of MSMEs. The Philippines intends to finalize the stocktake and seek Senior Officials’ endorsement by CSOM.

1.6. SMEWG has managed and conducted totally 24 projects since its last for a report, including those were approved in session 1 of 2016. Totally 53 best practices were shared in the two meetings.

1.7 SMEWG has prepared important documents to submit to SMEMM 24th including:

1. APEC SME Ministerial Statement
2. Initiative on Promoting Innovative Star-ups.
3. Strategy on Green, Sustainable and Innovative MSMEs

#### **2. Recommendations to SCE/SOM:**

2.1 To SOM: to welcome the launching of the APEC MSME Marketplace

2.2 To SOM: to welcome Boracay Action Agenda stocktake 2017.

2.3 To SOM: to welcome the endorsement by SME Ministers of the APEC Strategy for Green, Sustainable and Innovative MSMEs.

### **Section I: Main Outcome of Plenary Meetings**

#### **1. 44th SMEWG Meeting, 15-16 March 2017**

- Viet Nam presented the calendar of activities for the 24th SME Ministers Meeting Week that took place in Ho Chi Minh City:  
10-11 Sep (Sun - Mon): Workshops/Events under SMEWG work plan (O2O, Digital Economy); 12 Sep (Tue): Start-up Forum; 13-14 Sep (Wed - Thu): SME Working Group Meeting; 15 Sep (Fri): SME Ministerial Meeting.
- Viet Nam introduced the theme, sub-themes and expected outcomes of SME Ministerial Meeting will be the following:  
Theme: Strengthening MSMEs' Competitiveness and Innovation in the Digital Age.  
Sub Themes: (i) Facilitating MSMEs' greater participation in GVCs, (ii) Facilitating the business environment for MSMEs (iii) Promoting start-ups and innovative MSMEs in the digital age/globalization.  
Expected outcomes: SMEWG Statement; SMEWG Statement on Promoting SMEs' start-ups; Strategy for Green, Sustainable and Innovative MSMEs; Recommendation for Economic Leaders on Strengthening MSMEs' competitiveness and Innovation.
- Viet Nam explained that the APEC SME Ministers Statement on Promoting Start-ups main contents would be: (i) Develop sustainable and friendly ecosystems for start-ups & innovative MSMEs, (ii) Promote MSMEs' capacity to innovate and strengthen competitiveness, (iii) Establish a network of digital start-ups, MSMEs and supporting partners.
- SMEWG agreed on to continue discussing the implementation schedule of the Strategic Plan 2017-2020 in order to re-categorize activities in relation to priority areas to avoid the clustering of projects currently observed in priority area one.
- Peru and Thailand informed on the developments of a Strategy on Green, Sustainable and Innovative MSMEs.
- The Philippines announced will be working closely with the APEC Secretariat for the development of the 2017 Boracay Action Agenda Annual Stocktake, in preparation for the 2018 mid-term review.
- The Philippines provided updates on the implementation of the APEC MSME Marketplace. It was shared that the project will be undertaken under a phased implementation within three years (2017-2019). The culmination of Phase 1 is the launching during the SME Ministerial Meeting this September.
- Peru reported that a draft Compendium on Methodologies for SMES Internationalization – Template for reporting was discussed at CTI and that CTI agreed on the template to be conveyed to SMEWG for comments not later than 31st March.
- SMEWG discussed 10 best practices cases.

## 2. 45<sup>th</sup> SMEWG Meeting, 13-14 September 2017

- SMEWG agreed to continue with the implementation schedule of the Strategic Plan 2017-2020. Updates will be provided for 46th SMEWG Meeting in Brunei Darussalam.
- SMEWG endorsed the Strategy on Green, Sustainable and Innovative MSMEs.
- The Philippines announced will continue working closely with the APEC Secretariat for the development of the 2018 Boracay Action Agenda Annual Stocktake and mid-term review.
- SMEWG welcomed the launching of the APEC MSME Marketplace during APEC SME Ministerial Meeting.
- Peru reported on its contribution to the Compendium on Methodologies for SMES Internationalization. A revised version will be submitted to CSOM 2017.
- SMEWG reiterated its commitment to work closely with CTI. CTI Chair briefed on the areas of work of CTI on MSMEs: (1) providing an enabling business environment for MSMEs; (2) facilitating trade by promoting supply chain and global value chains; (3) promoting MSMEs in the services sector; (4) supporting MSMEs in e-commerce and digital trade; and (5) developing innovative MSMEs through intellectual property rights. Additionally, CTI Chair encouraged the SMEWG to identify and propose an APEC-wide action for the ASCR and SMEWG agreed to submit the APEC-wide action as soon as possible.

- SMEWG welcomed the suggestion made by ABAC to coordinate a stocktake of all efforts undertaken by both APEC and ABAC related to MSMEs and the implementation of Boracay Action Agenda and the operation of APEC MSMEs Marketplace. ABAC representative urged APEC to incorporate the following ABAC's MSMEs related initiatives as part of its work plan: Online and offline Cross-Border E-Commerce Training (CBET) programmes; Asia-Pacific Financial Forum (APFF) activities under the Cebu Action Plan's Financial Infrastructure Development Network (FIDN) and collaboration with the APEC SMEWG on the APEC SME Finance Forum; publication of successful cases and emerging inclusive business models; and ABAC efforts in strengthening women's economic empowerment.
- SMEWG agreed on the final texts of the draft APEC SME Ministerial Statement and the draft Initiative on Promoting Innovative Star-ups.
- SMEWG discussed 8 best practices cases.

**Section II: Progress on Projects and Other Initiatives**

Title	Summary of Specific Plans	Mandate	ECOTECH Priorities	Cross-fora collaboration
SME 01 2016A	APEC Online-to-Offline (O2O) Initiative - Enhancing SME Digital Competitiveness and Resilience towards Quality Growth: Six events to held in 2017 in Malaysia (May 22-23); Chinese Taipei (May 30-June 1; July); Viet Nam (10 September); the Philippines (18-19 October).	-2016 & 2015 APEC Leaders and Ministers: Strengthening SMEs' Digital capacity and resilience through e-commerce and O2O new business models.  - “Digital Economy Action Plan” and “Boracay Action Agenda to Globalize MSMEs” (2015)	- ECOTECH Priorities: SMEs/ Tech-Innovation  - Host Year Priorities:  + 2016: Towards the Modernization of MSMEs in the Asia-Pacific  + 2017: Strengthening MSMEs' Competitiveness and Innovation in the Digital Age	EPWG, HRDWG, PPWE, ABAC and AHSGIE
SME 02 2016A	2017 APEC Business Ethics for SMEs Forum: Facilitating Multi-Stakeholder Ethical Collaborations for Small and Medium Enterprises: The Forum was held in Ha Noi, Viet Nam on 7-8 September 2017, before the SMEMM-24. The event convened SMEs, their associations and principals from governments, professional and consumer organizations.	APEC SME Ministers (2015), APEC Ministers Responsible for Trade (2015 & 2016), and APEC Ministers (2015) call to: (A) strengthen SME cooperation in the promotion of ethical practices and (B) to advance implementation of the Nanjing Declaration.	- ECOTECH Priorities: SMEs/Sustainable Growth	- SMEs in target sectors, e.g. GP Farmasi (Indonesia) and CCCMHPIE (China)  - LSIF, ACTWG, and ABAC.
SME 03 2016T	APEC Public – Private Dialogue on Enhancing Capacities of MSMEs in Exporting Services: A two-day Dialogue is to be held in Viet Nam in November 2017. Speakers from the public and private sectors will be invited to exchange views on the current state-of-play as well as opportunities and challenges of APEC services MSMEs as well as to discuss the ways to promote the capacities of exporting services of MSMEs through sound policies, technical assistances, skill development etc. Furthermore, during the last session of the Dialogue, lessons and recommendations suggested by Dialogue attendants will be discussed.	2016&2015 APEC Leaders reiterated “the significance of the participation of MSMEs in global commerce to inclusive growth and will take action to facilitate such participation”.	- ECOTECH Priorities: SMEs/Inclusive Growth/ Regional Economic Integration	Policy-makers/regulators of APEC economies, experts from international organizations such as OECD and PECC to enhance capacities of services SMEs.  - A final report with recommendations will be circulated to ABAC

Title	Summary of Specific Plans	Mandate	ECOTECH Priorities	Cross-fora collaboration
SME 05 2016A	The APEC Workshop on Renewable Energy Potentials for SMEs was held on 15 and 16 August 2017. Speakers and participants came from private sector, business associations; international organizations and research institutions, relevant Ministries and agencies from 13 APEC member economies. The project addressed the APEC Leaders' priorities and commitments by focusing on finding opportunities as well as tackling challenges regarding renewable energy potentials for SMEs.	APEC Ministerial Meeting Statement in 2014: - Renewable and Clean Energy (RCE) trade and investment is crucial for meeting our current and future energy needs; - Officials to develop knowledge sharing and capacity-building activities.	- ECOTECH Priorities: SME/Tech-Innovation/Sustainable Growth  - Host year priorities: + 2016: Towards the Modernization of MSMEs in the Asia-Pacific  + 2017: Strengthening MSMEs' Competitiveness and Innovation in the Digital Age	- CTI, ABAC, EWG and EGNRET
SME 06 2016A	Capability Development for Market-Oriented Innovation Management in SMEs of APEC Member Economies: Held on 17 and 18 January 2017. Speakers and participants came from private sector, business associations; international organizations and research institutions and APEC member economies' relevant Ministries and agencies from Chile; China; Indonesia; Korea; Mexico; Peru; the Philippines; Russia; Thailand; Chinese Taipei; and Viet Nam. The project was focused on sharing best practices for facilitating SMEs to enhance their capacity to manage their market-oriented innovation management, therefore, increasing their competitiveness in the regional and global markets.	2014 APEC Accord on Innovative Development, Economic Reform and Growth: Promote cooperation in science and innovation....We encourage members to strengthen support for innovative activities by SMEs	- ECOTECH Priorities: SME/Tech-Innovation/  - Host year priorities: + 2016: Towards the Modernization of MSMEs in the Asia-Pacific  + 2017: Strengthening MSMEs' Competitiveness and Innovation in the Digital Age	- CTI and ABAC will be consulted to develop an in-depth agenda; PPWE on participation of women in businesses (SMEs);  - Get support of World Bank, ADB, ADBI, OECD, for further researches, inviting speakers, experts and participants.
SME 07 2016A	APEC Workshop on Promoting Innovation for Start-ups: A two-day workshop is to be held in Ha Noi, Viet Nam, on 2-3 October 2017, to discuss related issues facing Start-up SMEs in promoting and managing innovation, and on what and how APEC should do to the field as the next steps.	- 2015 APEC Leaders on MSMEs: promote competition, entrepreneurship, and innovation;  - 2016 SME Ministers: Recognize the vital role of MSMEs in bringing new ideas to the market and in fostering innovation.	ECOTECH Priorities: SME/Tech-Innovation/Inclusive Growth  - Host year priorities:	ABAC.

Title	Summary of Specific Plans	Mandate	ECOTECH Priorities	Cross-fora collaboration
		APEC needs to build an ecosystem that supports enterprise creation and improves the environment for innovation, as well as facilitates financial inclusion for start-ups	+ 2016: Towards the Modernization of MSMEs in the Asia-Pacific + 2017: Strengthening MSMEs' Competitiveness and Innovation in the Digital Age	
SME 08 2016A	APEC Workshop on Facilitating Market Access for Women – led MSMEs through E- Commerce: A workshop is to be held in Viet Nam on 4-5 October 2017 to discuss related issues facing women-led MSMEs in e-commerce as well as experiences to take advantage of e-commerce as a means to facilitate their business, and on what and how APEC should do to the field as the next steps.	APEC Leaders 2015&2016: The internet and digital economy will allow businesses, especially MSMEs, to participate in GVCs and reach a wider consumer base through new business models.  Boracay Action Agenda to Globalize MSMEs.	ECOTECH Priorities: SME/Tech-Innovation/Inclusive Growth - Host year priorities: + 2016: Towards the Modernization of MSMEs in the Asia-Pacific + 2017: Strengthening MSMEs' Competitiveness and Innovation in the Digital Age	ECSG, ABAC and PPWE.
SME 09 2016A	APEC Forum: Promoting stakeholder's building capacities in Clusters and Local Economic Promotion Instruments: The forum will be held November 16-17, 2017, in Lima, Peru. During the event, there will be presentations by international speakers, who will share and discuss best practices, knowledge and strategies for the promotion of SMEs competitiveness at the meso and micro level. The audience can share experiences and establish partnerships. In addition, government officials will be able to learn from best practices for promoting public policies that generate a competitive environment in APEC economies	2015 APEC Leaders' Declaration – Investing in Human Capital Development: To redouble our efforts to empower our MSMEs providing them with the necessary tools to benefit and participate in economic growth.	ECOTECH Priorities: SME/ Inclusive Growth - Host Year Priorities: + 2016: Towards the Modernization of MSMEs in the Asia-Pacific	The PO has identified key institutions and researchers that can provide to the several stakeholders such as Pacific Alliance, OECD, etc., a prospective economic and social vision regarding the relevance of Multinational Corporations (MNC), FDI trends, and trade flows between developed

Title	Summary of Specific Plans	Mandate	ECOTECH Priorities	Cross-fora collaboration
				and developing economies.
SME 10 2016A	APEC Women Business Leaders Forum: The forum is to be held in Korea 9-10 November 2017. The forum will bring together women business leaders from APEC economies to share success stories, discuss policies to support women business leaders; share challenges and discuss ways to deal with them.	2015 APEC Leaders: Committed to advancing women’s full participation in the economy.	ECOTECH Priorities: SME/ Inclusive Growth	Discuss with PPWE regarding the development and promotion of the project; and invite PPWE to attend the forum.
SME 03 2016S	<p>Supporting Women-led SMEs Access Global Markets by Implementing Gender-Responsive Trade Promotion Policies and Programs: In June 2016, Australia conducted a roundtable technical discussion with experts and stakeholders, including Austrade in Kuala Lumpur. The roundtable sought to design and develop tailored capacity building training programs for targeted economies.</p> <p>Australia has delivered a series of capacity building workshops (Malaysia, Peru and Vietnam) to assist trade promotion organisations (TPOs) in addressing bottlenecks that hinder women-entrepreneurs from reaching their export potential. A similar workshop will be delivered in PNG early 2018.</p>	<p>2015 APEC Leaders: Committed to advancing women’s full participation in the economy.</p> <p>Boracay Action Agenda to Globalize MSMEs.</p>	ECOTECH Priorities: SME/ Inclusive Growth/ Regional Integration	In collaboration with PPWE.
SME 08 2016S	APEC Small and Medium Enterprises (SMEs) Forum and Business Matching: SMEs Clouds + Innovation and Entrepreneurship: The initiative meeting was held in Beijing in November 2016, the interim forum and business matching will be held in Beijing in November 2017. The focus is popularizing Cloud Computing knowledge, strengthening the Cloud Computing utilization capacity and collecting the practical cases on Cloud Computing application of SMEs.	2015 APEC Leaders on MSMEs: promote competition, entrepreneurship and innovation.	ECOTECH Priorities: SME/Tech-Innovation	

Title	Summary of Specific Plans	Mandate	ECOTECH Priorities	Cross-fora collaboration
SME 01 2017S	APEC SME Cross-Border E-commerce (CBE) Leaders Conference: Platform where participants from APEC member economies and other parts of the world can share research and best practices to assist manufacturers and merchants in boosting import and export trade. The conference also concentrates on promoting the application of modern information technology within SMEs and improving the informational application on R&D, production and distribution, and business administration. In order to facilitate the SMEs' cross-border trade participation, China will build a high quality service platform sponsored by famous research institutes, funds, investment companies and information service providers. The platform will work on optimizing the utilization of Internet in SMEs. Dates: TBC.	Nanjing Declaration on SME Innovative Development	ECOTECH Priorities: SME/Tech-Innovation	
SME 02 2017S	The APEC SME Working Group (SMEWG) Digital Transformation Workshop examined the nature of digital transformation and its implications for SMEs, as well as identified opportunities for greater cooperation between APEC members. Held from 13-14 March 2017 in Sydney, Australia, the workshop began with an overview of digital transformation and its implications for SMEs and government. Participants looked at these issues in further detail through developments in advanced manufacturing and fintech. The workshop concluded with a session on the implications of digital transformation for regional trade.	2015 APEC Leaders on MSMEs: promote competition, entrepreneurship and innovation.	ECOTECH Priorities: SME/Tech-Innovation  - Host Year Priorities:  + 2016: Towards the Modernization of MSMEs in the Asia-Pacific  2017: Strengthening MSMEs' Competitiveness	
APEC-Canada Growing Business	APEC-CANADA Growing Business: Is a four-year, C\$4.74-million, joint APEC Secretariat/Asia Pacific Foundation of Canada (APF Canada) initiative that aims to foster economic growth and reduce poverty in APEC developing economies by building the potential and market access of micro-, small- and medium-sized enterprises (MSMEs) and aspiring entrepreneurs. The	Boracay Action Agenda to Globalize MSMEs.	ECOTECH Priorities: SME/Tech-Innovation/Inclusive Growth  - Host year priorities:	

Title	Summary of Specific Plans	Mandate	ECOTECH Priorities	Cross-fora collaboration
	<p>project's budget is C\$4.74 million, with C\$2 million dedicated to the APEC MSME Sub-fund (currently administered by the APEC Secretariat) and C\$2.74 million allocated to the policy research and tools for MSMEs in developing APEC economies (managed by Asia Pacific Foundation of Canada).</p>	<p>AMM Joint Statement 2016, Strengthening Regional Economic Integration and Quality Growth</p>	<p>+ 2016: Towards the Modernization of MSMEs in the Asia-Pacific + 2017: Strengthening MSMEs' Competitiveness</p>	
SME 04 2017	<p>2017 APEC Digital Economy and E-Commerce Forum: Fostering Ecommerce To MSMEs Access to Regional and Global Markets.</p> <p>The project aims to create to awareness among MSME, start-up and women entrepreneurs of the importance of adopting the Digital Economy and E-commerce as the best strategy to access to regional and global markets, by sharing experiences and identifying best practices to support MSMEs on ecommerce practices as a new and innovative model of doing business by policy makers, MSMEs and academy. The outcome will be a set of policy recommendations for APEC economies in order to promote Digital Economy and E-commerce to contribute to economic and quality growth. The forum is scheduled for 14 -15 November 2017.</p>	<p>AMM Joint Statement 2016, "Strengthening Regional Economic Integration and Quality Growth", "Developing a Digital Economy Action Plan: Connecting MSMEs to Global and Regional Markets"; and the SMEWG Strategic Plan 2017-2020, "Entrepreneurship, Innovation and the Internet and Digital Economy".</p>	<p>ECOTECH Priorities: SME/Tech-Innovation/Inclusive Growth - Host year priorities: + 2016: Towards the Modernization of MSMEs in the Asia-Pacific + 2017: Strengthening MSMEs' Competitiveness</p>	
SME 02 2017	<p>Riding the Wave of the E-Commerce Trend: Emerging and Expanding Business Options for MSMEs [Thailand]</p> <p>The aim of the project is to empower MSMEs and to teach them how to take advantage of ecommerce resources as well as to identify supporting policy environment and actions. The 2 days' workshop will be held in March and will benefit 70 MSMEs owner and entrepreneurs and policymakers and will facilitate mutual understanding.</p>	<p>2015 APEC Leaders on MSMEs: promote competition, entrepreneurship, and innovation; AMM Joint Statement 2016, "Strengthening Regional Economic Integration and Quality Growth", "Developing a Digital Economy Action Plan: Connecting MSMEs to Global and Regional Markets"; and the SMEWG Strategic Plan 2017-2020, "Entrepreneurship,</p>	<p>ECOTECH Priorities: SME/Tech-Innovation/Inclusive Growth - Host year priorities: + 2016: Towards the Modernization of MSMEs in the Asia-Pacific + 2017: Strengthening MSMEs' Competitiveness</p>	

Title	Summary of Specific Plans	Mandate	ECOTECH Priorities	Cross-fora collaboration
		Innovation and the Internet and Digital Economy".		
SME 05 2017	<p>APEC SME Business Ethics for the Construction-Engineering Sector: Building a Strong Future for SMEs: Cross-Fora Collaboration, Human Capacity, Technology &amp; Certification.</p> <p>Academic team is working on a survey on construction-engineering Sector that will be discuss in a workshop in 2018 intended to provide capacity building to benefit MSMEs. Also was mentioned that this is continuation of a successful series of projects on business ethics.</p>		<p>ECOTECH Priorities: SME/Tech-Innovation/Inclusive Growth</p> <p>- Host year priorities:</p> <p>+ 2016: Towards the Modernization of MSMEs in the Asia-Pacific</p> <p>+ 2017: Strengthening MSMEs' Competitiveness</p>	
Finance Literacy Survey	<p>Thailand informed the results of a successful survey conducted in 2016. 17 members economies participated in the survey and the following gaps on Financial Literacy were identify: lack of strategy in education programing, lack of standard in education curriculum, lack of channels to spread knowledge. The suggested way forward would be to conduct an assessment in APEC, identify partners for financial education support, to draft a roadmap in financial literacy and the establishment of networks and exchange of knowledge.</p>	<p>The issue of finance for SMEs is always emphasized in recent APEC Leaders' and SME Ministers' statements.</p>	<p>ECOTECH Priorities: SME/ Inclusive growth</p>	
SME 06 2017A	<p>Upgrading MSMEs Access to Finance in Digital Age:</p> <p>Organized during the SMEMM week, the workshop findings were: SMEs has big constraint of access to finance; secured Transactions Reforms Platform is a technology-based solution to connect suppliers and buyers and can help financial institutions mitigate credit risks to further develop SCF, Regulators have important roles to encourage and facilitate the development of SCF and SCF digital platform. In the context of digitalization, alternative</p>	<p>Boracay Action Agenda to Globalize MSMEs.</p>	<p>ECOTECH Priorities: SME/Tech-Innovation/Inclusive Growth</p> <p>- Host year priorities:</p> <p>+ 2016: Towards the Modernization of MSMEs in the Asia-Pacific</p>	

Title	Summary of Specific Plans	Mandate	ECOTECH Priorities	Cross-fora collaboration
	<p>lenders/Fintech will increase and use the technology based solutions to finance SMEs in the value chain. Integration of trade credit information/transactions provided by Credit Reporting Service Providers and the transaction data in SCF Digital Platform are very important for KYC.</p>		<p>+ 2017: Strengthening MSMEs' Competitiveness</p>	
SME 07 2017A	<p>Digital Economy Workshop/Dialogue</p> <p>The workshop aimed to further explore (i) enabling the flow of information across borders and (ii) fostering digital literacy. In two interactive sessions, participants discussed common challenges and constraints to addressing these two issues including access to resources, intergovernmental coordination, ICT infrastructure, and a lack of a common regional framework. In small groups, participants then discussed possible solutions and shared best practices in their own economies.</p>	<p>2015 APEC Leaders on MSMEs: promote competition, entrepreneurship, and innovation; AMM Joint Statement 2016, "Strengthening Regional Economic Integration and Quality Growth", "Developing a Digital Economy Action Plan: Connecting MSMEs to Global and Regional Markets"; and the SMEWG Strategic Plan 2017-2020, "Entrepreneurship, Innovation and the Internet and Digital Economy".</p>	<p>ECOTECH Priorities: SME/Tech-Innovation/Inclusive Growth</p> <p>- Host year priorities:</p> <p>+ 2016: Towards the Modernization of MSMEs in the Asia-Pacific</p> <p>+ 2017: Strengthening MSMEs' Competitiveness</p>	<p>There were 53 participants from APEC economies, including representatives from non-APEC ASEAN members Burma, Cambodia, and Laos. Speakers included representatives from the App Association, Vietnam SME YOLA, Asia Policy Partners, E-jiaoyi, Yushan Ventures, U.S. – ASEAN Business Council, Pan Asian E-Commerce Alliance, Peru, Russia, and Singapore.</p>
SME 08 2017A	<p>SME 08 2017A Enhancing the competitiveness of women led MSMEs in the garments and textile sector through innovation and entrepreneurship. Acknowledging the vast potential of innovative enterprises in the MSME sector, the project seeks to: (1) enhance and support women-led businesses through skills training; (2) disseminate best practices on women entrepreneurship; and (3) raise awareness of possible impediments to Women MSMEs' sustainable growth. The project will be implemented through a 2-day skills training workshop and a 1-day best practices forum tentatively scheduled on the 3rd or 4th</p>	<p>2015 APEC Leaders on MSMEs: promote competition, entrepreneurship, and innovation; AMM Joint Statement 2016, "Strengthening Regional Economic Integration and Quality Growth"</p>	<p>ECOTECH Priorities: SME/Tech-Innovation/Inclusive Growth</p> <p>- Host year priorities:</p> <p>+ 2016: Towards the Modernization of MSMEs in the Asia-Pacific</p> <p>+ 2017: Strengthening MSMEs' Competitiveness</p>	

Title	Summary of Specific Plans	Mandate	ECOTECH Priorities	Cross-fora collaboration
	<p>week of April 2018 in Manila, Philippines. The Philippines intends to invite 60 – 70 participants for the skills Training Workshop and 70 – 80 participants for the best practices forum. For the workshop and forum, the Philippines is targeting women-led MSME proprietors as main participants. In addition, participants from the academia and large enterprises may be invited to share their knowledge and exchange ideas on building productive and competitive women-led enterprises. The Philippines seeks economies' support in this project through nomination of speakers and participants.</p>			
SME 09 2017A	<p>SME 09 2017A Policy Dialogue on sharing best practices in building institutional capacities to promote internationalization of MSMEs and developing competitiveness of MSMEs to go global [Papua New Guinea]</p> <p>PNG informed that advancement on the implementation will be done in next working group meeting in Brunei Darussalam.</p>	<p>2015 APEC Leaders on MSMEs: promote competition, entrepreneurship, and innovation; AMM Joint Statement 2016, “Strengthening Regional Economic Integration and Quality Growth”,</p>	<p>ECOTECH Priorities: SME/Tech-Innovation/Inclusive Growth</p> <p>- Host year priorities:</p> <p>+ 2016: Towards the Modernization of MSMEs in the Asia-Pacific</p> <p>+ 2017: Strengthening MSMEs' Competitiveness</p>	
SME 03 2017S	<p>Global SME and Corporate Innovation Survey: Dedicated to identify the challenges and examine the best approaches that can empower APEC corporations to achieve successful startup integrations, overcome barriers and acquire innovations. This survey aims to achieve win-win situations between APEC technology startups and SMEs/corporations and to help SMEs to fully embrace the potential of emerging technologies, such as AI, Robotics, big data, IoT, cloud computing, 3D printing, etc.</p>	<p>2015 APEC Leaders on MSMEs: promote competition, entrepreneurship, and innovation.</p>	<p>ECOTECH Priorities: SME/Tech-Innovation/Inclusive Growth</p> <p>- Host year priorities:</p> <p>+ 2016: Towards the Modernization of MSMEs in the Asia-Pacific</p> <p>+ 2017: Strengthening MSMEs' Competitiveness</p>	

Title	Summary of Specific Plans	Mandate	ECOTECH Priorities	Cross-fora collaboration
SME 04 2017S	<p>Promoting IT Adoption in MSMEs – Setting up APEC SME Center for IT Promotion ]</p> <p>China launched feasible studies on the establishment of APEC SME Center for IT Promotion. Results indicated that it will be beneficial for enhancing the informational level, strengthening practical cooperation and promoting informational development of APEC SMEs. China will conduct the establishment of APEC SME Center for IT Promotion and support its informational services to APEC SMEs. APEC SME Center for IT Promotion is dedicated to becoming the link of relevant institutions and APEC SMEs; giving full play to the platform role; sharing policies, experiences and informational best practices; and providing consultations on informational solutions, which will be good for improving informational application level of APEC SMEs.</p>	2015 APEC Leaders on MSMEs: promote competition, entrepreneurship, and innovation.	<p>ECOTECH Priorities: SME/Tech-Innovation/Inclusive Growth</p> <p>- Host year priorities:</p> <p>+ 2016: Towards the Modernization of MSMEs in the Asia-Pacific</p> <p>+ 2017: Strengthening MSMEs' Competitiveness</p>	
SME 04 2015S	<p>APEC Best Practices in SME Innovation"</p> <p>People's Republic of China has initiated another round of the selection for APEC Best Practices. Selection modes are innovated, People's Republic of China conducts close collaboration with relevant APEC member economies on organizing specific events, so as to increase the degree of participation, and to assist APEC SMEs on technological exchange and matchmaking. Relevant best practices will be announced during the SMETC in June, 2018.</p>	2015 APEC Leaders on MSMEs: promote competition, entrepreneurship, and innovation.	<p>ECOTECH Priorities: SME/Tech-Innovation/Inclusive Growth</p> <p>- Host year priorities:</p> <p>+ 2016: Towards the Modernization of MSMEs in the Asia-Pacific</p> <p>+ 2017: Strengthening MSMEs' Competitiveness</p>	

## **2017 SCE FORA REPORT: *Telecommunications and Information Working Group (TELWG)***

**Date: 5 September 2017**

### **Summary**

#### **1. Main progress and achievements of 2017**

1. TELWG conducts its work programme through its three steering groups i.e. Information and communications technologies (ICT) Development Steering Group (DSG), Liberalization Steering Group (LSG), which includes Conformity Assessment & Mutual Recognition Arrangement Task Force (CA & MRA TF), and Security and Prosperity Steering Group (SPSG) in line with the TELWG Strategic Action Plan 2016-2020 (TELWG SAP 2016-2020) priority areas:
  - Develop and support ICT innovation;
  - Promote a secure, resilient and trusted ICT environment;
  - Promote regional economic integration;
  - Enhance the Digital Economy and the Internet Economy; and
  - Strengthen cooperation.
  
2. The TELWG 2017 Work Plan and activities are aligned with the Leaders/Ministers/SOM/SCE Priorities and decisions and ABAC recommendations as follows:-
  - APEC Connectivity Blueprint;
  - Boracay Action Agenda to Globalize MSMEs;
  - APEC Disaster Risk Reduction (DRR) Framework and APEC Disaster Risk Reduction (DRR) Action Plan;
  - APEC Services Cooperation Framework and APEC Services Competitiveness Roadmap (2016-2025);
  - APEC Education Strategy; and
  - APEC Initiative of Cooperation to Promote Internet Economy.
  
3. Nineteen (19) projects have been lined up in 2017 to complete this Work plan, in which five (5) projects have been completed as of TEL55 in April 2017, one (1) APEC-funded project to be completed by 2018, three (3) projects are to be completed by 2020, one (1) project is implemented annually. The remaining nine (9) projects and new projects will be carried out in the upcoming TEL56 meeting in December 2017. The APEC-funded project has been approved by the Budget and Management Committee (BMC) in July 2017 for fund disbursement and implementation, with expected completion by 2018.

TELWG contributed to the implementation of the APEC Connectivity Blueprint through the following completed and ongoing initiatives:

- Workshop on Promoting the Next Generation Broadcasting (4K/8K) conducted on 1 November 2016;
- Industry and Regulatory Roundtable on Free flow of Data conducted on 1 November 2016;
- Industry Roundtable on ICT Solutions for Ageing Society conducted on 2 November 2016;
- Workshop on Promoting Secure Public Wi-Fi Usage based on Malaysian Experience on 2 November 2016;

- Industry Roundtable on Emerging Regulations on the Internet Economy conducted on 3 April 2017;
- Workshop on Enhancing Online Connectivity for Unleashing the Potential of Digital Economy on 3 April 2017;
- Regulatory Workshop on Overview of Mexican Telecom Regulatory Framework conducted on 4 April 2017;
- Workshop on Use of ICT to Protect the Rights of Telecommunication Service Users on 5 April 2017;
- Workshop on Small Cells Deployment in APEC Economies on 5 April 2017;
- Report on IPv6 Deployment Strategies endorsed in April 2017;
- Report on research on multi-language email address usage in e-government to be presented in November 2017;
- Survey of initiatives in APEC Economies to promote access to ICTs for people with a hearing and/or speech impairment to be completed by December 2017;
- APEC Partnership Dialogue on Quantum Technologies to be conducted at TEL56 in December 2017;
- Extension of ICT Application for the People with Special Needs (Seniors and People with Disabilities) by 2020;
- Extension of APEC e-Government Research Center by 2020; and
- Extension of Asia Pacific Information Infrastructure (APII) Testbed Project by 2020.

TELWG's contributed to the Boracay Action Agenda to Globalize MSMEs through the following activities:

- Published Report on the results of the project Facilitating innovative economic development of "Internet + Service Industry" in May 2017;
- Report on IPv6 Deployment Strategies endorsed in April 2017;
- Workshop on Promoting the Next Generation Broadcasting (4K/8K) conducted on 1 November 2016.

TELWG contributed to the APEC Services Cooperation Framework and APEC Services Competitiveness Roadmap (2016-2025) through the following activities:

- Workshop on Promoting the Next Generation Broadcasting (4K/8K) conducted on 1 November 2016;
- Industry and Regulatory Roundtable on Free flow of Data conducted on 1 November 2016;
- Workshop on Public-Private Partnerships in Cybersecurity on 1 November 2016;
- Workshop on Promoting Secure Public Wi-Fi Usage based on Malaysian Experience on 2 November 2016;
- Workshop on Enhancing Online Connectivity for Unleashing the Potential of Digital Economy on 3 April 2017;
- Workshop on Use of ICT to Protect the Rights of Telecommunication Service Users on 5 April 2017;
- Workshop on Small Cells Deployment in APEC Economies on 5 April 2017;
- Report on IPv6 Deployment Strategies endorsed in April 2017;
- Published Report on the results of the project Facilitating innovative economic development of "Internet + Service Industry" in May 2017.

TELWG contributed into the APEC Disaster Risk Reduction Framework and APEC Disaster Risk Reduction Framework through the following project:

- Earthquakes and Waterfloods Monitoring System with the application of the Internet of Things (IoT), expected to start in September 2017.

TELWG contributed considerably into enhanced trust and confidence in the use of ICTs through continued work on Cybersecurity Framework and Cyber Security Awareness Day and successfully conducted APEC Workshop on Public-Private Partnerships in Cybersecurity on 1 November 2016 and Workshop on Promoting Secure Public Wi-Fi Usage based on Malaysian Experience on 2 November 2016. TELWG is expecting to conduct Workshop on Cyber Drill/Exercise in December 2017 during the TEL 56 meeting.

## **2. Recommendations to SCE/SOM**

- Endorse Revised TELWG Terms of Reference (ToR);
- Note the activities and outcomes of TELWG from September 2016 to August 2017;
- Note that TEL has agreed, on a one-off basis, that TEL56 will be held on 10-15 December 2017 due to the schedule of the international meetings related to the field of ICT and telecommunications;
- Note the TELWG decision that TELWG does not support the establishment of the Friends of the Chair (FoTC) and TELWG Industry Advisory Board (TIAB), as was recommended by the TELWG Independent Assessment Report 2016, as current organizational structure of TELWG is found satisfactory by all TELWG members and TELWG Guests.

## **Section I : Main Outcome of Plenary Meetings**

Since the last report that was presented at SOM3 last year, TELWG met twice.

### **1. 54th TEL Meeting, 31 October - 4 November 2016**

The 54<sup>th</sup> TELWG meeting was conducted in Kyoto Keihanna, Japan from 31 October - 4 November 2016. It was chaired by Mr. Andrey Mukhanov (Russian Federation) and attended by 17 member economies and private sector and guest representatives from ABAC, APLAC, APNIC, APTLD, INTUG, ISOC, Yahoo! Japan, AT&T, Rebright Partners, Nomura Research Institute, Japan Broadcasting Corporation (NHK), NTT Plala INC, Association for Promotion of Advanced Broadcasting Services, Japan, Next Generation Contents Distribution Forum (NexCDI-F), Sky Perfect JSAT Corporation, Sony Corporation, NHK Media Technology, Japan Cable and Telecommunications Association, National Center for APEC (NCAPEC). Key outcomes include:

- Endorsed TEL53 Chair's Report;
- Endorsed TELWG 2016 Projects table;
- Updated TELWG Convenorship table;
- Updated the TELWG Strategic Action Plan 2016-2020 (TELWG SAP 2016-2020) Prioritization and Planning table to ensure alignment and coherence;
- Updated the TELWG SAP 2016-2020 Other Fora collaboration table to identify possible areas of cross-fora collaboration;
- Agreed to actively participate in the activities, connected with the implementation of APEC Disaster Risk Reduction Action Plan;
- Noted Regulatory Updates from 13 member economies;
- Noted the final report of the Independent Assessment of the TELWG in 2016;
- Noted TELWG Chair's update on outcomes of the Special Session with AHSGIE Chair;
- Noted Reports of the DSG, LSG and SPSG.

### **2. 55th TEL Meeting, 2 April - 7 April 2017**

The 55<sup>th</sup> TELWG meeting was conducted in Mexico City, Mexico from 2 April 2017 – 8 April 2017. It was chaired by Mr. Andrey Mukhanov (Russian Federation) and attended by 16 member economies and non-member guests from APEC Business Advisory Council (ABAC), Asia Pacific

Network Information Centre (APNIC), Huawei Technologies de Mexico, AT&T, Google, Uber, Yahoo! Japan, Verizon, ProMexico, Bancomext, Belly, Gallardo, Bonequi Y Garcia, Redes AC, HearColors, NEC México, Cullen International and UL. Key outcomes include:

- Endorsed TELWG Revised Terms of Reference (last revised in 2009);
- Endorsed Proposal on Further Cross-Fora and External Collaboration;
- Endorsed contribution to the AHSGIE Template on Internet and Digital Economy;
- Endorsed TEL54 Chair’s Report;
- Endorsed Revised TELWG Work Plan 2017;
- Updated TELWG 2017 Projects table;
- Updated TELWG Convenorship table;
- Updated the TELWG SAP 2016-2020 Prioritization and Planning Table to ensure alignment and coherence;
- Updated the TELWG SAP 2016-2020 Other Fora Collaboration Table to identify possible areas of cross-fora collaboration;
- Noted PSU’s background on the APEC Services Competitiveness Roadmap (ASCR);
- Noted TELWG Response to Recommendations from the Independent Assessment, endorsed intersessionally;
- Noted Proposed Mechanism for AHSGIE & TELWG Cooperation, endorsed intersessionally;
- Noted Russia’s presentation on the initiative “Bridging Gap in Economic Development and Integration of Remote Areas for Sustainable Growth in the APEC Region”;
- Noted Regulatory Updates from 10 member economies;
- Noted TELWG Chair’s update on outcomes of the Special Session with AHSGIE Chair;
- Noted Reports of the DSG, LSG and SPSG.

**Section II: Progress on Projects and Other Initiatives**

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
Extension of ICT Application for the People with Special Needs (Ageing and Disability) (self-funded, Japan)	<p>The main goal of this project is to extend the APEC funded project (TEL 01/2011A) that has created an effective platform for knowledge exchange on innovation for assistive ICT applications for elderly and disabled people.</p> <p>The project duration is extended to 2020 and the current activities include research on harmonization between e-ageing and healthcare through ICT applications as well as Smart Silver city concept for older persons and people with disabilities.</p> <p>The planned activities are as below: Firstly, publication on Smart Silver Innovation in APEC region in Autumn 2017. Secondly, Stakeholders Review Meeting in Moscow in Sept 2017 by Japan, Singapore, USA, Thailand and Chinese Taipei. Thirdly, G7 Global Healthy Ageing Innovation Summit in Brussels in Dec. 2017.</p>	Increased human development potential through consideration of possible ways to actively include remoted and socially deprived and vulnerable people into economic activities, enhancing people-to-people connectivity (APEC Connectivity Blueprint 2015-2025).	<ul style="list-style-type: none"> <li>- Human Capital Development;</li> <li>- Technologies and Innovation;</li> <li>- Inclusive Growth;</li> <li>- Sustainable Growth.</li> </ul>	Group of Friend of Disability (GOFD)
Extension of APEC e-Government Research Center (self-funded, Japan)	<p>The APEC e-Government Research Center at Waseda University was established to provide assistance in looking for solutions to the various challenges of e-Government. The main objective is to develop recommendations for the improvement of e-Government implementation and organize the discussions on the related topics.</p> <p>The project is extended to 2020 and the further work is planned on range of emerging issues including cybersecurity, mobile government, ageing society, training programs for CIOs, digital innovation.</p>	Develop useful ICT solutions for e-government for better institutional connectivity (APEC Connectivity Blueprint 2015-2025).	<ul style="list-style-type: none"> <li>- Human Capital Development;</li> <li>- Technologies and Innovation;</li> <li>- Inclusive Growth;</li> <li>- Regional Economic Integration;</li> <li>- Structural Reform;</li> <li>- Sustainable Growth.</li> </ul>	Waseda University (Japan)
Extension of APII Testbed Project (self-funded, Korea)	<p>The proposal promotes the construction and expansion of Asia Pacific Information Infrastructure (APII) to realize the vision of Asia Pacific Information Society and common prosperity of APEC. The proposal aims to improve the interconnectivity and interoperability of intra/inter-regional networks to enhance regional and global connectivity.</p> <p>The project will be continued until 2020 and some events that had been run under the APII include (1) K-ICT NET challenge Camp 3 award ceremony; (2) KOREN Agreement Ceremony. The future plans for this project cover 44th APAN conference, K-ICT NET challenge camp,</p>	Enhancing Physical Connectivity through development of ICT infrastructure and improvement of provision of the access to broadband Internet (APEC Connectivity Blueprint 2015-2025).	<ul style="list-style-type: none"> <li>- Human Capital Development;</li> <li>- SMEs;</li> <li>- Technologies and Innovation;</li> <li>- Inclusive Growth;</li> <li>- Regional Economic Integration;</li> <li>- Sustainable Growth.</li> </ul>	No

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
	KOREN funded verification test project and final evaluation of KOREN funded test projects.			
Cybersecurity Awareness Day (self-funded, the United States)	The project aims at raising awareness, which will contribute to a safe and trusted ICT environment in the APEC region. Interested member economies conduct cybersecurity awareness activities and inform TELWG on their progress.	APEC Strategy to Ensure a Trusted, Secure, and Sustainable Online Environment (TSSOE) of 2005.	- Human Security.	No
Facilitating Innovative Economic Development of “Internet + Service Industry” (TEL 01 2015A) (APEC-funded, China)	Workshop took place on 15 June 2016 in Tacna, Peru. Participants discussed practices and policies in Different Economies as well as practices in different sectors: Healthy Care/ Medical Treatment, Transportation, Education and Finance.  The final report on the Workshop’s findings was completed in November 2016 and endorsed in April 2017, following by the publication of the report on the APEC Secretariat’s publications website.	Development of ICT and e-commerce aiming at establishment of next-generation high-speed broadband networks by 2020 and promotion of ICT use by MSME’s (Boracay Action Agenda to Globalize MSME (2015));  APEC Services Cooperation Framework (2015) and fostering dynamic, competitive and effective telecommunications, innovation and ICT policies (APEC Services Competitiveness Roadmap (2016-2025)).	- Human Capital Development; - Technologies and Innovation; - Inclusive Growth; - Sustainable Growth.	No
Report on IPv6 Deployment Strategies	The questionnaires were circulated to member economies with aim of examining experiences in IPv6 deployment.	Enhancing Physical Connectivity through development of ICT	- Technologies and Innovation; - Inclusive Growth;	No

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
(self-funded, Singapore)	The report containing information on public and private sector engagement and the recommendations on the ways to improve IPv6 deployment was presented during TEL54 and finally endorsed at TEL55.	<p>infrastructure and improvement of provision of the access to broadband Internet (APEC Connectivity Blueprint 2015-2025).</p> <p>Development of ICT and e-commerce aiming at establishment of next-generation high-speed broadband networks by 2020 and promotion of ICT use by MSME's (Boracay Action Agenda to Globalize MSME (2015)).</p> <p>Fostering dynamic, competitive and effective telecommunications, innovation and ICT policies (APEC Services Competitiveness Roadmap (2016-2025)).</p>	<ul style="list-style-type: none"> <li>- Regional Economic Integration;</li> <li>- Sustainable Growth.</li> </ul>	
Industry and Regulatory Roundtable on Free flow of Data  (self-funded, Japan)	<p>The combined Roundtable took place on 1 November 2016 in Kyoto, Japan.</p> <p>Participants met over two sessions discussing “Business Models and the Use of Free Flow of Data” and “Policy and Regulatory Frameworks for Emerging Digital Economy and Society 5.0”.</p>	<p>Enhancing Institutional Connectivity (APEC Connectivity Blueprint 2015-2025).</p> <p>Fostering dynamic, competitive and effective</p>	<ul style="list-style-type: none"> <li>- Technologies and Innovation;</li> <li>- Inclusive Growth;</li> <li>- Regional Economic Integration;</li> <li>- Sustainable Growth.</li> </ul>	No

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
		telecommunications, innovation and ICT policies (APEC Services Competitiveness Roadmap (2016-2025)).		
Workshop on Promoting the Next Generation Broadcasting (4K/8K) (self-funded, Japan)	<p>As part of the programme, participants visited the NHK and the SKY Perfect JSAT Corporation for a demonstration on the 4K/8K broadcasting in Tokyo, Japan, on 31 October 2016.</p> <p>Workshop took place on 1 November 2016 in Kyoto, Japan. Industry representatives delivered presentations on (i) 8K BS trial broadcasting and contents creation, as well as 8K application for medical care; (ii) 4K BS trial broadcasting; (iii) 4K CS broadcasting in service; (iv) 4K cable rebroadcasting; (v) 4K IP broadcasting; (vi) use and application of 4K/8K; (vii) 4K/8K video.</p>	<p>Enhancing Physical Connectivity through development of ICT infrastructure and improvement of provision of the access to broadband Internet (APEC Connectivity Blueprint 2015-2025).</p> <p>Development of ICT and e-commerce aiming at establishment of next-generation high-speed broadband networks by 2020 and promotion of ICT use by MSME's (Boracay Action Agenda to Globalize MSME (2015));</p> <p>Fostering dynamic, competitive and effective telecommunications, innovation and ICT policies (APEC Services Competitiveness</p>	<ul style="list-style-type: none"> <li>- Technologies and Innovation;</li> <li>- Regional Economic Integration;</li> <li>- Sustainable Growth.</li> </ul>	No

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
		Roadmap (2016-2025)).		
Industry Roundtable on ICT Solutions for Ageing Society (self-funded, Japan)	Industry Roundtable took place on 2 November 2016 in Kyoto, Japan. Six presentations were made by Japan, China, the USA, Thailand, and Chinese Taipei in addition to the keynote. Participants discussed ageing issues in China, ICT and Ageing, Thai Digital government in Ageing society, Robot applications and industry, Ageing and Women in ICT industry, and the role of e-Government in Ageing.	Increased human development potential through consideration of possible ways to actively include remoted and socially deprived and vulnerable people into economic activities, enhancing people-to-people connectivity (APEC Connectivity Blueprint 2015-2025).	<ul style="list-style-type: none"> <li>- Human Capital Development;</li> <li>- Technologies and Innovation;</li> <li>- Inclusive Growth;</li> <li>- Sustainable Growth.</li> </ul>	No
APEC Workshop on Promoting Secure Public Wi-Fi Usage based on Malaysian Experience (self-funded, Malaysia)	<p>The workshop was based on the Wi-Fi security promotion by Malaysia through an experiment conducted in Kuala Lumpur in 2015.</p> <p>As an extension of the project from TEL53 in June 2016, MIC Japan and the Malaysian Communications and Multimedia Commission (MCMC) conducted similar experiments in Osaka and Kyoto on 29 October and 30 October 2016 respectively.</p> <p>Findings from the workshop raised concerns about the security of the Wi-Fi communication technology that allows a device to automatically connect to a saved network, and the risks of connecting to a public Wi-Fi network in general. Malaysia listed tips and best practices of the Wi-Fi security such VPN usage and practice Wi-Fi hygiene by turning off the “Auto-connect” function and verifying the basic network connection information.</p>	<p>Enhancing Physical Connectivity through development of ICT infrastructure and improvement of provision of the access to broadband Internet (APEC Connectivity Blueprint 2015-2025).</p> <p>Fostering dynamic, competitive and effective telecommunications, innovation and ICT policies (APEC Services Competitiveness Roadmap (2016-2025)).</p>	<ul style="list-style-type: none"> <li>- Technologies and Innovation;</li> <li>- Human Security.</li> </ul>	No

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<p>Workshop on Public-Private Partnerships in Cybersecurity</p> <p>(self-funded, the United States)</p>	<p>Workshop took place on 1 November 2016 in Kyoto, Japan. Japan (NICT), JP-CERT, Underwriters Laboratory, and the US (DHS) presented on approaches to cooperating with the private sector on the important topic of cyber security and discussed contemporary challenges and solutions in the discussion on IoT security and Automated Indicator Sharing (AIS) respectively. The Workshop participants found that more workshops on the topic should be conducted in future.</p>	<p>APEC Strategy to Ensure a Trusted, Secure, and Sustainable Online Environment (TSSOE) of 2005.</p> <p>Fostering dynamic, competitive and effective telecommunications, innovation and ICT policies (APEC Services Competitiveness Roadmap (2016-2025)).</p>	<ul style="list-style-type: none"> <li>- Technologies and Innovation;</li> <li>- Human Security.</li> </ul>	No
<p>Industry Roundtable on Emerging Regulations on the Internet Economy</p> <p>(self-funded, Mexico)</p>	<p>The Roundtable took place on 3 April 2017 in Mexico City, Mexico. The Ministerial Declaration on the Digital Economy Innovation, Growth and Social Prosperity or Cancun Declaration was presented to set the stage for the discussion. Mexico presented its adopted roadmap, which outlined its inclusive digitization efforts as well as the advancement in e-government and Open Data in Mexico.</p> <p>Two discussion panels were convened during the workshop. The first panel, which consisted of representatives from Google, Facebook, Uber and GSMA discussed about the "Emerging Internet Economy Standards". Key issues such as the role of a regulator from the industry's perspective were discussed. The next panel consisting of representatives from ProMexico and Bancomext, discussed the promotion of investment in telecommunications in Mexico.</p>	<p>Enhancing Institutional Connectivity (APEC Connectivity Blueprint 2015-2025).</p>	<ul style="list-style-type: none"> <li>- Technologies and Innovation;</li> <li>- Inclusive Growth;</li> <li>- Regional Economic Integration;</li> <li>- Sustainable Growth.</li> </ul>	No
<p>Regulatory Workshop on Overview of Mexican Telecom Regulatory Framework</p>	<p>The workshop took place on 4 April 2017, giving a broad overview of the regulatory framework in Mexico. IFT of Mexico presented a comprehensive summary of the telecommunications reform in Mexico as well as the role of IFT as a convergent regulator. Mexico's transition to Digital Terrestrial Television (DTT) and the role of the Institute as a</p>	<p>Enhancing Institutional Connectivity (APEC Connectivity Blueprint 2015-2025).</p>	<ul style="list-style-type: none"> <li>- Inclusive Growth;</li> <li>- Structural Reform;</li> <li>- Sustainable Growth.</li> </ul>	No

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
(self-funded, Mexico)	<p>safeguard of users' rights were also elaborated.</p> <p>Several topics regarding Mexico's telecommunication reform were brought up, including the impact on its telecommunications market, IFT's role in spectrum management, and a public-private contract for a shared network in Mexico.</p>			
<p>Workshop on Enhancing Online Connectivity for Unleashing the Potential of Digital Economy</p> <p>(self-funded, Japan)</p>	<p>Workshop took place on 3 April 2017 in Mexico City, Mexico, covering six presentations and a panel discussion. After the opening presentation on Connectivity, Free Flow of Information and Innovation by the moderator, the following presentations were delivered: 1) Current networking issues, AT&amp;T, United States; 2) Digital Transformation in Mexico, Medisist; 3) Best Practices to Encourage Introduction of New Digital Products and Services, UL company; 4) Regulatory Flexibility as a Tool to Unleash the Potential the Digital Economy, Verizon; 5) Steps toward Internet Governance, NCC Chinese Taipei; and 6) Linguistic Technologies for Enhanced Online Connectivity in Digital Economy, Association of Electronic Trading Platforms, Russian Federation.</p> <p>In the panel discussion, the moderator introduced three issues for discussion: 1) the key stakeholders in enhancing Digital Transformation on ICT infrastructure; 2) how digital industry players maximize the value of ICT infrastructure and data; and 3) the role of APEC TEL in enhancing Digital Transformation on ICT infrastructure.</p>	<p>Enhancing Institutional Connectivity (APEC Connectivity Blueprint 2015-2025).</p> <p>Fostering dynamic, competitive and effective telecommunications, innovation and ICT policies (APEC Services Competitiveness Roadmap (2016-2025)).</p>	<ul style="list-style-type: none"> <li>- Technologies and Innovation;</li> <li>- Inclusive Growth;</li> <li>- Regional Economic Integration;</li> <li>- Structural Reform;</li> <li>- Sustainable Growth.</li> </ul>	No
<p>Workshop on Use of ICT to Protect the Rights of Telecommunication Service Users</p> <p>(self-funded, Peru)</p>	<p>A half-day workshop with two sessions on this topic was conducted on 5 April 2017 in Mexico City, Mexico. In the first session, Australia, Mexico, and Peru shared experiences on regulations and ICT applications to protect rights of users. In the second session, Mexico presented overview of applications for users, e.g. data usage simulator, coverage maps as provided insight into civil society perspective on services.</p> <p>A report with all outcomes and recommendations was endorsed and published on APEC website in July 2017 and would be presented at TEL 56.</p>	<p>Enhancing Institutional Connectivity (APEC Connectivity Blueprint 2015-2025).</p> <p>Fostering dynamic, competitive and effective telecommunications, innovation and ICT policies (APEC Services</p>	<ul style="list-style-type: none"> <li>- Human Capital Development;</li> <li>- Technologies and Innovation;</li> <li>- Inclusive Growth;</li> <li>- Sustainable Growth.</li> </ul>	No

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
		Competitiveness Roadmap (2016-2025)).		
<p>Small Cells Deployment in APEC Economies</p> <p>(self-funded, Singapore)</p>	<p>Workshop took place on 5 April 2017 in Mexico City, Mexico. The key objective of this project is to drive the adoption of Small Cells for mobile networks in APEC to support existing and new wireless applications and services. It also aims to enhance mutual learning and understanding in Small Cells deployment to enable APEC economies to benefit from such deployment.</p> <p>The workshop was divided into 3 separate sessions, namely: “Government initiatives and regulations for usage of Small Cells”, “Technology &amp; Product Readiness” and “Pilot Trials &amp; Deployment Experiences”. Based on these overarching themes, economies shared on their regulatory framework for the usage of small cells as well as their experiences in various small cell deployment and trials. This included the deployments with specific objectives to help enhance coverage, provide innovative solutions or to connect the unconnected. Industry representatives spoke about their technology offerings and their experience in the deployment of this technology. The discussions also touched on challenges pertaining to the use of this technology, such as spectrum management, provision of Emergency Services and market competition.</p>	<p>Enhancing Physical Connectivity through development of ICT infrastructure and improvement of provision of the access to broadband Internet (APEC Connectivity Blueprint 2015-2025).</p> <p>Fostering dynamic, competitive and effective telecommunications, innovation and ICT policies (APEC Services Competitiveness Roadmap (2016-2025)).</p>	<p>- Technologies and Innovation;</p>	<p>No</p>
<p>Cybersecurity Framework</p> <p>(self-funded, Thailand)</p>	<p>The project aims at the development of the APEC Cybersecurity Framework, which aims at helping APEC economies improve their understanding and awareness of work going on across the region and in relevant international bodies, promote discussions of best practices for addressing key issues on the topic and begin to identify common themes and frameworks in regional and global approaches to secure, safe and trustful Online environment.</p> <p>A Cybersecurity Framework workshop was held on 4 April 2017 to review and discuss the proposed framework outline presented by</p>	<p>APEC Strategy to Ensure a Trusted, Secure, and Sustainable Online Environment (TSSOE) of 2005.</p>	<p>- Technologies and Innovation, - Human Security.</p>	<p>Ad Hoc Steering Group on the Internet Economy (AHSGIE);</p> <p>Counter-Terrorism Working Group (CTWG).</p>

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
	Thailand. The draft Framework will be circulated for TELWG's suggestions and is expected to be finalized in August 2017 and proposed for endorsement at TEL 56.			
Survey of initiatives in APEC Economies to promote access to ICTs for people with a hearing and/or speech impairment  (self-funded, Australia)	<p>The project proposes to survey APEC Economies to learn about their policies, legislation and initiatives to promote access to ICTs for people with hearing and/or speech impairments, and to develop a report presenting this information and providing an analysis of current trends. It built on the Seminar held at TEL 53 on Social Inclusion of People with Disabilities through Access to Telecommunications.</p> <p>The survey was circulated in Feb 2017 and closed in April 2017, on how economies address accessibility issues for people with impairments. The draft report is expected to be circulated by end of June 2017 and the final report is planned for TEL56.</p>	Increased human development potential through consideration of possible ways to actively include remoted and socially deprived and vulnerable people into economic activities, enhancing people-to-people connectivity (APEC Connectivity Blueprint 2015-2025).	<ul style="list-style-type: none"> <li>- Human Capital Development;</li> <li>- Technologies and Innovation;</li> <li>- Inclusive Growth;</li> <li>- Sustainable Growth.</li> </ul>	Group of Friend of Disability (GOFD)
Earthquakes and Waterfloods Monitoring System with the application of the Internet of Things (IoT)  (APEC-funded, Russia, approved by BMC)	<p>The project aims at maintaining the basis for a monitoring system on earthquakes and waterfloods, through the application of the Internet of Things. Cooperation on the data proceeding through synchronization of the data that is received from the existing monitoring systems and IoT detectors will help to detect emergency (earthquakes and waterfloods) signals on the earliest stages and considerably increase predictability of the existing systems. It would reduce damage of property and number of victims that occur in result of earthquakes and waterfloods as people, who are warned about an emergency earlier, have more chances to rescue themselves. It will help to increase effectiveness of the decision making in ICT sphere, share best practices and coordinate actions through the special platform, develop a unified selection and application of the IoT technologies strategy in the current monitoring of the global natural and technogenic processes systems that would meet the requirements of all member economies.</p> <p>The project will start in September 2017 and end in December 2018. The Workshop is planned to be conducted in the second half of 2018 during the TELWG meeting.</p>	APEC Disaster Risk Reduction Framework (2015); APEC Disaster Risk Reduction Action Plan (2016);	<ul style="list-style-type: none"> <li>- Human Security;</li> <li>- Technologies and Innovation;</li> <li>- Inclusive Growth;</li> <li>- Sustainable Growth.</li> </ul>	Emergency Preparedness Working Group (EPWG)

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<p>Research on multi-language email address usage in e-government (self-funded, China)</p>	<p>The main purposes of the project are to study APEC economies' interests and concerns in the field of usage of this technology of multi-language email address in e-government as well as the possible approaches to deploy this technology.</p> <p>The project was proposed in 2015 and extended its implementation until 2017. Some workshops with participation of relevant organizations or universities are expected in June 2017 to October 2017 to test the multi-language email addresses. A report of the research result will be presented in November 2017.</p>	<p>Develop useful ICT solutions for e-government for better institutional connectivity (APEC Connectivity Blueprint 2015-2025).</p>	<p>- Technologies and Innovation; - Structural Reform.</p>	<p>No</p>
<p>Workshop on Cyber Drill/Exercise (self-funded, Japan)</p>	<p>The workshop is scheduled in Bangkok, Thailand, during TEL56, 10-15 December 2017. All economies are invited to share experiences, lessons learned or best practices on domestic or multi-national cyber drills/exercises to provide a good overview on significances and effects of such exercises.</p> <p>After the workshop, the report and related materials will be circulated to all member economies.</p>	<p>APEC Strategy to Ensure a Trusted, Secure, and Sustainable Online Environment (TSSOE) of 2005.</p>	<p>- Human Security.</p>	<p>No</p>
<p>APEC Partnership Dialogue on Quantum Technologies (self-funded, Russia)</p>	<p>The workshop is scheduled in Bangkok, Thailand, during TEL56, 10-15 December 2017. All economies are invited to share experiences, lessons learned or best practices on quantum technologies development and the ways of their future implementation in the APEC region.</p> <p>After the workshop, the report and related materials will be circulated to all member economies.</p>	<p>Enhancing Physical Connectivity through development of ICT infrastructure and improvement of provision of the access to broadband Internet (APEC Connectivity Blueprint 2015-2025).</p> <p>Fostering dynamic, competitive and effective telecommunications, innovation and ICT policies (APEC Services Competitiveness</p>	<p>- Technologies and Innovation; - Sustainable Growth.</p>	<p>Policy Partnership on Science, Technology and Innovation (PPSTI)</p>

<b>Title</b>	<b>Progress made</b>	<b>Mandate</b>	<b>ECOTECH Priorities</b>	<b>Cross-fora collaboration</b>
		Roadmap (2016-2025)).		

## **2017 SCE FORA REPORT: *Transportation Working Group (TPTWG)***

**Date: 5 September 2017**

### **Summary**

#### **Main progress and achievements of 2017**

In 2017 the TPTWG held one group meeting (TPTWG44) in Taipei, Chinese Taipei.

#### **Land Experts Group**

At TPTWG44, the Land Experts Group:

- continued its important function of information sharing on road and rail safety developments, including contributing to the United Nations Decade of Action for Road Safety 2011-2020;
- continued its exploration of economy initiatives to promote, e.g., motorcycle safety, rail safety and heavy vehicle safety;
- continued to promote commonality of practices between economies through its Vehicle Standards Harmonization Sub-Group.

#### **Maritime Experts Group**

At TPTWG44, the Maritime Experts Group:

- drafted a working group mission statement, and five strategic lines of effort, to better categorise projects and align them to the APEC Connectivity Blueprint 2015-2025;
- developed seven APEC performance indicators for the Maritime Experts Group, per the Lead Shepherd's and Senior Officials' request, as input to the APEC Services Competitiveness Roadmap;
- supported efforts to develop value-added ports by enhancing port logistics, prevent accidents during the waterborne transport of dangerous goods; and promote seafarer capacity-building and the growing cruise line industry;
- welcomed the ongoing work of the APEC Port Services Network (APSN) to promote the Green Port Award System;
- considered various initiatives to enhance port security.

#### **Aviation Experts Group**

At TPTWG44, the Aviation Experts Group:

- Conducted its second trial of holding informal bilateral air services discussions between volunteering economies. Eleven bilateral meetings were held - two more than were held during the first trial at TPTWG43 in September 2016.

- Continued its important function of information sharing on aviation safety and security developments, including initiatives to assist economies achieve compliance with standards and recommended practices of the International Civil Aviation Organization.
- Welcomed reporting on a successful project to increase Performance Based Navigation (PBN) in two targeted developing economies. PBN can reduce aircraft flight time, with consequent environmental benefits from reduced fuel burn.

### **Intermodal and Intelligent Transport Systems**

TPTWG44 enabled the Intermodal and Intelligent Transport Systems Experts Group (IIEG) to facilitate a useful sharing of experiences between economies on the ways in which technology offers efficiency, safety and environmental solutions across transport modes. IIEG held a joint meeting with the GNSS Implementation Team.

### **Global Navigation Satellite System (GNSS) Implementation Team (GIT)**

The 22nd Meeting of the APEC Global Navigation Satellite System (GNSS) Implementation Team (GIT) was held in conjunction with TPTWG44.

APEC Leaders have directed two GIT-related actions: “promote the implementation and use of satellite navigation systems across transport modes”; and “support supply chain diversity, growth, integration and resilience, including through such initiatives as supporting ITS and GNSS improvements and uptake.” The GIT held a workshop to promote GNSS and its support for supply chain growth and ITS. A special session was held with IIEG to share and promote GNSS applications. Among the matters discussed: Satellite Based Augmentation Systems (SBAS); unmanned aerial systems; positioning issues of connected vehicles and autonomous vehicles; and GNSS application to weather forecasting and cross border cold chain logistics.

### **APEC Port Services Network**

The APEC Port Services Network (APSN) held two workshops: 1) on the Safety of Dangerous Goods at Ports (7-8 November 2016, Penang, Malaysia); and 2) on Restructuring of the Shipping and Port Industry: Trends and Challenges (15-16 August 2017, Ho Chi Minh City, Viet Nam). In November 2016, seven ports were awarded the GPAS (Green Port Award System) title, which was officially launched by APSN in 2016. In 2017, eight ports from five economies have applied for the GPAS. In addition, APSN published the “2016 APEC Port Development Report”.

## **Section I: Main Outcome of Plenary Meetings**

### **Plenary Meeting A: Taipei, Chinese Taipei, April 2017 (TPTWG44)**

The meeting was Chaired by Nick Brown, Lead Shepherd, with 17 economies in attendance: Australia; Canada; China; Hong Kong, China; Indonesia; Japan; Korea; Malaysia; New Zealand; Papua New Guinea; the Philippines; Russia; Singapore; Chinese Taipei; Thailand; United States; and Viet Nam. Macao, China attended as an invited guest. The APEC Port Services Network also attended.

### **Women in Transportation**

The United States led a side meeting on Women in Transportation. This provided an opportunity for the five pilots under this work stream to provide an update on progress. Under the Leadership pillar, Malaysia reported on the analysis it had undertaken regarding the training of women for leadership positions in the port sector. New Zealand reported on retention in the maritime sector. Papua New Guinea and Viet Nam reported on progress on the Education and Entry into the sector

pillars. The United States reported on the progress it is making on the Access and use pillar, including identifying a community where an in depth study could be undertaken. Canada reported on a study to help understand the future supply of female entrants to its transport sector.

### **Preparation for the Tenth APEC Transportation Ministers' Meeting**

Papua New Guinea will host the Tenth APEC Transportation Ministers' Meeting (TMM10) from 6-8 October 2017, in Port Moresby. This will provide the opportunity for the TPTWG to present Ministers with recommendations for changes to its structure in order to achieve improved efficiency and effectiveness. Ministers at TMM9 in Cebu, the Philippines, in 2015, directed the TPTWG to undertake the review. Subject to endorsement by Ministers, the recommendations will be implemented with effect from TPTWG45 in 2018.

### **Concept Note Approval Process**

Heads of Delegation discussed and agreed the process for approval of Concept Notes by TPTWG with the view of ensuring thorough discussion on all proposed Concept Notes and enhancing their quality. In summary, all Concept Notes should be discussed and endorsed by Expert Groups prior to consideration by Heads of Delegation for approval. The only exception to this is where Concept Notes are truly cross-modal and do not relate to any specific mode or Expert Group.

**Section II: Progress on Projects and Other Initiatives**

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
Framework of Heavy Vehicle Safety in Transport Supply Chain for APEC Developing Economies TPT 01 2016S	In April 2017, transport officials from six APEC economies met in Brisbane, Australia for a workshop on heavy vehicle overloading. The workshop brought together delegations from Australia, Malaysia, Papua New Guinea, Chinese Taipei, Thailand and Viet Nam. Delegations shared information and experiences about efforts to reduce the impact of heavy vehicle overloading in their economies.	Self-funded project from Papua New Guinea.  Endorsed by TPTWG in 2016.	Technologies and Innovation Human Security	
Best Practices in Policies, Regulations and Flexibility for Resilience of Global Value Chains TPT 01 2016A	This project will increase the resilience of APEC economies to better manage disasters. The project builds on the successes of previous projects that address the Seven Principles of Supply Chain Resilience. The scope of the project includes: <ul style="list-style-type: none"> <li>1) An economy-specific workshop (to provide an opportunity to customise an economy-level action plan based on the Seven APEC Principles of Supply Chain Resilience). Held on 20 March 2017 in Port Moresby, Papua New Guinea.</li> <li>2) An APEC-wide technical workshop (to promote best practice policy, regulations and flexibility to enable global supply chain resilience). Held on 18-19 August 2017 in Ho Chi Minh City, Viet Nam.</li> </ul>	Endorsed by TPTWG in 2016.	SMEs Inclusive Growth Human Security	EPWG
Landside Security Best Practices Guidance Material TPT 03 2017S	An electronic publication will be prepared, compiling the experiences and best practices of member economies and organisations that will serve as guidance material for the development of landside security policy and the implementation of landside security measures/programs. The guidance material will cover various landside security principles and outline considerations that member economies may wish to take note of when designing landside security policy, as well as best practices and measures in executing their landside security policy.  Once completed, the guidance material will be circulated electronically for review and consideration by economies in setting policies for dealing with landside security.	Self-funded project from Singapore.  Endorsed by TPTWG in 2017.	Technologies and Innovation Human Security	

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
Cooperation in the Field of Transport Education for the benefit of Transport Connectivity in APEC TPT 01 2017S	Russia will host a three-day conference in conjunction with the annual international transport event “Transport week – 2017”. The main objective will be to elaborate on recommendations for further actions aimed at APEC economies’ cooperation in the sphere of transport education. The conference aims to stimulate the preparation of a complex program of transport human resourcing for APEC economies. This would contribute to the creation and consolidation of an open multilateral trade system, increase cooperation, provide for sustainable economic growth, and form a common economic and information space within the APEC region.	Self-funded project from Russia.  Endorsed by TPTWG in 2017.	Human Capital Development Regional Economic Integration	HRDWG
APEC Forum on Building the Global Capacity of Seafarers TPT 2 2017S	<p>On October 27-28, 2017, Korea will hold an international forum to explore and exchange knowledge and ideas on the future direction for building the global capacity of seafarers among APEC economies. The forum will:</p> <ol style="list-style-type: none"> <li>1) Identify the key competencies of seafarers in terms of building global capacity in order to be a well-qualified workforce ready to join the world shipping industry;</li> <li>2) Explore a new framework for improved training and an education system to enhance seafarers’ global capabilities;</li> <li>3) Discuss the provision of systematic and continuous development opportunities for seafarers as part of a lifelong learning system; and</li> <li>4) Suggest future actions and request a joint effort among APEC economies to achieve the proposed actions.</li> </ol>	Self-funded project from the Republic of Korea.  Endorsed by TPTWG in 2017.	Human Capital Development	
The Study of Best VGM (Verified Gross Mass) Practices to Maintain and Enhance the Supply Chain Connectivity in the APEC Region	On 1 July 2016, new requirements to verify the gross mass (VGM) of a packed container entered into force under the International Convention for the Safety of Life at Sea (SOLAS). This is a safety measure adopted by the International Maritime Organization (IMO), which aims at saving lives, and preventing injury and the destruction of property.	Self-funded project from Chinese Taipei.  Endorsed by TPTWG in 2017.	Technologies and Innovation Regional Economic Integration Human Security	

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
TPT 04 2017S	<p>The implementation and enforcement of the SOLAS convention within some APEC economies has encountered different levels of challenges amongst the various stakeholders such as shippers, truckers, railways, terminal operators and shipping lines in the intermodal supply chain. These include confusion as to who is responsible for providing the VGM, when the VGM information is required, and who is responsible for the extra costs and delays in the system.</p> <p>Further to the APEC Connectivity Blueprint for 2015-2025, Chinese Taipei proposes a study focussing on the current VGM practices for intermodal container movement between deep-sea ports and inland transportation networks, including international river ports in the APEC region. The study will seek to clarify who is responsible for damage and loss of cargoes, and identify the negative and positive impacts of VGM on major stakeholders. In addition, the study will establish indicators to measure the performance of different VGM practices. All research findings and recommendations will be documented and shared with APEC economies.</p>			
<p>Putting the Brakes on Human Trafficking: Integrating APEC Ministries of Transport into Economies' Domestic and Regional Efforts to Combat Human Trafficking TPT 05 2017S</p>	<p>At TPTWG43 in Kuala Lumpur, Malaysia, the United States invited the NGO A21 to address the opening plenary session and modal Expert Groups in order to promote a proposed concept note designed to help APEC Ministries of Transportation leverage their unique resources and contacts in the Asia-Pacific transportation sector to fight human trafficking.</p> <p>A21 is partnering with the United States to facilitate a self-funded work stream in APEC that will have three objectives:</p> <ul style="list-style-type: none"> <li>• Creating a public awareness campaign designed for the general public utilising the transportation infrastructure.</li> <li>• Creating tools and mechanisms for reporting possible incidents of human trafficking to law enforcement authorities, so that they can engage in saving lives and apprehending human</li> </ul>	<p>Self-funded project from the United States. APEC Transportation Ministers instructed the TPTWG to work on human trafficking in coordination with the ACTWG at their 2015 ministerial meeting held in Cebu, the Philippines.</p> <p>Endorsed by TPTWG in 2017.</p>	Human Security	ACTWG

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
	<p>traffickers.</p> <ul style="list-style-type: none"> <li>Designing and implementing training for the transportation sector workforce to identify and report potential human trafficking across transportation networks.</li> </ul>			
<p>APEC Workshop/Seminar on Capacity Building for Preventing Accidents in Maritime Dangerous Goods and Containers Transportation TPT 01 2017T</p>	<p>Japan proposes a workshop aimed at achieving safer seaborne transportation by enhancing APEC economies' understanding and implementation of the regulations that could prevent accidents involving containerised dangerous goods. Some accidents involving dangerous goods arise from a lack of knowledge of the applicable international regulations. Another challenge is ensuring that all of the relevant parties involved in ocean shipping follow these regulations rigorously.</p> <p>The participants targeted for the workshop would be the relevant staff in the maritime authorities of APEC economies. The workshop would be held in Japan (or another economy where TPTWG will be held).</p>	<p>Endorsed by TPTWG in 2017.</p>	<p>Human Capital Development Technologies and Innovation</p>	

## 2017 SCE FORA REPORT: *Tourism Working Group (TWG)*

**Date:** 17 August 2017

### Summary

#### 1. Main progress and achievements of 2017

#### **TWG Work Plan for 2017 in Response to Leaders/Ministers/SOM/SCE Priorities and Decisions, and to ABAC recommendations.**

In 2017, the Tourism Working Group (TWG) aimed to foster economic development in the Asia-Pacific region through growth in travel and tourism by taking on such issues as sustainable tourism development, travel facilitation, labor and skills development and inclusive growth. Throughout the year, the TWG undertook work to increase traveler movement, stimulate investments in destination development and infrastructure, and strengthen the capabilities of industry workers and institutions, in close cooperation with other public and private sector multilateral organizations.

In alignment with the TWG Strategic Plan 2015-2019, the TWG aimed to create the following conditions to enable successful implementation of specific work plan initiatives:

- Enable a better understanding of the importance of tourism by leaders and policy makers;
- Establish stronger linkages with other APEC working groups, the private sector and international organizations; and
- Foster appreciation of the region as a competitive tourism destination through sharing of best practices on marketing and promotion, sustainable growth, travel facilitation models and capacity building.

#### A. TWG Outcomes and Deliverables for 2017:

- 1.1. High Level Policy Dialogue on Sustainable Tourism;
- 1.2. Workshop on Developing Sustainable Tourism in the Context of Climate Change;
- 1.3. Third annual State of APEC Tourism Report for APEC leaders and public and private sector stakeholders (under finalisation);
- 1.4. Completion of TWG project on Developing Traveller-Friendly Airports in the APEC Region, with recommendations for best practices and self-assessment tool (TWG 01 2015);
- 1.5. Create and distribute a follow-up evaluation survey for traveller-friendly airport study (TWG 01 2015).
- 1.6. Completion of TWG project on Developing the Tourism Workforce of the Future through Labour and Skills Development, Certification and Mobility in the APEC Region, with recommendations for best practices on developing labour and skills in the tourism workforce and creation of a cross-fora roadmap for implementation (TWG 02 2015);
- 1.7. Development of 1-2 new project proposals/deliverables which support the TWG Strategic Plan and direction from the Ministers at TMM9, as well as incorporate other fora and the industry; and
- 1.8. Capacity building activities, including exchange of best practices and experiences among member economies, based on the four Strategic Plan priority areas, at the two TWG meetings in 2017 and determine future areas for collaboration between economies and with industry guests.

#### B. TWG Cross-cutting issues with other fora:

**Sustainable and inclusive growth.** Under the leadership of Viet Nam's host year, and in keeping with the TWG's Strategic Plan, the TWG has been specifically focused in 2017 on

sustainable tourism and inclusive growth, including hosting the High-Level Policy Dialogue on Sustainable Tourism. This is a cross-cutting issue with multiple TWG fora, including the SMEWG, HRDWG, and TPTWG.

**Competitiveness in services.** The TWG is participating in the APEC Competitiveness Services Roadmap to further the objectives of expanding trade and investment in services in APEC economies via improvements in physical, institutional, and people-to-people connectivity and creating jobs and growth while promoting social inclusion and human development, among others. The TWG is responsible for the following action: *Support APEC’s work on developing travel and tourism in the region to support sustainable and inclusive growth, building on the work of the APEC Tourism Strategic Plan.*

**Travel facilitation.** Continue participating in the TFI Steering Council. Work with TFI fora to determine where joint activities/projects can take place. For example, both the TWG and TPTWG are doing work relating to connectivity. TWG will also work with the TFI Steering Committee to further incorporate ongoing TWG activities/projects, particularly during the implementation of the mid-term review of the TFI recommendations.

**Skills development.** The TWG is implementing a project to explore barriers and benchmark approaches to facilitating labour mobility, enhanced career pathways, and access to improved training. This is a cross-cutting issue with the Human Resources Development Working Group.

## 2. Recommendations to SCE/SOM

2.1 Ministers and high-level officials at the High-Level Dialogue on Sustainable Tourism seek the consideration of APEC’s Leaders to include in their Declaration a statement on the importance of sustainable tourism as a driver for regional economic integration, sustainable and inclusive economic growth, and an important means for promoting further business development and job creation, economic, financial and social inclusion, enhancing connectivity with a view to building a peaceful, stable, dynamic, resilient, inclusive and seamless Asia-Pacific community for the people and businesses.

2.2 TWG will request SCE/SOM Endorsement of the Third Annual State of Tourism Report (2017)

## Section I: Main Outcome of Plenary Meetings

### 1. 50<sup>th</sup> APEC Tourism Working Group Meeting, 23-25 February 2017 in Nha Trang, Viet Nam

- The 50<sup>th</sup> APEC Tourism Working Group Meeting was chaired by TWG Lead Shepherd, Ms. Jennifer Aguinaga (USA), and attended by 16 APEC member economies, ABAC and TWG Guest organizations: AICST, IATA, Macao Economic Services, OECD, PATA, and WTTC
- The meeting discussed progress against the TWG Strategic Plan; reported on 3 current TWG projects, 2 concept notes and one self-funded project; reviewed the 2016 State of APEC Tourism Report and development of the 2017 version to be delivered to APEC leaders in early 2017; held an information-sharing session on best practices and current issues by TWG economies and guests; and held a special session led by Viet Nam to prepare for the High-Level Dialogue on Sustainable Tourism.

### 2. High-Level Policy Dialogue on Sustainable Development, 18-20 June 2017 in Ha Long, Viet Nam

- The APEC High-Level Policy Dialogue on Sustainable Tourism was chaired by the Minister of Culture, Sports and Tourism, Honorable Nguyen Ngoc Thien (Viet Nam), and was attended by 18 member economies, APEC Executive Director, ASEAN Secretary General, IATA, Macao China, UNWTO, and speakers from GSTC and Tetra Pak.
  - The Dialogue had the theme of “Promoting Sustainable Tourism for an Inclusive and Interconnected Asia-Pacific.” The meeting discussed major topics of importance under this theme, namely, (i) Best practices in sustainable tourism development; (ii) Sustainable tourism amid the fourth industrial revolution; (iii) aviation’s contribution to economies and response to environmental challenges; (iv) Global Sustainable Tourism Council criteria and recommendations for APEC; (v) sustainable tourism for development and job creation; and (vi) empowering local community, MSMEs and workforce for sustainable tourism development.
  - Ministers and high-level officials also issued a High-Level Statement, highlighting the outcomes of the Dialogue and encouraging the TWG to (1) focus on economic, financial and social sustainability and inclusion in its future work; (2) leverage connectivity to increase inclusive growth; (3) consider the establishment of a network of sustainable, inclusive and integrated tourism destinations among APEC member economies; (4) work with other APEC fora and relevant international and regional organizations to share best practices and foster synergies in promoting sustainable tourism growth; and (5) highlight best practices of APEC economies in measurement and monitoring methodologies that are undertaken to enhance sustainable tourism.
- 3. 51<sup>st</sup> APEC Tourism Working Group Meeting, 9-11 October 2017 in Penang, Malaysia**
- Detail to be added upon completion of meeting.

**Section II: Progress on Projects and Other Initiatives**

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
<b>TWG 01 2015:</b> “Developing Traveller-Friendly Airports to Improve the Passenger Experience in the APEC Region”	Project by the United States - Workshop held in May 2016 in Lima, Peru - Finalized in February 2017	8 <sup>th</sup> APEC Tourism Ministers Meeting in Macau set the goal of 800 million international travellers among APEC economies by 2025.	Regional Economic Integration  Inclusive Growth	TPTWG
<b>TWG 02 2015:</b> “Developing the Tourism Workforce of the Future through Labour and Skills Development, Certification and Mobility in the APEC Region”	Project by Australia - Workshop held in August 2016 in Kokopo, PNG - Survey conducted through September 2016 and case studies request underway to 6 member economies. - Project completed in 2017.	ECOTECH priority of human capital development is a Peru Year priority. Under the APEC Connectivity Blueprint for 2015-2025, APEC Leaders committed to strengthening people-to-people connectivity through human resources development	Human Capital Development  Regional Economic Integration	HRDWG
<b>TWG 01 2016 - APEC</b> Workshop on Volun-Tourism Best Practices: Promoting Inclusive Community-Based Sustainable Tourism Initiatives	Project by Papua New Guinea -PO is conducting RFP with initial guidance from Secretariat		Inclusive Growth  Human Capital Development  SMEs	
<b>HRD 12 2016S</b> Self-Funded Project: APEC Occupational Standards Framework: Pilot in the Travel,	Project by Australia and Peru	Under the APEC Connectivity Blueprint for 2015-2025, APEC Leaders committed to strengthening people-	Regional Economic Integration  Human Capital Development	HRDWG

Title	Progress made	Mandate	ECOTECH Priorities	Cross-fora collaboration
Tourism and Hospitality Industry		to-people connectivity through human resources development		
<b>CTWG 01 2016A</b> – APEC Workshop on Strengthening Tourism Business Resilience against the impact of Terrorist Attack	Project by Indonesia -TWG providing support for CTWG only -TWG delegates attended the workshop -CTWG provided recommendations and summary record to TWG		APEC Consolidated Counter - Terrorism and Secure Trade Strategy	CTWG
CTI-Initiative: SMEs Integration into Global Value Chains in Service Industries Initiative	Initiative from Peru as 2016 Host Economy and Korea - Provide a set of policy recommendations on how to promote services GVCs and advance cross-border trade in services in order to benefit from services growth.  -To date, 3 volunteer economies have compromised on leading works in different key services industries: Peru in the Tourism Sector, Korea in Software and Viet Nam in Logistics and Distribution.  - Peru has submitted a Concept Note to CTI “SMEs’ Integration into Global Value Chains in Services Industries: Tourism sector” to develop a comprehensive study on structures, main strategies for MSMEs to participate in tourism GVCs, as well as best government practices and policies on facilitating MSMEs access to tourism GVCs.	2016 APEC Economic Leaders Meeting, where Leaders encouraged to implement further efforts to enable better participation of MSMEs in GVCs. 2016 APEC Ministerial Declaration where Ministers endorsed the APEC Services Competitiveness Roadmap 2016-2025	SMEs	CTI SMEWG
Proposed Concept Note: APEC Economic Study on Impact of Cruise Tourism	Proposal by Papua New Guinea -submitted as a Concept Note for Project Session 2/2017 The Concept Note is supported by Australia, Japan, Peru, the Philippines and Russia as co-sponsors.	APEC Connectivity Blueprint; SMEWG Strategic Plan; 2016 Tourism Ministerial Declaration	Regional Economic Integration  Inclusive Growth	TPTWG; SMEWG
Project Concept Note:	Proposal by Malaysia	APEC Connectivity	Inclusive Growth	

<b>Title</b>	<b>Progress made</b>	<b>Mandate</b>	<b>ECOTECH Priorities</b>	<b>Cross-fora collaboration</b>
Muslim-Friendly Tourism	-submitted as a Concept Note for Project Session 2/2017 The Concept Note is supported by Chinese Taipei, Papua New Guinea and Peru as co-sponsors.	Blueprint; APEC Services Competitiveness Roadmap		
Project Concept Note: Prospect analysis for sustainable development of tourism in remote areas of APEC economies	Proposal by Russia -submitted as a Concept Note for Project Session 2/2017 The Concept Note is supported by Indonesia, Papua New Guinea, and the Philippines as co-sponsors.	APEC Connectivity Blueprint ; APEC Strategy for Strengthening Quality Growth	Inclusive Growth  Regional Economic Integration	SMEWG, BMG