PPSTI Mission Oriented Innovation Policy (MOIP) Pilot
2025 - 2028
TERMS OF REFERENCE

Background

In 2024, SCE decided to renew the mandate of PPSTI for an additional four years. This decision was accompanied by a set of recommendations, including for -

> *"PPSTI to invest in efforts to increase the quality of projects for example by exploring mechanisms to avoid duplication of topics and increase the impact of project outcomes through multiyear projects."*

This recommendation aligns with a series of dialogues, workshops, and conversations PPSTI members have participated in, exploring how the Mission Oriented Innovation Policy (MOIP) approach could be applied by APEC PPSTI. Mission Oriented Innovation Policies are systemic public policies that use science, technology, and innovation, and other knowledge, to address complex challenges and achieve concrete positive outcomes. As outlined in the Summary of Key Decisions from PPSTI-23, PPSTI members have designed a pilot project that can be implemented upon consensus. This pilot aims to determine whether the MOIP approach will fulfill the tasks set by the SCE and enhance PPSTI's work to provide expertise across APEC.

Goals and/or Strategic Focus

In line with the Putrajaya Vision 2040, and the Aotearoa Plan of Action, MOIP and the associated Pilot will guide PPSTI engagement within APEC.

MOIP is deemed to provide a focused approach for projects and their implementation thus ensuring better results moving towards tangible impact on APEC economy and community.

In addition to the overarching impact on the APEC region, MOIP could achieve the following objectives for PPSTI members:

- Incentivize more delegates, economies, and private sector partners to attend meetings and workshops.
- Achieve concrete outcomes and recommendations which could be expressed in APEC Leaders Declarations; and,
- Increase the relevance, impact, and influence of PPSTI within APEC as well as supporting the APEC's role as a leading forum contributing to the regional and global economic prosperity.

Grand Challenge Selection

Per an intercessional survey between PPSTI-23 and PPSTI-24, the PPSTI Members and the Governing Board determined that the MOIP Pilot will address the following Grand Challenge:

> *"Strengthening Regional STI Networks to Support Resilient and Inclusive APEC Economies" **

* Within the context of this Grand Challenge, "resilient" is further defined to include environmental, health, social, and economic resilience. The selected Pilot Grand Challenge aligns with projects which PPSTI members already lead.

SDG Integration and Key Objectives

Implementation of the MOIP pilot within PPSTI aligns with the 2030 Agenda for Sustainable Development, and acts as a complementary framework to illustrate PPSTI contributions for the achievement of the Sustainable Development Goals (SDGs). While MOIP provides an organizational approach to boosting innovation, SDGs serve as a strategic umbrella outlining a set of interconnected goals and targets, promoting sustainable economic growth. Integration of the SDGs in the MOIP Pilot helps keep PPSTI's work forward looking, while the synergy with existing high-level goals may foster an efficiency of efforts that contribute to a more resilient, inclusive, and sustainable APEC region.

The development and formulation of the Grand Challenge works hand in hand with the inclusion of several key related SDGs. This would demonstrate how focusing on those particular SDGs would most effectively contribute to the selected Grand Challenge, global sustainability and economic prosperity, and link a broader spectrum of potential project themes that can be tailored to address specific regional priorities.

The organizational approach to this integration will require decision on both key objectives which PPSTI members plan to achieve related to the Grand Challenge, as well as several key SDGs to strengthen the interconnected goals. Key objectives and related SDGs will be determined on the following basis, and must be approved by consensus by PPSTI members:

Key SDGs:

- Shares nexus with sub-group theme and Grand Challenge
- SDGs most impacted by project outcomes
- Proposed and presented by sub-group to PPSTI members
- Determined on a sub-group to sub-group basis. Sub-groups may have overlap in the SDGs selected.

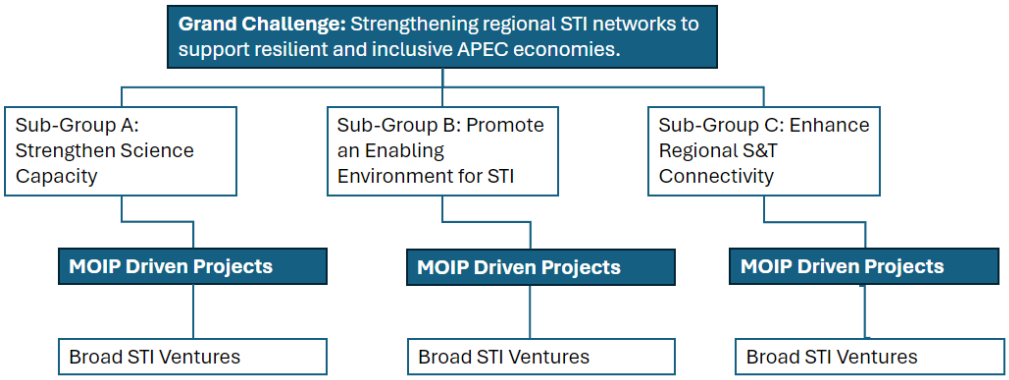
Key Objectives:

- Outcome oriented, directly responding to the Grand Challenge
- Shares nexus with sub-group theme, Grand Challenge, and SDG framework
- SMART – Specific, Measurable, Achievable, Relevant, Time Bound

Structure

The existing PPSTI sub-groups will manage the MOIP Pilot implementation for projects under their purview. After the Grand Challenge is formulated, sub-group leads and/or POs select aligning SDGs, and deliver to the PPSTI delegates based on the relevance. Some SDGs, being interconnected may provide an opportunity for the sub-groups to collaborate and better address the Grand Challenge, benefiting them both and reaching greater outcomes.

When submitting a project, the PO will work with the Economy Focal Point to determine whether the project contributes to the pilot (i.e. "MOIP Driven Projects") or proceeds through the general review process/path (i.e. "Broad STI Ventures") without prejudice to the project as such. There will be no penalties attributed to the project for either path, as the pilot is an opt-in structure, and any contribution to the selected or existing SDGs would be taken into account. After endorsement of the MOIP Pilot TOR, members will update the "APEC Policy Partnership for Science, Technology, and Innovation (PPSTI) Concept Note Protocol" to reflect both paths.



Sub-Group A: Strengthening Science Capacity

Mission: *To enhance the scientific research and development capabilities of APEC economies, fostering a culture of innovation and excellence that drives sustainable and inclusive growth. Enabling synergies across APEC in both the culture and capacity of STI will reduce barriers for STI networks to collaborate between and within economies, driving progress towards the MOIP Grand Challenge.*

Sub-Group B: Promoting Enabling Environment for Innovation

Mission: *To establish a vibrant and collaborative ecosystem that supports the development and commercialization of innovative technologies within the APEC region. Commercialization of the innovative technologies across APEC is an underlying driver of regional economic growth which requires collaboration across many different networks and types of stakeholders. Progress towards the MOIP Grand Challenge will include strengthening the STI multistakeholder networks for a vibrant and collaborative ecosystem.*

Sub-Group C: Enhancing Regional S&T Connectivity

Mission: *To strengthen regional S&T networks and connectivity, fostering collaboration and knowledge exchange among APEC economies. Connecting networks across the APEC region facilitates the growth of networks, directly contributing to achievement of the MOIP Grand Challenge.*

The projects implemented within the groups may contribute to 1 or more SDGs. Sub-group leads at the next PPSTI plenary meeting after endorsement of this TOR will propose the SDGs and Key Objectives that their group will contribute to within the Mission and Grand Challenge. These proposed SDGs and Key Objectives will be reviewed and approved by consensus by PPSTI.

Project Selection Process

All economies are eligible and encouraged to participate in the MOIP Pilot. MOIP Pilot Projects will abide by the below process, which will begin after sub-groups have determined their key objectives and key SDGs:

1) **Member economy:** Submit a CN Summary Template to the Secretariat. Upon endorsement of this TOR, the CN Summary Template will be updated to include sections to outline the key SDGs and key objectives, if the project is contributing to the MOIP pilot.

2) **Secretariat + Review Panel**: 1. Categorize CNs per their Sub-group/SDGs into "Priority" (addressing key objectives of the Grand Challenge's & selected SDGs framework) or "Support"

(as accompanying the "Priority" set of projects) 2. Recommend if any proposed CNs have complementary goals and could be combined. 3. Supply recommendations for member economies submitting CNs.

3) **Governing Board:** Review the CNs as provided by the Review Panel. Provide an overarching review for the integration of MOIP driven projects towards addressing the grand challenge, and ensure that there is no duplication of projects between sub-groups.

3) **Secretariat**: after communication with member economies, and receiving their decision on either merging CNs or proceeding separately, disseminates the CN for members' endorsement. Upon dissemination of the CNs, the Secretariat will share in a table the categorization of the CNs as determined by the Review Panel (example below) regarding 1. Aligning with MOIP Key Objectives – selected SDGs, and 2. Which sub-group will be responsible for further coordinating the CN.

S/N	Project Title	Proposing Economy/Focal Point	MOIP Pilot Participant (Y/N)	Sub-Group/ Key Objective/ Selected SDG	Project Overseer (PO)
Ex.	PPSTI Project Zero	PPSTI Governing Board / Chair's Team (email: USAPPSTI@state.gov)	Y	Sub-Group A/ Key Objective 2/ SDG 4	Jane Doe

4) **Member economy**: will determine, based on Secretariat and Review Panel feedback whether to merge or collaborate with other economies working on similar project CNs, or proceed with the project CN as submitted. After endorsement of the initiative, implements it – with coordination and supervision of the sub-group leadership. After implementation – produce reports on the progress with quantitative measure, qualitative measure. For funded projects, it is recommended to include in the current APEC reporting template the point "contribution to the Grand Challenge and selected SDGs".

For self-funded projects, it is recommended to set a self-reporting template, with due regard to the efforts of the POs of such projects, to include such pillars as "objectives and outcomes reached", "contribution to the Grand Challenge and selected SDGs", "key findings and next steps".

6) **Secretariat + Sub-group lead members**: summarize all the ongoing and finalized projects, thus following progress on achievement of the Key Objectives and recommendations for the next Grand Challenge.

Leadership

- The PPSTI Governing Board (encompassing the Chair, Vice Chair, Host Vice Chair, and Principal Advisor when applicable) will lead the following functions of the MOIP Pilot through virtual and in-person plenary meetings throughout the year:
    - Lead the identification process for the Grand Challenge through intersessional online discussions, surveys, and other activities open to all PPSTI Members
        - Upon selection of a Grand Challenge, the Secretariat will disseminate the consensus decision and include the table of proposals discussed

    - Coordinate, in collaboration with the sub-group leads, an annual update on progress towards the Grand Challenge, the SDG Framework, and long-term outcomes and Key Objectives
        - May lead intersessional meetings with the sub-group leads to review progress
    - Propose relevant output for higher-level review
- Sub-Group leads will:
    - Work with the Governing Board and sub-group members to identify and propose the relevant outcomes and Key Objectives towards the Grand Challenge and broader SDG framework, and present to PPSTI members at the next plenary meeting after adoption.
    - Coordinate with POs to track progress towards identified outcomes and support PPSTI's efforts to identify efficiencies and synergies to advance APEC objectives
- Economy Focal Points will:
    - Support POs of proposed projects to determine how the project contributes to the Grand Challenge

Meeting arrangements

PPSTI sub-groups and plenary will meet in line with the PPSTI TOR, and the PPSTI plenary agenda will include an annual agenda item to discuss MOIP progress for the duration of the pilot. The first check-in will take place at the 6-month mark after implementation.

Engagement with Other Stakeholders

PPSTI Centers are encouraged to institute projects and workstreams in support of the Grand Challenge. PPSTI Members may determine at a later date a formal role for external stakeholders, such as the private sector and academia, as the implementation of the Pilot proceeds and gaps in expertise are identified.

Reporting Structure

The PPSTI Governing Board and sub-group Leads will report annually, at either SOM1 or SOM3, to PPSTI members on the implementation and contribution of projects to the MOIP Pilot.

Pilot Review

The MOIP Terms of Reference (TOR) and success of the MOIP Pilot shall be reviewed by members during SOM3 2028, upon the consensus of all member economies. At that time, economies will decide whether to incorporate MOIP governance structures into the PPSTI ToR upon renewal. If members reach consensus to continue with MOIP, the Governing Board will lead the members in identification of the next Grand Challenge, and an appropriate timeline for implementation.

Sunset Clause

The MOIP Pilot's term is 1 January 2025 to 31 December 2028. Prior to the expiration of this term, the mandate of the MOIP Pilot and its TOR shall be reviewed by the Governing Board, and the PPSTI Members may make a recommendation on continuation of its mandate to be incorporated within the renewed PPSTI TOR. The MOIP structure will cease to exist upon the expiration of this Terms of Reference unless renewal is explicitly approved by PPSTI members and Senior Officials.