



Asia-Pacific  
Economic Cooperation

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# APEC Senior Officials' Report 2022

Economic and Technical Cooperation





**Asia-Pacific  
Economic Cooperation**

# **2022 SENIOR OFFICIALS' REPORT ON ECONOMIC AND TECHNICAL COOPERATION**

**SOM Steering Committee on Economic  
and Technical Cooperation**

**November 2022**

Prepared or printed by  
Asia-Pacific Economic Cooperation Secretariat  
35 Heng Mui Keng Terrace, Singapore 119616  
Tel:(65) 6891 9600 | Fax: (65) 6891 9690  
Email: [info@apec.org](mailto:info@apec.org) | Website: [www.apec.org](http://www.apec.org)

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# Letter from the SCE Chair

It is my pleasure to present the 2022 APEC Senior Officials' Report on Economic and Technical Cooperation.

The SOM Steering Committee on ECOTECH (SCE) and its sub-fora were able to resume in-person meetings after an extended period of exclusively virtual gatherings, due to COVID-19. The SCE met virtually in February for its first meeting and then in hybrid form with some members joining online and others in-person for the second and third SCE meetings in 2022. The SCE and its sub-fora continued the important work of economic and technical cooperation guided by the APEC 2022 theme of "Open. Connect. Balance." and the ECOTECH medium-term priorities, which underwent a refresh this year to better align the Committee's work with APEC's broader efforts to achieve the Putrajaya Vision 2040, including through the Aotearoa Plan of Action.

Similarly, the SCE sub fora worked to ensure that governance documents, including workplans, terms of reference and strategic plans were synchronised with the Putrajaya Vision and its companion document the Aotearoa Plan of Action

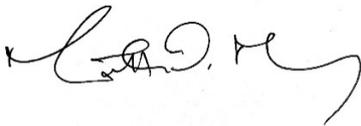
In 2022 the SCE continues to emphasize cross-fora collaboration and engagement with a broad range of stakeholders, including two policy dialogues and the launch of an award centred on the Bio-Circular-Green (BCG) economy model – a post pandemic growth strategy focused on the efficient use of resources, the maintenance and restoration of ecosystems and the reduction of waste in a bid to build a system where economy and business can thrive.

This Report highlights some of the many activities of the SCE and its working groups and policy partnerships. I am pleased to highlight that the efforts of SCE and its sub-fora in 2022 contributed to the development of key APEC deliverables in the areas of increasing sustainable economic growth and supporting the recovery of small and medium sized enterprises from the impacts of COVID-19 within our region.

In presenting this Report, I wish to acknowledge the commitment, hard work, and contributions of APEC members, the SCE sub-fora and our dedicated fora Chairs and Lead Shepherds. I would also like to thank the APEC Secretariat for the continued support to ensure the success of all SCE and SCE sub-fora meetings.

There remains a lot to do in the economic and technical cooperation agenda, including ensuring that the SCE is well positioned to meet its first biennial reporting requirements for the Aotearoa Plan of Action in 2023. I look forward to continuing our work in 2023 and to working closely with the incoming SCE Chair.

With my warmest regards,



Matt Murray  
Chair, SOM Steering Committee on ECOTECH

# Executive Summary

In 2022, the SOM Steering Committee on Economic and Technical Cooperation (SCE) held three meetings hosted by Thailand, with the first SCE meeting (SCE 1) conducted via videoconference and all subsequent meetings held in person with virtual participation. Mr. Matt Murray, the United States' Senior Official for APEC, served as Chair, with Mr. Pruthipong Poonthrigobol of Thailand serving as SCE Vice Chair. The SCE also virtually held the 17th annual SCE Committee of the Whole (SCE-COW) meeting and an informal meeting of SCE sub-fora Chairs and Lead Shepherds. In addition, the SCE conducted business through intersessional discussions and exchanges.

The SCE continued its central role in the administration of SCE sub-fora, approving the annual work plans of all 14 SCE sub-fora as well as endorsing 5 Strategic Plans for the following sub-fora: The Agricultural Technical Cooperation Working Group (ATCWG); the Experts Group on Illegal Logging and Associated Trade (EGILAT); Human Resources Development Working Group (HRDWG) the Policy Partnership on Science, Technology and Innovation (PPSTI) and the Transportation Working Group (TPTWG).

Over the course of the year the SCE conducted various workshops, published several reports and carried out economic and technical cooperation activities through cross-cutting policy initiatives and projects despite an inability to achieve consensus on the final version of the 2022 SCE Annual Work Plan. Specific information on the year in review, including these activities can be found in **Section 1**.

A refresh of the ECOTECH Medium-Term Priorities was undertaken to first align and then integrate the existing ECOTECH Medium-Term Priorities with key areas of economic and technical cooperation outlined in the APEC Putrajaya Vision 2040 (APV2040) and its implementation plan, the Aotearoa Plan of Action (APA).

In addition to SCE's central role in the administration of SCE sub-fora, SCE also oversaw and coordinated the work of SCE's 14 sub-fora. APEC fora and sub-fora are focused on weaving the Putrajaya Vision 2040's goals into their outcomes. SCE, as one of the major APEC committees, shoulders the responsibility of implementing the Putrajaya Vision including through the Aotearoa Plan of Action as well as giving guidance to its sub-fora in their implementation process. SCE and its sub-fora have contributed to the implementation of Putrajaya Vision by conducting numerous projects and initiatives and making provision for implementing the APEC Putrajaya Vision 2040, including through this Aotearoa Plan of Action, in their terms of reference, work plans and strategic plans. Some of the notable outcomes this year included:

- Six Ministerial Meetings in SCE workstream areas:
  - The EGILAT supported Thailand in its hosting of the 5<sup>th</sup> APEC Meeting of Ministers Responsible for Forestry (MMRF);
  - The Health Working Group (HWG) contributed to the 12th High-Level Meeting on Health and the Economy (HLMHE);
  - The ATCWG and the Ocean and Fisheries Working Group (OFWG) supported Thailand in its hosting of the 7th APEC Ministerial Meeting on Food Security where APEC Ministers endorsed the Implementation Plan for the Food Security Roadmap 2030;
  - The Tourism Working Group (TWG) supported Thailand in its hosting of the 11th Tourism Ministerial Meeting where Ministers endorsed an update to the Guidelines on Tourism Stakeholders as well as a set of Policy Recommendations for Tourism of the Future on Regenerative Tourism;
  - The Policy Partnership on Women and the Economy (PPWE) supported Thailand in its hosting of the annual Women and the Economy Forum; and

- The Small and Medium Enterprises Working Group (SMEWG) contributed to the 28th APEC SME Ministerial Meeting (SMEMM) held in September;
- The Emergency Preparedness Working Group (EPWG) hosted the 15th Senior Disaster Management Officials Forum (SDMOF);
- The APEC Information Portal for Safe Passage Across the Region was launched with contributions from the Health Working Group;
- The Agricultural Technical Cooperation Working Group (ATCWG) contributed to the development and endorsement of the Implementation Plan of the Food Security Roadmap 2030, as well as aligned its projects and workplans with the Roadmap's Key Action Areas;
- The Anti-Corruption and Transparency Working Group (ACTWG) endorsed the '*Compilation of APEC Members' Anti-Corruption Prevention and Transparency Measures related to the Covid-19 Outbreaks: Policy, Good Practices and Measures;*'
- The SMEWG conducted a stock take of projects and initiatives that contribute to the '*APEC Strategy on Green, Sustainable and Innovative MSMEs*' for the period 2018-2022 and endorsed for publication Thailand's '*Handbook on Enhancing Green MSMEs' Competitiveness for a Sustainable and Inclusive Asia-Pacific Phase II – Food Sector Waste Reduction in Food Supply Chain;*'
- The Transportation Working Group (TPTWG) held policy discussions on how the APEC region could decarbonize transport under the Land Expert Group;
- The Policy Partnership on Science, Technology and Innovation (PPSTI) published a technological toolkit titled '*Industry 4.0: Enabling Technologies and Inclusive Digitization for Post-COVID-19 Economic Recovery in APEC Value Chains*' and launched the APEC Young Scientist Training Program, The Inclusive Science Leadership Program for Early to Mid-Career Researchers in APEC 2022 and the development of Women in STEM Metrics Framework;
- The Policy Partnership on Women and the Economy (PPWE) held numerous public-private policy dialogues and workshops on women's empowerment, opportunities and challenges through the BCG model as well as women's full participation of COVID-19 economic recovery. In addition, the PPWE held the annual APEC BEST Award;
- The Human Resource Development Working Group (HRDWG) supported Thailand as host of a panel discussion on Shaping Smart Citizens with Digitalization and Eco-friendly Awareness;
- The Energy Working Group (EWG) revised the APEC Energy Security Initiative (ESI) to reflect a broader understanding of energy security in a time of energy transition; and
- The Telecommunications Working Group advanced work on the '*Initiative on Global Challenge and Cooperation Utilizing ICT – COVID-19 pandemic and beyond*'.

The annual report details activities in areas such as energy, fisheries, food security, transportation, SMEs and tourism. A discussion of the above and other highlights and priorities, including the financial contributions of APEC economies to the APEC Support Fund's various sub-funds are set out in **Section 2**.

**Section 3** provides an overview of all sub-fora governance documents. Each forum also reports on projects, both funded by APEC and self-funded by economies, undertaken in 2022 through Fora in Action tables. The tables include a listing of all projects current in implementation phase as well as concept notes that have received in-principle BMC approval during project sessions one and two.

Finally, the following recommendations are outlined in **Section 4** for consideration during the 2022 APEC Ministerial Meeting (AMM):

1. *Note the 2022 Senior Officials' Report on Economic and Technical Cooperation;*
2. *Welcome the achievements of the SCE Working Groups and Policy Partnerships;*
3. *Welcome the revised ECOTECH Medium Term Priorities, now aligned with the objectives of the Putrajaya Vision 2040 and the Aotearoa Plan of Action;*
4. *Welcome the establishment of the APEC Bio-Circular-Green (BCG) Award; and*
5. *Welcome the 2022 contributions to the various sub-funds of the APEC Support Funds from five economies: China; Japan; Korea; Chinese Taipei and the United States.*

# 1. Introduction

The member economies of the Asia Pacific Economic Cooperation (APEC) forum progressed in a range of areas of economic and technical cooperation, with the Senior Officials' Meeting (SOM) Steering Committee on Economic and Technical Cooperation (SCE) and SCE sub-fora providing contributions in training, skills development and information sharing.

**A year in review:** In 2022, the SCE was chaired by Mr. Matt Murray, APEC Senior Official for the United States, with Mr. Pruthipong Poonthrigobol of Thailand serving as SCE Vice Chair. The Committee met on three occasions and accomplished the following:

- Updated the ECOTECH Medium-Term Priorities to align them with the Putrajaya Vision 2040 and the Aotearoa Plan of Action;
- Discussed ECOTECH policy initiatives including two events exploring the Bio-Circular-Green (BCG) Economy Model;
- Published three reports, including the final project report on '*Understanding the Bio-Circular-Green (BCG) Economy Model for Strong, Balanced, Secure, Sustainable and Inclusive Growth in the Asia-Pacific*,' the final project report on '*Initiative for Realizing Sustainable Cities Focusing on Improvement of Resource Circulation and Waste Management*,' and the final project report on '*Partnership towards Sustainable Economic Growth through the BCG*,'
- Endorsed the annual '*APEC Bio-Circular-Green (BCG) Award*' project proposal;
- Coordinated the work of SCE sub-fora to facilitate recovery from the COVID-19 pandemic and to ensure alignment with the APEC Putrajaya Vision 2040 (APV2040) and the Aotearoa Plan of Action (APA); and
- Provided direction to SCE sub-fora on Work Plans, Strategic Plans, and Terms of Reference.

The first SCE meeting of the year was held virtually on 23 February at which time the SCE launched the Medium-Term ECOTECH Review, focusing its efforts on better aligning medium-term ECOTECH priorities with the APV2040 and its implementation plan, the APA. The SCE discussed the 2022 SCE Work Plan and agreed to continue discussions intersessionally (2022/SOM3/SCE/IS07).

The annual SCE Committee of the Whole (SCE-COW) was held virtually on 20 February with attendance from all 21 APEC member economies and 14 SCE sub-fora conveners or their representatives. The SCE endorsed the work plans of seven SCE sub-fora: The Agricultural Technical Cooperation Working Group (ATCWG); the Human Resources Development Working Group (HRDWG); the Oceans and Fisheries Working Group (OFWG); the Policy Partnership on Science, Technology and Innovation (PPSTI); the Small and Medium Enterprises Working Group (SMEWG); the Telecommunications and Information Working Group (TELWG); and the Transportation Working Group (TPTWG) (2022/SOM1/019).

Further, on 22 February 2022 the SCE oversaw Thailand's self-funded project event on '*Understanding the Bio-Circular-Green (BCG) Economy Model for Strong, Balanced, Secure, Sustainable and Inclusive Growth in the Asia-Pacific*.' The policy dialogue and subsequent APEC publication of the same name sought to outline how APEC economies can achieve sustainable economic growth objectives by synergizing the three approaches of the BCG Economy Model and exploring potential partnerships across government, the private sector and academia.

Intersessionally, the SCE endorsed the 2022 work plan for the Emergency Preparedness Working Group (EPWG) and the 2021-2025 Strategic Plan for the ATCWG.

The second SCE meeting was held on 17 May in Bangkok with members participating both in-person and virtually. The SCE approved Thailand's self-funded project on '*Partnership towards Sustainable Economic Growth through the Bio-Circular-Green Economy Model*,' and continued discussions initiated during SCE 1 covering matters such as the SCE's implementation of the APV2040 and the APA, as supported through the

ECOTECH Medium-Term Priorities Review exercise, advancing the review and renewal section of the APA and identifying areas for further discussion with respect to the 2022 SCE annual work plan.

Intersessionally, the SCE endorsed the 2022 work plans of: The Health Working Group (HWG); the Policy Partnership for Women and the Economy (PPWE); the Anti-Corruption and Transparency Experts' Working Group (ACTWG); the Tourism Working Group (TWG); and the Experts Group on Illegal Logging and Associated Trade (EGILAT). Further, the APEC Executive Director amalgamated two distinct reports into one comprehensive document that details how SCE sub-fora work plans address APEC's overall vision and objective's and identifies and recommends gaps in the ECOTECH agenda requiring SCE direction or attention (see: Annex 1). In July 2022 the SCE oversaw the project event for Japan's self-funded project: *'Initiative for Realizing Sustainable Cities Focusing on Improvement of Resource Circulation and Waste Management.'*

On 27 August, the SCE oversaw a project event for Thailand's self-funded project: *'Partnership towards Sustainable Economic Growth through the Bio-Circular-Green Economy Model.'* At this roundtable, policymakers heard from private and financial sector representatives on what drives and incentivizes businesses to adopt sustainable practices. Delegates also deliberated over policy levers to further expand access to sustainable financing and investment given their crucial role to encourage and empower small businesses to pivot towards more environmentally friendly and sustainable approaches.

On 28 August 2022, Thailand hosted SCE 3 in-person in Chiang Mai with all twenty-one APEC economies as well as ABAC and PECC representatives present, either in-person or virtually. The SCE noted updates on the OFWG-led Roadmap on Small-Scale Fisheries and Aquaculture; the Roadmap on Marine Debris; and the Roadmap on Combatting Illegal, Unreported and Unregulated Fishing as well as the update to the EWG-led Energy Security Initiative. Discussions on advancing the Review and Renewal Section of the Aotearoa Plan of Action, included presentations by China on the *'Implementation of Collective Actions of ECOTECH related Agenda and Priorities in the APEC Putrajaya Vision 2040 including through Aotearoa Plan of Action'* (2022/SOM3/SCE/007) and updates by New Zealand on its Individual Actions under the APA (2022/SOM3/SCE/008). At SCE3 the SCE noted general agreement on the 2022 SCE workplan, despite an inability to achieve consensus on the final version due to the concerns of one economy. The SCE Chair welcomed members' thoughts on how we can ensure that the SCE is a constructive space where economic and technical cooperation aims are advanced. Further, the SCE advanced discussions on the ECOTECH Medium-Term Priorities Review (2022/SOM3/SCE/010), considered future work to review and revise the SCE Terms of Reference and next steps in the SCE's Standardized Fora Assessment Program (2022/SOM3/SCE/012)

Intersessionally, the SCE approved for publication the final project report: *'Partnership towards Sustainable Economic Growth through the BCG Economy Model'* and the final project report: *'Initiative for Realizing Sustainable Cities Focusing on Improvement of Resource Circulation and Waste Management.'* In addition, the SCE endorsed the update to the ECOTECH Medium-Term Priorities, Thailand's project proposal for the annual APEC BCG Award and strategic plans for the Experts Group on Illegal Logging and Associated Trade (EGILAT); the Policy Partnerships on Science, Technology and Innovation (PPSTI) and the Transportation Working Group (TPTWG).

## 2. 2022 Highlights and Priorities

### 2.1 Host Economy Priorities

***Sustainability powers economic growth.*** During the year, the SCE and its sub-fora furthered 2022 priorities, particularly in the area of ‘**Balance in all aspects.**’ This included supporting the introduction and roll out of a post-pandemic growth strategy called the Bio-Circular-Green (BCG) Economy Model. Thailand, as the host of APEC 2022 introduced the BCG Economy Model, which aims to comprehensively address environmental challenges, including climate change, extreme weather and natural disasters. At its core the BCG Economy Model combines science, innovation and technology to promote the efficient use of resources, to maintain and restore ecosystems and to reduce waste in a bid to build a system where economies and businesses can thrive.

During 2022, the SCE oversaw the implementation of Thailand’s self-funded project event on ‘*Understanding the Bio-Circular-Green (BCG) Economy Model for Strong, Balanced, Secure, Sustainable and Inclusive Growth in the Asia-Pacific.*’ This project sought to enhance economies’ knowledge and understanding of the BCG Economy Model and explored its potential application in APEC’s work. The project included a Policy Dialogue held on the margins of SCE1 to discuss the BCG Economy within the context of: (1) agriculture and food systems; (2) energy efficiency and resilience; and (3) waste management and creativity in the economy. A study of APEC economies’ experiences, and knowledge gaps on the application of the BCG Economy Model or similar approaches was completed in July. The SCE published the outcome report for this event in August.

A Japanese-led, APEC funded project event held in 2022 for project SCE01 2019: *Initiative for Realising Sustainable Cities Focusing on Improvement of Resource Circulation and Waste Management*, provided municipal authorities with training on the application of a toolkit for identifying weaknesses and affecting improvements to waste management services and infrastructure. This approach embraces aspects of circularity, namely reusing and recycling existing materials and products - a core tenet of the BCG Economy Model.

The SCE further supported a roundtable event through Thailand’s self-funded project: ‘*Partnership towards Sustainable Economic Growth through the Bio-Circular-Green Economy Model,*’ which built on the outcomes Thailand’s aforementioned project. The roundtable focused on fostering public-private-people partnerships to enhance sustainable economic growth approaches, including the BCG Economy Model. At the dialogue, policymakers heard from private and financial sector representatives on what drives and incentivizes businesses to adopt sustainable practices. The discussion tackled the fault lines laid bare by COVID-19 and the resulting economic impacts in the APEC region. Delegates also deliberated over policy levers to further expand access to sustainable financing and investment given their crucial role to encourage and empower small businesses.

Further, the SCE discussed China’s proposals: “APEC Guidelines on Smart Cities Development to Promote Inclusive and Sustainable Growth in Asia-Pacific,” and “Promoting Green and Low-carbon Transition for Inclusive and Sustainable Growth in Asia-Pacific.” The SCE did not reach consensus on either project proposal. Some economies supported the proposals, while other economies recommended that the proposals be considered at the working group-level to enable subject matter experts to evaluate the merits of both and to incorporate comments and feedback from economies.

***Sustainability lies in the way economies manage its resources.*** The Agricultural Technical Cooperation Working Group (ATCWG) supported Thailand as host of the annual APEC Food Security Ministerial Meeting in August. APEC Ministers discussed water, soil, plant and farm management strategies, including market driven production approaches to combat food insecurity. Ministers also endorsed an Implementation Plan of Food Security Roadmap Towards 2030 to navigate and coordinate actions, projects and activities to achieve food security in the region. The ATCWG, in coordination with the Policy Partnership on Food Security (PPFS), led the development of the implementation plan, which focuses on assisting economies transition towards sustainable food systems and agricultural practices. The ATCWG also endorsed the project proposal “Promote

Rural Development and Prosperity for All Our People in APEC region” which aims to facilitate agricultural and rural development for all people in our region.

In addition, with the assistance of the Experts’ Group on Illegal Logging and Associated Trade (EGILAT), Thailand convened a Meeting of Ministers Responsible for Forestry in August to promote sustainable forest management and rehabilitation, including trade facilitation for legally harvested forest products and the development of a forest timber and products certification. Further, EGILAT members endorsed the EGILAT Policy Theme 2 (2022-2023): *‘Advancing the trade and distribution of legally harvested forest products: Navigating to legal timber,’* which includes improving the Compendium of Resources for the Facilitation of the Trade and Distribution of Legally Harvested Forest products in the APEC Region, published in 2021 as part of Policy Theme 1.

The Oceans and Fisheries Working Group (OFWG) focused its efforts in 2022 on protecting the health of marine environments and resources, including strengthening efforts and utilizing data and research to address the problem of marine debris, including plastic litter. In addition, the OFWG reported to the SCE on its actions and progress towards achieving the goals outlined in the Combatting Illegal, Unreported and Unregulated Fishing and Marine Debris Roadmaps. Further, OFWG promoted sustainable, local and artisanal fisheries, with the introduction of a roadmap that seeks to provide targeted support to the small-scale fisheries and aquaculture industry.

At the 12th High-Level Meeting on Health and the Economy, APEC member economies actively participated in discussions on the interconnection between the economy and the health challenges in the Asia-Pacific region and on how APEC could better balance health and the economy, with the Chair’s Statement emphasizing the importance balancing health and the economy and global health security.

***Sustainability starts with how the region fuels its growth.*** In 2022 the themes of energy security, clean energy development and deployment, energy efficiency, energy resilience, energy access and sustainable growth continued to be prominent in the Energy Working Group’s (EWG) activities. The EWG’s major accomplishment in 2022 was the endorsement of the revised APEC Energy Security Initiative (ESI) in April 2022. EWG members agreed at EWG 58 in 2019 to revise the ESI, first endorsed in 2001 at EWG22, to reflect a broader understanding of energy security in a time of energy transition. The 2022 ESI provides a framework for the EWG to undertake activities that support the energy security goals of APEC member economies to provide access to affordable, reliable, resilient, modern and sustainable energy.

Further, the Transportation Working Group (TPTWG) held policy discussions on how the APEC region could decarbonize transport under the Land Expert Group. The agenda had a strong sustainability focus with discussions and recommendations centering on subsidies, support for charging infrastructure, and mandates for manufacturers to produce cleaner vehicles. This advice was echoed by the APEC PSU with its Policy Brief: [‘Policy Options for Decarbonizing Transportation in APEC’](#).

***Sustainability drives innovation.*** In 2022 the Small and Medium Enterprises Working Group (SMEWG) worked with Thailand as host of a gathering of ministers to exchange views on best policy practices in support of small business. Ministers discussed ways to drive MSME growth, including the acceleration of the adoption of the bio-circular-green economy model. Further, a seminar was held in September to share practices to encourage MSMEs to innovate for sustainable, inclusive development. SMEWG also conducted “2022 APEC SME Seminar on Promoting ‘Specialized and innovative’ Development” to enhance economies’ level of specialization and innovation whilst encouraging MSMEs to follow green strategies which leads to inclusive development. Under Thailand’s leadership, the SMEWG also undertook a stocktaking and review of APEC projects that promote green, sustainable and innovative MSMEs from 2018-2022 and the SMEWG endorsed for publication Thailand’s *‘Handbook on Enhancing Green MSMEs’ Competitiveness for a Sustainable and Inclusive Asia-Pacific Phase II – Food Sector Waste Reduction in Food Supply Chain’*.

The Policy Partnership on Science, Technology and Innovation (PPSTI) published a technological toolkit titled *'Industry 4.0: Enabling Technologies and Inclusive Digitization for Post-COVID-19 Economic Recovery in APEC Value Chains.'* The Toolkit contains industry 4.0 solutions to support developing economies affected by the COVID-19 pandemic to increase their technical and commercial capabilities. A policy dialogue on Green Synergy Solutions for Sustainable Community on Agriculture Residue-Based Energy and Circular Economy was held in September to discuss ways to promote an eco-community by using abundant bio-wastes to produce green hydrogen/methane and bio-fertilizer by synergetic bio-refinery processes for circular economies in the APEC region. Further, several initiatives were undertaken to encourage participation of youth and women in science, technology and innovation. This included the APEC Young Scientist Training Program, The Inclusive Science Leadership Program for Early to Mid-Career Researchers in APEC 2022, the development of Women in STEM Metrics Framework. PPSTI also endorsed the project "The Innovating for Public Urban Technology Transformation (INPUT2) Competition" which aims to facilitate adopt new and emerging technologies, encourage public urban technology transformation. Further, Women in STEM Research Fellowships were delivered by the HRDWG to encourage mobility of post-doctorate women researchers in APEC.

TWG supported Thailand as host of the Tourism Ministers' Meeting in August, where Ministers discussed policies and to revive the tourism and travel industry in the region so that it is safe, sustainable, responsible and more inclusive. Ministers considered a series of policy recommendations to ensure that the benefits of tourism are distributed fairly among local communities. Ministers endorsed the Tourism Working Group's (TWG) APEC Updated Guidelines on Tourism Stakeholders and the TWG Policy Recommendations for Tourism of the Future: Regenerative Tourism.

The Emergency Preparedness Working Group (EPWG) hosted the 15<sup>th</sup> Senior Disaster Management Officials Forum (SDMOF) during which members shared their best practices and local perspectives on how to mainstream disaster risk reduction policies and promote public-private partnership by leveraging digital innovation and multi-hazard approach so as to build emergency response capacity and business resilience. The EPWG also took the decision to update the 2015 Disaster Risk Reduction Framework (DRRF) and the 2016 Disaster Risk Reduction Action Plan (DRRAP) in 2023. Both the 2015 DRRF and 2016 DRRAP were endorsed by APEC leaders but require a refresh due to the lack of post Covid-19 context and sustainability perspective.

***Sustainability succeeds when diversity and inclusion are at its core.*** In June 2022, PPWE held a policy dialogue to discuss women empowerment, through the BCG model towards balanced, inclusive, and sustainable growth. In their break-out session discussions, policy makers, experts and business leaders shared their views and experiences on how to meaningfully engage women in sustainable economic growth strategies. In August and in September, PPWE and the Women's Economic Forum held policy dialogues on how models such as the BCG Economy can advance women's economic empowerment and build resilience for future shocks to APEC economies. At the 47th Human Resource Development Working Group (HRDWG) plenary Thailand hosted a panel discussion on Shaping Smart Citizens with Digitalization and Eco-friendly Awareness with participants from member economies, universities, and international organizations. On November 3, the 7th APEC BEST Award was conducted with the new nominations introduced (BCG Economy leader and BEST Top manager in BCG economy).

Further, the TELWG undertook activities that advanced the 'Smart Silver Innovation Project.' Since 2019 this project has sponsored additional lectures, workshops, and reports on aging societies aiming to find appropriate digital solutions to solve the issues on ageing society by ICT. To further support APEC's inclusive growth agenda, the SMEWG continued to support the internationalisation of Indigenous businesses. The TELWG also conducted a workshop on *'Driving the Digital Transformation and Capacity Building for APEC Indigenous Peoples through i-Tribe Free Outdoor WiFi'*, which focused on inclusive connectivity.

## 2.2 ECOTECH Medium-Term Priorities

The ECOTECH Medium-Term Priorities, are a set of key programming areas originally developed to focus members collective efforts on meeting the commitments outlined in the Economic and Technical Cooperation

Section (Part II) of APEC's framework for achieving the Bogor Goals - the Osaka Action Agenda. With APEC having established a new vision statement in 2020 - the Putrajaya Vision 2040 (APV2040) and subsequently an implementation plan to achieve its objectives in 2021 -the Aotearoa Plan of Action (APA), a need was identified to ensure that the ECOTECH Medium-Term Priorities were fit for purpose and aligned with APEC's new agenda. Due for review in 2019, SCE took the decision to delay the review until 2022 to ensure that the Medium-Term priorities were aligned with the implementation plan for the APV2040 (2019/SOM1/019).

The 1996 Manila Declaration on an Asia-Pacific Economic Cooperation Framework for Strengthening Economic Cooperation and Development outlined the key areas of APEC economic and technical cooperation. A revised set of priorities were established in 2010 and further refined in 2014 (2014/SOM3/SCE/002) that covered the following cross-cutting and work stream priorities:

Cross-cutting priorities: 1. Developing human capital through capacity building; 2. Developing and strengthening the dynamism of SMEs; 3. Harnessing technologies for the future and supporting innovation; 4. Inclusive growth - addressing the social dimension of globalization, health, gender.

Workstream priorities: 5. Regional economic integration; 6. Structural reform; 7. Safeguarding the quality of life through sustainable growth; 8. Human security.

Through the 2022 review process, members affirmed that the previous ECOTECH Medium-Term Priorities align and are captured within the APV2040 and APA's economic drivers, objectives and collective actions. The mapping first identified and then integrated relevant collective actions into the ECOTECH Medium-Term Priorities framework for the SCE's next five-year cycle. Table 1 showcases the alignment between the previous ECOTECH Medium-Term Priorities and the ECOTECH-related Collective Actions outlined in the APA. In addition, table 1 identifies SCE sub-fora that play a leadership role in the advancement of the ECOTECH Medium-Term Priorities.

ECOTECH Medium- Term Priorities (2015-19)	APA ECOTECH-related Collective Actions	Key Responsible Sub-fora
Regional Economic Integration	<p><b>APV2040 Economic Driver: Trade &amp; Investment-</b> Implement APEC's Connectivity Blueprint, including by strengthening connectivity and resilient supply chains within APEC, and by cooperating to equip businesses to better understand their supply chains;</p> <ul style="list-style-type: none"> <li>- Address key infrastructure gaps and enhance connectivity by creating transparent regulatory environments, promoting dialogue, and sharing best practices that enable quality infrastructure development &amp; investment, which remains accessible, sustainable and affordable with respect to life-cycle costs;</li> <li>- Improve digital connectivity in the region;</li> <li>- Promote &amp; cooperate on measures that facilitate the safe cross-border movement of people, particularly in the context of changing pandemic related health &amp; travel measures, so as to strengthen tourism, aviation &amp; similarly affected sectors;</li> <li>- Promote capacity building to improve physical, institutional &amp; people-to-people connectivity.</li> <li>- Strengthen multi-stakeholder cooperation to promote responsible business conduct, particularly with the private sector.</li> </ul>	HWG HRDWG PPSTI PPWE SMEWG TWG TELWG TPTWG
Harnessing technologies for the future & supporting innovation	<p><b>APV2040 Economic Driver: Innovation &amp; Digitalisation -</b> Identify ways to support resilience and recovery by utilising science, technology and innovation systems, including through capacity building;</p> <ul style="list-style-type: none"> <li>- Adopt new &amp; emerging technologies to stimulate growth, connectivity &amp; digital transformation;</li> <li>- Share best practice, and promote approaches for a digital economy that fosters competition and promotes innovation;</li> <li>- Address challenges and barriers to achieving an enabling, inclusive, open, fair and non-discriminatory digital and innovation environment;</li> <li>- Collaborate to develop an innovative digital business environment, including through frameworks and understandings on best practice that encourage the development, application, uptake and management of new technologies;</li> <li>- Deepen APEC's multi-stakeholder engagement and collaboration on digital issues, especially with business;</li> <li>- Promote ecosystems that support MSMEs, including those in the creative industry, to take advantage of the digital economy; and</li> <li>- Support the identification and integration of new and emerging sustainable transportation and mobility technologies and services.</li> <li>- Accelerate APEC work &amp; capacity building on the digital economy, including by prompt &amp; effective implementation of APEC's Internet &amp; Digital Economy Roadmap;</li> <li>- Cooperate on measures to address the digital divide, including facilitating access to digital infrastructure &amp; supporting development of digital skills &amp; digital literacy;</li> <li>- Cooperate to accelerate digital transformation, including by supporting the digitalisation of industries such as services, manufacturing and agriculture;</li> <li>- Stimulate practical application of digital technologies for inclusive &amp; sustainable growth in such areas as trade, finance, public services &amp; healthcare.</li> <li>- Promote e-commerce / digital trade, including by supporting the development &amp; implementation of international &amp; regional norms &amp; standards for the digital economy, compatibility of standards, regulations &amp; systems, &amp; supporting discussion &amp; sharing best practice on rules &amp; regulations in e-commerce/digital trade.</li> </ul>	ACTWG ATCWG EPWG EWG HWG HRDWG PPSTI PPWE SMEWG TWG TELWG TPTWG

<p style="text-align: center;"><b>Human security, Inclusive growth—addressing the social dimension of globalization, health &amp; gender; Developing &amp; strengthening the dynamism of SMEs</b></p>	<p><b>APV2040 Economic Driver: Strong, Balanced, Secure, Sustainable &amp; Inclusive Growth</b></p> <ul style="list-style-type: none"> <li>- Build on APEC’s Agenda on Advancing Economic, Financial and Social Inclusion to enhance economic inclusion for all, including by: <ul style="list-style-type: none"> <li><b>a.</b> Advancing inclusive policies, including under the economic drivers of trade &amp; investment, &amp; innovation &amp; digitalisation, to promote sustainable economic growth opportunities &amp; improve quality of life for all members of society;</li> <li><b>b.</b> Advancing gender equality and the economic empowerment of women, particularly through accelerating the full implementation of the actions in the La Serena Roadmap for Women and Inclusive Growth and building on them;</li> <li><b>c.</b> Promoting start-ups and advancing MSMEs’ access to finance, global markets, and global value chains as well as assisting in building their capacity to effectively participate in the wider economy;</li> <li><b>d.</b> Building on APEC’s work on supporting MSMEs’ and women’s economic empowerment, and cooperate to further develop APEC’s work on other groups with untapped economic potential, such as indigenous peoples as appropriate, people with disabilities, and those from remote and rural communities;</li> <li><b>e.</b> Promoting economic and technical cooperation to enhance capacity building and inclusive economic participation; and</li> <li><b>f.</b> Sharing experiences and best practice to promote inclusiveness and quality of life, including through: promoting structural reform to remove barriers to economic participation; encouraging the transition of economic actors from the informal to the formal economy; and data analysis.</li> </ul> </li> <li>- Enable quality and equitable health access and outcomes for all with a view to achieving universal health coverage, including by strengthening health systems, by cooperating on: <ul style="list-style-type: none"> <li><b>a.</b> preventing, detecting, responding to, and recovering from, pandemics;</li> <li><b>b.</b> accelerating equitable access to safe, effective, quality-assured, and affordable vaccines for all;</li> <li><b>c.</b> supporting the safe, secure &amp; efficient operation of resilient health related supply chains;</li> <li><b>d.</b> the use of digital technologies that foster health system innovation, such as telemedicine and digital health;</li> </ul> </li> <li>- Ensure lasting food security, food safety &amp; improved nutrition for all, as well as reducing food waste &amp; loss in the region by promoting agricultural &amp; food trade, agricultural sustainability &amp; innovation &amp; implementing the Food Security Roadmap Towards 2030;</li> <li>- Enhance cooperation to foster secure growth, including by implementing the APEC Beijing Declaration on Fighting Corruption, Santiago Commitment to Fight Corruption and Ensure Transparency, and the APEC Consolidated Counter-Terrorism and Secure Trade Strategy.</li> </ul>	<p>ATCWG ACTWG EPWG HWG PPWE SMEWG PPSTI</p>
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<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Developing human capital through capacity building</p>	<p><b>APV2040 Economic Driver: Strong, Balanced, Secure, Sustainable &amp; Inclusive Growth-</b> Innovate &amp; exchange expertise on skills &amp; human resource development &amp; cooperate on sharing lessons &amp; best practice in these areas;</p> <ul style="list-style-type: none"> <li>- Cooperate to improve the collection &amp; analysis of skills &amp; labour market data sets, including to better assess &amp; bridge skills gaps and mismatches between skills &amp; employment;</li> <li>- Strengthen economic and technical cooperation to intensify capacity building in inclusive human resource development;</li> <li>- Cooperate on the development of skills and literacy for all to accelerate the digital transformation of the region's economy, including by implementing APEC's Education Strategy &amp; the APEC Framework on Human Resources Development in the Digital Age;</li> <li>- Build on existing APEC work on mutual recognition of qualifications to deepen &amp; widen its coverage.</li> </ul>	<p>HRDWG PPWE SMEWG TWG TELWG PPSTI</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Structural Reform; Human security; Safeguarding the quality of life through sustainable growth</p>	<p><b>APV2040 Economic Driver: Strong, Balanced, Secure, Sustainable &amp; Inclusive Growth-</b> Cooperate in relevant APEC fora to develop, encourage and exchange best practice policies, and promote capacity building programmes, that address all environmental challenges - including climate change - &amp; support sustainable growth, such as through:</p> <ol style="list-style-type: none"> <li>a. structural reform;</li> <li>b. trade, including APEC's work on facilitation of trade in environmental goods &amp; services;</li> <li>c. public finance, including tax policy and rationalising and phasing out inefficient fossil fuel subsidies that encourage wasteful consumption, while recognising the importance of providing those in need with essential energy services;</li> <li>d. sustainable infrastructure and transport;</li> <li>e. promoting sustainable growth across sectors &amp; the development of cost effective low and zero emissions technologies, sustainable finance and, if appropriate, carbon pricing mechanisms; and</li> <li>f. ensuring energy security access reliability &amp; resilience through energy transition.</li> </ol> <ul style="list-style-type: none"> <li>- Seek to deliver existing Leaders' commitments on energy issues: particularly to accelerate progress towards the 2030 target of doubling the share of renewable energy in the APEC energy mix, including in power generation, from 2010 levels by 2030; &amp; to deliver a plan to reduce aggregate energy intensity by 45%, from 2005 levels, by 2035;</li> <li>- Work towards the sustainable resource management of agriculture, forestry &amp; marine resources &amp; fisheries, including by implementing the APEC Roadmaps on Marine Debris &amp; Combatting Illegal, Unreported &amp; Unregulated (IUU) Fishing &amp; commitments to combat illegal logging &amp; associated trade;</li> <li>- Further implement the APEC Disaster Risk Reduction Framework;</li> <li>- Advance APEC's circular economy work; and</li> <li>- Advance work on sustainable tourism.</li> </ul>	<p>ATCWG EPWG EWG EGILAT OFWG PPWE SMEWG TWG TELWG TPTWG PPSTI</p>

As of 2023, SCE and its sub-fora will be expected to reflect the updated ECOTECH Medium-Term Priorities (the ECOTECH-related collective actions) in their work plans as well as in their end year reporting, while using existing templates and reporting structures.

## 2.3 Fora Administration

### a. Ensuring alignment of SCE Fora Governance Documents

In accordance with the SCE Terms of Reference, the SCE has the mandate to “coordinate action-oriented and integrated strategies in accordance with Leaders’ and Ministers’ commitments.” In 2022, the SCE discussed how to ensure that all SCE sub-fora made adequate provision to implement the APEC Putrajaya Vision 2040, including through the Aotearoa Plan of Action, in their work plans, strategic plans and terms of reference. As a result, SCE sub-fora, with the assistance of the SCE, undertook a review of their governance documents and the table below references whether the work plans, terms of reference and strategic plans of SCE sub fora are reflective of APEC’s overarching vision and objectives – the Putrajaya Vision 2040, including, when relevant, the Aotearoa Plan of Action.

**Table 2: Alignment of SCE Fora Governance Documents with the APV2040** (as of 12 November, 2022)

SCE Sub-fora	Work Plan	ToR	Strategic Plan
Agricultural Technical Cooperation Working Group (ATCWG)	Yes	Yes	Yes
Anti-Corruption and Transparency Working Group (ACTWG)	Yes	Yes	Update underway (2022)
Emergency Preparedness Working Group (EPWG)	Yes	Yes	Update underway (2020)
Energy Working Group (EWG)	Yes	Yes	No (2023)
Experts’ Group on Illegal Logging and Associated Trade (EGILAT)	Yes	Yes	Yes
Health Working Group (HWG)	Yes	Yes	Update underway (2020)
Human Resources Working Group (HRDWG)	Yes	Yes	Yes
Oceans and Fisheries Working Group (OFWG)	Yes	Yes	No (2023)
Policy Partnership on Science, Technology and Innovation (PPSTI)	Yes	Yes	Yes
Policy Partnership on Women and the Economy (PPWE)	Yes	Yes	Update underway (2021)
Small and Medium Sized Enterprises Working Group (SMEWG)	Yes	No*	Yes
Telecommunications and Information Working Group (TELWG)	Yes	Yes	No (2025)
Tourism Working Group (TWG)	Yes	Yes	No (2024)
Transportation Working Group (TPTWG)	Yes	Yes	Yes

\*SMEWG ToR endorsed in advance of the finalisation of the Putrajaya Vision 2040 in 2020.

### b. Approving Strategic Plans

As of 2 November, 2022, the SCE approved 5 Strategic Plans: Agricultural Technical Cooperation Working Group (ATCWG); Experts Group on Illegal Logging and Associated Trade (EGILAT); Human Resources Development Working Group (HRDWG); Policy Partnerships on Science, Technology and Innovation (PPSTI), Transportation Working Group (TPTWG). Work remains ongoing at the sub-fora level with a view towards having all expired or expiring strategic plans updated before the end of the 2022 calendar year.

### c. *Approving Annual Work Plans*

The Terms of Reference of SCE, as reconfirmed in 2020, mandates SCE to “*assess and direct realignment of individual work plans of Working Groups and SOM Policy Partnerships with the APEC-wide medium-term ECOTECH priorities and annual objectives as outlined in the ECOTECH framework*” and stipulates that “*to this purpose, all Working Groups and Policy Partnerships should submit their strategic and annual work plans to the SCE.*” As such, 14 work plans were submitted and all were approved in 2022 (as reflected in Table 2).

In addition, the Executive Director of the APEC Secretariat presented a report: ‘*2022 Report of the APEC Secretariat Executive Director on Fora Work: Alignment, Synergies, and Implementation of the Putrajaya Vision 2040 including through the Aotearoa Plan of Action*’ (annex 1), which noted that the majority of SCE sub-fora focused their activities to respond to recent mandates from Leaders and Ministers with sub fora such as EPWG; HRDWG; PPSTI; PPWE; SMEWG; and TPTWG specifically citing recent the instructions from Ministers. In addition, the majority of sub-fora made linkages between their specific activities and APEC 2022 priorities.

## 2.4 Alignment of SCE fora Work with ECOTECH Medium-Term Priorities

Notably, all SCE sub-fora work plans make linkages between their specific activities and the relevant ECOTECH Medium-Term Priorities. Further SCE sub-fora end year reports highlighted the work completed that meaningfully advanced APEC’s efforts to achieve its medium-term objectives. Table 3 provides examples of 2022 SCE fora deliverables contributing to the achievement of the ECOTECH Medium-Term Priorities.

**Table 3: 2022 SCE fora Deliverables Advancing the ECOTECH Medium-Term Priorities**

<b>ECOTECH Medium-Term Priorities</b>	<b>Subfora</b>	<b>SCE Sub Fora Contributions in 2022</b>
<b>Regional Economic Integration</b>	TWG	Seminars held on Cross-border Tourism Recovery Post COVID-19: Current Situation, Trends and Challenges and APEC Tourism Recovery Index Release and Best Practice Sharing (TWG 02 2021A)
	TPTWG	Policy Roundtable held on the Safe Passage of APEC Maritime Workers
<b>Harnessing Technologies for the Future &amp; Supporting Innovation</b>	PPSTI	Technological toolkit published: Industry 4.0: Enabling Technologies and Inclusive Digitization for Post-COVID-19 Economic Recovery in APEC Value Chains. (PPSTI 03 2020)
	PPSTI	Workshop and publication on Capacity Building on Climate-Smart Agriculture by Using Geospatial Data and Earth Science Technology (PPSTI 05 2020A)
	PPSTI	Publication titled “Policy Recommendation on Improving Supply Chain Performance with Digital Manufacturing Technology amid Pandemic Crisis” (PPSTI 06 2020A)
	PPSTI	Conference on Science and Technology Parks: Possible Catalysts in Promoting Enabling Environment for Innovation (PPSTI 02 2021A)
	PPSTI	Online Consultation and Case Study Forum on Leveraging Digital Twin Technology to Enhance Supply Chain Productivity for Resilient Economy (PPSTI 03 2021A)
	PPSTI	Workshop on Strengthening APEC Think Tank Cooperation on STI Strategy to Enhance Recovery with Innovation, Inclusion & Sustainability (PPSTI 05 2021)
	PPSTI	Workshop held for twenty-four early to mid-career researchers from 14 APEC economies (PPSTI 03 2022S)
	PPSTI	Workshop held on the development of ornamental plant and flower clusters for Sustainable Careers and Competitiveness of SMEs in APEC (PPSTI 05 2022S)

	PPSTI	2022 APEC Research Centre for Typhoon and Society (ACTS) Annual Meeting held (PPSTI 06 2022S)
	PPSTI	Workshop held on APEC Public-Private Dialogue on Challenges, Opportunities, and Digitally-enabled Recovery in the Post-COVID Era (PPSTI 07 2021A)
	TELWG	Report and Workshop on Telemedicine in the Asia-Pacific Region: Network Architecture, Capacity, and Feasibility (TEL 02 2020A)
	TELWG	Online workshop was held on Driving the Digital Transformation and Capacity Building for APEC Indigenous Peoples through i-Tribe Free Outdoor WiFi (TEL 03 2021S)
	TELWG	a virtual workshop held on Going Digital to Build Resilience and Sustainable Growth in Response to COVID-19 (TEL 04 2021S)
	HWG	APEC Conference on Digital Healthcare Innovation - COVID-19 Response by Health Information Utilisation (HWG 08 2020A)
	HWG	Policy Dialogue held on exploring Health Technologies to Restoring Cross-Border Travel in APEC Post-COVID-19 (HWG 02 2022S)
	TWG	Seminars held on Cross-border Tourism Recovery Post COVID-19: Current Situation, Trends and Challenges and APEC Tourism Recovery Index Release (TWG 02 2021A)
	TPTWG	Online Workshop held on Port Digitalization in the APEC Region
	TPTWG	Virtual workshop held on international cooperation in autonomous navigation to promote safe, efficient, and sustainable maritime transport (TPT 02 2022S)
	ACTWG	Workshop/Publication on Technology for Transparency: Digital Disruption to Corruption
	ATCWG	APEC Workshop on the Application of Electronic Veterinary and Phytosanitary Certificate (ATC 02 2021A)
	ATCWG	APEC-GRA Joint Workshop on Enhancing Livestock GHG Inventory Methodology (ATC 01 2020S)
<b>Inclusive Growth Addressing the Social Dimension of Globalization, Health &amp; Gender</b>	TPTWG	Advanced work on Women in Transport (WiT) initiative
	PPWE	Virtual seminar held on restructuring women-led MSME's in the textile and garment (T&G) industry (PPWE 01 2019A)
	PPWE	Two virtual workshops were held on COVID-19 Indigenous and Diverse Women-led MSME Responses (PPWE 06 2020)
	PPWE	APEC Business Efficiency and Success Target (Best) Award (PPWE 02 2022S)
	PPWE	Virtual workshop was held on the untapped economic potential of including women in the digital economy in the APEC region (PPWE 07 2020)
	HWG	Publication on Empowering People with Mental Disorders Through Optimum Health Programme: A New Approach to Mental Health in Region (HWG 03 2020A)
	PPWE	A virtual workshop was held on promoting gender equality in the telecommunication industry for inclusive recovery (PPWE 01 2021)
	PPWE	2022 APEC Healthy Women, Healthy Economies Research Prize announced
	HWG	Workshop held on Development Economic Analysis due to Visual Impairment and Avoidable Blindness (HWG 07 2020A)
	ACTWG	Publication of APEC Gender-Mainstreaming Training Package: Mentor's & Mentee's Handbooks
	HRDW G	APEC-Australia Women in STEM Research Fellowship (HRD 01 2022S)
	SMEWG	Series of capacity building workshops on Growing Indigenous Businesses through Trade (SME 03 2022S)

	ATCWG	Seminar on Promoting Rural Development and Prosperity for All Our People in APEC Region (ATC 01 2022S)
	ATCWG	Virtual Workshop on a Greater Understanding of Food Loss Reduction Practices at the Farm/Producer Level (ATC 02 2022S)
<b>Developing &amp; Strengthening the Dynamism of SMEs</b>	TWG	Publication: Understanding the Role Played by ICT in Disaster Response of MSMEs (TWG 01 2020)
	TWG	Event/publication: How do MSMEs and Individuals in Travel and Tourism Sector Survive and Recover from COVID-19 with a 4-day Virtual Workshop on MSMEs and individuals applying digital tools (TWG 01 2021)
	ACTWG	Panel Discussion on Empowering the Media's Inclusion in the Fight Against Corruption
	SMEWG	Workshop/publication on Public Policy, Fintech & SMEs: Recommendations for Promoting a New Financing Ecosystem (SME 09 2019A)
	SMEWG	Workshop/publication on Multi-Stakeholder Dialogue on Addressing Impediments for MSMEs' Integration into Global Value Chains in Agriculture and Food Sector (SME 10 2019A)
	SMEWG	Event/publication: APEC Workshop on Promoting Social Enterprises for Inclusive Growth (SME 05 2020)
	SMEWG	Workshop held on Ready for the 'Next Normal': How MSMEs should Adapt to an Evolving Market Landscape (SME 01 2021)
	SMEWG	Forum/publication on 2022 APEC SME Forum on Promoting Low-Carbon-Driven Industrial Ecosystem for Smart Green Economy (SME 02 2021A)
	SMEWG	Forum held on Business Ethics for SMEs Initiative: A Vision for Healthy Businesses and Healthy People (SME 05 2021A)
	SMEWG	Forum held on APEC SMEs New Paradigm - Revitalise Sustainable Business through Digital Resilience (SME 07 2021A)
	SMEWG	Workshop held on Enhancing Green MSMEs' Competitiveness for a Sustainable and Inclusive Asia-Pacific Phase II – Food Sector Waste Reduction in Food Supply Chain (SME 02 2020S)
	SMEWG	APEC SME Digital Economy Development Conference held (SME 02 2021S)
	SMEWG	Policy Dialogue held on APEC Cross-Domain Innovation Ecosystem Initiative: Facilitate the Inclusive Growth of SMEs through the Digital Platform Across the APEC Region (SME 09 2021S)
	SMEWG	2022 APEC SME Seminar held on Promoting "Specialized and Innovative" Development held (SME 02 2022S)
	SMEWG	Workshop held on Accelerating Bio-Circular-Green (BCG) Adoption among APEC MSMEs (SME 04 2022S)
<b>Developing Human Capital through Capacity Building</b>	HWG	A web conference was held on Performance Assessment of Mental Health Rehabilitation to Combat the 4th Wave of COVID-19 (HWG 04 2020A)
	HWG	Conference held on Achieve One Planet from 4E: Eat, Exercise, Ecology, Economics (HWG 06 2020A)
	TWG	Seminar held on Asia & Pacific Sustainable Development of Tourism Vocational Education (TWG 02 2021S)
	TWG	Publication of 'Tourism Access and Inclusion: Best Practice Guidelines for Tourism MSMEs in APEC' (TWG 05 2020S)
	TWG	Workshop held on Developing and disseminating best practices on the application of visitor management techniques in APEC economies (TWG 05 2021S)
	HWG	Regional Workshop held on Capacity Building of Cancer Prevention and Control (HWG 02 2021S)

	HWG	Workshop held on best Practices for Healthy and Active Ageing Initiatives (HWG 05 2021A)
	TWG	Publication of the Handbook on Developing Community-Based Entrepreneurship (CBE) in Rural Tourism through Digital Empowerment (TWG 01 2019A)
	TPTWG	APEC SEN Distance Learning Platform for Seafarers Conference held (TPT 06 2020A)
	HRDW G	APEC Symposium on Developing New Leadership Capabilities in Response to the Work Evolution in the Digital Age held (HRD 03 2020A)
	HRDW G	APEC Forum on Social Dialogue as a tool to address labour market challenges held (HRD 06 2020A)
	HRDW G	APEC Digital Economy and Innovative Entrepreneurship Online Forum held on Enhancing Inclusive Participation and Digital Upskilling for Youth (HRD 08 2020A)
	HRDW G	Virtual workshop held on Life-Long Learning and Skilling: Creating Onramps for Unemployed and Displaced Adults to Access Upskilling and Reskilling Opportunities (HRD 02 2021A)
	HRDW G	Online training, a webinar and two workshops held on Quality Assurance of Online Learning for APEC Higher Education Institutions (HRD 03 2021A)
	HRDW G	APEC ASD-CBA Workshop: Best Practices for Empowering the Health Workforce through Digital Upskilling held (HRD 06 2021A)
	HRDW G	52 <sup>nd</sup> – 54 <sup>th</sup> APEC e-Learning Training Program held (AeLT) (HRD 04 2022S)
	HRDW G	ALCoB Professional Learning and ICT Volunteer virtual training held (HRD 08 2022S)
	HRDW G	APEC Entrepreneurship Education Program (AEEP) held (HRD 12 2022S)
<b>Human Security</b>	HWG	Workshop was held on Integrative Medicine (IM) and COVID-19 Care (HWG 13 2021)
	HWG	Workshop was held on International Workshops on Managing Emerging Infectious Diseases for Front-Line Healthcare Workers (HWG 09 2021A)
	TPTWG	Workshop held on building a culture of security and countering the Insider Risk Maximising Cross-Border Labor Mobility of Seafarers for the Digital Age Conference (TPT 03 2020A)
<b>Structural Reform</b>	PPWE	A website on Gender Data for Structural Reform was developed and made publicly available (PPWE 04 2020A)
	TPTWG	A workshop held on building randomness and unpredictability into Aviation Security Countermeasure Development and Implementation (TPT 02 2020A)
<b>Safeguarding the Quality of Life through Sustainable Growth</b>	EWG	APEC Low-Carbon Model Town - Feasibility studies of La Molina District in Peru, Khon Kaen in Thailand and Phu Quoc in Viet Nam were conducted (EWG 01 2019A)
	EWG	The sixth energy efficiency policy workshop was held to discuss energy efficiency project financing in the APEC region (EWG 02 2021A)
	EWG	Workshop held to bring together officials, representatives from the private and academic sectors and other stakeholders in solar energy to share case studies and strategies in solar energy (EWG 10 2019A)
	EWG	APEC workshop on Integrating Electrical Vehicles and Solar Rooftop PV in Electricity Distribution Systems with Continued Performance of Distribution Transformers was held (EWG 03 2020A)
	EWG	The Report -The APEC Workshop on Community Based Waste to Energy Management - was published (EWG 04 2020A)
	EWG	Three Energy Resiliency Workshops were held (EWG 07 2020A)

EWG	APEC Workshop on Promoting Renewable Energy for Rural and Remote Area Development was held virtually (EWG 08 2020A)
EWG	The workshop under the APEC Project “Utilizing renewable energy certification to facilitate APEC regional renewable energy growth” was held (EWG 10 2020A)
EWG	APEC Workshop on the Implementation of Green Building Concepts and Policies in Emerging Countries was held virtually (EWG 11 2020A)
EWG	APEC Workshop on the Promotion of Community Waste-to Energy System was held (EWG 14 2020A)
EWG	A capacity building workshop was organised to share policies, standards, guidelines, best practices and advanced technology for the deployment of green data centres (EWG 05 2021A)
EWG	The 18th OGSS report entitled “Impact of COVID-19 on oil and gas security” was published in April 2022. (EWG 01 2020S)
OFWG	Virtual workshop on Developing a marine debris monitoring decision framework (OFWG 03 2020A)
PPSTI	Event held on Municipal Solid Waste Management according to BCG Principles towards Sustainable Development Goals (PPSTI 04 2022S)
OFWG	APEC Seminar on Promoting Circular Economy and Sustainable Materials Management to Effectively Address Marine Plastic Litter in the Asia-Pacific Region (OFWG 04 2020A)
OFWG	Workshop on Developing an APEC Best Practices Framework to Address Abandoned, Lost or Discarded Fishing Gear (OFWG 05 2020A)
OFWG	Virtual workshop on Enhancing Collection and Segregation of Waste to Reduce Marine Litter in the APEC Economies (OFWG 08 2020A)
OFWG	Hybrid workshop on Capacity Building on Marine Debris Monitoring by Using Innovative Technologies in APEC Region (OFWG 09 2020A)
OFWG	Workshop on technological innovation for marine microorganism resources (OFWG 06 2021S)
OFWG	Knowledge Sharing for Coastal Resilience in the Asia Pacific region (OFWG 01 2022S)
OFWG	The 21st APEC Roundtable Meeting on the Involvement of the Business/Private Sector in the Sustainability of the Marine Environment (OFWG 02 2022S)
TWG	Updated APEC Guidelines for Tourism Stakeholders 2022 and the Policy Recommendations for Tourism of the Future: Regenerative Tourism published
TWG	Symposium held on Raising Awareness of Tourism Crisis Management (TWG 07 2021S)
TWG	Workshop on Redesigning the Next Phase of Better Tourism: Dialogue to Co-Create APEC Policy Recommendations (TWG 08 2021S)
PPSTI	Project event held on Green Synergy Solutions for Sustainable Community on Agriculture Residue-Based Energy and Circular Economy (PPSTI 06 2021A)
PPSTI	Workshops held on Circular Economy (CE) Technology Foresight Workshop (PPSTI 02 2021S)
PPSTI	APEC Climate Symposium held on Enhancing APEC Resilience through AI Applications in Climate Change Adaptation (PPSTI 05 2022A)
TPTWG	Policy discussions held on how the APEC region can decarbonize transport under the Land Expert Group

## 2.5 Response to COVID-19

In 2022 SCE sub-fora contributed to programs that will help economies increase sustainable economic growth and support the recovery of small and medium sized enterprises from the impacts of COVID-19 within the region. The following are examples of 2022 workshops and other events in support of post-pandemic recovery:

- Compilation of APEC Members' Anti-Corruption Prevention and Transparency Measures related to the Covid-19 Outbreaks: Policy, Good Practices and Measures;
- Post COVID-19 Reaction: APEC SEN Distance Learning Platform for Seafarers Conference;
- Contributions to the Sub-Fund on APEC Cooperation on Combatting COVID-19 and Economic Recovery Workshop on Developing APEC Cities and Built Environments;
- Strategy: Build Back Better Post Covid-19 Pandemic;
- Strengthening Emergency Medical Services (EMS) System for Safe and Resilient Responses in Disease Outbreaks;
- Risk-smart Business in the Post COVID-19 Industry 4.0: Enabling Technologies and Inclusive Digitization for Post-COVID-19 Economic Recovery in APEC Value Chains;
- Going Digital to Build Resilience and Sustainable Growth in Response to COVID-19; and
- Opening Seminar of Tourism Industry of Asia-Pacific Region in the COVID-19 Recovery Period: Current Situation, Trends and Challenges.

## 2.6 Cross-Fora Collaboration

The annual meeting of SCE Fora Chairs and Lead Shepherds (SCE-Committee of the Whole) held on 20 February 2022 in a virtual format. Chairs and Lead Shepherds or their representatives from all 14 of the SCE fora participated. The presence of Chairs, Lead Shepherds or their representatives increased their interactions with each other and Senior Officials, leading to useful practical suggestions for collaborating with other APEC fora. At SCE 2 2022, the APEC Secretariat introduced an amalgamated report that included an assessment of the cross-fora collaborations in annual fora work plans: *'2022 Report of the APEC Secretariat Executive Director on Fora Work: Alignment, Synergies, and Implementation of the Putrajaya Vision 2040 including through the Aotearoa Plan of Action (annex 1)'*. In 2022, SCE sub-fora identified over 100 areas of potential cross-fora collaboration. Further, collaboration was not confined to the same or the more obvious partners but rather a diverse range of partners, differing from project to project. For example, recognizing that the work of the TPTWG is relevant to the Auto Dialogue and Energy Working Group, members of these groups were invited to participate in the relevant energy-transport workshops and meetings including a joint session between the AD and TPTWG in Bangkok in September. Further, in 2022 the TELWG and DESG discussed the mechanisms for better implementation of the APEC Internet and Digital Internet Economy Roadmap (AIDER) in Digital Economy Steering Group (DESG), including the TELWG joint meeting and Private-Public Dialogue and planned to organize a DESG-TELOWG joint meeting and Private-Public Dialogue. The most active sub-fora in terms of collaboration is TWG with EPWG, HRDWG, PPWE, and SMEWG with the TELWG self-reporting the fewest internal and external collaborations in 2022.

The OFWG reported extensive collaborative efforts with APEC fora as well as with relevant regional and international fisheries bodies, to exchange experiences and best practices, as well as to benefit from their work. This included identifying cross-cutting themes for cooperative work and partnerships, with the Policy Partnership on Food Security (PPFS) and Sub-Committee on Customs Procedures (SCCP), and PPWE on gender equality in the fisheries and aquaculture sectors.

The ATCWG collaborated with the PPFS on the Workshop entitled Sharing Good Practices on Sustainable Agricultural Development through the Principle of Sufficiency Economy. Further, the ATCWG continued to support the implementation of the La Serena Roadmap for Women and Inclusive Growth by adhering to its guidelines in conducting its activities, particularly in "Empowering women through access to capital and

markets”, “Support women’s education, training and skills development and access in a changing world of work” and “Advancing women’s economic empowerment through data collection and analysis”.

A number of SCE sub-fora identified collaboration with external partners in their events or activities as per the principles and procedures for managing cooperation between APEC and non-member entities and individuals. For example, within the HWG, representatives from other international organisation, nongovernmental organisation, and academia, including World Health Organization (WHO), ASEAN, the United Nations’ Economic and Social Commission for Asia and the Pacific (ESCAP), the EcoHealth Alliance, the University of Melbourne, and the private sector, actively participated in meetings and the 12th APEC High-Level Meeting on Health and the Economy. Further, the Food and Agriculture Organization (FAO) and the World Trade Organisation (WTO) briefed the OFWG on the FAO Voluntary Guidelines for Transshipment and the Agreement on Fisheries Subsidies, adopted at the 12th Ministerial Conference (MC12) respectively.

While five SCE sub-fora work plans explicitly identified potential collaborations with ABAC, few concrete engagements were highlighted in SCE sub-fora end year reporting. There is therefore likely scope for more frequent collaboration with ABAC as well as ASEAN and the Pacific Islands Forum Secretariat, given their respective roles within the broader APEC process.

## 2.7 APEC Support Fund

In 2004, Ministers endorsed the Australian proposal to set up the APEC Support Fund (ASF) to serve as a flexible funding mechanism. The ASF aims to meet the capacity building needs for developing economy members in APEC’s agreed high priority sectors for economic and technical cooperation. Since its inception, the fund has received contributions from many economies.

Voluntary contributions by APEC members to the ASF and its sub-funds in 2022 (as of 10 November, 2022) were provided or committed by five economies: China; Japan; Korea; and Chinese Taipei.

China provided USD 1,000,000 to the ASF Sub-Fund on APEC Cooperation on Combatting COVID-19 and Economic Recovery, and USD 520,000 to the ASF Sub-Fund on Connectivity.

Japan provided USD 765,685 to the ASF Sub-Fund on Energy Efficiency, Low Carbon and Energy Resiliency Measures.

Korea provided USD 700,000 to the ASF Sub-Fund on Digital Innovation.

Chinese Taipei provided USD 500,000 to the ASF General Fund, USD 500,000 to the ASF Digital Innovation Sub Fund, USD 500,000 to the ASF Marine Debris Management and Innovation Sub Fund, and USD 500,000 to the ASF Micro, Small and Medium Enterprises Sub Fund.

United States provided USD 250,000 to the ASF Marine Debris Management and Innovation Sub Fund.

**Table 4: SCE Fora Dashboard**

Forum	Terms of Reference	Annual Work Plan	Strategic Plan	Annual Fora Report	Fora Assessment
ACTWG	2022-2025	2022	2019-2022	2022	2021
ATCWG	2022-2025	2022	2021-2025	2022	2021
EGILAT	2022-2025	2022	2023-2027	2022	2021
EPWG	2022-2025	2022	2021-2024	2022	2021
EWG	2022-2025	2022	2019-2023	2022	2021
HWG	2022-2025	2022	2016-2020	2022	2021
HRDWG	2022-2025	2022	2017-2020	2022	2021
OFWG	2022-2025	2022	2021-2023	2022	2021
PPSTI	2022-2025	2022	2016-2025	2022	2021
PPWE	2022-2025	2022	2019-2021	2022	2021
SMEWG	2021-2024	2022	2021-2024	2022	2020
TELWG	2022-2025	2022	2021-2025	2022	2021
TPTWG	2022-2025	2022	2022-2025	2022	2021
TWG	2022-2025	2022	2020-2024	2022	2021

### 3. SCE Fora in Action

The work of SCE is evident in the number and scope of its 14 fora and the projects overseen by those fora.

In 2022 the approval rate for all APEC Concept Notes applying to the ASF sub-funds was 100% across both Project Sessions, compared with 89% in 2021. The overall approval rate for GPA, TILF and ASF General Fund similarly increased from 72% to 85%, in 2022. The high approval rates are the result of a significant decrease in the number of Concept Notes applying for funding since 2020, and an increase in the funding available for projects, particularly an increase in the number of ASF sub-funds since 2019. These two factors reduced competition amongst Concept Notes for funding and has implications for the quality of APEC capacity building projects.

For a more thorough examination of the work done by each forum, including most recent plenary meeting statistics, gender makeup of meetings, projects in implementation phase please refer to the Fora in Action tables that follow. Each working group has a table on the following pages.

The table below containing the number of APEC-funded and approved concept notes by fora.

Forum	ASF	GPA	TILF	Total
Agricultural Technical Cooperation Working Group	90,000 (1)	Nil	Nil	90,000 (1)
Anti-Corruption and Transparency Working Group	Nil	Nil	Nil	Nil
Counter-Terrorism Working Group	Nil	Nil	Nil	Nil
Experts Group on Illegal Logging and Associated Trade	300,000 (2)	Nil	Nil	300,000 (2)
Policy Partnership on Science, Technology and Innovation	807,100 (9)	265,000 (2)	Nil	1,072,100 (11)
Emergency Preparedness Working Group	570,000 (5)	114,400 (1)	Nil	684,400 (6)
Energy Working Group	720,332 (8)	Nil	Nil	720,332 (8)
Health Working Group	848,900 (8)	Nil	Nil	848,900 (8)
Human Resources Development Working Group	986,680 (10)	141,938 (2)	Nil	1,128,618 (12)
Oceans and Fisheries Working Group	485,000 (4)	294,427 (2)	Nil	779,427 (6)
Policy Partnership on Women and the Economy	363,150 (3)	Nil	Nil	363,150 (3)
Small and Medium Enterprises Working Group	1,018,273 (9)	143,000 (1)	Nil	1,161,273 (10)
Telecommunications and Information Working Group	Nil	Nil	Nil	Nil
Tourism Working Group	320,000 (2)	Nil	Nil	320,000 (2)
Transportation Working Group	354,750 (4)	50,000 (1)	Nil	404,750 (5)
Total*	6,864,185 (65)	1,008,765 (9)	Nil	7,872,950 (74)

**Table 5: SCE Fora Projects by Funding Source**

\* In principle approval during project sessions one and two of 2022.

### 3.1 Fora in Action Tables:

#### Agricultural Technical Cooperation Working Group (ATCWG)

Name of SCE Sub-fora				ATCWG				
SCE-COW Participation in 2022				Yes				
Related Ministerial Meetings				APEC Ministerial Policy Dialogue on Food Security- 2010, 2012, 2014, 2016, 2019-2022				
Year of Last Fora Assessment				2021				
Year Terms of Reference was Endorsed				2021				
Period of Strategic Plan				2021-2025				
2022 Meetings				APEC Projects in 2022				
Date	Attendance		Economies	Quorum (Y/N)	Concept Notes	APEC Funded <sup>1</sup>	Self-Funded	Total Value (US\$)
	Persons by Gender							
	Women	Men						
20 Aug	26	20	17 (Except: HKC; MEX; PNG)	Y	4	1	3	90,000
2022 Events				APEC Projects in 2022				
Name of Event				Date	Attendance			Economies
					Persons by Gender			
					Women	Men		
APEC-GRA Joint Workshop on Enhancing Livestock GHG Inventory Methodology				16 Jun	42	29	15	
APEC Workshop on Farmer/Producer Perspectives of Food Waste Reduction				29 Aug				
APEC Workshop on Practices and Promotion of Sustainable Models of Agricultural Production and Resource Efficiency: Sustainable Materials Management				Oct				

Communications 2022	
Feature Stories/Blogs	n/a
Publications	<ul style="list-style-type: none"> <li><a href="#">APEC Workshop on Practices and Promotion of Circular Agriculture</a></li> <li><a href="#">Sustainable Materials Management of Food in the APEC Region: A Review of Public Policies That Support Reducing Food Loss and Waste</a></li> </ul>
Last Website Update	March 2022
Media/Outreach Opportunities	n/a

<sup>1</sup> Concept Notes that have received in-principle BMC funding in 2022 Project Session #1 and #2

**List of Projects in Implementation Phase:**

Project No.	Project Title
ATC 01 2021S	APEC Workshop on Practices and Promotion of Sustainable Models of Agricultural Production and Resource Efficiency: Sustainable Materials Management
ATC 01 2020S	APEC-GRA Joint Workshop on Enhancing Livestock GHG Inventory Methodology
ATC 02 2022S	APEC Workshop on Farmer/Producer Perspectives of Food Waste Reduction

**List of Concept Notes that have received in-principle BMC funding in 2022 (Project Sessions #1 and #2):**

Proposed Economy	Project Title
<b>Project Session 1/2022</b>	
NIL	
<b>Project Session 2/2022</b>	
Chinese Taipei	Reducing Food Loss and Waste by Strengthening the Resilience of APEC Food System and Enhancing Digitalization and Innovative Technologies

## Anti-Corruption and Transparency Experts' Working Group (ACTWG) and Anti-Corruption Authorities and Law Enforcement Agencies Network (ACT-NET)

Name of SCE Sub-fora				ACTWG and ACT-NET				
SCE-COW Participation in 2022				Yes				
Related Ministerial Meetings				-				
Year of Last Fora Assessment				2021				
Year Terms of Reference was Endorsed				2021				
Period of Strategic Plan				2019 – 2022				
2022 Meetings				APEC Projects in 2022				
Date	Attendance			Quorum (Y/N)	Concept Notes	APEC Funded <sup>2</sup>	Self-Funded	Total Value (US\$)
	Persons by Gender		Economies					
	Women	Men						
17 Feb (ACTWG)	ACTWG: 39	ACTWG: 29	18 (Except: JPN, PNG, PE)	Y	-	-	-	
18 Feb (ACTNET)	ACTNET: 38	ACTNET: 32						
17-18 Aug (ACTWG)	51	40	20 (Except: JPN)	Y				
2022 Events				APEC Projects in 2022				
Name of Event				Date	Attendance			Economies
					Persons by Gender			
					Women	Men		
Workshop on Technology for Transparency: Digital Disruption to Corruption (Virtual, ACT 01 2021)				14-15 Feb	86	69	17	
Panel Discussion on Empowering the Media's Inclusion in the Fight against Corruption (Virtual, ACT 02 2021)				26 - 27 Jul	62	48	18	

Communications 2022	
Feature Stories/Blogs	
Publications	<a href="#">-APEC Gender-Mainstreaming Training Package: Mentor's Handbook</a> <a href="#">-APEC Gender-Mainstreaming Training Package: Mentee's Handbook</a> <a href="#">-Workshop on Technology for Transparency: Digital Disruption to Corruption</a>
Last Website Update	August 2022
Media/Outreach Opportunities	

### List of Projects in Implementation Phase in 2022:

Project No.	Project Title
ACT 01 2020	Symposium to Develop Gender Sensitivity Training and Guide - To Enhance Gender Mainstreaming and Women's Empowerment in Fighting Corruption
ACT 01 2021	Workshop on Technology for Transparency: Digital Disruption to Corruption
ACT 02 2021	Panel Discussion on Empowering the Media's Inclusion in the Fight Against Corruption

<sup>2</sup> Concept Notes that have received in-principle BMC funding in 2022 Project Session #1 and #2

**List of Concept Notes that have received in-principle BMC funding in 2022 (Project Sessions #1 and #2):**

<b>Proposed Economy</b>	<b>Project Title</b>
<b>Project Session 1/2022</b>	
NIL	
<b>Project Session 2/2022</b>	
NIL	

## Emergency Preparedness Working Group (EPWG)

Name of SCE Sub-fora				EPWG				
SCE-COW Participation in 2022				YES				
Related Ministerial Meetings				No ministerial meeting but a “Senior Disaster Management Officials Forum, SDMOF” in 2022				
Year of Last Fora Assessment				2021				
Year Terms of Reference was Endorsed				2021				
Period of Strategic Plan				2021-2024				
2022 Meetings				APEC Projects in 2022				
Date	Attendance			Quorum (Y/N)	Concept Notes	APEC Funded <sup>3</sup>	Self-Funded	Total Value (US\$)
	Persons by Gender		Economies					
	Women	Men						
18-19 Aug (including the 15 <sup>th</sup> SDMOF held on 19 Aug)	50/51.5%	47/48.5%	16 Except: CDA, INA, NZ, PE, SGP)	Y	6	5	1	629,400
2022 Events				APEC Projects in 2022				
Name of Event				Date	Attendance			
					Persons by Gender		Economies	
					Women	Men		
Virtual Workshop on Developing APEC Cities and Built Environments Strategy: Build Back Better Post Covid-19 Pandemic - EPWG 02 2021A				15-16 Aug	50%	50%	6	
Cycle of workshops to strengthen fire prevention capacities in Wildland-urban Interface (WUI) - EPWG 05 2021A				Nov	TBC	TBC	TBC	
Recovery and Resilience: Risk-smart Business in the Post COVID-19 - EPWG 06 2021A				Nov	TBC	TBC	TBC	
2022 APEC Disaster Resilience Workshop - EPWG 01 2022S				TBC	TBC	TBC	TBC	

Communications 2022	
Feature Stories/Blogs	
Publications	<a href="#">APEC Risk Management Guide for MSMEs</a> <a href="#">APEC Disaster Risk Management Strategies to Support MSMEs Business Sustainability</a> <a href="#">Knowledge Note: Rejuvenating Cities and Resilience Capacities for Multi-Challenges of COVID-19 Pandemic, Extreme Weather Events and Climate-Induced Disaster</a> <a href="#">Policy Brief: Rejuvenating Cities and Resilience Capacities for Multi-Challenges of COVID-19 Pandemic, Extreme Weather Events and Climate-Induced Disaster</a>
Last Website Update	September 2022

<sup>3</sup> Concept Notes that have received in-principle BMC funding in 2022 Project Session #1 and #2

<b>Media/Outreach Opportunities</b>	
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**List of Projects in Implementation Phase:**

Project No.	Project Title
EPWG 02 2021A	APEC Cities and Built Environments (BE) Strategy: Building Back Better in the Post COVID-19
EPWG 05 2021A	Cycle of workshops to strengthen fire prevention capacities in Wildland-urban Interface (WUI)
EPWG 06 2021A	Recovery and Resilience: Risk-smart Business in the Post COVID-19
EPWG 01 2022S	2022 APEC Disaster Resilience Workshop

**List of Concept Notes that have received in-principle BMC funding in 2022 (Project Sessions #1 and #2):**

Proposed Economy	Project Title
<b>Project Session 1/2022</b>	
China	Capacity Building on Disaster Resilience in Rural Communities
Korea	APEC Disaster Risk Reduction Education and Training Institutions Forum
<b>Project Session 2/2022</b>	
Chile	Coping with psychosocial effects of the pandemic on boys, girls and adolescents of APEC economies
Chile	Cycle of workshops to strengthen prevention, coordination, and response capacities through the Incident Command System (ICS)
Chile	Participatory Disaster and Climate Risk Governance: applied research and methodology development for Multipurpose Community Centers
Chile	Improving the resilience of APEC vulnerable coastal communities to climate change

## Experts Group on Illegal Logging and Associated Trade (EGILAT)

Name of SCE Sub-fora				EGILAT				
SCE-COW Participation in 2022				Yes				
Related Ministerial Meetings				Meeting of Ministers Responsible for Forestry (MMRF)- 2011, 2013, 2015, 2017, 2022				
Year of Last Fora Assessment				2021				
Year Terms of Reference was Endorsed				2021				
Period of Strategic Plan				2018 – 2022				
2022 Meetings				APEC Projects in 2022				
Date	Attendance			Quorum (Y/N)	Concept Notes	APEC Funded <sup>4</sup>	Self-Funded	Total Value (US\$)
	Persons by Gender		Economies					
	Women	Men						
14-15 Feb	36	35	17 (Except: HKC, RUS, SGP, VN)	Y	2	2	-	305,000
21-22 Aug	49	74	16 (Except: BD, HKC, MEX, RUS, SGP)	Y				
2022 Events				APEC Projects in 2022				
Name of Event				Date	Attendance			Economies
					Persons by Gender			
					Women	Men		
Pending: Virtual Stakeholder Dialogue on Advancing the Trade & Distribution of Legally Harvested Forest Products: Navigating to Legal Timber				Dec 2022				

Communications 2022	
Feature Stories/Blogs	
Publications	
Last Website Update	August 2022
Media/Outreach Opportunities	<ul style="list-style-type: none"> <li>• <a href="#">APEC to Strengthen Cooperation in Sustainable Forest Management</a></li> <li>• <a href="#">Minister Varawut's Statement on the 5th APEC Meeting of Ministers Responsible for Forestry</a></li> <li>• <a href="#">Chair's Statement of the 5th APEC Meeting of Ministers Responsible for Forestry</a></li> </ul>

### List of Projects in Implementation Phase:

Project No.	Project Title
NIL	

### List of Concept Notes that have received in-principle BMC funding in 2022 (Project Sessions #1 and #2):

Proposed Economy	Project Title

<sup>4</sup> Concept Notes that have received in-principle BMC funding in 2022 Project Session #1 and #2

<b>Project Session 1/2022</b>	
USA	Advancing the Trade & Distribution of Legally Harvested Forest Products: Navigating to Legal Timber (EGILAT 01 2022)
Indonesia	Developing Integrated Timber Data to Enhance Legal Timber Trade of the APEC through Xylaria Networking (EGILAT 02 2022)
<b>Project Session 2/2022</b>	
NIL	

## Energy Working Group

<b>Name of SCE Sub-fora</b>					<b>EWG</b>			
<b>SCE-COW Participation in 2022</b>					<b>YES</b>			
<b>Related Ministerial Meetings</b>					<b>N/A</b>			
<b>Year of Last Fora Assessment</b>					<b>2021</b>			
<b>Year Terms of Reference was Endorsed</b>					<b>2021</b>			
<b>Period of Strategic Plan</b>					<b>2019 -2023</b>			
<b>2022 Meetings</b>					<b>APEC Projects in 2022</b>			
Date	Attendance			Quorum (Y/N)	Concept Notes	APEC Funded <sup>5</sup>	Self-Funded	Total Value (US\$)
	Persons by Gender		Economies					
	Women	Men						
14-16 Jun	61/64%	35/36%	18 (3)	Y	11	8	3	APEC Funded 1,149,535
01-03 Nov	N/A	N/A	N/A	N/A				
<b>2022 Events</b>					<b>APEC Projects in 2022</b>			
Name of Event					Date	Attendance		Economies
						Persons by Gender		
						Women	Men	
APEC Workshop on Integrating Electrical Vehicles and Solar Rooftop PV in Electricity Distribution Systems with Continued Performance of Distribution Transformers					22 Apr	16/58%	22/42%	8
APEC Workshop on Energy Resiliency Principle (Chile)					17 Jan	28/60%	19/40%	5
APEC Workshop on Energy Resiliency Principle (Chinese Taipei)					20 Jan	15/48%	16/52%	6
APEC Workshop on Energy Resiliency Principle (The Philippines)					16 Feb	65/32%	140/68%	6
APEC Workshop on Promoting Renewable Energy for Rural and Remote Area Development					16-17 Aug	33/32%	70/68%	12
APEC Capacity Building Workshop on Retro-Commissioning (RCx)					20-21 Jan	63/68%	30/32%	11
APEC Workshop on Utilizing Renewable Energy Certification to Facilitate APEC Regional Renewable Energy Growth					07-09 Mar	32/46%	37/54%	9
APEC Workshop on the Implementation of Green Building Policies and Concepts towards Low Carbon Model Town (LCMT)					25 Aug	105/37%	180/63%	7
APEC Workshop on the Promotion of Community Waste-to Energy System					14 Oct	N/A	N/A	N/A
Energy Efficiency Policy Workshop on PREE 11: "Energy Efficiency Project Financing"					29 Mar	17/31%	38/69%	14
APEC Workshop on Promoting Energy Efficient and Resilient Data Centres in the APEC Region					28-29 Jun	19/22%	66/78%	5

<sup>5</sup> Concept Notes that have received in-principle BMC funding in 2022 Project Session #1 and #2

Communications 2022	
Feature Stories/Blogs	N/A
Publications	<ul style="list-style-type: none"> <li>• <a href="#">APEC Workshop on the Use of Pumped Storage Hydropower to Enable Greater Renewable Energy Use and Reliable Electricity Supply</a></li> <li>• <a href="#">APEC Workshop on Achieving Business Sustainability for Clean Energy Start-ups</a></li> <li>• <a href="#">Accommodating Disruptive Technology into RE&amp;EE Policies for Energy Security</a></li> <li>• <a href="#">APEC Workshop on Community-based Waste to Energy Management</a></li> <li>• <a href="#">APEC Workshop on Evaluating Energy Technologies, Programs and Policies</a></li> <li>• <a href="#">The Impact of COVID-19 on Oil and Gas Security</a></li> <li>• <a href="#">The Role of Integrated Distribution System Planning in Maximizing Resiliency in the APEC Region</a></li> <li>• <a href="#">APEC Workshop on University Collaboration to Support Data Gathering and Analysis in Energy Efficiency and Renewable Energy</a></li> <li>• <a href="#">Filling the Gap to Reach the Goal of Doubling Renewable Energy in the APEC Region - Phase 2</a></li> <li>• <a href="#">Follow-Up Peer Review on Energy Efficiency in Indonesia</a></li> <li>• <a href="#">APEC Workshop on Strategies and Successful Case Studies on Solar Energy</a></li> <li>• <a href="#">Innovative Approaches for Scaling-up Renewable Energy Deployment in APEC Region</a></li> <li>• <a href="#">Energy Efficiency Policy Workshop on PREE 11: Energy Efficiency Project Financing</a></li> <li>• <a href="#">APEC Energy Demand and Supply Outlook (8th Edition) - Volume I</a></li> <li>• <a href="#">APEC Energy Overview 2022</a></li> <li>• <a href="#">APEC Energy Demand and Supply Outlook (8th Edition) - Volume II</a></li> </ul>
Last Website Update	July 2021
Media/Outreach Opportunities	<ul style="list-style-type: none"> <li>• <a href="#">APEC is on Track to Meet Aspirational Energy Goals</a></li> </ul>

#### List of Projects in Implementation Phase:

Project No.	Project Title
EWG 03 2020A	Integrating Electrical Vehicles and Solar Rooftop PV in Electricity Distribution Systems with Continued Performance of Distribution Transformers
EWG 07 2020A	Workshop on Energy Resilience Principle
EWG 08 2020A	APEC Workshop on Promoting Renewable Energy for Rural and Remote Area Development
EWG 09 2020A	APEC Capacity Building Workshop on Retro-commissioning (RCx)
EWG 10 2020A	Utilizing renewable energy certification to facilitate APEC regional renewable energy growth
EWG 11 2020A	Implementation of Low-Carbon Model Town through Green Building Infrastructure and Management Platform
EWG 14 2020A	The Promotion of Community Waste-to-Energy System
EWG 02 2021A	APEC Peer Review on Energy Efficiency (PREE) Phase 11
EWG 05 2021A	Promoting Energy Efficient, Resilient and Data Centres in the APEC Region

EWG 09 2021A	APEC Energy Resiliency Enhancement Project
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**List of Concept Notes that have received in-principle BMC funding in 2022 (Project Sessions #1 and #2):**

Proposed Economy	Project Title
<b>Project Session 1/2022</b>	
Viet Nam	APEC Workshop on Sharing Experiences In Developing Minimum Energy Performance Standards (MEP) To Reduce Electricity Consumption In Industrial Production
United States	Routes for integrating the Energy and Transport Sectors for Sustainable Urban Mobility
Australia	Regulatory/market settings to support greater electrical energy storage development for sustainable & socially responsible electricity sector CO2 emissions reductions in APEC economies
China	Data Driven Carbon Neutral Disaster Resilient Cities
Hong Kong, China	Promoting Energy Modelling in APEC Region
<b>Project Session 2/2022</b>	
Viet Nam	APEC Workshop on Sustainable Energy Transition: Opportunities and Challenges
Japan	APEC Peer Review on Energy Efficiency (PREE) Phase 12
Hong Kong, China	APEC Retro-Commissioning (RCx) Hub: Training and Registration Scheme

## Health Working Group

<b>Name of SCE Sub-fora</b>				<b>HWG</b>				
<b>SCE-COW Participation in 2022</b>				<b>YES</b>				
<b>Related Ministerial Meetings</b>				<b>High-Level Meeting on Health and the Economy (HLMHE)- 2011-2022</b>				
<b>Year of Last Fora Assessment</b>				<b>2021</b>				
<b>Year Terms of Reference was Endorsed</b>				<b>2021</b>				
<b>Period of Strategic Plan</b>				<b>2021-2025</b>				
<b>2022 Meetings</b>				<b>APEC Projects in 2022</b>				
Date	Attendance			Quorum (Y/N)	Concept Notes	APEC Funded <sup>6</sup>	Self-Funded	Total Value (US\$)
	Persons by Gender		Economies					
	Women	Men						
15-17 Feb (with LSIF 15 Feb)	61/51.7%	57/48.3%	20 Except: PNG	Y	14	8	6	1,115,904
22-23 Aug SOM3	96/54.5%	80/45.5%	20 Except: PNG					
<b>2022 Events</b>				<b>APEC Projects in 2022</b>				
Name of Event	Date	Attendance			Economies			
		Persons by Gender		Economies				
		Women	Men					
Webinar on Empowering People with Mental Disorders Through Optimum Health Programme: A New Approach to Mental Health in Region (HWG 02 2020A)	5-7 Jan	55	21	4				
Virtual Workshop (Thematic Session 4) on Cancer Control Policy: Accelerating Implementation of Cancer Control Programs in APEC Economies through (LSIF 02 2021S)	27 Jan	N/A	N/A	15				
Webinar on Empowering Telehealth Solutions in the APEC Region: A Conversation (LSIF 01 2021S)	08 Mar	N/A	N/A	N/A				
Achieve One Planet from 4E: Eat, Exercise, Ecology, Economics (HWG 06 2020A)	17 Mar	159	63	10				
Workshop on Development of Economic Analysis due to Visual Impairment and (Avoidable) Blindness (HWG 07 2020A)	25-27 Mar	49	40	12				
APEC Policy Dialogue: Exploring Health Technologies to Restoring Cross-Border Travel in APEC Post-COVID-19 (HWG 02 2022S)	31 Jul	N/A	N/A	N/A				
Web Conference on the Performance Assessment of Mental Health Rehabilitation to Combat the 4th wave of Covid-19 (HWG 04 2020A)	1-2 Jun	27	17	9 (7 APEC; 2 non-APEC)				
Workshop on Best Practices for Healthy and Active Ageing (HWG 05 2021A)	26-28 Jul	TBC	TBC	TBC				

<sup>6</sup> Concept Notes that have received in-principle BMC funding in 2022 Project Session #1 and #2

APEC Policy Dialogue on Smart Families: Comprehensive, Holistic Policy Options (HWG 06 2022S)	21 Aug	N/A	N/A	N/A
APEC Policy Dialogue on Cervical Cancer: Promoting Sustainable Economic Advancement for Women by Addressing Policy Barriers to Prevention, Control, and Elimination of HPV and Cervical Cancer (HWG 05 2022S)	21 Aug	N/A	N/A	N/A
International Workshops on Managing Emerging Infectious Diseases for Front-Line Healthcare Workers (HWG 09 2021A)	12-16 Sept	TBC	TBC	TBC
APEC Conference on Digital Healthcare Innovation- COVID-19 Response by Health Information Utilization (HWG 08 2020A)	21-22 Sept	TBC	TBC	TBC
APEC Workshop on Integrative Medicine (IM) and COVID-19 Care (HWG 13 2021A)	21-23 Sept	TBC	TBC	TBC
Forum on Mental Health Resiliency Among Healthcare Workers in the New Normal (HWG 04 2021A)	22 Nov	TBC	TBC	TBC

Communications 2022	
<b>Feature Stories/Blogs</b>	<ul style="list-style-type: none"> <li>• <a href="#">Strengthening Women's Health Policies for a more Inclusive Economy</a></li> </ul>
<b>Publications</b>	<ul style="list-style-type: none"> <li>• <a href="#">Empowering Telehealth Solutions in APEC: Study on the Policy Landscape for Telehealth in the APEC Region</a></li> <li>• <a href="#">Summary Report of APEC Economies' Digital Policy Measures to Combat COVID-19</a></li> <li>• <a href="#">Empowering People with Mental Disorders through Optimum Health Program: A New Approach to Mental Health in the Region</a></li> <li>• <a href="#">Workshop on Development of Economic Analysis due to Visual Impairment and Avoidable Blindness</a></li> <li>• <a href="#">Best Practices and Recommendations for APEC Collaboration on Cancer Control</a></li> </ul>
<b>Last Website Update</b>	September 2022
<b>Media/Outreach Opportunities</b>	<ul style="list-style-type: none"> <li>• 12<sup>th</sup> High Level Meeting on Health and the Economy (HLMHE12) press conference and news releases</li> </ul>

#### List of Projects in Implementation Phase (including LSIF project events transferred to HWG):

Project No.	Project Title
HWG 02 2020A	Webinar on Empowering People with Mental Disorders Through Optimum Health Programme: A New Approach to Mental Health in Region
HWG 04 2020A	Web Conference on the Performance Assessment of Mental Health Rehabilitation to Combat the 4th wave of Covid-19
HWG 06 2020A	Achieve One Planet from 4E: Eat, Exercise, Ecology, Economics
HWG 07 2020A	Workshop on Development of Economic Analysis due to Visual Impairment and (Avoidable) Blindness
HWG 08 2020A	APEC Conference on Digital Healthcare Innovation- COVID-19 Response by Health Information Utilization
HWG 04 2021A	Forum on Mental Health Resiliency Among Healthcare Workers in the New Normal
HWG 05 2021A	Workshop on Best Practices for Healthy and Active Ageing

HWG 09 2021A	International Workshops on Managing Emerging Infectious Diseases for Front-Line Healthcare Workers
HWG 13 2021A	APEC Workshop on Integrative Medicine (IM) and COVID-19 Care
HWG 02 2022S	APEC Policy Dialogue: Exploring Health Technologies to Restoring Cross-Border Travel in APEC Post-COVID-19
HWG 05 2022S	APEC Policy Dialogue on Cervical Cancer: Promoting Sustainable Economic Advancement for Women by Addressing Policy Barriers to Prevention, Control, and Elimination of HPV and Cervical Cancer
HWG 06 2022S	APEC Policy Dialogue on Smart Families: Comprehensive, Holistic Policy Options
LSIF 01 2021S	Webinar on Empowering Telehealth Solutions in the APEC Region: A Conversation
LSIF 02 2021S	Virtual Workshop (Thematic Session 4) on Cancer Control Policy: Accelerating Implementation of Cancer Control Programs in APEC Economies through

**List of Concept Notes that have received in-principle BMC funding in 2022 (Project Sessions #1 and #2):**

Proposed Economy	Project Title
<b>Project Session 1/2022</b>	
China	Capacity-Building and Awareness Project for In Vitro Diagnostics for COVID-19 Management
Viet Nam	Promoting APEC Cooperation in Maritime Healthcare
Indonesia	International Workshop on the Eradication and Elimination of Tuberculosis among Frontline Healthcare Workers
<b>Project Session 2/2022</b>	
China	Building a resilient public health system capacity for a stronger economic recovery from the COVID-19 pandemic
Chinese Taipei	Empowering the Next Generation - Investment in Preventable Infant Deaths by a Healthy Start
United States	Incentives to Bring New Antibiotics to APEC Markets
Chinese Taipei	Managing Infectious Diseases on Cross-Border Cruise Ships in the Post-COVID-19 Era: Application of Digital Technology
Thailand	Strengthening Emergency Medical Services (EMS) System for Safe and Resilient Responses in Disease Outbreaks

## Human Resources Development Working Group

<b>Name of SCE Sub-fora</b>				HRDWG				
<b>SCE-COW Participation in 2022</b>				Yes				
<b>Related Ministerial Meetings</b>				Nil				
<b>Year of Last Fora Assessment</b>				2021				
<b>Year Terms of Reference was Endorsed</b>				2021				
<b>Period of Strategic Plan</b>				2022-2025				
<b>2022 Meetings</b>				<b>APEC Projects in 2022</b>				
Date	Attendance			Quorum (Y/N)	Concept Notes	APEC Funded <sup>7</sup>	Self-Funded	Total Value (US\$)
	Persons by Gender		Economies					
	Women	Men						
9-12 May 2022	119 pax 55%	96 pax 45%	17 Economies (Except: HKC; MEX; PNG; SGP) CBN: 15 EDNET: 19 LPSN: 14	Y	25	11 (1 project withdrawn)	14	1,038,618
<b>2022 Events</b>				<b>APEC Projects in 2022</b>				
Name of Event				Date	Attendance		Economies	
					Women	Men		
HRD 03 2020A - APEC Symposium on Developing New Leadership Capabilities in Response to the Work Evolution in the Digital Age				15-16 Jun				
HRD 06 2020A - 2021 APEC Forum on Social Dialogue as a tool to address labour market challenges				1-2 Mar				
HRD 07 2020A - APEC School Leadership Program (ASLP): Cultivating School Leaders' Digital-Friendly Attitude, Catalysing for Closing the Educational Gap Deepened by COVID-19				Tentative in Nov				
HRD 08 2020A - APEC Digital Economy and Innovative Entrepreneurship Online Forum: Enhancing Inclusive Participation and Digital Upskilling for Youth				24-25 Mar	175/ 70%	75/ 30%	13	
HRD 02 2021A - Life-Long Learning and Skilling: Creating Onramps for Unemployed and Displaced Adults to Access Upskilling and Reskilling Opportunities				3, 17 & 31 May / 2&4 Aug				
HRD 03 2021A - Quality Assurance of Online Learning for APEC Higher Education Institutions				Modules 1&2: May-Jun Online Workshop 1: Jul Modules 3& 4: Jul – Sept.				

<sup>7</sup> Concept Notes that have received in-principle BMC funding in 2022 Project Session #1 and #2

	Module 5: Sept-Oct Online Workshop 2: Oct			
HRD 05 2021A - APEC Forum on Entrepreneurship for the Future of Work: Accelerating Regional Economic Recovery & Digital Inclusion for Women & Youth in the Post Pandemic Era	16-18 Nov			
HRD 06 2021A - ASD-CBA Project: Empowering the Health Workforce through Digital Upskilling	20 Sept virtual			

Communications 2022	
<b>Feature Stories/Blogs</b>	<ul style="list-style-type: none"> <li>• <a href="#">Enhance Human Capital through Education and Cooperation: Minister</a></li> </ul>
<b>Publications</b>	<ul style="list-style-type: none"> <li>• <a href="#">APEC Guiding Principles for Research Integrity</a></li> <li>• <a href="#">Training Package: Gender Power in Online Marketing</a></li> <li>• <a href="#">Training Package on Caregiver Digital Upskilling</a></li> <li>• <a href="#">APEC Digital Economy and Innovative Entrepreneurship Online Forum: Enhancing Inclusive Participation and Digital Upskilling for Youths</a></li> <li>• <a href="#">Social Dialogue as a Tool to Address Labour Market Challenges</a></li> <li>• <a href="#">APEC Symposium on Developing New Leadership Capabilities in Response to the Work Evolution in the Digital Age</a></li> </ul>
<b>Last Website Update</b>	February 2022
<b>Media/Outreach Opportunities</b>	Nil

#### List of Projects in Implementation Phase:

Project No.	Project Title
HRD 03 2020A	APEC Symposium on Developing New Leadership Capabilities in Response to the Work Evolution in the Digital Age
HRD 06 2020A	2021 APEC Forum on Social Dialogue as a Tool to Address Labour Market Challenges
HRD 07 2020A	APEC School Leadership Program (ASLP): Cultivating School Leaders' Digital-Friendly Attitude, Catalysing for Closing the Educational Gap Deepened by COVID-19
HRD 08 2020A	APEC Digital Economy and Innovative Entrepreneurship Online Forum: Enhancing Inclusive Participation and Digital Upskilling for Youths
HRD 02 2021A	Life-Long Learning and Skilling: Creating Onramps for Unemployed and Displaced Adults to Access Upskilling and Reskilling Opportunities
HRD 03 2021A	Quality Assurance of Online Learning for APEC Higher Education Institutions
HRD 05 2021A	APEC Forum on Entrepreneurship for the Future of Work: Accelerating Regional Economic Recovery and Digital Inclusion for Women and Youth in the Post Pandemic Era
HRD 06 2021A	ASD-CBA Project: Empowering the Health Workforce through Digital Upskilling
HRD 02 2021S	Top Performing Schools in Asia-Pacific Region: Curriculum, Teacher and Assessment - Raising the Bar and Narrowing the Gap
HRD 03 2021S	Gauging Demand and Supply of Technical and Vocational Education and Resolving Skill Mismatch
HRD 04 2021S	University Admission in Asia Pacific Region: Processes, Policies and Strategies
HRD 01 2022S	APEC-Australia Women in Research Fellowship
HRD 02 2022S	Addressing Skill Needs through Online Micro-Credentials in Higher Education

HRD 03 2022S	Exploring Ways to Enhance the Cross-Border Development of Skilled Professionals across the APEC Region
HRD 04 2022S	2022 APEC e-Learning Training (AeLT) Program
HRD 05 2022S	2022 APEC Sport Technology Innovation Development Program
HRD 06 2022S	Success Models of Sustainable Tourism: Accessibility, Mobility, Connectivity and Intelligent Public Transport Systems in the Post-Pandemic Era
HRD 07 2022S	APEC Embracing Carers Policy Toolkit to Address the Unpaid Care Gap
HRD 08 2022S	APEC Learning Community for Shared Prosperity (ALCom) Phase 2: Ensuring Education Continuity utilising Digital Technology in the APEC Member Economies
HRD 09 2022S	Accelerating Innovation and Education Development: Regional Mobility, Digital Talent Cultivation and Collaborative Connectivity in Post-Pandemic Era
HRD 10 2022S	Women's Economic Empowering, New Media Digital Upskilling (WEDU): Paving the Future of Digital Marketing Talent with Gender Lens
HRD 11 2022S	11th APEC Conference on Cooperation in Higher Education in Asia-Pacific Region "Global Education in the Age of Turbulence" (APEC CCHE 2022)
HRD 12 2022S	APEC Entrepreneurship Education Program (AEEP) 2022
HRD 13 2022S	The Utilisation of Digital Technology to Advance Occupational Safety and Health in the Digital Age
HRD 14 2022S	Online Workshops for Lesson Study 2.0 Artificial Intelligence (AI) and Data Science for Education in APEC Economies

**List of Concept Notes that have received in-principle BMC funding in 2022 (Project Sessions #1 and #2):**

Proposed Economy	Project Title
<b>Project Session 1/2022</b>	
Chile	Ensuring Educational Equity for all at APEC Economies through Programming and Computational Thinking
Malaysia	An Applied Work-Integrated Human Capital Development for Empowering and Developing Competencies in Promoting Youth Employment
China	Promote Employment and Economic Recovery by Training of Online Entrepreneurship and MSMEs Digitalisation
Chinese Taipei	Digital and Inclusive Talents Cultivation and Technology (AI)-enabled Collaboration: TVET's Integrative Models of Skills and Trainings
China	Promoting Green Jobs for a Resilient Economic Recovery from COVID-19
China	Fostering Digital Competency, Building Re-Employment Capacity and Enhancing Well-being for Older Adults in the Digital Economy
<b>Project Session 2/2022</b>	
China	Challenges, Opportunities and Trends of Digitalisation of Education in Post-Pandemic Era
Chinese Taipei	APEC Youth Impact Forum: Promoting Local Sustainability and Inclusive Growth to Enhance Post-Pandemic Regional Resilience and Innovation
USA	2023 APEC Closing the Digital Skills Gap Initiative: Promoting an Inclusive Digitally Skilled Workforce for Sustainable Growth among APEC Economies
Malaysia	APEC Sustainability and Environmental Education for Post Disaster
USA	APEC Education Officials Dialogue: Schools as Community Hubs
USA	A Voice for Everybody: Online Tools to Improve Workplace Collaboration and Employee Engagement

## Ocean and Fisheries Working Group

<b>Name of SCE Sub-fora</b>				<b>OFWG</b>				
<b>SCE-COW Participation in 2022</b>				<b>Yes</b>				
<b>Related Ministerial Meetings</b>				<b>No</b>				
<b>Year of Last Fora Assessment</b>				<b>2021</b>				
<b>Year Terms of Reference was Endorsed</b>				<b>2021</b>				
<b>Period of Strategic Plan</b>				<b>2021-2023</b>				
<b>2022 Meetings</b>				<b>APEC Projects in 2022</b>				
Date	Attendance			Quorum (Y/N)	Concept Notes	APEC Funded <sup>8</sup>	Self-Funded	Total Value (US\$)
	Persons by Gender		Economies					
	Women	Men						
14-15 Feb	42/49%	44/51%	20 Except: BD/ 86 participants	Y	8	6	2	e923,987
17-18 Aug	48/52%	44/48%	21/93 participants	Y				
<b>2022 Events</b>				<b>APEC Projects in 2022</b>				
Name of Event				Date	Attendance			Economies
					Persons by Gender			
					Women	Men		
Workshop on Capacity Building on Marine Debris Monitoring by Using Innovative Technologies in APEC Region				24-25 Mar				
APEC Seminar on Promoting Circular Economy and Sustainable Materials Management to effectively address marine plastic litter in the Asia-Pacific				26-27 Apr				
Workshop on the Best Practices to Prevent and Reduce Abandoned, Lost, and Discarded Fishing Gear				17-19 May				
Workshop on Guide on Valuing Fishery By-Products: Promotion of Sustainable Artisan Activities and Women Empowerment				8-9 Jun	31/58%	22/42%	9	
Workshop on Developing an APEC Marine Debris Monitoring Decision Framework				22 Jun				
The 21st APEC Roundtable Meeting on the Involvement of the Business/Private Sector in the Sustainability of the Marine Environment				20-21 Jul				
Virtual symposium Promoting labor intensive separate Waste collection and Utilization in the APEC Economies				26-27 Jul				

### Communications 2022

**Feature Stories/Blogs** None

**Publications** • [Project Report: APEC Sustainable Coastal Cities Symposium 2021](#)

<sup>8</sup> Concept Notes that have received in-principle BMC funding in 2022 Project Session #1 and #2

	<ul style="list-style-type: none"> <li>• <a href="#">“Best Practices and Recommended Policies for Optimising the Plastic Supply Chain in Southeast and East Asia”</a></li> <li>• <a href="#">“APEC Seminar on Promoting Circular Economy and Sustainable Materials Management to Effectively Address Marine Plastic Litter in the Asia-Pacific Region”</a></li> <li>• <a href="#">“Workshop on Nanoplastics in Marine Debris in the APEC Region”</a></li> </ul>
<b>Last Website Update</b>	September 2022
<b>Media/Outreach Opportunities</b>	N/A

#### List of Projects in Implementation Phase:

Project No.	Project Title
OFWG 02 2020	Phase II: Guide on Valuing Fishery by-products: Promotion of Sustainable Artisan Activities and Women Empowerment (Chile)
OFWG 03 2020A	Development of a Marine Debris Monitoring Decision Framework for APEC Economies (US)
OFWG 04 2020A	APEC Seminar on Promoting Circular Economy and Sustainable Materials Management to Effectively Address Marine Plastic Litter in the Asia-Pacific Region (Viet Nam)
OFWG 05 2020A	Developing an APEC Best Practices Framework to Address Abandoned, Lost or Discarded Fishing Gear (US)
OFWG 07 2020A	Nanoplastics in Marine Debris in the APEC Region – Regional Workshop (US)
OFWG 08 2020A	Enhancing Collection and Segregation of Waste to Reduce Marine Litter in the APEC Economies (US)
OFWG 09 2020A	Capacity Building on Marine Debris Monitoring by Using Innovative Technologies in APEC Region (Chinese Taipei)
OFWG 02 2021A	Review of traceability systems applied to the value chain of fisheries and aquaculture in APEC economies (Chile)
OFWG 03 2021A	Determining Microplastics Distribution in Coastal Aquaculture Input System and Developing its Mitigation Plan towards Seafood Safety (Indonesia)
OFWG 04 2021A	Capacity Building on Marine Debris Management and Monitoring from Source as River is the Major Transport Pathway (Malaysia)
OFWG 05 2021	Study and workshop on capacity building for improvement of economic reactivation in sustainable aquaculture (Peru)
OFWG 06 2021A	Promoting Women's Role in Ocean Science towards Sustainable and Inclusive Ocean Governance (Chinese Taipei)
OFWG 07 2021A	Good Practices for Traceability Mechanism of Marine Debris Recycled Products in the APEC Region (Chinese Taipei)
OFWG 08 2021A	Capacity Building on Vessel Innovation to Combat Marine Debris (Indonesia)
OFWG 01 2022S	Knowledge Sharing for Coastal Resilience in the Asia Pacific region (US)
OFWG 02 2022S	The 21st APEC Roundtable Meeting on the Involvement of the Business/Private Sector in the Sustainability of the Marine Environment (Chinese Taipei)

**List of Concept Notes that have received in-principle BMC funding in 2022 (Project Sessions #1 and #2):**

Proposed Economy	Project Title
<b>Project Session 1/2022</b>	
Indonesia	Workshop for Fisheries Enforcement Strategies to Prevent, Combat and Deter IUU Fishing Related to Covid-19
Indonesia	Workshop on Promoting Bioplastic Materials to Reduce Marine Plastic Litter in the Asia Pacific Region
Thailand	Sharing Knowledge and Experiences on Small-Scale Marine Fisheries Data Collection and Management for Sustainable Development in the APEC region
Thailand	Technical Workshop on Marine Debris Management in Marine Ecosystem
<b>Project Session 2/2022</b>	
Thailand	Sharing experience on the import and export control and traceability measures and practices of tuna and tuna products in the APEC region
China	Capacity Building for Blue Citizen in the APEC Region

## Policy Partnership for Science, Technology and Innovation

<b>Name of SCE Sub-fora</b>				PPSTI				
<b>SCE-COW Participation in 2022</b>				Yes				
<b>Related Ministerial Meetings</b>				Nil				
<b>Year of Last Fora Assessment</b>				2020				
<b>Year Terms of Reference was Endorsed</b>				2021				
<b>Period of Strategic Plan</b>				2016-2025				
<b>2022 Meetings</b>				<b>APEC Projects in 2022</b>				
Date	Attendance			Quorum (Y/N)	Concept Notes	APEC Funded <sup>9</sup>	Self-Funded	Total Value (US\$)
	Persons by Gender		Economies					
	Women	Men						
16-17 Feb	58/58%	42/42%	18 (Except BD, NZ, PNG)	Y	18	11	7	1,294,554
21-22 Aug	45/45%	56/55%	19 (Except BD, MEX)	Y				
<b>2022 Events</b>				<b>APEC Projects in 2022</b>				
Name of Event				Date	Attendance			
					Persons by Gender		Economies	
					Women	Men		
Realizing Bio-Circular-Green Economy: Promoting Circular Economy through Technology, Innovation, and Business Models Seminar				16 Feb	58/58%	42/42%	18	
Seminar: "Open, Connect, Balance: Embracing Inclusive STI Leadership amongst Emerging Researchers in the APEC Region"				16 Feb	58/58%	42/42%	18	
APEC Webinar on Digital Manufacturing for Supply Chain Resilience: Online Policy Workshop for Supply Chain Resilient Capacity Development				22 Feb	19/61%	12/39%	8	
Workshop on "Climate-Smart Agriculture by Using Geospatial Data and Earth Science Technology"				14– 17 Mar	30/53%	27/47%	7	
Industry 4.0: Enabling Technologies and Inclusive Digitization for Post-COVID-19 Economic Recovery in APEC Value Chains				16– 17 Mar	171/37 %	297/63%	13	
Workshop on Policy and Innovation for Nuclear Science and Technology				21– 22 Apr				
Leverage Digital Twin Technology to Enhance Supply Chain Productivity for Resilient Economy: Online Consultation and Case Study Forum				30 Jun	17/46%	20/54%	10	
Workshop on APEC STI Think Tanks				18 Jul	19/56%	15/44%	9	
International Workshop on Development of Ornamental Plant and Flower Clusters for Sustainable Careers and Competitiveness of SMEs in APEC				19– 20 Jul				

<sup>9</sup> Concept Notes that have received in-principle BMC funding in 2022 Project Session #1 and #2

Workshop on Circular Economy Technology Foresight	22 Jul			
APEC Public-Private Dialogue on Challenges, Opportunities, and Digitally-enabled Recovery in the Post-COVID Era	23 Aug			
APEC Webinar 'Municipal Solid Waste Management by Circular Economy Concept'	07 Sept			
Conference on Science and Technology Parks: Possible Catalysts in Promoting Enabling Environment for Innovation	13– 14 Sept			
APEC Climate Symposium 2022: Enhancing APEC Resilience through AI Applications in Climate Change Adaptation	15– 16 Sept			
Green Synergy Solutions for Sustainable Community on Agriculture Residue-Based Energy and Circular Economy	15– 17 Sept			

Communications 2022	
Feature Stories/Blogs	Nil
Publications	<ul style="list-style-type: none"> <li>• <a href="#">Integrated Water Resources Management (IWRM): Best Practices, Norms and their Implementation within the APEC Region</a></li> <li>• <a href="#">Policy Recommendation on Improving Supply Chain Performance with Digital Manufacturing Technology amid Pandemic Crisis</a></li> <li>• <a href="#">Final Report on Capacity Building for Digital Innovation Using Blockchain Technology</a></li> <li>• <a href="#">Industry 4.0: Enabling Technologies and Inclusive Digitization for Post-COVID-19 Economic Recovery in APEC Value Chains</a></li> <li>• <a href="#">APEC Capacity Building Workshop on Climate-Smart Agriculture by Using Geospatial Data and Earth Science Technology</a></li> </ul>
Last Website Update	Feb 2022
Media/Outreach Opportunities	Press Statement on the 2022 ASPIRE Award

#### List of Projects in Implementation Phase:

Project No.	Project Title
PPSTI 01 2021	Digital Innovation and Educational Opportunities
PPSTI 01 2022S	APEC Technological Solutions for Monitoring GHG Emissions
PPSTI 02 2021A	APEC Conference on Science and Technology Parks: Possible Catalysts in Promoting Enabling Environment for Innovation
PPSTI 02 2022S	Realising Bio-Circular-Green Economy: Promoting Circular Economy through Technology, Innovation, and Business Models Seminar
PPSTI 03 2020	Industry 4.0: Enabling Technologies and Inclusive Digitisation for Post-COVID-19 Economic Recovery in APEC Value Chains
PPSTI 03 2020S	Inclusive Science Leadership Program for Early- and Mid-Career Researchers in APEC
PPSTI 03 2021A	Leverage Digital Twin Technology to Enhance Supply Chain Productivity for Resilient Economy
PPSTI 04 2022S	Municipal Solid Waste Management according to BCG Principles towards Sustainable Development Goals
PPSTI 05 2020A	Capacity Building on Climate-Smart Agriculture by Using Geospatial Data and Earth Science Technology
PPSTI 05 2021	Strengthening APEC Think Tank Cooperation on STI Strategy to Enhance Recovery Featured with Innovation, Inclusion and Sustainability

PPSTI 05 2022A	APEC Climate Symposium 2022 - Enhancing APEC Resilience through AI Applications in Climate Change Adaptation
PPSTI 05 2022S	Development of Ornamental Plant and Flower Clusters for Sustainable Careers and Competitiveness of SMEs in APEC
PPSTI 06 2020A	Policy Recommendation on Improving Supply Chain Performance with Digital Manufacturing Technology amid Pandemic Crisis
PPSTI 06 2021A	Green Synergy Solutions for Sustainable Community on Agriculture Residue-Based Energy and Circular Economy
PPSTI 06 2022S	2022 APEC Research Center for Typhoon and Society (ACTS) Annual Meeting
PPSTI 07 2020A	Online Learning and STI Exchange to Enhance International Trade for MSMEs in Environmental Goods and Services (EGS) Sector
PPSTI 07 2021A	APEC Public-Private Dialogue on Challenges, Opportunities, and Digitally-Enabled Recovery in the Post-COVID Era
PPSTI 07 2022S	APEC Women in STEM: Metrics Framework
PPSTI 08 2021A	Workshop on Catalysing Quality STI Demand Raised by Demand-side of Technology Commercialisation
PPSTI 09 2019A	Capacity Building for Digital Innovation using Block-Chain Technology
PPSTI 09 2021A	Application of Artificial Intelligence to Accelerate the Mitigation of COVID-19 Pandemic

**List of Concept Notes that have received in-principle BMC funding in 2022 (Project Sessions #1 and #2):**

Proposed Economy	Project Title
<b>Project Session 1/2022</b>	
Thailand	Accelerating Industry 4.0 Technology Adoption in Manufacturing Sectors through STI Partnerships among Smart Manufacturing Research and Innovation Centers
Malaysia	Paving the Way for Green Hydrogen in Advancing Circular Economy: Stakeholder Management for Capacity Building and Strategic Communications for Advocacy
Malaysia	Promoting Circular Economy in the Construction Industry within APEC Region using Industrial Symbiosis Approach
Malaysia	APEC Conference on World-Class Circular Economy Industrial Parks: Best Practices, Challenges, Opportunities, Training and Collaboration
Korea	APEC Climate Symposium 2022 - Enhancing APEC Resilience through AI Applications in Climate Change Adaptation
Chinese Taipei	Capacity Building on Supply Chain Connectivity with Cloud-based Manufacturing Solutions
China	Advancing APEC Balanced and Sustainable Economy: Study on Innovation City and Regional STI-driven Development Assessment
Thailand & China	APEC Biology-Circular-Green (BCG) Startups Regional Program on Sustainable Growth
Chinese Taipei	Driving the Digital Transformation and Capacity Building of Remote Healthcare Systems: Best Practices within the APEC Region
<b>Project Session 2/2022</b>	
China	The Innovating for Public Urban Technology Transformation (INPUT2) Competition
Thailand	High Performance Computing Infrastructure Management Ecosystem Model for Sustainable APEC Science and Technology Development

## Policy Partnership on Women and the Economy (PPWE)

Name of SCE Sub-fora				PPWE				
SCE-COW Participation in 2022				Yes				
Related Ministerial Meetings				High Level Policy Dialogue on Women and the Economy Forum- 2011-2022				
Year of Last Fora Assessment				2021				
Year Terms of Reference was Endorsed				2021				
Period of Strategic Plan				2019-2021				
2022 Meetings				APEC Projects in 2022				
Date	Attendance			Quorum (Y/N)	Concept Notes	APEC Funded <sup>10</sup>	Self-Funded	Total Value (US\$)
	Persons by Gender		Economies					
	Women	Men						
15-16 Jun	115/84%	22/16%	18 (Except-HKC; MEX; PNG)	Y	6	3	3	612,150
16-18 Aug	45/64%	25/36%	19 (Except-HKC; PNG)	Y				
07 Sept	104/74%	37/26%	20 (Except-HKC)	Y				
2022 Events				APEC Projects in 2022				
Name of Event				Date	Attendance			
					Persons by Gender		Economies	
APEC Healthy Women, Healthy Economies Policy Dialogue and Research Prize (HWHE) (virtual / announcement at the event of WEF meeting)				07 Sept	Women	Men		

Communications 2022	
Feature Stories/Blogs	NA
Publications	<ul style="list-style-type: none"> <li>• <a href="#">Strengthening Women's Empowerment and Leadership through Digital Economy in Boosting Economic Growth</a></li> <li>• <a href="#">Women's Leadership in the Digital Era: Agility, Adaptability and Fluency</a></li> <li>• <a href="#">Healthy Women, Healthy Economies – COVID-19 and Gender: What's at Stake If We Don't Build Back More Inclusive and Invest in Women</a></li> <li>• <a href="#">The Principles on Women Builders Creating Inclusive Future</a></li> <li>• <a href="#">APEC Women Builders Creating Inclusive Future</a></li> <li>• <a href="#">Empowering Change: APEC's Web-based Gender Analysis Tool</a></li> <li>• <a href="#">APEC Capacity Building Workshop on Restructuring Women-Led SMEs in Textile and Garment Industry in the New Era</a></li> <li>• <a href="#">The Future of Women at Work: Empowering Women's Role in the Transition Era of Automation</a></li> </ul>

<sup>10</sup> Concept Notes that have received in-principle BMC funding in 2022 Project Session #1 and #2

	<ul style="list-style-type: none"> <li>• <a href="#">Individual Action Plan for the Enhancement of the Ratio of Women's Representation in Leadership: Final Review Study and Online Workshop</a></li> <li>• <a href="#">The Untapped Economic Potential of Including Women in the Digital Economy in the APEC Region</a></li> </ul>
<b>Last Website Update</b>	October 2022
<b>Media/Outreach Opportunities</b>	<ul style="list-style-type: none"> <li>• <a href="#">Chair's Statement of the 2022 APEC Women and the Economy Forum</a></li> <li>• <a href="#">Minister Chuti Krairiksh's Statement on the 2022 APEC Women and the Economy Forum</a></li> <li>• <a href="#">Minister: Women's Economic Empowerment Boosts Sustainability</a></li> <li>• <a href="#">Research Addressing Postnatal Depression Wins APEC Healthy Women Prize</a></li> </ul>

#### List of Projects in Implementation Phase:

Project No.	Project Title
<b>PPWE 01 2019A</b>	APEC Capacity Building on Restructuring Women-led MSME's in Textile Garment (T&G) Industry in the New Era (Viet Nam)
<b>PPWE 05 2020A</b>	Effects of Policies Promoting the Work-Life Balance in the Development of Women who lead MSMEs, in the Context of the Post-COVID-19 Economic Recovery (Peru)
<b>PPWE 06 2020</b>	COVID-19 Indigenous and Diverse Women-led MSME Responses (New Zealand)
<b>PPWE 07 2020</b>	The untapped economic potential of including women in the digital economy in the APEC region (Chile)
<b>PPWE 01 2021</b>	Promoting Gender Equality in the Telecommunication Industry for the Inclusive Recovery (Chinese Taipei)
<b>Self-Funded Project</b>	APEC Healthy Women, Healthy Economies Policy Dialogue and Research Prize (HWHE), (Chile)
<b>PPWE 01 2022S</b>	Empowering Women by Gender Health Technology 'FemTech' (Japan)
<b>Self-Funded Project</b>	Enhancing Women's Leadership Role in Digital Economy to achieve Sustainable Growth (China)

#### List of Concept Notes that have received in-principle BMC funding in 2022 (Project Sessions #1 and #2):

Proposed Economy	Project Title
<b>Project Session 1/2022</b>	
Malaysia	APEC Women Empowerment through Cybercrime-Free Workshop for Secure Online Trading in the 4th Industrial Revolution
Viet Nam	Economic Empowerment for Women Through Climate Change Mitigation and Adaptation
<b>Project Session 2/2022</b>	
The Philippines	Advancing Women in Tech through the Digital Platform Economy

## Small and Medium Enterprises Working Group (SMEWG)

<b>Name of SCE Sub-fora</b>					SMEWG			
<b>SCE-COW Participation in 2022</b>					YES			
<b>Related Ministerial Meetings</b>					SMEMM – 1994-2017, 2019-2022			
<b>Year of Last Fora Assessment</b>					2021			
<b>Year Terms of Reference was Endorsed</b>					2020			
<b>Period of Strategic Plan</b>					2021-2024			
<b>2022 Meetings</b>					<b>APEC Projects in 2022</b>			
Date	Attendance			Quorum (Y/N)	Concept Notes	APEC Funded <sup>11</sup>	Self-Funded	Total Value (US\$)
	Persons by Gender		Economies					
	Women	Men						
26-27 Apr	75(No disaggregated data)		20 (Except PNG)	Y	10	10	6	2,308,404
07-08 Sept	43/52%	39/48%	20 (Except PNG)	Y				
<b>2022 Events</b>					<b>APEC Projects in 2022</b>			
Name of Event					Date	Attendance		
						Persons by Gender		Economies
						Women	Men	
Forum on Enhancing Green MSMEs' Competitiveness for a Sustainable and Inclusive Asia-Pacific Phase II – Food Sector Waste Reduction in Food Supply Chain					13-14 Jan			
APEC Conference on Public Policy, Fintech and SMEs: Recommendations for Promoting a New Financing Ecosystem					09 Mar			
APEC Webinar on Relieving MSMEs' Financial Difficulties in the Next Normal: Access to Finance and Credit Mediation					24 Mar			
Multi-Stakeholder Dialogue on Addressing Impediments for MSMEs' Integration into Global Value Chains in Agriculture and Food Sector					29-30 Mar	74/54%	62/46%	11
Workshop on Promoting Social Enterprises for Inclusive Growth					31 Mar – 01 Apr			
Workshop on Facilitating MSMEs into Sustainable Players for the Economic Recovery: The Case of MSMEs in the Aerospace Industry.					22 Jun	124/57%	94/43%	3
Forum on Promoting Low-Carbon-Driven Industrial Ecosystem for Smart Green Economy					23 Jan	45/ 48%	48/52%	9
Workshop on Digital Innovation to Enable SMEs' Green Development					TBD			
Forum New Paradigm - Revitalise Sustainable Business through Digital Resilience					05-06 Jul			

<sup>11</sup> Concept Notes that have received in-principle BMC funding in 2022 Project Session #1 and #2

2022 APEC SME Seminar on Promoting "Specialised and Innovative" Development	02 Sept	43/39%	67/61%	15
Workshop on Accelerating Bio-Circular-Green (BCG) Adoption among APEC MSMEs	05 Sept			
Workshop on Ready for the 'Next Normal': How MSMEs should adapt to an evolving market landscape	05-06 Sept			
APEC Business Ethics for SMEs Forum	12-13 Sept			
What Comes After Digital Transformation? Measuring the Effectiveness of Public Policy and Identifying Trends for the Post-Digital Era (Lesson from APEC Economies)	27 Oct			
APEC Workshop – From Platforms to Payments: Promoting Growth and Innovation for Women Entrepreneurs through E-Commerce	9 Nov			
Workshop on Inclusive Business: Charting the Path for Shared Prosperity through Inclusivity	29-30 Nov			
The 11th APEC SME Technology Conference and Fair (APEC SMETC)	31 Mar. – 01 Apr.	NA	NA	15
2021 APEC SME Digital Economy Development Conference	30 Jun.	NA	NA	NA
2021 APEC SME Business Forum	29 Nov. - 1 Dec.	NA	NA	NA

Communications 2022	
<b>Feature Stories/Blogs</b>	-
<b>Publications</b>	<ul style="list-style-type: none"> <li>• <a href="#">APEC Cross-Domain Innovation Ecosystem Guidebook: A New Growth Path for SMEs through Digital Platforms</a></li> <li>• <a href="#">APEC Workshop on Promoting Social Enterprises for Inclusive Growth</a></li> <li>• <a href="#">Multi-Stakeholder Dialogue on Addressing Impediments for MSMEs' Integration into Global Value Chains in Agriculture and Food Sector</a></li> <li>• <a href="#">Public Policy, FinTech and SMEs: Recommendations for Promoting a New Financing Ecosystem</a></li> <li>• Handbook on Enhancing Green MSMEs' Competitiveness for a Sustainable and Inclusive Asia-Pacific Phase II – Food Sector Waste Reduction in Food Supply Chain</li> </ul>
<b>Last Website Update</b>	25/08/2022
<b>Media/Outreach Opportunities</b>	<ul style="list-style-type: none"> <li>• <a href="#">APEC Boosts SMEs' Competitiveness through Health Ethics Pacts</a></li> <li>• <a href="#">Ministers Aim for Recovery, Resilience for Asia-Pacific's Small Business</a></li> <li>• <a href="#">Deputy Prime Minister Supattanapong Punmeechaow's Statement on the APEC Small and Medium Enterprises Ministerial Meeting</a></li> <li>• <a href="#">Chair's Statement of the 28th APEC Small and Medium Enterprises Ministerial Meeting</a></li> </ul>

#### List of Projects in Implementation Phase:

Project No.	Project Title
SME 09 2019A	Public Policy, Fintech and SMEs: Recommendations for Promoting a New Financing Ecosystem
SME 10 2019A	Multi-Stakeholder Dialogue on Addressing Impediments for MSMEs' Integration into Global Value Chains in Agriculture and Food Sector
SME 14 2019A	From Platforms to Payments: Promoting Growth and Innovation for Women Entrepreneurs through E-Commerce

SME 05 2020	APEC Workshop on Promoting Social Enterprises for Inclusive Growth
SME 08 2020A	What comes after SME Digital Transformation? - Measuring Effectiveness of Public Policy and Identifying Trends for the Post-Digital Era
SME 09 2020A	APEC Workshop on Inclusive Business: Charting the Path for Shared Prosperity through Inclusivity
SME 01 2021	Ready for the 'Next Normal': How MSMEs should Adapt to an Evolving Market Landscape
SME 02 2021A	2022 APEC SME Forum on Promoting Low-Carbon-Driven Industrial Ecosystem for Smart Green Economy
SME 03 2021A	APEC SME Innovation Forum with ESG (Environmental, Social and Governance) Business Strategy - An Opportunity and Sustainability in Post COVID-19 Era
SME 05 2021A	2022 APEC Business Ethics for SMEs Initiative: A Vision for Healthy Businesses and Healthy People
SME 06 2021A	Digital Transformation to Create New Business Opportunities, Opening to New Markets in MSEs and Cooperatives with a Gender Focus, in Response to the Economic Crisis caused by COVID-19
SME 07 2021A	APEC SMEs New Paradigm - Revitalise Sustainable Business through Digital Resilience
SME 02 2022A	2023 APEC Forum on Improving Workplace Safety and Mental Health Management for SMEs Harnessing Digital Technology in the Context of COVID-19
SME 08 2019S	The 11th APEC SME Technology Conference and Fair (APEC SMETC)
SME 02 2020S	Enhancing Green MSMEs' Competitiveness for a Sustainable and Inclusive Asia-Pacific Phase II – Food Sector Waste Reduction in Food Supply Chain
SME 02 2021S	2021 APEC SME Digital Economy Development Conference
SME 08 2021S	2021 APEC SME Business Forum
SME 09 2021S	APEC Cross-Domain Innovation Ecosystem Initiative: Facilitate the Inclusive Growth of SMEs through the Digital Platform Across the APEC Region
SME 10 2021S	Workshop on Digital Innovation to Enable SMEs' Green Development
SME 11 2021S	Using Social to Go Global: Maximising Digitally-Enabled Trade for Indigenous Communities
SME 02 2022S	2022 APEC SME Seminar on Promoting "Specialised and Innovative" Development
SME 03 2022S	Growing Indigenous Businesses in APEC through Trade Phase II
SME 04 2022S	Accelerating Bio-Circular-Green (BCG) Adoption among APEC MSMEs
SME 06 2022S	Supporting Women Entrepreneurs in Accessing E-Commerce Opportunities

**List of Concept Notes that have received in-principle BMC funding in 2022 (Project Sessions #1 and #2):**

Proposed Economy	Project Title
<b>Project Session 1/2022</b>	
Republic of Korea	2023 APEC Forum on Improving Workplace Safety and Mental Health Management for SMEs harnessing digital technology in the context of COVID-19
Chinese Taipei	APEC Digital Innovation to Facilitate SMEs' Green Transformation
United States	2023 APEC Business Ethics for SMEs Forum: Collective Action to Realize Vision 2025 and Support SME Growth
Viet Nam	APEC Workshop on SME's Participation in the Global Value Chains during and post Covid-19 Pandemic
<b>Project Session 2/2022</b>	
Chile	International Circular Economy Summit: Needs Assessment and Capacity Building
Republic of Korea	2023 APEC Forum on Promoting Innovation for Women-led Entrepreneurship
Peru	Study and workshop to understand the role of digital connectivity in the formalization process of informal businesses in the Asia-Pacific region.
Peru	Building a Fintech ecosystem for the recovery of the MSME sector
Peru	E-commerce status analysis to identify best practices, digital skills development and strategies that promote e-commerce in MSMEs in APEC economies

Viet Nam	APEC Workshop on Eco Design and Eco Label Implementation for SMEs towards a Green Economy
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## Telecommunications and Information Working Group

Name of SCE Sub-fora					TELWG			
SCE-COW Participation in 2022					Yes			
Related Ministerial Meetings					TELMIN – 1995, 1996, 1998, 2000, 2002, 2005, 2008, 2010, 2012, 2015			
Year of Last Fora Assessment					2017			
Year Terms of Reference was Endorsed					2021			
Period of Strategic Plan					2021-2025			
2022 Meetings					APEC Projects in 2022			
Date	Attendance			Quorum (Y/N)	Concept Notes	APEC Funded <sup>12</sup>	Self-Funded	Total Value (US\$)
	Persons by Gender		Economies					
	Women	Men						
9-14 May	42 (51%)	40 (49%)	21	Y	2	0	2	200,000
25-29 Oct	-	-	-	-				
2022 Events					APEC Projects in 2022			
Name of Event					Date	Attendance		
						Persons by Gender		Economies
						Women	Men	
Workshop on ICT Skills Framework (TEL 02 2019S)					29 Nov	-	-	-
Workshop to Learn on Artificial Intelligence (AI) Experiences of the APEC Economies (TEL 01 2020A)					6-9 Dec	24 (40%)	35 (60%)	12
Workshop on Driving the Digital Transformation and Capacity Building for APEC Indigenous Peoples through i-Tribe Free Outdoor WiFi (TEL 03 2021S)					19 Jan	-	-	14
Workshop on Telemedicine in the Asia-Pacific Region (TEL 02 2020A)					30 Mar	-	-	16
Going Digital to Build Resilience and Sustainable Growth in Response to COVID-19 (TEL 04 2021S)					14 Apr	-	-	10
TEL64 ICT Roundtable “Towards the NEXT Normal: The Future of Digital Workforce”					10 May	-	-	-
TEL64 Industry Roundtable “Enhancing Trust and Security for APEC Digital Economy Prosperity”					10 May	-	-	-
TEL64 Regulatory Roundtable “Sharing the Emerging Telecommunication Technology Experiences to Unlock the Future of Digital Society”					10 May	-	-	-

<sup>12</sup> Concept Notes that have received in-principle BMC funding in 2022 Project Session #1 and #2

Communications 2022	
Feature Stories/Blogs	-
Publications	<ul style="list-style-type: none"> <li>• <a href="#">Learning workshop in Artificial Intelligence. Experiences of APEC Economies</a></li> <li>• <a href="#">Public-Private Dialogue on Status, Trends, Opportunities and Threats of Social Networks</a></li> <li>• <a href="#">Facilitating Innovation and Diversity in Next Generation (5G) Network Ecosystems</a></li> </ul>
Last Website Update	September 2022
Media/Outreach Opportunities	-

**List of Projects in Implementation Phase:**

Project No.	Project Title
TEL 02 2019S	ICT Skills Framework Project
TEL 01 2020A	Learning workshop in Artificial Intelligence: Experiences of APEC Economies
TEL 02 2020A	Workshop on Telemedicine in the Asia-Pacific Region
TEL 03 2021S	Workshop on Driving the Digital Transformation and Capacity Building for APEC Indigenous Peoples through i-Tribe Free Outdoor WiFi
TEL 04 2021S	Going Digital to Build Resilience and Sustainable Growth in Response to COVID-19

**List of Concept Notes that have received in-principle BMC funding in 2022 (Project Sessions #1 and #2):**

Proposed Economy	Project Title
<b>Project Session 1/2022</b>	
NIL	
<b>Project Session 2/2022</b>	
NIL	

## Tourism Working Group

<b>Name of SCE Sub-fora</b>					<b>TWG</b>			
<b>SCE-COW Participation in 2022</b>					<b>Yes</b>			
<b>Related Ministerial Meetings</b>					<b>TMM- 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2022</b>			
<b>Year of Last Fora Assessment</b>					<b>2021</b>			
<b>Year Terms of Reference was Endorsed</b>					<b>2021</b>			
<b>Period of Strategic Plan</b>					<b>2020-2024</b>			
<b>2022 Meetings</b>					<b>APEC Projects in 2022</b>			
Date	Attendance			Quorum (Y/N)	Concept Notes	APEC Funded <sup>13</sup>	Self-Funded	Total Value (US\$)
	Persons by Gender		Economies					
	Women	Men						
26 Apr	62%	38%	16	Y	3	6	2	721,043
16-17 Aug	55%	45%	21	Y				
<b>2022 Events</b>					<b>APEC Projects in 2022</b>			
Name of Event					Date	Attendance		
						Persons by Gender		Economies
						Women	Men	
Workshop on Usage of Digital Tools by Tourism MSMEs and Individuals in APEC (TWG 01 2021)					19-22 Jul	54%	46%	14
Opening Seminar of Tourism Industry of Asia-Pacific Region in the COVID-19 Recovery Period: Current Situation, Trends and Challenges (TWG 02 2021A)					28 Apr	67%	33%	9
Closing Seminar of Tourism Industry of Asia-Pacific Region in the COVID-19 Recovery Period: Current Situation, Trends and Challenges (TWG 02 2021A)					23 Sept	N/A	N/A	N/A
Stakeholder Dialogue for Common Challenges, Best Practices, etc. regarding CBT in Rural Areas of APEC Region (TWG 03 2021A)					Oct (TBC)	N/A	N/A	N/A
Hybrid Workshop on Increasing the Readiness and Resiliency of Tourism Destination Stakeholders in Managing Health Crises in APEC Economies (TWG 06 2021A)					Dec (TBC)	N/A	N/A	N/A
Workshops on Tourism Policy Recommendations to Achieve Regenerative Tourism Approach and on Redesigning the Next Phase of Better Tourism: Dialogue to Co-Create APEC Policy Recommendations (TWG 08 2021S)					25-26 Jan & 15 Aug	62%	38%	14
APEC's International (Hybrid) Seminar on Asia Pacific Sustainable Development of Tourism Vocational Education (TWG 02 2021S)					22 Sept	N/A	N/A	N/A
Online Workshop: Introducing Visitor Management Tools for APEC Economies (TWG 05 2021S)					11 Oct	N/A	N/A	N/A

<sup>13</sup> Concept Notes that have received in-principle BMC funding in 2022 Project Session #1 and #2

Communications 2022	
Feature Stories/Blogs	<a href="#">Policy Recommendations for Tourism of the Future: Regenerative Tourism</a>
Publications	<ul style="list-style-type: none"> <li>• <a href="#">Handbook on Developing Community Based Entrepreneurship (CBE) in Rural Tourism Through Digital Empowerment</a></li> <li>• <a href="#">Tourism Access and Inclusion: Best Practice Guidelines for Tourism MSMEs in APEC</a></li> <li>• <a href="#">Understanding the Role Played by ICT in Disaster Response of MSMEs</a></li> </ul>
Last Website Update	September 2022
Media/Outreach Opportunities	<ul style="list-style-type: none"> <li>• <a href="#">APEC Ministers: Regenerate Tourism Markets</a></li> <li>• <a href="#">Minister Phiphat's Statement on the APEC Tourism Ministerial Meeting</a></li> </ul>

#### List of Projects in Implementation Phase in 2022:

Project No.	Project Title
TWG 01 2019A	Developing Community Based Entrepreneurship (CBE) in Rural Tourism Through Digital Empowerment – publication
TWG 01 2020	APEC Study on the Assessment of the Level of Vulnerability of Tourism to Regional and Global Crises Focused on Micro, Small and Medium-Sized Tourism Enterprises (MSMEs): Opportunity for Risk Management Through Information and Communication Technologies (ICTs) – publication
TWG 01 2021	How do MSMEs and Individuals in Travel and Tourism Sector Survive and Recover from the COVID-19: The Opportunities from Digital Tools
TWG 02 2021A	Tourism Industry of Asia-Pacific Region in the COVID-19 Recovery Period: Current Situation, Trends and Challenges
TWG 03 2021A	Increasing the Prospect of Tourist Business Connectivity by Applying Information Technology to Create and Promote MSMEs Network on Community-based Tourism (CBT) in the Rural Areas of APEC Economies
TWG 06 2021A	Increasing the Readiness and Resiliency of Tourism Destination Stakeholders in Managing Health Crises in APEC Economies
TWG 05 2020S	People living with disability: best practice guidelines for tourism MSMEs in APEC – publication
TWG 08 2021S	Tourism Policy Recommendations to Achieve Regenerative Tourism Approach
TWG 02 2021S	Seminar on Asia & Pacific Sustainable Development of Tourism Vocational Education
TWG 05 2021S	Develop and disseminate best practices on the application of visitor management techniques in APEC economies

#### List of Concept Notes that have received in-principle BMC funding in 2022 (Project Sessions #1 and #2):

Proposed Economy	Project Title
<b>Project Session 1/2022</b>	
The Philippines	Establishing a Safe and Sustainable Future for Travel in the Better Normal
<b>Project Session 2/2022</b>	
Russia	A Workshop on Youth Involvement to the Development of Sustainable and Safe Tourism in Remote Areas of APEC Economies

## Transportation Working Group

<b>Name of SCE Sub-fora</b>					<b>TPTWG</b>			
<b>SCE-COW Participation in 2022</b>					<b>Yes</b>			
<b>Related Ministerial Meetings</b>					<b>-</b>			
<b>Year of Last Fora Assessment</b>					<b>2021</b>			
<b>Year Terms of Reference was Endorsed</b>					<b>2021</b>			
<b>Period of Strategic Plan</b>					<b>2022-2025</b>			
<b>2022 Meetings</b>					<b>APEC Projects in 2022</b>			
Date	Attendance			Quorum (Y/N)	Concept Notes	APEC Funded <sup>14</sup>	Self-Funded	Total Value (US\$)
	Persons by Gender		Economies					
	Women	Men						
11 Apr	38%	62%	19	Y	9	5	4	404,750
14 Apr	57%	43%	18	Y				
19 Apr	52%	48%	19	Y				
21 Apr	53%	47%	17	Y				
14 Sep	35%	65%	18 (Except PNG; PE; INA)	Y				
<b>2022 Events</b>					<b>APEC Projects in 2022</b>			
Name of Event					Date	Attendance		Economies
						Persons by Gender		
						Women	Men	
Online Workshop on Port Digitalization in the APEC Region (TPT 02 2019A)					22 Feb	9	19	9
Workshop – Building a Culture of Security and Countering the Insider Risk					8-10 Mar	16	31	15
Maximising Cross-Border Labor Mobility of Seafarers for the Digital Age Conference (TPT 03 2020A)					8-10 Mar			
Post COVID-19 Reaction: APEC SEN Distance Learning Platform for Seafarers Conference (TPT 06 2020A)					7-9 Jun	41	60	12
Building Randomness and Unpredictability into Aviation Security Countermeasure Development and Implementation Virtual Workshop (TPT 02 2020A)					8-9 Jun	18	33	13
Policy Roundtable on the Safe Passage of APEC Maritime Workers (TPT 04 2022S)					6 Sep			
Virtual workshop held on international cooperation in autonomous navigation to promote safe, efficient and sustainable maritime transport (TPT 02 2022S)					4 Oct	10	24	10

<sup>14</sup> Concept Notes that have received in-principle BMC funding in 2022 Project Session #1 and #2

Communications 2022	
<b>Feature Stories/Blogs</b>	<a href="#">Towards Safe, Green, Smart &amp; Inclusive Urban Transport in the APEC Region</a>
<b>Publications</b>	<ul style="list-style-type: none"> <li>• <a href="#">Promote Supply Chain Connectivity by Enhancing and Better Understanding Digital Innovation in APEC Port Industry</a></li> <li>• <a href="#">APEC Seafarers Excellence Network (APEC SEN) On-board Training to Foster Competent Young Future Maritime Global Leaders</a></li> <li>• <a href="#">Maximizing APEC SEN Cross-Border Labor Mobility of Seafarers for the Digital Age</a></li> </ul>
<b>Last Website Update</b>	April 2022
<b>Media/Outreach Opportunities</b>	<ul style="list-style-type: none"> <li>• PSU's Policy Brief Media Release on '<a href="#">Policy Options for Decarbonising Transportation in APEC</a>'</li> <li>• Video on Sustainable Transport Policy</li> </ul>

#### List of Projects in Implementation Phase:

Project No.	Project Title
TPT 02 2019A	Promote Supply Chain Connectivity by Enhancing and Better Understanding Digital Innovation in APEC Port Industry
TPT 02 2020A	Building Randomness and Unpredictability into Aviation Security Countermeasure Development and Implementation
TPT 03 2020A	Maximizing APEC SEN Cross-Border Labor Mobility of Seafarers for the Digital Age
TPT 06 2020A	Post COVID-19 Reaction: APEC SEN Distance Learning Platform for Seafarers
TPT 07 2020A	Workshop – Building a Culture of Security and Countering the Insider Risk
TPT 02 2022S	International Cooperation in Autonomous Navigation to Promote Safe, Efficient and Sustainable Maritime Transport
TPT 03 2022S	Encouraging Uptake of Zero Emission Ships and Fuels in the APEC Region
TPT 04 2020S	Strengthen Connectivity through Mobile-based Green ITS (G-ITS) Knowledge and Information Sharing
TPT 04 2022S	Policy Roundtable on the Safe Passage of APEC Maritime Workers

#### List of Concept Notes that have received in-principle BMC funding in 2022 (Project Sessions #1 and #2):

Proposed Economy	Project Title
<b>Project Session 1/2022</b>	
China	Optimizing Connectivity between Ports and Other Modes Transport System through 5G and Automation Technologies in APEC Region
The Philippines	Study on the Maritime Transport Sector in the COVID-19 Era: Challenges, Opportunities, and the Way Forward
Chinese Taipei	Building a Resilient and Sustainable Cruise Industry Post COVID-19
<b>Project Session 2/2022</b>	
New Zealand	Mainstreaming Gender in the Transport Workforce for Sustainability
New Zealand	Preparing for the Future: A study on adapting to multiple fuel types in shipping

## 4. Recommendations

The following recommendations are proposed to the 2022 APEC Ministerial Meeting (AMM):

1. *Note the 2022 Senior Officials' Report on Economic and Technical Cooperation;*
2. *Welcome the achievements of the SCE Working Groups and Policy Partnerships;*
3. *Welcome the revised ECOTECH Medium Term Priorities, now aligned with the objectives of the Putrajaya Vision 2040 and the Aotearoa Plan of Action;*
4. *Welcome the establishment of the APEC BCG Award; and*
5. *Welcome the 2022 contributions to the various sub-funds of the APEC Support Funds from five economies: China; Japan; Korea; Chinese Taipei and the United States.*

## **Report of the APEC Secretariat Executive Director on Fora Work: Alignment, Synergies, and Implementation of the Putrajaya Vision 2040 including through the Aotearoa Plan of Action**

1. In line with the recommendations for *Strengthening Economic and Technical Cooperation in APEC* issued in 2010, the APEC Secretariat Executive Director provides an annual report on how SCE sub-fora work plans address APEC's overall vision and objectives.
2. The SCE sub-fora annual work plans are tabled at the annual SCE-Committee of the Whole Meeting (SCE-COW) seeking approval in accordance with the recommendations of the 2010 ECOTECH Report.
3. The SCE has also tasked “the Secretariat to undertake a strategic assessment of synergies within the ECOTECH agenda after SOM1 and provide recommendations to SCE2 about gaps that may require SCE attention or direction” (point 7 of *SCE Report on Improving ECOTECH in APEC* (2013/SOM3/030)).
4. The first report by the APEC Secretariat (2014/SOM2/SCE/004) was submitted to the SCE2 in 2014. The second report was presented to the SCE2 in 2015.
5. In 2020, Leaders agreed to the Putrajaya Vision 2040, charting APEC's course for the next 20 years. In implementing the Putrajaya Vision 2040 including through the Aotearoa Action Plan, Leaders asked APEC fora and sub-fora to make provision for implementing the Putrajaya Vision 2040, including through the Aotearoa Action Plan, in their terms of reference, work plans and strategic plans.
6. In an effort to avoid duplication, the APEC Executive Director now attempts to rationalize these reports and add in the status of implementation of the Putrajaya Vision 2040 including through the Aotearoa Plan of Action in annual work plans.
7. With the SCE's approval this combined annual report will examine how SCE sub-fora work plans address APEC's overall vision and objective's, provide recommendations on any gaps in the ECOTECH agenda that may require SCE direction or attention, and provide information on the status of implementation of the Putrajaya Vision including through the Aotearoa Plan of Action in SCE sub-fora work plans.

### **Status of SCE Sub-fora Work Plan Submission**

8. The SCE Terms of Reference stipulate that Working Groups and Policy Partnerships should submit their annual work plans three weeks prior to the annual SCE-COW on the margins of SCE1. The APEC Secretariat analyzed thirteen sub-fora work plans: Anti-Corruption and Transparency Working Group; Agricultural Technical Cooperation Working Group; Experts Group on Illegal Logging and Associated Trade; Emergency Preparedness Working Group; Health Working Group; Human Resources Development Working Group; Oceans and Fisheries Working Group; Policy Partnership for Science, Technology, and Innovation; Policy Partnership for Women and the Economy; Small and Medium Enterprises Working Group; Telecommunications and Information Working Group; Tourism Working Group; and Transportation Working Group as of 10 March 2022.

### Alignment of Work Plans with Broader APEC Objectives

9. The majority of SCE sub-fora focused their activities to respond to recent mandates from Leaders and Ministers.<sup>15 16 17</sup>
10. A majority of sub-fora made linkages between their specific activities and APEC 2022 priorities.<sup>18</sup>
11. All work plans also make linkages between their specific activities and the relevant ECOTECH Medium Term Priorities, which is facilitated by the template.

### Synergies

12. The strategic assessment of work plans developed the following conclusions:
  - SCE sub-fora identified over 100 areas of potential cross-fora collaboration.
  - Potential collaboration is being identified with other SCE sub-fora as well as with the Economic Committee, the Committee on Trade and Investment along with their sub-fora, as well as the Finance Ministers Process/Senior Finance Officials' Meeting.
  - Collaboration is not confined to the same or the more obvious partners but rather is diverse, and often differs from project to project.
  - The most active sub-fora in terms of collaboration is TWG with EPWG, HRDWG, PPWE, and SMEWG also seeking to collaborate with a number of APEC sub-fora. The sub-fora with the fewest self-reported collaborations is TELWG.
  - A number of SCE sub-fora identified collaboration with external partners in their events or activities as per the principles and procedures for managing cooperation between APEC and non-member entities and individuals.<sup>19</sup>

### Gaps

13. While five work plans explicitly identified potential collaborations with ABAC. There likely is scope for more frequent collaboration with ABAC as well as ASEAN and the Pacific Islands Forum Secretariat, given their respective roles within the broader APEC process.

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<sup>15</sup> La Serena Roadmap for Women and Inclusive Growth (ACTWG; ATCWG; EPWG; EGILAT; HRDWG; HWG; OFWG; PPSTI; PPWE; SMEWG; and TPTWG)

<sup>16</sup> APEC Internet and Digital Economy Roadmap (EPWG; HRDWG; PPSTI; PPWE; SMEWG; TELWG and TPTWG)

<sup>17</sup> APEC Connectivity Blueprint (HRDWG; TELWG; and TPTWG)

<sup>18</sup> APEC 2022 Priorities – ACTWG; ATCWG; EPWG; EGILAT; HRDWG; HWG; OFWG; PPSTI; PPWE; TELWG; and TWG

<sup>19</sup> Proposed non-member participation included the following, non-exhaustive list of international and regional organisations: the Summit of the Americas, United Nations, World Bank, Asian Development Bank, INTERPOL, International Energy Agency, ILO, WHO and OECD, or non-governmental organisations such as the World Economic Forum, Association of Pacific Rim Universities, International Air Transport Association and Transparency International.

**Implementation of the Putrajaya Vision 2040 including through the Aotearoa Plan of Action**

14. SCE sub-fora made provision to implement the APEC Putrajaya Vision 2040, including through the Aotearoa Plan of Action, in all their work plans and the majority of the terms of reference. Some SCE sub-fora updated their strategic plans by incorporating references to the implementation of the APEC Putrajaya Vision 2040, including through the Aotearoa Plan of Action.
15. Continued implementation of the Putrajaya Vision 2040 including through the Aotearoa Plan of Action in the SCE and its sub-fora may enhance synergies and cross-fora collaboration.

## Aligning the ECOTECH Medium-Term Priorities with the APEC Putrajaya Vision 2040

### 1. Introduction

The ECOTECH Medium-Term Priorities focused members collective efforts on meeting the commitments outlined in the Economic and Technical Cooperation Section (Part II) of APEC's framework for achieving the Bogor Goals - the Osaka Action Agenda. During the 2014 review of the Manila Declaration, members agreed that the concepts of ECOTECH had broadened and it was time for a 'new cycle' that refreshed and updated existing priorities. Similarly, with APEC having adopted the Putrajaya Vision 2040 (APV2040) and subsequently an implementation plan to achieve its objectives in 2021 -the Aotearoa Plan of Action (APA), there is a need to revisit the ECOTECH Medium-Term Priorities to ensure that they are fit for purpose and aligned with APEC's APV2040.

### 2. Background

Historically, the 1996 Manila Declaration on an Asia-Pacific Economic Cooperation Framework for Strengthening Economic Cooperation and Development outlined the key areas of APEC economic and technical cooperation. In 2006, Ministers reaffirmed their commitment to the Manila Declaration, with a revised set of priorities established in 2010 and further refined in 2014 (2014/SOM3/SCE/002) that covered cross-cutting and work stream priorities:

#### Cross-cutting priorities

1. Developing human capital through capacity building
2. Developing and strengthening the dynamism of SMEs
3. Harnessing technologies for the future and supporting innovation
4. Inclusive growth - addressing the social dimension of globalization, health, gender

#### Workstream priorities

5. Regional economic integration
6. Structural reform
7. Safeguarding the quality of life through sustainable growth
8. Human security

Due for review in 2019, SCE took the decision to delay to ensure that the Medium-Term priorities were aligned with the APV2040 including through its implementation plan, the APA (2019/SOM1/019, 2021/SOM1/SCE/SUM and 2021/SOM2/SCE/021).

In 2020, APEC Economic Leaders charted APEC's course for the next 20 years with the APV2040. Further, in 2021, APEC Economic Leaders agreed to implement the APV2040 including through the APA. The APA outlines the three economic drivers, alongside the objectives contained in the APV2040, while adding Medium-Term priorities or collective actions as the mechanism to facilitate the achievement of the longer-term goals of the APV2040 as well as the continuous improvement of APEC as an institution and review and renewal.

### 3. Approach

This approach fully subscribes to the original aims that guided the formulation of APEC's ECOTECH Medium-Term Priorities and seeks to identify key areas of APEC economic and technical cooperation as outlined in the APV2040.

The SCE plays a lead role in supporting the achievement of APEC's vision including through the APA, and provides direction to SCE sub-fora on implementation matters. The collective actions are central to advancing APEC's ECOTECH agenda and APEC Leaders' ECOTECH-related priorities. The SCE

will continue to oversee, coordinate and provide policy guidance to the SCE sub-fora, while also contributing to the implementation of the ECOTECH Medium-Term Priorities.

As evidenced by the mapping exercise below, the previous ECOTECH Medium-Term Priorities align and are captured within the APV2040 and APA's economic drivers, objectives and collective actions. This exercise acknowledges the synchronicity between the APA's medium-term priorities or collective actions and the timelines and intention of the ECOTECH Medium-Term Priorities. Thus, the mapping seeks to first align and then integrate relevant collective actions into the ECOTECH Medium-Term Priorities framework for its next five-year cycle.

The below chart details the three economic drivers (column one), ECOTECH-related objectives (column two), and accompanying ECOTECH-related collective actions (column three) of the APA to implement the APV2040, mapped against key responsible SCE sub-fora spearheading specific areas of work on APEC's ECOTECH-related Collective Actions (column four) as well as the previous ECOTECH Medium-Term Priorities (column five). Note that the below identification of key responsible sub-fora is not exhaustive, and other sub-fora may contribute to the achievement of the outcomes outlined in the APV2040 and the APA.

This exercise provides further guidance to SCE and its sub-fora as they implement the APV2040 including through the APA, and will center and focus ECOTECH-related workstreams around the specific collective actions most relevant to each SCE sub-fora. SCE sub-fora will be expected to reflect the updated ECOTECH Medium-Term Priorities (the ECOTECH-related collective actions of the APA to implement the APV2040) in their work plans as well as in end year reporting, while using existing templates and reporting structures. When it comes time to renew Terms of Reference and Strategic Plans, SCE sub-fora will also be expected to carefully consider and incorporate ECOTECH-related Collective Actions in all governance document updates.

In addition, the SCE and its sub-fora are encouraged to work towards the achievement of ECOTECH Medium-Term Priorities in a manner that is reflective of APEC's efforts to continuously improve APEC as an institution, outlined in the Putrajaya Vision 2040 and the APA. These efforts could include deepening engagement with ABAC and the private sector, as well as PECC, PIF, ASEAN, and other international and regional organizations; promoting engagement with a broader range of economic stakeholders, such as NGOs and civil society, to reflect the breadth of the APEC Putrajaya Vision 2040; and continuously improving communications of APEC's work to the broader public.

#### **4. Next Steps and Reporting**

Originally, all APEC Committees and fora were requested to recognize the ECOTECH Medium-Term Priorities in their work planning; however, in recent years only SCE and SCE sub-fora have reported on them annually. In addition, the SCE sub-fora are required to report on activities under each priority in their annual fora report (see generally 2014/AMM/015, Annual Work Plan and Fora Report Templates).

As of 2023 while SCE and its sub-fora continue implementing the Putrajaya Vision in a comprehensive and balanced manner in accordance with their mandate, and make provision for implementing the APV2040, including through the APA, in their terms of reference, work plans and strategic plans, SCE and its sub-fora will also draw from the ECOTECH-related APA Collective Actions or renewed ECOTECH Medium-Term Priorities outlined in the mapping below to inform annual workplans. These collective actions will serve to update the previous ECOTECH Medium-Term Priorities, which were incorporated into SCE sub-fora work plans. The key responsible SCE sub-fora, are expected to reflect some or all of the ECOTECH Collective Actions identified in the mapping (now the ECOTECH Medium-Term Priorities) in their work plans and end year reporting. However, all SCE sub-fora are welcome to self-identify and incorporate relevant ECOTECH-related Collective Actions in their governance and reporting documents.

SCE and its sub-fora will continue to report on progress in the implementation of the APV2040 and the achievement of the ECOTECH Medium-Term Priorities through existing reporting templates, submitted on an annual basis, as per the standard reporting processes in place. This reporting will then be included in the *Senior Officials' Report on Economic and Technical Cooperation* tabled at the APEC Ministers' Meeting. SCE will review the ECOTECH Medium-Term Priorities in 2027 with a view towards adjusting, as deemed necessary, and in full alignment with the priorities set out in the APV2040 and the APA.

## ABBREVIATIONS AND ACRONYMS

ABAC	APEC Business Advisory Council
ACTWG	Anti-Corruption and Transparency Experts' Working Group
ACT-NET	Anti-Corruption Authorities & Law Enforcement Agencies
AMM	APEC Ministerial Meeting
APEC	Asia-Pacific Economic Cooperation
ART	APEC Research and Technology
ASEAN	Association of Southeast Asian Nations
ASF	APEC Support Fund
ASPIRE	Science Prize for Innovation, Research and Education
ATCWG	Agricultural Technical Cooperation Working Group
BCP	Business Continuity Plans
BMC	Budget and Management Committee
BMG	Business Mobility Group ( <i>a sub-fora of CTI</i> )
CEEDS	Cooperative Energy Efficiency Design for Sustainability
CSOM	Concluding Senior Officials' Meeting
CTI	Committee on Trade and Investment
CTWG	Counter-Terrorism Working Group
DARE	Data Analytics Raising Employment
EC	Economic Committee
ECOTECH	Economic and Technical Cooperation
EGILAT	Experts Group on Illegal Logging and Associated Trade
EPWG	Emergency Preparedness Working Group
ESCI	Energy Smart Communities Initiative
ESI	Energy Security Initiative

EWG	Energy Working Group
FMP	Finance Ministers' Process
FOTC	Friends of the Chair
FTAAP & GVCs	Free Trade Area of the Asia-Pacific and Global Value Chains
GNSS	Global Navigation Satellite System
GPA	General Project Account
HLPDAB	High Level Policy Dialogue on Agricultural Biotechnology
HRDWG	Human Resources Development Working Group
HWG	Health Working Group
ICT	Information and Communications Technology
IERG	Innovative Development, Economic Reform and Growth
IOV	Internet of Vehicles
LCMT	Low Carbon Model Town
LEDS	Low Emission Development Strategies
MOI	Mainstreaming Ocean Related Issues Steering Council
MRA	Mutual Recognition Arrangement
MRA-CA	MRA for Conformity Assessment
MRM	Ministers Responsible for Mining
MSME	Micro, Small and Medium Enterprises
O2O	APEC Online-Offline
OECD	Organization for Economic Cooperation and Development
OFWG	Ocean and Fisheries Working Group
PBN	Performance Based Navigation
PMU	Project Management Unit, APEC Secretariat
PPFS	Policy Partnership on Food Security

PPSTI	Policy Partnership on Science, Technology and Innovation
PPWE	Policy Partnership on Women and the Economy
PSU	Policy Support Unit, APEC Secretariat
REI	Regional Economic Integration
SCCP	Sub-Committee on Customs Procedures ( <i>a sub-fera of CTI</i> )
SCE	Steering Committee on Economic and Technical Cooperation
SCE-COW	SCE Committee of the Whole
SCSC	Sub-Committee on Standards and Conformance ( <i>a sub-fera of CTI</i> )
SDMOF	Senior Disaster Management Officials Meeting
SMEWG	Small and Medium Enterprises Working Group
SOM	Senior Officials' Meeting
STEM	Science, Technology, Engineering and Mathematics
TELWG	Telecommunications and Information Working Group
TFI	Trade Facilitation Initiative
TILF	Trade and Investment Liberalisation Fund
TPTWG	Transportation Working Group
TWG	Tourism Working Group
US-SEGA	US-Support for Economic Growth in Asia

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35 Heng Mui Keng Terrace, Singapore 119616  
Telephone:(65) 6891 9600 Facsimile: (65) 6891 9690  
Email: [info@apec.org](mailto:info@apec.org) Website: [www.apec.org](http://www.apec.org)