



**Asia-Pacific
Economic Cooperation**

2017/SOM1/SCE-COW/014

Agenda Item: 7

Policy Partnership on Science, Technology and Innovation Proposed Workplan for 2017

Purpose: Consideration
Submitted by: PPSTI Chair



**SOM Steering Committee on Economic and
Technical Cooperation - Committee of the Whole
Meeting
Nha Trang, Viet Nam
28 February 2017**

**Proposed Work Plan for 2017:
Policy Partnership on Science, Technology and Innovation (PPSTI)**

Introduction

The PPSTI drives economic growth by advancing science, technology and innovation (STI) issues that matter to government and non-government players and that are at the heart of economic prosperity. Robust participation in PPSTI from private, scientific and academic sectors, and direct ABAC engagement in PPSTI, offer prime opportunities to formulate inclusive and impactful STI policy recommendations to meet economic goals in the APEC region. PPSTI develops and promotes policies that support an enabling environment for scientific research and market-based innovation, and facilitates STI capacity building and regional STI connectivity.

PPSTI's Independent Assessment recommended PPSTI prioritize areas that lead to focused STI policy development. Consequently, in 2017, PPSTI will focus its efforts on (a) natural hazards science, given numerous PPSTI activities in this area, and (b) policies that support strong STI ecosystems in the APEC region, such as those that boost S&T entrepreneurship, communicate STI to the public, and support STI human resources development, which includes enhancing STI collaboration in APEC through common understanding of research integrity and enhancing participation of youth and women in STEM.

These themes support Viet Nam's host year priorities of "enhancing food security and sustainable agriculture in response to climate change" and "fostering sustainable, innovative and inclusive growth." PPSTI will continue to collaborate closely with the Human Resources Development Working Group (HRDWG) and other APEC fora with direct engagement on PPSTI's 2017 themes. 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 (COST).

1. Expected Outcomes/Deliverables for 2017:

- 1.1. Develop STI policy recommendations per discussion at PPSTI9 and from PPSTI 2017 themes – *natural hazards science and policies that support strong STI ecosystems* – and projects on these themes to submit to APEC leaders. For example, draft best practices for communicating STI to the public;
- 1.2. Hold an Innovation Policy Sharing Seminar at PPSTI10 on best practices to communicate STI to the public and key aspects of supporting an ecosystem for STI innovators/entrepreneurs. Utilize this seminar to hold a dialogue of experts to inform the S&T policy recommendations noted in 1.1;
- 1.3. Facilitate continued joint activities with HRDWG on STI human resources development through a joint meeting at SOM2 or SOM3;
- 1.4. Contribute to CSAE discussions on evidence-based decision making. Work closely with the Chief Science Advisors or Equivalent (CSAE) to hold PPSTI10 back-to-back with the CSAE meeting at SOM2 or SOM3;
- 1.5. Increase the number of private sector participants, including representatives on PPSTI economy delegations. Enhance dialogue and collaboration with the private sector to ensure closer alignment between policy formulation and the needs of the private sector community. Per the Independent Assessment, discuss establishment of an Expert Advisory Committee made up of experts in industry engagement, innovation and commercialization policy to assist PPSTI to expand its focus beyond S&T and towards innovation and closer involvement of industry including small and medium-sized enterprises (SMEs).

1.6. Implement the “PPSTI Guidelines on the Establishment, Management and Review of Endorsed APEC Centers.” Coordinate with and support PPSTI Centers to best utilize their activities and expertise to meet PPSTI goals.

- 1.6.1. APCTP (Asia Pacific Center for Theoretical Physics)
- 1.6.2. APEC CTF (APEC Center for Technology Foresight)
- 1.6.3. ACES (APEC Cooperation for Earthquake Simulation)
- 1.6.4. APEC Center for Technology Transfer
- 1.6.5. APCC (APEC Climate Center)
- 1.6.6. AMGS (APEC Mentoring Center for the Gifted in Science)
- 1.6.7. ACABT (APEC Research Center for Advanced Biohydrogen Technology)
- 1.6.8. ACTS (APEC Research Center for Typhoon & Society)

1.7. Implement the fifteen ongoing and upcoming PPSTI projects and activities listed below in 2.

2. Itemized Work Plans for 2017

Title	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)
ANTICIPATED SELF-FUNDED PROPOSALS				
APEC Training Workshop on Solar Cells and LED Measurement Standards and Technologies (China and U.S.)	Date TBD		- Host Year Priority: Enhancing Food Security and Sustainable Agriculture in Response to Climate Change	
Workshop on Vocational Education Linkage with Labor Market (Indonesia)	August 2017			

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ANNUAL ACTIVITIES				
APEC Typhoon Symposium 2017		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	Theme: 'SDGS and Climate Change Platform', Venue/Date: back-to-back with the 10th PPSTI at Vietnam (for consideration and discussion)	Annual PPSTI activity	- ECOTECH Priority: Technologies and Innovation - Host Year Priority: Fostering Sustainable, Innovative, and Inclusive Growth	
APEC Climate Symposium 2017	Concept Note is to be submitted for the 1st session of 2017's project proposal. Anticipated to work in cooperation with Viet Nam's counterpart (TBD). Date and location are to be confirmed.	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 Science Prize for Innovation, Research, and Education (ASPIRE)	A \$25,000 prize will be 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 the APEC region, and highlights the importance of cross-border research in APEC.	Annual PPSTI activity	- ECOTECH Priority: Technologies and Innovation - Host Year Priority: Fostering Sustainable, Innovative, and Inclusive Growth	
APEC Mentoring Center for the Gifted in Science	Publishing the APEC Youth Scientist Journal in March 2017	Annual PPSTI Activity		

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ENDORSED PPSTI PROJECTS (ONGOING OR UPCOMING)				
APEC Symposium on Policy and System for Promoting Micro, Small, and Medium Enterprises (MSMEs) Modernization toward Industry 4.0 (PPSTI 04/2016)	Date: September 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)	Date: August/September, 2017. Location: Chinese Taipei	Endorsed by PPSTI in 2016	- ECOTECH Priority: Technologies and Innovation - Host Year Priority: Strengthening MSMEs' Competitiveness and Innovation in the Digital Age	
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)	Date: August/September, 2017. Location: ShenZhen or Shanghai, China	Endorsed by PPSTI in 2016	- ECOTECH Priority: Technologies and Innovation - Host Year Priority: Fostering Sustainable, Innovative, and Inclusive Growth	TPTWG, SCSC, AD, TELWG

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Forum and Workshop: SMEs Cluster Development through STI and Supplier Value Chain Integration (PPSTI 03/2016)	Date: October 2017. Location: Kaohsiung/Tainan, Chinese Taipei	Endorsed by PPSTI in 2016	- ECOTECH Priority: Technologies and Innovation - Host Year Priority: Strengthening MSMEs' Competitiveness and Innovation in the Digital Age	
Workshop - Knowledge Transfer Best practices between APEC Economies (PPSTI 05/2016)	Date: May 2017. Location: Mexico City, Mexico	Endorsed by PPSTI in 2016	- ECOTECH Priority: Technologies and Innovation - Host Year Priority: Fostering Sustainable, Innovative, and Inclusive Growth	
Workshop on impact assessment and monitoring of Science, Technology and Innovation Policies (PPSTI 12/2015S)		Endorsed by PPSTI in 2015	- ECOTECH Priority: Technologies and Innovation - Host Year Priority: Fostering Sustainable, Innovative, and Inclusive Growth	
The Co-establishment of an Online Service Platform for Collaborative Innovation of SMEs in APEC Member Economies (PPSTI 08/2015S)	Project Report in PPSTI9	Endorsed by PPSTI in 2015	- ECOTECH Priority: Technologies and Innovation - Sustainable Growth - Inclusive Growth - Host Year Priority: Strengthening MSMEs' Competitiveness and Innovation in the Digital Age	SMEWG
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	- ECOTECH Priority: Technologies and Innovation - Sustainable Growth - Host Year Priority: Fostering Sustainable, Innovative, and Inclusive Growth	

APEC Young Scientists Training Program		Endorsed by PPSTI in 2015		
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