



**Asia-Pacific  
Economic Cooperation**

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Agenda Item: 3

## **Policy Partnership on Science, Technology and Innovation Work Plan for 2020**

Purpose: Information  
Submitted by: PPSTI Chair



**15th Policy Partnership on Science,  
Technology and Innovation Meeting  
Putrajaya, Malaysia  
13-14 February 2020**

**Proposed Work Plan for 2020  
Policy Partnership on Science, Technology and Innovation (PPSTI)**

**Introduction**

Science, Technology and Innovation (STI) represents an important pathway to improve the quality of growth, promote economic and social development, address common challenges and achieve prosperity of the Asia-Pacific and beyond. To achieve this, it is necessary that STI act as a cornerstone in development agendas to drive the APEC Growth Strategy in achieving balanced, inclusive, sustainable, innovative, and secure growth quality growth in the region.

With the advent of information technology and Fourth Industrial Revolution, STI will be at the forefront to transform lives and drive technology inception, commercialization and deployment across all sectors. It is important that Policy Partnership on Science, Technology and Innovation (PPSTI) Working Group continues to strengthen the STI ecosystem and connectivity network in an open, accessible, and effective way to accelerate knowledge sharing and technological collaboration in keeping up with fast-changing landscape of new technologies. PPSTI understands the increasing needs to promote sustainable lifestyle in addressing common challenges such as climate change, energy depletion, food security and environment conservation, and will continue to seek regional joint resolution in mitigating such impact.

The PPSTI 2020 theme and priorities will guide its meetings, the public-private dialogue and fora project proposals conceived annually, and will generate policy recommendations for APEC Ministers' considerations. PPSTI will also strengthen its work through three subgroups namely, Subgroup on Building Science Capacity, Subgroup on Promoting Enabling Environment for Innovation and Subgroup on Enhancing Regional Science and Technology Connectivity to achieve the PPSTI Strategic Plan 2016-2025.

PPSTI will continue collaboration with the Telecommunications and Information Working Group (TEL), Human Resources and Development Working Group (HRDWG), Energy Working Group (EWG), Ocean and Fisheries Working Group (OFWG), Chemical Dialogue (CD), Policy Partnership on Food Security (PPFS), Senior Finance Officials' Meeting (SFOM), Small and Medium Enterprises Working Group (SMEWG) and Policy Partnership on Women and the Economy (PPWE), Emergency Preparedness Working Group (EPWG) and other APEC fora directly related to STI. PPSTI will also continue to work with the Association of Pacific Rim Universities (APRU), the World Intellectual Property Organization (WIPO) and ASEAN Committee on Science and Technology (COSTI), among others.

The PPSTI notes the APEC 2020 theme "Optimising Human Potential Towards A Future of Shared Prosperity" which promotes inclusive economic and social development to achieve shared prosperity of the Asia-Pacific and beyond. The theme will focus on the following priorities: Changing the Narrative of Trade & Investment ;Inclusive Economic Participation Through Digital Economy and Technology; and Driving Innovative Sustainability.

For 2020, the PPSTI theme will be “Enhancing Innovation and Sustainability Through Inclusive Collaboration”. This theme is aligned with Malaysia’s APEC 2020 host year priorities:

- 1) Advancing STI for Sustainability: promote sustainable innovation to support the transition to low carbon economy and circular economy through industry 4.0, digital technology, and green technology, including green financing;
- 2) Research Connectivity for Commercialization: harness big data through open science initiatives to promote commercialization and to provide solutions for common challenges faced by APEC economies; and
- 3) Inclusivity in Science: promote social cohesion and gender equality in science; address STI advancement gaps in the APEC region by enhancing technological capacity in Micro, Small & Medium Enterprises (MSMEs).

## I. Expected Outcomes/Deliverables for 2020

- 1.1. Two PPSTI meetings: SOM1 - PPSTI15 in February 2020 and SOM3 - PPSTI16 in August 2020.
- 1.2. Develop a PPSTI-endorsed policy statement based on the PPSTI 2020 theme and priorities, discussions at PPSTI meetings and seminars. This statement will be submitted to APEC ministers and will be published on the PPSTI website.
- 1.3. Continue to implement and update Key Performance Indicators under the PPSTI Strategic Plan (2016-2025). Annual progress and achievements on PPSTI-led initiatives and projects to be reported to SOM Steering Committee on ECOTECH (SCE). In 2020, this includes reporting on the evaluation of the PPSTI Strategic Plan (2016-2025).
- 1.4. Hold an APEC PPSTI Public-Private Dialogue at PPSTI15 based on PPSTI 2020 theme and priorities. The outcomes of the dialogue session will contribute to evidence-informed decision-making at PPSTI meetings.
- 1.5. Hold an APEC Research and Technology (ART) Seminar at PPSTI16 to analyse and recommend future directions for PPSTI-APEC projects and use the outcomes of the seminar in PPSTI fora discussions.
- 1.6. APEC Centers to report at PPSTI16 and propose long-term mechanisms in increasing networking and collaboration between APEC Centers and APEC member economies.
- 1.7. ASPIRE PRIZE to be awarded at PPSTI16 based on Malaysia's proposed theme "Biodiversity for a Prosperous Economy"
- 1.8. Hold 2020 ACTS Annual Meeting on APEC Resilient City (to be determined).
- 1.9. Hold an APEC PPSTI forum on cooperation to prepare MSMEs on the impact of digital technology and industry 4.0 by the fourth quarter of 2020. This is based on PPSTI 2020 priorities particularly under (Priority 1) Advancing STI for Sustainability
- 1.10. Enhance dialogue and collaboration with private sector and academia to ensure closer alignment between policy formulation and the STI-related needs of the private sector community in the APEC region.
  - 1.10.1. Invite partners from academia and private sector including MSMEs to participate in PPSTI meetings as Non-Member Participation (NMP).
  - 1.10.2. Increase engagements at APEC Project level with the APEC Business Advisory Council (ABAC) to enhance private sector cooperation opportunities; and with the Association of Pacific Rim Universities (APRU) on academic participation.
  - 1.10.3. Send a PPSTI representative to the International Association of Science Parks and Areas of Innovation (IASP) meeting.

- 1.11. Coordinate activities with the Telecommunications and Information Working Group (TEL), Human Resources and Development Working Group (HRDWG), Energy Working Group (EWG), Ocean and Fisheries Working Group (OFWG), Chemical Dialogue (CD), Policy Partnership on Food Security (PPFS) and Emergency Preparedness Working Group (EPWG), Senior Finance Officials' Meeting (SFOM), Small and Medium Enterprises Working Group (SMEWG) and Policy Partnership on Women and the Economy (PPWE) through joint discussions. Seek feedback from a cross-fora coordinator pertaining to improve coordination and cooperation between the foras in complementing PPSTI objectives and annual priorities.
- 1.12. Implement ongoing and upcoming PPSTI projects and activities, listed below in Section II. Encourage member economies to propose Concept Notes (CNs) for APEC Session I and II, and invite Project Overseers (POs) to share their new initiatives or report the progress of their ongoing projects at PPSTI15 and PPSTI16.

## II. Progress on Projects and Other Initiatives

Title / Project Overseer and Lead Economy	Summary of Specific Plans	Mandate (Leaders/Ministers/SOM/SCE Priorities and Decisions, Strategic Plans and to ABAC recommendations)	ECOTECH Priorities and/or Host Year Priorities	Cross-fora collaboration (Within APEC and beyond APEC)
<b>ANNUAL ACTIVITIES</b>				
<b>APEC Climate Center (APCC):</b> APEC Climate Symposium 2020	Concept Note will be submitted for the 1 <sup>st</sup> project session of 2020. , the APEC Climate Symposium 2020 will explore effective communication strategies and best practices in delivering the climate services to the public through public-private partnership for a successful emergency preparedness. APCC will continue to raise awareness, build partnerships, promote the implementation of climate information and services in minimizing loss and damages caused by climate change. Details TBD)	Annual PPSTI activity	- ECOTECH Priority: Technologies and Innovation - Host Year Priorities: The Future: Driving Innovative Sustainability	
<b>APEC Research Center for Typhoon and Society (ACTS)</b>  APEC Resilient Science and Technology	Economic development and sustainability can be severely impacted by climate extremes and natural disasters on extensive interruptions to daily livelihood, lifeline systems, critical infrastructure or education. Under APEC, through cross-fora coordination and collaboration, Policy Partnership for Science, Technology and Innovation (PPSTI) and Emergency Preparedness Working Group (EPWG) provided one of the best platform to synergy resources at regional level to benefit APEC stakeholders on strengthening disaster risk management and sustainable development. Considering the dynamics and diverse impacts of natural disasters, we encourage the continuous investment on science, technology and innovation for resilience city on adaptation countermeasures in APEC region. Chinese Taipei extended our sincere invitations to PPSTI member economies to join the ACTS annual activities in APEC Resilience Week held in Taipei aimed at enhancing resilience for APEC inclusive and sustainable growth. Self-funded Cover sheet will be submitted for the 2 <sup>nd</sup> project session of 2020.	Annual PPSTI activity	- ECOTECH Priority: Technologies and Innovation	Emergency Preparedness Working Group (EPWG)
<b>APEC Mentoring Center for the Gifted in Science (AMGS):</b> APEC Youth Scientist Journal	Ongoing. Publishing the <u><a href="#">APEC Youth Scientist Journal</a></u> . <u><a href="#">AMGS Cross Mentoring Research Activity</a></u> is ongoing. It is a research mentoring program for the S&T research activity of young students. AMGS makes the online space where they can meet based on IT infrastructure and support them to carry out research activity in their field of interests.	Annual PPSTI activity	- ECOTECH Priority: Technologies and Innovation	

AMGS Cross Mentoring Research Activity				
<b>APEC Research &amp; Technology (ART) Program 2020</b>	The ART Workshop will be held in Malaysia, in August in back-to-back session with PPSTI 16 during SOM3. Dates and location are to be confirmed. The ART program will be developed in alignment with 2020 PPSTI theme and priorities, and in cooperation with PPSTI chair and co-chairs and Australian government (to link with CSAE outcomes). Tentative theme for 2020 ART is .....	Annual PPSTI activity	- ECOTECH Priority: Technologies and Innovation	
<b>APEC Science Prize for Innovation, Research, and Education (ASPIRE) ASPIRE 2020</b>	ASPIRE promotes collaboration, innovation, entrepreneurship, and excellence among young scientists in the APEC region, and highlights the importance of cross-border research in APEC. ASPIRE Prize is to be awarded at PPSTI16 Penang, Malaysia. The topic for the prize is "Biodiversity for a Prosperous Economy".	Annual PPSTI activity	- ECOTECH Priority: Technologies and Innovation	Private Sector sponsors: Elsevier and Wiley (research publishing companies)
<b>Asia-Pacific Center for Theoretical Physics(APCTP) APEC Young Scientist Training Program</b>	Ongoing. The APEC YST programme as an annual program has been endorsed by PPSTI with the support of the Korean government since 2015. It has been implemented in the name of a multi-year self-funded project. APCTP opens a few positions for the Asia-Pacific Economic Cooperation Young Scientist Training (APEC YST) program at the postdoctoral fellow level in theoretical physics and related fields in 2020 and requests APEC member economies to nominate at least one person for the APEC YST postdoctoral positions. APEC study center is also invited to nominate candidate.	Annual PPSTI activity	- ECOTECH Priority: Technologies and Innovation	
PPSTI Innovation Policy Sharing Seminar	PPSTI12 held an Innovation Policy Sharing Seminar titled "Supporting Innovation for Health: Roundtable with the Private Sector." The Seminar included the framing question: what policies are needed to further spur commercially-viable innovation to support resilient living and healthy aging. Invited speakers from the private sector, academic, and research institutions contributed expertise to the 2018 PPSTI Policy Statement.	Annual PPSTI activity	ECOTECH Priority: Technologies and Innovation	
APEC Center for Technology Transfer	Ongoing. A workshop on experience sharing of technology transfer is scheduled to be held in October, 2019. Topics on technology transfer will be discussed, include: 1) Policy and environment, 2) Capacity building, 3) Practices to support SMEs development, 4) Technology evaluation tools, 5) Intellectual property licensing, 6) New technology foresight, etc. With the outcome of 2nd APEC-PPSTI "APEC Centers" Cooperation Conference, this workshop will be supported by network of APECTT and seek participation of the PPSTI APEC centers and APEC economies.	Annual PPSTI activity	- ECOTECH Priority: Technologies and Innovation	

<b>2020 PPSTI PROJECTS/INITIATIVES (ONGOING AND UPCOMING – In Order of Implementation Date)</b>				
<b>Title / Project Overseer and Lead Economy</b>	<b>Progress</b>	<b>Mandate (Leaders/Ministers/SOM/SCE Priorities and Decisions, Strategic Plans and to ABAC recommendations)</b>	<b>ECOTECH Priorities and/or Host Year Priorities</b>	<b>Cross-fora collaboration (Within APEC and beyond APEC)</b>
<b>(APEC funded: PPSTI 01/2018A)</b> APEC Public-Private Dialogue on Sharing Economy and Digital Technology Connectivity for Inclusive Development	<p>The Project focuses on sharing economy and digital technology connectivity towards digital future that brings opportunities and challenges to inclusive development in APEC region. The project will host two seminars as PPSTI's first public-private dialogue that enables public and private sectors to jointly collect, analyze and study best practices and develop policy recommendations on how to reinforce public private partnership in digital future. Seminar 1 was held in on the Aug 25 during SOM3 in Chile focusing on regulatory and policy cases. Seminar 2 will be held in 2020 in Malaysia in conjunction with a PPSTI15, focusing on developing policy recommendations.</p> <p>Project report with case studies and policy recommendations will be published after completion all events.</p>	Endorsed by PPSTI in 2018	- ECOTECH Priority: Technologies and Innovation	
<b>(APEC funded: PPSTI 01 2019A)</b> Research Network for Women in STEAM	<p>This Project focuses on a recognized need to advance in greater inclusion of women in the regional economy and address gender barriers in women's participation in Science, Technology, Engineering, Arts and Mathematics (STEAM) and in Science, Technology and Innovation (STI) sectors. The project is set to make visible women professionals and researchers, through building a Research Network for Women in STEAM. This Network will reflect women representation, helping to prevent the exclusion of women experts and encourage the connectivity of actions that will strengthen the STEAM ecosystem. A workshop held in Santiago, Chile during 3 days (including 1 day field trip) in August 2020. The outcomes expected are: (i) to exchange ideas and promote best practices; gender perspective in research; (ii) to design a women's network in STEAM for APEC economies through engaged discussions (iii) to better understand the challenges by visiting related institutions in Chile; (iv) to set an online network for Women in STEAM Network, to build upon the experience and provide continuity of the project. The network will be open and accessible to researchers and professionals in all regions.</p>	Endorsed by PPSTI in 2019	- ECOTECH Priority: Technologies and Innovation	

<p><b>(APEC funded: PPSTI 02 2019A)</b> Promoting Innovation City Development in APEC Region and Cooperation to Contribute to Regional Integration 4.0 and Sustainable Growth</p>	<p>The project focuses on “Innovation city” which is a concept about studying and improving innovation ecosystem of a city to promote development of innovation chain, thus further satisfy needs of innovation and technology industrialization. It could become strong driving force to quality growth of APEC under the tendency of city development, and benefit well-being of humanity. The Project aims to draw attention to innovation city in APEC region. It addresses 2019 APEC’s priority of “move towards integration 4.0 - having uniform procedures and regulations to ease trade”. The Project plans to organize a 3-day Seminar in Shenzhen, China in Apr. 2020 that aims to conclude mutual understandings and common sense about innovation city concept, and thus work out content framework of Study Report, the major outcome document of the Project.</p>	<p>Endorsed by PPSTI in 2019</p>	<p>- ECOTECH Priorities: Strengthening the dynamism of SMEs, Technologies and Innovation. - Host Year Priorities: The Future: Driving Innovative Sustainability</p>	
<p><b>(APEC funded: PPSTI 03 2019A)</b> APEC Incubator Capacity Building Symposium</p>	<p>The Project focuses on inevitable trends of digital society, aiming at enhancing understandings to the so called ‘accumulative effect’ in startups incubator, and examine the interactions between STI policies, incubators and startups. APEC Startups Incubator Capacity Building Symposium towards Digital Society will highly value 4 issues as follow. 1) Policy incentives for startups incubator. 2) Incubator capacity building and entrepreneurship ecology. 3) Incubator helps MSMEs for digital transformation. 4) Female entrepreneurs and executives capacity building through incubator.  The Project plans to organize 2 seminars. Seminar 1 will be held in April 2020 in Beijing, China and Seminar 2 will be held in conjunctions to PPSTI meeting in September 2020 in Malaysia.</p>	<p>Endorsed by PPSTI in 2019</p>	<p>- ECOTECH Priority: Technologies and Innovation</p>	
<p><b>(APEC funded: PPSTI 04 2019A)</b> Workshop on Cluster Collaboration Opportunities in the Asia-Pacific</p>	<p>The Project focuses on clusters that play an important role in most APEC economies such as advance entrepreneurship, investment and employment, and foster STI partnership among public sector, academia and business. In many ways, clusters’ excellence is due to their external linkages, involvement in global value chains and knowledge sharing. The proposed workshop is designed to strengthen collaboration among clusters in the Asia-Pacific. It aims at: (1) increasing visibility of members of clusters located in APEC economies; (2) sharing best practices of clusters’ going global; (3) enabling women to start searching for career opportunities in cluster-related activities. By obtaining and strengthening international capacities of cluster members, this project will (1) engage government, academia and private sector stakeholders (both male and female) of APEC economies in multifold and comprehensive STI cooperation, and (2) deepen regional economic integration and connectivity in the Asia-Pacific.</p>	<p>Endorsed by PPSTI in 2019</p>	<p>- ECOTECH Priority: Technologies and Innovation</p>	
<p><b>(APEC funded: PPSTI 05 2019A)</b> Integrated Water Resource Management (IWRM): Best Practices, Norms and their</p>	<p>The Project focuses on unintegrated and fragmented water management approaches that drives greater shortage of water recourses on global level beyond climate change drivers. The project aims to be able to share best practices, norms, regulations, and implementations on local and international levels. The project will seek</p>	<p>Endorsed by PPSTI in 2019</p>	<p>- ECOTECH Priority: Technologies and Innovation</p>	



Implementation within APEC Region	usage of digital technology (images, applications, etc.) along with other instruments to address the issue of IWRM. The project will host a one on-site event in Santiago for 3 days in June 2020 and generate final report on outcomes of the conclusions. The event will include the following activities: Days 1 and 3 will cover three topics - (i) Existing norms, regulations and instruments on IWRM on local and/or economy-wide levels, (ii) Best IWRM practices, tools and their alignment with Sustainable Goals, (iii) capacity building on digital technologies available (at least one technology), and (iv) Elaboration of Framework on IWRM Best Practices in APEC region. Day 2 is for a visit to a facility/center which works on/implements IWRM concept. The workshop also aims to connect experts on IWRM of APEC region and build their capacity, especially on usage of available digital technologies.			
<b>(APEC funded: PPSTI 07 2019A)</b> A Workshop on Improving Technology Commercialization of University Research to Foster Economic Growth in APEC Economies	The Project aims at APEC member economies to adopt best practices to foster increased commercialization of university research, creating more jobs, investment, and economic growth. Technology commercialization is defined as the creation of value from research or other knowledge-related assets driven by market forces. A three-day workshop for STI leaders on technology commercialization policy, methods/tools, and talent development is proposed. The workshop will enable developed and developing economies to learn, share, and strengthen their abilities, skills and technical know-how to improve their policies/regulations, institutional structures, and commercialization processes. The Handbook of APEC Technology Commercialization Principles will serve as a training resource, and the workshop will include peer-to-peer discussions, commercialization training sessions/experiential activities, and case exchanges. The workshop will be held in Atlanta, Georgia (USA) in May 2020 and will train STI leaders from APEC member economies who have the ability to guide systematic change in how university research is commercialized.	Endorsed by PPSTI in 2019	- ECOTECH Priority: Technologies and Innovation	
<b>(APEC funded: PPSTI 08 2019A)</b> The Innovation in Public Transportation (INPUT) Competition	This Project aims at contributing towards the objectives of APEC's Connectivity Blueprint 2015-2025 by conducting an "Innovation in Public Transport" (INPUT) competition focused on two areas – innovative practice in systems operation and technological or digital innovation – intended to facilitate economic and technical cooperation (ECOTECH) and to progress APEC's connectivity vision. Key planned activities: 1. Convening an APEC-wide transport experts' panel to adjudicate competition entries, seek further governmental, institutional, organizational and entrepreneurial involvement, and encourage greater cooperation between APEC economies. 2. An "INPUT" Competition focused on public transport developers and operators by offering a prize for innovative best practice and on academic institutions and SMEs by offering a prize for technical innovation. The Shortlist Platform will take place in May 2020 in Shanghai alongside the CIRC2020 major rail and metro industry conference platform to enhance its impact in contributing towards	Endorsed by PPSTI in 2019	- ECOTECH Priority: Technologies and Innovation	

	<p>APEC's vision for institutional and people-to-people connectivity, and the Awards Ceremony in September or October 2020.</p> <p>3. An "INPUT" Report closely aligned with the identified scientific and technical policy priorities of the experts' panel and briefing on the content of competition entries, which will act to foster greater collaboration on innovative transportation solutions and promote discussion on economic, scientific and technical challenges and opportunities.</p>			
<p><b>(APEC funded: PJ Number to be given later)</b> Green Synergy Solutions in APEC Region</p>	<p>This proposal aims at promoting sustainable growth by integrate the heat and hydrogen storages from renewable energies, and then convert to electricity and to smart grid system for solving the significant uncertainty of solar and wind power issues. The project also meets the 2019 APEC priorities, the monitoring global change of the focus of PPST1, and the reducing energy intensity and low carbon development of the major goals of EWG.</p> <p>The project plans to conduct a policy dialogue, workshop, O2O educational system and technical site visit during March to September 2020 at Chinese Taipei. The events plan to invite professionals, private sector experts, representative of member economies and participants from APEC region to join the events. Through the events, the participants have chances to interact face-to-face, bilateral exchange current research developments on green synergy technologies enhancing access to affordable, sustainable, reliable, clean energy and technologies in APEC Region.</p>	Endorsed by PPST1 in 2019	- ECOTECH Priority: Technologies and Innovation	
<p><b>(APEC funded: PJ Number to be given later)</b> Capacity Building for Digital Innovation using Block-chain technology</p>	<p>This Project focuses on the block-chain renaissance doubt broaden the horizon of positive change for many societies. Despite the challenges in key areas including: 1) developing other sound use-cases of blockchain that is free from crypto currencies and 2) restructuring it so that it facilitate the curbing of tax evasion and criminal financing, we encourage economies, through this project, to bridge policy gaps and advocate better linkage of regional digital economies through capacity building and experience sharing on the matter concern.</p> <p>China is proposing to host two workshops respectively in Guangzhou, China and Kuala Lumpur, Malaysia. The first workshop will share best practices from the private sector and academia of APEC economies regarding the relevant block-chain oriented technologies and applications design. The main application sector will be: 1) sustainable green energy, 2) traceable, green safe food supply, 3) decentralized financial applications.</p> <p>The second workshop shall discuss new regulatory frameworks and governance structures that supports the deployment, and most importantly ethical of blockchain technology. A final policy recommendation will be submitted to APEC.</p>	Endorsed by PPST1 in 2019	- ECOTECH Priority: Technologies and Innovation	

<p><b>(Self-funded: PPSTI01 2019S)</b> APEC TRP (Topical Research Program)</p>	<p>APEC TRP aims at providing means to jointly develop new initiatives and research across all fields in science, technology, and innovation through APEC research network. APEC TRP would contribute to bringing together scientists from APEC Centers, policymakers and people of the Asia Pacific region and beyond by serving as a bridge to the less-connected and less-supported research communities of some APEC economies. It would also increase the mobility of researchers across the Asia Pacific region and foster the establishment of scientific excellence.</p> <p>APEC TRP is:</p> <ul style="list-style-type: none"> <li>- open to APEC Centers and researchers from the Asia Pacific region;</li> <li>- collaborating in a field of science, technology, and innovation of common interest to APEC economies;</li> <li>- based on a joint research programme through a range of networking tools such as meetings, conferences, workshops and training schools.</li> </ul> <p>APEC TRP invites researchers throughout APEC economies to submit proposals for research to challenge any natural disaster-related topics. Following a thorough evaluation and selection process, the decision for funding a proposal is taken by the selection committee. Researchers can also apply to join an existing APEC TRP or become involved in various APEC TRP activities.</p>	<p>Endorsed by PPSTI in 2019</p>	<p>- ECOTECH Priority: Technologies and Innovation</p>	
<p>(Self-funded: PPSTI 07 2019S) Workshop on Innovation and Cooperation of APEC Centers and Long Term Mechanisms</p>	<p>The Project will hold a workshop to discuss existing cooperation cases among APEC centers/long term mechanisms in all APEC foras and invite new cooperation proposals. The workshop was held in two phases: firstly, collection of cooperation proposals and cases among APEC centers and long term mechanisms in all APEC foras held in the mid of Oct.2019; secondly, workshop on innovation and cooperation of APEC centers and long term mechanisms held on 4th-5th, Nov., 2019 in Suzhou, China.</p> <p>Participants include APEC centers/long term mechanisms, providers of proposals and cases from APEC economies and other relevant stakeholders.</p> <p>Activities in the workshop involve experience sharing, proposals discussion, speeches on using innovative technologies, voting and award, networking and field trip.</p> <p>The workshop is expected to inspire new cooperation among APEC centers/long term mechanisms and share experiences of APEC centers/long term mechanisms in innovative technologies.</p> <p>Completion Report is expected to come out by March 2020.</p>	<p>Endorsed by PPSTI in 2019</p>	<p>- ECOTECH Priority: Technologies and Innovation</p>	
<p><b>(Self-funded: PPSTI 08 2019S)</b></p>	<p>This project</p>	<p>Endorsed by PPSTI in 2019</p>	<p>- ECOTECH Priority: Technologies and Innovation</p>	

<p><b>(Self-funded: PPSTI 09 2019S)</b> APEC Sustainable Plastics Eco System - Best Practice Sharing On Business Model Innovation and Technologies Implementation.</p>	<p>This project aims to help APEC member economies to build a profitable business model to attain sustainable growth through building up a regional cluster which turning plastic wastes to consumer goods by applying innovative technical process, connecting people with providing more capability building and generic process sharing, enabling a healthy eco-system for a cleaner and greener APEC.</p> <p><b>Planned Activities:</b></p> <ol style="list-style-type: none"> <li>1. The assembling of the regional industrial cluster for building up an innovative commercial ecosystem to accelerate the plastic litter value re-generation activities, with the help of STI research units and the related stakeholders.</li> </ol> <p>An educational waterway cleaning event to observe the cost of the impact on waterway pollution, and an in-depth forum to share the innovative knowledge of plastic litter solutions for environmental ecosystem protection, and policy recommendations to further enhance the world's sustainability development.</p>	<p>Endorsed by PPSTI in 2019</p>	<p>- ECOTECH Priority: Technologies and Innovation</p>	
<p><b>Self-funded: PPSTI 08 2019S)</b> Investigation of the STI's Role by Introducing Autonomous Vehicle Policy for the Smart Transportation of the Smart City</p>	<p>This Project aims at focusing on APEC Smart City Forum, Policy Investigation on the Last Mile Solution of Smart Transportation, IOV Project Phase I~III, and SMEs EV Development- EV Case study, by implementing cross-platform and cross-organization collaboration between economies regarding Autonomous Vehicle technology. This project especially aim to (1) discuss how to create a digital vehicle dialogue with strong STI resources and a field demonstration which can guide member economies in implementing smart mobility policies, introducing autonomous vehicle (AV) operation to guaranteed safety, creating innovative business models, developing AV technologies and industries, and enhancing AV innovation/education/collaboration networks; (2) share Chinese Taipei's best practices on an open innovation platform, namely the AV "sand-box" policy and AV prototyping, via field demonstration for infrastructure planning, which will support APEC member economies in developing their local cases adapted to their special requirements. The experiences and insights on AV development gained under this ordinance can be used as a reference for other member economies to formulate relevant policies in the future.</p>	<p>Endorsed by PPSTI in 2019</p>	<p>- ECOTECH Priority: Technologies and Innovation</p>	