

出國報告(出國類別：出席國際會議)

赴秘魯阿雷基帕出席第 7 次  
APEC 科技創新政策夥伴會議報告

服務機關：科技部科教國合司

姓名職稱：王凱石科長

派赴國家：秘魯

出國期間：105 年 5 月 8 至 15 日

報告日期：105 年 7 月 28 日

## 目次

壹、 會議緣起 .....	2
貳、 重要討論及決議事項.....	2
參、 會後參訪 .....	8
肆、 我方應配合辦理之工作與分工 .....	8
伍、 結論與建議 .....	8
陸、 會議及活動照片 .....	9
附件 1：我方代表團名單 .....	100
附件 2：大會議程 .....	111
附件 3：Recommendations by Independent Assessment.....	155

## 壹、會議緣起

秘魯為 2016 年 APEC 會議主辦國，APEC 科技創新政策夥伴會議(Policy Partnership on Science, Technology and Innovation，以下簡稱 PPSTI)由秘魯科技部負責辦理並規劃相關行政事宜。PPSTI 第 7 次會議業於本(105)年 5 月 10 至 12 日於秘魯阿雷基帕國際會議中心(Cerro Juli Convention Center)舉行，由秘魯國家科技及技術創新委員會主席 Gisella Orjeda 向各會員體代表致歡迎詞，本次會議也邀請亞洲環太平洋大學 APRU、科學園區國際協會、澳門、Mr. Yang Tianruo、Mr. Gary Urteaga (Co-founder/ Chief Business Development Officer of Cinepapaya)、Ms. Irina Rymshina(Founder of Hoope, winner of Startup Chile, Startup Mexico, Startup Peru and the World Cup Tech Challenge in Silicon Valley USA.)出席。大會就科技創新合作議題、獨立評估報告之建議、PPSTI 的長效合作機制及與 APEC 其它機制間之合作等進行討論，並通過了 PPSTI 2016 年度工作計畫。會議亦探討與 HRDWG 合作之可能性，將於 PPSTI 8 召開聯合會議，討論相關議題。

## 貳、重要討論及決議事項

APEC PPSTI 第 7 次會議以「科技創新促進優質成長(Science, Technology and Innovation for Quality Growth)」為主題，除我方外，澳大利亞、加拿大、智利、中國大陸、印度尼西亞、韓國、馬來西亞、墨西哥、新西蘭、巴布亞新幾內亞、秘魯、菲律賓、俄羅斯、美國和越南，共計 16 個會員體參與。本次會議由擔任 PPSTI 主席之中國大陸科技部副司長陳霖豪及秘魯 Ms. Karin Fassbender 主持，副主席為美國國務院代表 Ms. Christin Kjelland，ABAC 代表則由 Mr. Nicholas Brooke 續任。

秘魯 CONCYTEC 主席 Ms. Gisella Orjeda 代表主辦單位向各會員體代表致歡迎詞，Ms. Gisella Orjeda 表示歡迎及感謝各會員體代表之參與，並提到 PPSTI 團隊應以實質經濟與技術合作，因應並達成 APEC 目標。並建議應繼續維持各經濟體間高階技術人才的流通，及提高私部門的參與度。

會議主席則表示，議程應加入更著重政策相關之議題，如創業的包容性成長，並提到目前向秘書處提交之提案中，與其他機制產生良好互動的計畫

也越來越多，也推動了 ABAC 與 PPSTI 重啟合作，ABAC 正式任命代表作為 PPSTI 首席顧問，加強私部門在 PPSTI 的參與度，也為推動商業與私部門參與 PPSTI 下之科技創新項目合作奠定了良好的基礎。本會議亦探討與人力資源工作組合作之可能性，將 PPSTI 8 期間召開聯合會議，討論相關議題。

本次會議重點說明如下：

## 一、 IASP 報告

「世界科學園區協會 (INTERNATIONAL ASSOCIATION OF SCIENCE PARKS, 簡稱 IASP)」於 1984 年創立，屬世界性之獨立、非營利、非政府組織，主要以科學園區為會員的國際性協會，成立宗旨為替科學園區及創新場域等提供全球性的聯絡網路，以促進會員成長、國際化和獲益。目前該協會有來自 74 個國家、408 個會員參與。臺灣的新竹科學園區、中部科學園區及南部科學園區均為會員。本次 IASP 代表受主席之邀參與 PPSTI 7 會議，ABAC 代表 Mr. Brooke 建議 PPSTI 應該與 IASP 建立合作關係(或者以 PPSTI 集體代表的身分加入 IASP 會員)，未來可考量以聯席會議的形式舉行。加拿大代表亦針對 IASP 邀請 PPSTI 會員體參與該組織提案作業表達興趣，但認為應先確認 IASP 與 APEC 間之連結關係及可合作的計畫範疇。

## 二、 APEC 秘書處報告：

1. 秘書處表示中國大陸捐贈之基金已成立 3 個新的 Sub-Fund 項目，分別為 FTAAP and GVCs、Innovative Development, Economic Reform and Growth (IERG)，以及 Connectivity。加拿大在今年第 2 階段提案期間亦將成立 Micro, Small and Medium Enterprises (MSMEs)及 Renewed APEC Agenda on Structural Reform (RAASR) and Services 兩個新的 Sub-Fund 項目
2. 截至目前，PPSTI 本(2016)年度共有 2 個計畫刻正提交預算審查委員會審查中，其餘 8 個計畫未獲 APEC 經費支持。
3. 秘書處特別提醒提案單位應仔細評估申請之經費項目，不一定都要選擇 General Fund。例如第一階段 10 個提案計畫中，僅 1 件選擇 Human

Security Sub-Fund，而在 2015 年，PPSTI 有 2 個計畫獲得 Energy Efficiency and Low Carbon Measures Sub-Fund 的支持。

4. 本年度第二階段提案 Concept Note 截止收件時間為 6 月 22 日。

### 三、 Economic Committee Chair Report

EC 代表針對採納 APEC 下一階段結構改革計畫(Renewed APEC Agenda for Structural Reform, RAASR)進行報告，規劃在 2016 年至 2020 年以三大支柱作為議題討論，包括：(1)更開放、完善、透明、以及競爭的市場；(2)深入參與婦女、微小型企業、青年、身障人士、以及其它少數團體之議題；(3)永續社會政策。EC 期許此大三支柱將有助引導未來 5 年的結構改革計畫。預計將於 2018 年與 2020 年盤點結構改革相關工作。與會之各國代表紛紛針對旨揭改革計畫如何鏈結 PPSTI TOR 以及改革的目的等等表達不同的意見，我方代表蘇評揮顧問亦建議 EC 應該工業 4.0 後解散大量低階勞力將面臨的社會問題。

### 四、 2016 年 ASPIRE Award：

2016 年 ASPIRE 徵件主題為食品安全科技，申請截止時間為 5 月 13 日。徵選結果將於本年 7 月 1 日公告並於 PPSTI 8 會議首日之晚宴進行頒獎典禮。

### 五、 有關 2016 年 ART Workshop 辦理方式：

ART Workshop 2016 將於 6 月 6 日至 10 日辦理，會議將以「後 2015 永續發展目標、氣候變遷及創新平台之採用」為主題，歡迎有興趣的會員體推薦代表參加。

### 六、 有關 PPSTI 運作方式

#### 1. Discussion on the recommendations by Independent Assessment

有關 Independent Assessment 所提之評估項目，由於各會員體意見不一，主席裁示請各會員代表於本年 5 月 31 日前提送相關意見至 APEC 秘書處，彙整後再送主席參考。

#### 2. Governing board operation

PPSTI 8 將進行主席、副主席之改選作業。

3. Cross-fora cooperation perspectives with HRDWG (discussion on ideas to promote cross fora collaboration, cross cutting meetings)

秘魯建議在跨分組合作項目上可與 HRDWG 進行合作，並提出在 PPSTI 8 舉行與 HRDWG 舉辦 Back-to-Back 會議，此提案獲 PPSTI 會員體同意。

七、 PPSTI 創新政策分享研討會(PPSTI Innovation Policy Sharing Seminar)

本次會議於第二日上午進行創新政策分享研討會，由中國大陸科技部副司長陳霖豪擔任研討會主席，各會員體代表針對「促進創業優質成長」進行分享。各場次列表如下表：

<b>Session 1: Educating and engaging a tech savvy youth for the STI job market</b>
(China) Presentation by EmoKit Tech Co., Ltd.
(USA) Presentation by Mr Vance Hum, CEO, I.M. Systems Group
(USA) Presentation by Ms. Irina Rymshina (Russia), Founder of Hoop, winner of Startup Chile, Startup Mexico, Startup Peru and the World Cup Tech Challenge in Silicon Valley USA.
<b>Session 2: Encouraging entrepreneurship from the perspectives of government, academia and business</b>
* Malaysia will circulate an Information Sheet during this session on Malaysia Commercialization Year 2016
(China) Presentation by Mr.Chen Hongbo, TUS Park/IASP Beijing Office
(Korea) Tech Transfer/Commercialization activity in Korea, Mr. Woo-Sung Jung, POSTECH
(Korea) Korean Eco-Entrepreneurship and Global Cooperation for SDGs, Korea
(Peru) Presentation by Mr Gary Urteaga, Co-founder and Chief Business Development Officer of Cinepapaya.com
<b>Session 3: Financing an STI ecosystem</b>
(Hong Kong, China)Reinforcing and expanding the Innovation and Technology Eco-system and landscape

八、 分組結論報告：

1. Building Science Capacity (Chair: United States, Vice-Chair: Malaysia)

分組 A 由美國擔任主席，馬來西亞擔任副主席，針對 7 個計畫進行討

論。分組 A 各計畫分別如下：

- (1) (China) Progress Report of APEC-IOV series project Phase III---IOV technology innovation
- (2) (Chinese Taipei) Policy Investigation on the last mile solution of smart transportation and its application on SME value chain development
- (3) (Korea) Presentation by APEC Mentoring Center for the Gifted in Science
- (4) (Korea) APEC Climate Symposium , APCC
- (5) (United States) Climate Smart Agriculture
- (6) (Malaysia) Joint Statement for Policy Recommendations for Effective Science Communication for APEC, and APEC Virtual Media Science Center
- (7) (Viet Nam) Smart Technologies and Urban Planning and Management
- (8) (China) APEC Smart City Forum Series

美國代表表示樂見我方所提之公共自行車計畫與中國大陸 IOV 在車聯網-慢速車專題中能相互搭配，馬來西亞代表建議在推動公共自行車政策探討時應將地方政府的角色與中央政府區分，並敘明中央政府所應進行的政策準備。

## 2. Promoting Enabling Environment for Innovation (Chair: the Philippines, Vice-Chair: United States)

分組 B 由菲律賓擔任主席，邀請會員體代表針對 6 項提案進行討論。  
分組 B 各計畫分別如下：

- (1) (Philippines) Enhancing Update and Invitation to - APEC Workshop on Strategies to Address Non-communicable Diseases (NCDs) through Science, Technology and Innovation: Nutrigenomics Approach
- (2) (Philippines) Update and Invitation to - APEC Workshop on the Establishment of Regional Database on Herbal Medicine
- (3) (Philippines) Update and Invitation to - APEC Workshop on

Commercialization and Popularization of Research and  
Market-based Innovations through Policy Translation

- (4) (Philippines) Update and Invitation to the - Improving Micro, Small and Medium Enterprises (MSMEs) Competitiveness through Low Carbon Economy
- (5) (China) Proposal on APEC Conference: MSMEs in Industry 4.0 for quality growth
- (6) (China) TUS-APEC Innovation Hub

有關中國大陸於本(TUS-APEC Innovation Hub)提案計畫報告中，將我方名稱誤植為 China Taipei 一事，經我方工研院徐基生主任當場抗議後，陸方已立即更正。

3. Enhancing Regional Science and Technology Connectivity, (Chair: Chinese Taipei ( Vice-Chair: United States)

分組 C 由我方擔任主席，秘魯擔任副主席，邀請會員體代表針對 6 項提案進行討論。分組 C 各計畫分別如下：

- (1) (Chinese Taipei) APEC Center for Typhoon and Society, ACTS
- (2) (Chinese Taipei) Promoting innovative and high value-added bio-product production technologies for sustainable development of APEC's region, APEC research center for advanced bio-hydrogen technology (APEC-RCABT)
- (3) (China) Building up Platforms to Strengthen APEC STI Connectivity,
- (4) (Russia) Research Mapping
- (5) (Chinese Taipei) SMEs Cluster Development through STI and Supplier Value Chain Integration
- (6) (Chinese Taipei) Promoting community empowerment in APEC's rural area by using agro-wastes recycling biotechnologies and GIS assistance, Chinese Taipei

九、 秘魯報告有關 PPSTI 8 辦理方式：

PPSTI 8 將於 8 月 15 至 17 日假秘魯利馬市辦理，第 4 屆 APEC 首席



科技顧問會議(CSAE)於 8 月 18 至 19 日以 Back-to-Back 形式辦理，議程及相關行政安排等事宜，將另由 APEC 秘書處轉告週知。

### 參、會後參訪

本次大會安排參訪秘魯 Characato 天文台，該天文台為 NASA 和 UNSA 基地，為秘魯創造更多學術機構及研究中心參與在地研究計畫之可能性。

### 肆、我方應配合辦理之工作與分工

1. 應配合於本年 5 月 13 日完成本次 ASPIRE Award 提案作業。
2. Recommendations by Independent assessment 須於本年 5 月 31 日前回覆，其中有關 1st APEC ‘Centers’ Conference 我方立場需與 Independent assessment 建議之第 10 點意見回覆相互呼應。
3. 2016 APEC Funding Session 2 相關作業需於本年 6 月 22 日前完成。

### 伍、結論與建議

1. 韓國近來積極動作，期掌控有關氣候變遷議題之主導權，Asia Pacific Center for Theoretical Physics (APCTP)更將於 6 月中旬辦理 PPSTI 項下各中心會議，疑企圖整合 PPSTI 現有之 7 大中心，並以韓國長期欲主導之開放創新平台 (Open Innovation Platform)做為中心運作機制。針對韓國之企圖，科技部與本部技術處亦積極研擬相關對策。此外，經本次提案過程中，與韓國聯繫交手後發現該國態度可議，日後如與其有相關合作關係，建議應更加謹慎。
2. 為串聯 ABAC 與 PPSTI，ABAC Principal Advisor Mr. Brooke 將提報 5 個計畫(含陸方車聯網、智慧成市、韓國 APCC 計畫、菲律賓中小企業綠能科技計畫及我方金工中心新提案)至 ABAC。若我方能透過金工中心提案成功吸引 ABAC 注意，將對我方未來鏈結 ABAC 能量產生莫大助益。
3. APEC 2017 主辦國為越南，越我雙方在 APEC PPSTI 平台上互動良好並已建立基本互信機制，建議明年我方與越南之合作應儘早布局。

## 陸、會議活動照片

1. APEC PPSTI 我方代表:台北科技大學蘇評揮教授與工研院徐基生主任密切溝通



2. APEC PPSTI 團體照



附件 1：我方代表團名單

No.	Name	Title
1.	蘇評揮 PING-HUEI, SHU	Professor Department of Vehicle Engineering, National Taipei University of Technology
2.	王凱石 KAI-SHYR WANG	Section Chief Department of International Cooperation and Science Education, Ministry of Science and Technology
3.	曾毅振 TSENG, YI-CHEN	Specialist Department of Industrial Technology, Ministry of Economic Affairs
4.	程家平 CHIA-PING, CHENG	Director General Taiwan Typhoon and Flood Research Institute, National Applied Research Laboratories(NARLabs)
5.	丁南宏 NAN-HUNG, TING	Director General Taiwan Typhoon and Flood Research Institute, National Applied Research Laboratories(NARLabs)
6.	趙恭岳 KUNG-YUEH, CHAO	Executive Director Meteorological Society of R.O.C.
7.	朱正永 CHU, CHEN-YEON	Chief Feng Chia University
8.	汪浩 HAO WANG	Professor Feng Chia University
9.	徐基生 HSU, CHI-SHENG	Director Ofc. of Cross-Strait Exchange, Industrial Technology Research Institute
10.	黃琬婷 HUANG, WAN-TING	Deputy Administrator Ofc. of Cross-Strait Exchange, Industrial Technology Research Institute

## 附件 2：大會議程

### 7<sup>th</sup>APEC Policy Partnership on Science, Technology and Innovation (PPSTI)

Meeting Arequipa, Peru

10-12 May 2016

#### THEME: "Science, Technology and Innovation for Quality Growth"

AGENDA (Draft)	
10 May 2016 (Day 1)	
<b>9:00 AM – 10:00 AM</b>	<b>MORNING SESSION</b>
9:00 AM - 9:30 AM	<p><b>1. Welcoming, opening remarks and introductions</b></p> <p><i>* Note: this session will be filmed by Peru.</i></p> <p>Welcoming Message by Peru, the Host Economy of the 7<sup>th</sup> PPSTI Meeting Gisella Orjeda, President of Peru's National Council for Science, Technology and Technological Innovation</p> <p>Opening remarks by PPSTI Chair and Governing board</p> <p><b>2. Adoption of the Agenda</b></p> <p>A brief introduction by the Chair about the draft agenda and PPSTI members endorse the agenda</p>
9:30AM - 10:00 AM	<p><b>3. Guests Speeches</b></p> <p><b>ABAC</b></p> <p><b>IASP</b></p> <p><b>APRU</b></p>
10:00AM-10:10AM	<p><b>4. APEC 2016 Priorities</b></p> <p>SOM Chair's Office</p>
10:10AM – 10:15AM	<b>5. Business arrangements for PPSTI 7 (Peru Vice Chair)</b>
10:15AM - 10: 25AM	<p><b>5. Group Photo</b></p> <p>Participants will be invited to join group photo</p>
10:25AM - 10:35 AM	<b>Coffee Break</b>
<b>10:35AM- 12:00 NN</b>	<b>GENERAL ISSUES</b>
10:35 AM - 10:45 AM	<p><b>6. Secretariat Report</b></p> <p>APEC Secretariat to report on key developments, including projects</p>
10:45 AM-11:15 AM	<p><b>7. Economic Committee Chair Report</b></p> <p>EC's 2015 APEC Economic Policy Report on Structural Reform and Innovation</p>
11:15 AM - 11:30AM	<p><b>8. Annual Work Plan for 2016</b></p> <p>Discussion about the Annual Work Plan for 2016 and final endorsement by PPSTI members</p>

11:30 AM - 11:40AM	<b>9. 2016 ASPIRE</b> A brief explanation by the United States and Peru of the 2016 ASPIRE scheme and current progress of candidate selection
11:40 AM - 11:45AM	<b>10. Women in STEM initiative</b> Presentation by the United States
11:45 AM - 12:00 AM	<b>11. Report on ART 2016</b> Presentation by STEPI, Korea
12:00 AM - 12:30 AM	<b>12. PPSTI operation</b> Cross-fora cooperation perspectives with ABAC and HRDWG (discussion on ideas to promote cross fora collaboration, cross cutting meetings.) (Peru)  Governing board operation Discussion on the recommendations by Independent assessment
12:30 PM - 2:00 PM	<b>Lunch Break</b>
<b>2:00 PM - 5:00 PM</b> <b>Coffee Break (3:30 PM -3:45 PM)</b>	<b>SUB-GROUP MEETINGS</b> <b>[Parallel 1: Building Science Capacity, Chair: United States, Vice Chair: Malaysia]</b>
	Updates on IoV, China Presentation by APEC Mentoring Center for the Gifted in Science, Korea
<b>2:00 PM - 5:00 PM</b> <b>Coffee Break (3:30 PM -3:45 PM)</b>	<b>[Parallel 2: Promoting Enabling Environment for Innovation, Chair: Philippines, Vice Chair: United States]</b>
	Update and Invitation to - APEC Workshop on Strategies to Address Non-communicable Diseases (NCDs) through Science, Technology and Innovation: Nutrigenomics Approach - Self-funded, the Philippines  Update and Invitation to - APEC Workshop on the Establishment of Regional Database on Herbal Medicine - Self-funded, the Philippines  Update and Invitation to - APEC Workshop on Commercialization and Popularization of Research and Market-based Innovations through Policy Translation - Self-funded, the Philippines  Update and Invitation to the - Improving Micro, Small and Medium Enterprises (MSMEs) Competitiveness through Low Carbon Economy - APEC- funded, the Philippines  Proposal on APEC Conference: MSMEs in Industry 4.0 for quality growth, China
<b>2:00 PM - 5:00 PM</b> <b>Coffee Break (3:30 PM -3:45 PM)</b>	<b>[Parallel 3:Enhancing Regional Science and Technology Connectivity, Chair: Chinese Taipei, Vice Chair: Peru]</b>

	<ul style="list-style-type: none"> <li>- Measurement Challenges in Renewable Energy and Climate Science, China and United States</li> <li>- APEC Climate Symposium , APCC, Korea</li> <li>- <a href="#">APEC Center for Typhoon and Society, ACTS, Chinese Taipei</a></li> </ul>
	<ul style="list-style-type: none"> <li>- <a href="#">Promoting innovative and high value-added bio-product production technologies for sustainable development of APEC's region, APEC research center for advanced bio-hydrogen technology (APEC-RCABT), Chinese Taipei</a></li> <li>- Innovation Platform for MSMEs, China</li> <li>- Climate Smart Agriculture, United States</li> <li>- Research Mapping, Russia</li> <li>- Smart Technologies and Urban Planning and Management, Viet Nam</li> <li>- <a href="#">SMEs Cluster Development through STI and Supplier Value Chain Integration, Chinese Taipei</a></li> <li>- <a href="#">Promoting community empowerment in APEC's rural area by using agro-wastes recycling biotechnologies and GIS assistance, Chinese Taipei</a></li> </ul>
<b>19:30 PM – 10:30 PM</b>	<b>Welcome Dinner hosted by CONCYTEC</b>

11 May 2016 (Day 2)	
<b>9:00 AM – 12:40AM</b>	<b>PPSTI Innovation Policy Sharing Seminar</b> <b>Chair: China, Co-Chairs: USA and Peru</b> <b>Theme:</b> APEC PPSTI innovation policy sharing seminar on Promoting Entrepreneurship for Quality Growth
9:00 AM – 9:10AM	<b>Opening remarks by Chair and Co-Chairs</b>
9:10 AM-10:15 AM	Session 1: Educating and engaging a tech savvy youth for the STI job market
	Presentation by EmoKit Tech Co., Ltd., China Educating and engaging a tech savvy youth for the STI job market, U.S (TBC)
<b>10:15 AM – 10:30AM</b>	<b>Coffee Break</b>
10:30 AM-11:35 AM	Session 2: Encouraging entrepreneurship from the perspectives of government, academia and business
	Presentation by Mr.Chen Hongbo, TUS Park/IASP Beijing Office, China. Tech Transfer/Commercialization activity in Korea,Woo-Sung Jung, POSTECH,, Korea Korean Eco-Entrepreneurship and Global Cooperation for SDGs, Korea
11:35 AM-12:40 AM	Session 3: Financing an STI ecosystem
12:40 AM - 2:00 PM	<b>Lunch Break</b>
<b>2:00 PM - 4:25 PM</b>	<b>WRAP-UP SESSION</b>

2:00 PM - 2:40 PM	<b>13. Wrap-up Session</b>
	Report by Chair and Vice Chair of Sub-Group Capacity
	Report by Chair and Vice Chair of Sub-Group Innovation
	Report by Chair and Vice Chair of Sub-Group Connectivity
2:40 PM - 2:50 PM	<b>14. Report on the forthcoming "APEC Centers" Cooperation Conference</b> By Policy Commissioner of the APCTP
<b>2:50 PM - 3:20 PM</b>	<b>Coffee Break</b>
3:20 PM - 3:30 PM	<b>15 Endorsements and Next Steps</b> Endorsement of issues discussed in the PPSTI 7
<b>3:00 PM - 4:25 PM</b>	<b>OTHER BUSINESS</b>
	APEC PPSTI Coral Garden - a video presentation by the Philippines
3:30 PM - 3:55 PM	<b>16. Report to SCE/SOM and Meeting Summary</b>
	The Chair summarizes the main contents and results of PPSTI 7, which may be submitted to SCE/SOM as its directions The meeting summary will be circulated inter-sessionally.
3:55 PM - 4:15 PM	<b>17. Announcement by the Host Economy (Peru)</b>
	Presentation on preparatory hosting for the PPSTI 8 Meeting in August 2016, in Lima
	Presentation of the Eco-tour Others
4:15 PM - 4:25 PM	<b>18. Closing Remarks</b> The Chair conveys the closing remarks and closes the meeting
<b>12 May 2016 (Day 3)</b>	
8:15 AM - 15:00 PM	<b>Eco – tour and other ceremonial activities (to be advised by Peru))</b>



### 附件 3 : Recommendations by Independent Assessment

#### ★ Recommendation to PPSTI (1). (On-going)

PPSTI's Terms of Reference should remain unchanged; however overall PPSTI should place greater emphasis on innovation and innovation policy in its deliberations and sponsored activities.

#### ★ Recommendation to PPSTI (2).

PPSTI should establish an Expert Advisory Committee made up of experts in industry engagement, innovation and commercialisation policy to assist it to expand its focus beyond S&T and towards innovation and closer involvement of industry including SMEs.

#### ★ Recommendation to PPSTI (3).

PPSTI's Strategic Plan 2016-2025, should be re-cast to group activities under the ToR rather than sub-groups, with the annual work plan activities also re-cast under the same headings and focused on short-term targets.

#### ★ Recommendation to PPSTI (4).

PPSTI, with advice from its Advisory Committee, and drawing on outputs of multilateral fora such as the OECD, should agree on definitions of the key terms in its Terms of Reference, including but not limited to "innovation", "commercialization" and "market-driven" to assist member economies to expand their understanding of innovation policy and focus project proposals appropriately.

#### ★ Recommendation to PPSTI (5).

PPSTI should take a proactive approach to identification of new projects and activities, to ensure that they cover all of its Terms of Reference and are appropriately aligned with Leaders' Statements, the relevant Tasking Statement, ECOTECH Priorities and associated targets include targets for involvement of women and SMEs.

#### ★ Recommendation to PPSTI (6). (On-going)

In general, PPSTI as a whole should take a more pro-active role in identifying key priority areas so that proposals which enable PPSTI to address all of its Terms of Reference are sought. This means moving away from its current (passive) practice of receiving proposals from individual economies. In order to enhance short-term balance, PPSTI should, in 2016, call for proposals on projects and activities that meet the ToR targets of developing market-based innovation policy (including projects to identify successful models of seed and venture capital funds, business incubation and acceleration) and market-driven dissemination of technology (and associated legal and regulatory frameworks). Levels of SME engagement should be specified as part of project proposals.



★ **Recommendation to PPSTI (7).**

PPSTI should develop its own additional internal procedures for assessing and ranking project proposals against its ToR, with short term preference to be given to those which fill current gaps against the ToR and provide opportunities for appropriate cross-fora and multi-economy collaboration and third party engagement. Only those high-scoring proposals endorsed by PPSTI should be eligible to be self-funded as “APEC PPSTI projects”, should an application for APEC central funding fail.

★ **Recommendation to PPSTI (8). (On-going)**

Progress reports for each funded or self-funded PPSTI project should contain clear outcomes against one or more PPSTI ToR AND statements against how the project has met the goals of Leaders’ Statements, ECOTECH Priorities and is contributing to women’s and SME development.

★ **Recommendation to PPSTI (9).**

Project reports should include a section on translation of project outputs into long-term outcomes for participating economies.

★ **Recommendation to PPSTI (10).**

PPSTI should initiate a formal review of its sponsored Centers, to identify where and how these are contributing to PPSTI's terms of reference, what opportunities there may be to expand their scope to cover more than one term of reference and how they can contribute to broader APEC goals. Where Centers are not meeting PPSTI's objectives, and are not able to change their focus to meet these objectives, PPSTI/APEC endorsement of Centers should cease.

★ **Recommendation to PPSTI (11). (On-going)**

Any PPSTI-endorsed APEC Center should be asked to report at least annually to PPSTI, outlining how its activities have contributed to PPSTI's goals and the wider goals of APEC.

★ **Recommendation to PPSTI (12).**

PPSTI's three sub-groups need to be clearly aligned with PPSTI's ToR so that there are no gaps in activities. The names of the sub-groups should be changed to more closely align with the ToR and project proposals (which may address more than one ToR) should clearly identify which sub-forum is to provide overarching supervision. Each sub-forum should follow similar reporting guidelines so that their activities can be compared and contrasted across the board, and the sub-group sessions need to ensure that policy issues are being discussed.

★ **Recommendation to PPSTI (13).**

PPSTI should consider running sub-forum meetings in plenary, with the existing Chairs of sub-groups managing proceedings, to enable smaller delegations to attend all sub-group sessions. Plenary sessions need to include discussion of

substantive issues (meeting of ToR, gaps, mechanisms to address new APEC directives and policy issues) rather than just reporting on activities.

★ **Recommendation to PPSTI (14).**

Material on the PPSTI APEC web page needs to be kept current, with outcomes of the most recent meeting updated within 2 months after each meeting, and links through to (at least) executive summaries of past meetings.

★ **Recommendation to PPSTI (15). (On-going)**

PPSTI should seek opportunities for existing projects to collaborate with other APEC fora, either through ongoing involvement or one-off events (e.g. involvement in Symposia)..

★ **Recommendation to PPSTI (16). (On-going)**

PPSTI should proactively identify opportunities to work with and be relevant to ABAC through reference to ABAC's current agenda, including considering a joint meeting with ABAC (preferably in the next 12 months) as part of its forward program.