

ด่วนที่สุด



ศูนย์ความร่วมมือนานาชาติ
 รับที่ ร 0210
 วันที่ 19 ก.พ. 2569
 เวลา 10.03

มหาวิทยาลัยเทคโนโลยีพระจอมเกล้าพระนครเหนือ
 เลขรับ 656
 วันที่ 18 ก.พ. 2569
 เวลา 17.00น.

ที่ อว ๐๒๐๒.๖/๓๗๙๙

ถึง มหาวิทยาลัยเทคโนโลยีพระจอมเกล้าพระนครเหนือ

ด้วยสำนักงานปลัดกระทรวงการอุดมศึกษา วิทยาศาสตร์ วิจัยและนวัตกรรม ซึ่งเป็นผู้ประสานงาน (Focal Point) ความร่วมมือภายใต้กรอบ APEC Policy Partnership on Science, Technology and Innovation (PPSTI) ได้รับจดหมายอิเล็กทรอนิกส์จากเขตเศรษฐกิจเกาหลีแจ้งว่าจะนำเสนอข้อเสนอโครงการ (Concept Note) เพื่อขอรับการสนับสนุนจากเอเปค ประจำปี พ.ศ. ๒๕๖๙ (Project Session 1-2026) โดยขอให้ประเทศไทยพิจารณาให้การสนับสนุนโครงการในฐานะ Co-sponsor จำนวน ๑ โครงการ ได้แก่ APEC 2026 Women in STEM Symposium - Women in STEM and the Power of Data รายละเอียดตามสิ่งที่ส่งมาด้วย

ในการนี้ สำนักงานปลัดกระทรวงการอุดมศึกษา ขอความร่วมมือหน่วยงานของท่าน ซึ่งเป็นหน่วยงานที่ดำเนินการเกี่ยวข้อง พิจารณาการรับเป็นผู้สนับสนุน (Co-sponsor) ข้อเสนอโครงการดังกล่าว ทั้งนี้ ขอแจ้งข้อมูลเพิ่มเติมว่า การนำเสนอข้อเสนอโครงการ (Concept Note) ของสมาชิกเอเปคที่จะขอรับการสนับสนุนจากเอเปคจะต้องผ่านเกณฑ์เบื้องต้น โดยจะต้องประกอบไปด้วย ๑) เขตเศรษฐกิจผู้นำเสนอโครงการ (Project Overseer) และ ๒) เขตเศรษฐกิจที่ให้การสนับสนุนข้อเสนอโครงการในฐานะ Co-sponsor ร่วมอย่างน้อยอีก ๒ เขตเศรษฐกิจ ซึ่งการสนับสนุนดังกล่าวเป็นการสนับสนุนในด้านข้อคิดเห็นหรือการแลกเปลี่ยนข้อมูลที่เกี่ยวข้อง รวมถึงการแลกเปลี่ยนวิทยากรเป็นหลัก และไม่มีการขอ/ใช้งบประมาณจากผู้สนับสนุน ทั้งนี้ ขอได้โปรดแจ้งผลการพิจารณาให้สำนักงานปลัดกระทรวงการอุดมศึกษา ทราบทางไปรษณีย์อิเล็กทรอนิกส์ punyata.p@mhesi.go.th ภายในวันที่ ๒๓ กุมภาพันธ์ ๒๕๖๙

จึงเรียนมาเพื่อโปรดพิจารณาดำเนินการในส่วนที่เกี่ยวข้องต่อไปด้วย จะขอบคุณยิ่ง



- ทราบ / แจ้งบุคลากรทราบ
- ประชาสัมพันธ์ทั่วไป
- มอบหมาย นางสมิท
- อื่นๆ Website ICC, KMUTNB

กองการต่างประเทศ
 กลุ่มส่งเสริมความร่วมมือระหว่างประเทศ ๒
 โทร. ๐ ๒๖๑๐ ๕๓๙๔ (ปุญญุตตา)
 โทรสาร ๐ ๒๓๕๔ ๕๕๗๐
 ไปรษณีย์อิเล็กทรอนิกส์ punyata.p@mhesi.go.th

(นางสาวพิมพ์วิมล มุสิกพันธ์)
 ผู้อำนวยการศูนย์ความร่วมมือนานาชาติ
 วันที่ 23 ก.พ. 69

Concept Note

PO: Please draft the CN by filling in the fields below.

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for instructions.

Project Overview

Project Session	1	Project Year	2026
Project Title 	APEC 2026 Women in STEM Symposium - Women in STEM and the Power of Data		
Fund Source 	APEC Support Fund (ASF) - Please choose ASF Sub-Fund	ASF Sub-Fund (if applicable) 	ASF: Digital Innovation (Digital)
APEC Forum 	APEC Policy Partnership on Science Technology and Innovation (PPSTI)	Co-Proposing Forum  (only if applicable)	Policy Partnership on Women and the Economy (PPWE)
Proposing APEC Economy	Korea	Co-Proposing Economy  (only if applicable)	Select if applicable.
Co-Sponsoring APEC Economies 			
Expected Start Date 	05-03-2026	Project Completion Date 	31-Dec-2027 (Project Session 1, 2026)
Project Topic 1 (select up to 3) 	Women's Economic Empowerment		
Project Topic 2 (Optional)	Digital Technology and Innovation		
Project Topic 3 (Optional)	Human Resources Development		
Project Summary  (Capped at 150 words)	<p>APEC member economies have made efforts to increase women's participation in STEM, but challenges persist due to the lack of sex-disaggregated data and differing indicator systems. Disparities in data collection, indicator design, and digital infrastructure make joint monitoring and benchmarking difficult.</p> <p>To address this, the <i>APEC 2026 Women in STEM Symposium</i> will be held in August 2026 under the theme "<i>Women in STEM and the Power of Data.</i>" Building on the 2024 U.S., 2024 China, and 2025 Korea projects, the event will focus on enhancing the capacity to collect and analyze sex-disaggregated STEM data by sharing best practices and presenting actionable policy recommendations. The symposium will involve 60-70 participants, including STI and women's empowerment policy officials, domestic statistical agencies, and researchers. The outcomes will serve as a foundation for the development of guidelines and common standards for STEM data collection across APEC economies.</p>		
List All Project Outputs 	<ol style="list-style-type: none"> 2-day workshop (hybrid event- offline/online) Project summary report 		
For PV Drivers and APA Objectives, please refer to the Annex <u>on the last page.</u>			

Budget ♦ (Please ensure that the numbers add up correctly)				
a. Labor Costs (USD)	\$0			
b. Travel (USD)	\$60,000			
c. Hosting (USD)	\$20,000			
d. Publications & Distribution (USD)	\$0			
e. Other (USD)	\$0			
Total Amount Being Sought from APEC (a+b+c+d+e)(USD) ♦	\$80,000		\$30,000	\$110,000
Main Project Overseer Information				
Name	Seyun Ji	Job Title	Senior Project Manager.	
Organization	Korea Foundation for Women in Science, Engineering, and Technology (WISET)	Contact No.	+82-2-6411-1013	
E-mail	syji@wiset.or.kr			
Alternate Project Overseer Information (if any)				
Name	Job Title	Organization	Contact No.	E-mail
WooYoung (Wyllie) Kim	Assistant Manager	Korea Foundation for Women in Science, Engineering, and Technology (WISET)	+82-2-6411-1010	wykim@wiset.or.kr
Project Synopsis				
Project Objective ♦ (Capped at 100 words)	<p>The overall objectives of this project are:</p> <ul style="list-style-type: none"> i) To strengthen APEC economies' capacity to collect and analyze sex-disaggregated data in STEM to address divide between women and men. ii) To strengthen data-driven policy creation and enhance women's participation, retention, and leadership in STEM fields across APEC economies. iii) To facilitate regional collaboration and bridge policy gaps, advancing inclusive innovation in STI throughout the APEC region. 			
1. Relevance				
1a. Issues ♦	<p>The underrepresentation of women in STEM fields has remained a significant challenge across APEC economies for two decades. This persistent gap stems from structural barriers—such as bias against women, rigid workplace cultures, and imbalanced caregiving responsibilities—all of which are difficult to fully capture or address without reliable data. In this context, data insufficiency is both a root cause and a symptom of these systemic issues, making it difficult to identify inequalities, monitor progress, or develop targeted, evidence-based interventions. Many economies continue to face fragmented or outdated data on women in STEM. For example, <i>the APEC Women and the Economy Dashboard 2023</i> highlighted that only two economies report near or above 50% female participation, while most others average below 35%, with data being incomplete and inconsistent. Efforts like <i>UNESCO's SAGA Toolkit</i> to standardize indicators have not been widely adopted, and only Australia and Korea have government-mandated, resourced reporting on women in STEM¹. Most economies focus on broader dashboards rather than sex-disaggregated data, which makes it difficult to</p>			

	<p>paint a comprehensive picture of women and girls in STEM. Challenges persist, including definitional issues, data comparability, and difficulties in compiling data across various institutions. The lack of policies and resources for regular data collection further exacerbates the issue. Disparities in technical capacity, methodology, and digital infrastructure complicate monitoring and benchmarking.² Building on the efforts of the U.S. in 2024, this project seeks to address these challenges by enhancing the data capabilities across APEC economies, ensuring the development of evidence-based policies that support women in STEM.</p>
<p>1b. Alignment to APEC ◆</p>	<p>This project directly aligns with the core objectives of APEC's <i>Women in STEM Principles and Actions</i>, particularly <i>Principle 2(c)</i>, which focuses on increasing the creation, collection, evaluation, and sharing of sex-disaggregated data on STEM participation across all sectors and disciplines throughout the STEM pipeline. As disparities between men and women in STEM remain significant across APEC, this project focuses on encouraging to produce sex-disaggregated data. Where possible, additional dimensions such as region and socioeconomic status will also be considered. The sex-disaggregated data in this project will go beyond a simple male-female binary and is intended to inform inclusive policy and decision-making. Korea brings strength in this area through legal mandates under the <i>Framework Act on Gender Equality</i> and the <i>Statistics Act</i>. Data handling will follow privacy laws, such as Korea's <i>Personal Information Protection Act</i> or the U.S. <i>FERPA</i>. Efforts will also be made to avoid reinforcing stereotypes when interpreting sex-disaggregated data, with guidance from gender impact assessment consultants and related experts.</p> <p>It also contributes to the <i>La Serena Roadmap for Women and Inclusive Growth (2019–2030)</i>, specifically Section E, which emphasizes advancing women's economic empowerment through data collection and analysis. Additionally, effectively addressing the issue of low participation of women in STEM. This approach supports inclusive human resource development, equipping economies with the necessary skills to achieve "<i>Strong, Balanced, Secure, Sustainable and Inclusive Growth</i>." Ultimately, the project will contribute to accelerating digital transformation by narrowing policy/data gaps and facilitating the flow of Women in STEM data.</p> <p>Furthermore, it presents a valuable opportunity to implement the 2023 ABAC recommendation to "collect and leverage sex-disaggregated data to guide efforts to increase women's participation in STEM education, careers and entrepreneurship".³ Building on the <i>2024 U.S. Monitoring Framework</i> and the <i>2025 Women in STEM Symposium (Korea)</i>, the project will increase the comparability of data across economies.</p>
<p>1c. Alignment to Forum ◆</p>	<p>This project aligns with the <i>PPSTI Strategic Plan for 2016-2025</i>, particularly its third pillar, "<i>Enhancing Regional Science and Technology Connectivity</i>." The project aims to strengthen regional cooperation, promote transparent data sharing, and enhance STI networks.</p> <p>Additionally, the project directly responds to PPSTI's goal of advancing the <i>2019 Women in STEM Principles and Actions</i>, particularly <i>Principle 2(c)</i>, which emphasizes the enhancement of data collection and sharing for women in STEM. This alignment highlights the project's commitment to advancing PPSTI's agenda of building a more inclusive, data-driven, and sustainable STEM ecosystem.</p> <p>Also, <i>China's 2024 APEC Workshop on Women in STEM</i> recommended "promoting gender equality, challenging social stereotypes, leveraging technology to empower women, and supporting research and data collection."⁴</p> <p>Therefore, this project continues a multi-year trajectory that includes the U.S. (2024), China (2024), and Korea (2025), and will serve as a bridge to establish data-based coordination across the region, building upon the achievements of the previous Women in STEM projects.</p>
<p>2. Eligibility and Fund Priorities ◆</p>	

This project is eligible for support under the APEC Support Fund(ASF) Digital Innovation Sub-fund, as it addresses the capacity-building needs of developing APEC economies while directly contributing to priorities for the Internet and Digital Economy.

The project strengthens economies' capacity to collect, analyze, and use sex-disaggregated STEM data, helping to close persistent evidence gaps that contribute to women's underrepresentation in digital and innovation policy design. Through improved data generation and policy use, the project supports more inclusive and evidence-based decision-making.

The project also delivers APEC-wide value added by promoting cross-economy cooperation to share, compare, and benchmark Women in STEM data and practices, addressing challenges related to inconsistent definitions and limited comparability. In doing so, it directly advances the *Internet and Digital Economy Roadmap* priorities of *Enhancing inclusiveness of the Internet and Digital Economy* and *Facilitating the free flow of information and data for the development of the Internet and Digital Economy*, contributing to inclusive digital transformation and innovation outcomes across the region.

3. Capacity Building ♦

*All ASF projects must address capacity building and benefit developing APEC economies. Ensure that these economies are identified.

The project recognizes that developing economies face challenges in addressing women's participation in STEM, such as definitional issues, data reliability, and a lack of policies and resources for regular data collection⁵. Until these challenges are addressed, cross-economy efforts to measure Women in STEM progress and benchmark best practices will be difficult. Therefore, the symposium will primarily support experts, policymakers, and practitioners from these economies.

The APEC 2026 Women in STEM Symposium aligns with all four of APEC's capacity-building goals. First, the project aims to develop policy initiatives that remove barriers facing women and girls in STEM, contributing to sustainable economic growth (Goal 1).

By sharing best practices and developing joint indicators, it will help reduce data and policy gaps across APEC economies (Goal 2).

The project will also work to enhance women's representation and leadership in STEM, ultimately improving the economic and social well-being of APEC citizens (Goal 3).

Finally, by building collaborative frameworks for data sharing and policy development, the project will increase data comparability and strengthen the spirit of community within APEC (Goal 4).

4. Methodology ♦

4a. Work Plan ♦ (add/delete rows as needed)

No.	Start From	Finish By	Activity	Deliverables ♦
1	05-03-2026	06-04-2026	- Submit the Concept Note for endorsement - Revise the CN based on members' feedback	Endorsed Concept Note (incl. co-sponsorship confirmation)
2	06-04-2026	14-04-2026	- Upload the endorsed Concept Note onto APAS	APAS uploaded Concept Note
3	14-04-2026	25-06-2026	- Submit the Project Proposal for endorsement	Endorsed Project Proposal
4	25-06-2026	31-08-2026	- Develop agenda and logistical plan for the event - Invite speakers and participants	General Information Circular(GIC)(incl. confirmed agenda, list of speakers and participants, logistical arrangement)
5	01-09-2026	31-09-2026	- Host the workshop (hybrid) - Conduct post-event survey	- APEC 2026 Women in STEM Symposium (incl. Presentation and discussion) - Attendance list - Post-event survey data
6	01-10-2026	31-10-2026	- Submit the Monitoring Report - Submit the Project final report	- Monitoring Report - Project final report
7	01-11-2026	31-12-2026	- Submit the Completion Report	Completion Report

4b. Beneficiaries ♦

The primary beneficiaries will be government officials, policymakers, researchers, and practitioners from APEC economies who are responsible for

	STEM and gender-related data. The project will focus on individuals from domestic statistical offices, STEM networks, and civil society organizations with a particular emphasis on supporting developing APEC economies. By enhancing the data capabilities of these stakeholders, the project will strengthen APEC's capacity to design data-driven policies through workshops, best practice sharing, and networking. In the long run, this initiative will contribute to empowering women in STEM and help connect APEC economies by developing shared indicators for Women in STEM data.											
4c. Evaluation ◆	Following the event, a project evaluation survey will be conducted to assess participants' satisfaction with the program, expert presentations, materials, and overall organization. The survey results will be reflected in the project summary report. Notably, this event will include an analysis of sex-disaggregated data—reporting results separately for women and men—to ensure that the findings reflect insights and trends specific to women and men.											
	<table border="1"> <thead> <tr> <th data-bbox="430 526 566 560">Category</th> <th data-bbox="574 526 917 560">Evaluation Focus</th> <th data-bbox="925 526 1364 560">Success Indicators</th> </tr> </thead> <tbody> <tr> <td data-bbox="430 571 566 750">Outputs</td> <td data-bbox="574 571 917 750"> <ul style="list-style-type: none"> - Two-day symposium - Project final report </td> <td data-bbox="925 571 1364 750"> <ul style="list-style-type: none"> - # of participants, participating experts, materials developed - # of best practices and recommendations discussed - # of pages in the project summary report, including key event information </td> </tr> <tr> <td data-bbox="430 761 566 1052">Outcomes</td> <td data-bbox="574 761 917 1052"> <ul style="list-style-type: none"> - Strengthened international dialogue and cooperation on sex-disaggregated STEM data among APEC economies - Improved understanding of data-driven approaches to advancing women's participation in STEM </td> <td data-bbox="925 761 1364 1052"> <ul style="list-style-type: none"> - % of participants reporting an increased understanding of the discussed topics - Participant satisfaction with the event - Level of interest and willingness among APEC economies to collaborate on the discussed topics in the future </td> </tr> </tbody> </table>			Category	Evaluation Focus	Success Indicators	Outputs	<ul style="list-style-type: none"> - Two-day symposium - Project final report 	<ul style="list-style-type: none"> - # of participants, participating experts, materials developed - # of best practices and recommendations discussed - # of pages in the project summary report, including key event information 	Outcomes	<ul style="list-style-type: none"> - Strengthened international dialogue and cooperation on sex-disaggregated STEM data among APEC economies - Improved understanding of data-driven approaches to advancing women's participation in STEM 	<ul style="list-style-type: none"> - % of participants reporting an increased understanding of the discussed topics - Participant satisfaction with the event - Level of interest and willingness among APEC economies to collaborate on the discussed topics in the future
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4d. Linkages ◆	This project will be implemented in close collaboration with PPWE to promote cross-sector collaboration and align efforts to update Women in STEM data. Building on the work by the U.S., China, and Korea, it will strengthen the monitoring and evaluation framework without duplicating it. As a core output, the Policy Recommendation Brief will present practical suggestions, serving as a foundation for future development of guidelines and common standards for STEM data collection. The project also suggests future coordination mechanisms, such as the development of an APEC Women and the Economy Dashboard and the option for voluntary annual reporting on core indicators-											
Project Overseer Declaration	<input checked="" type="checkbox"/> I agree to the declaration stated below	Date	05-03-2026									
<p>As Project Overseer and on behalf of the above said Organization, I declare that this submission was prepared in accordance with the Guidebook on APEC Projects (the Guidebook) and any ensuing project will comply with said Guidebook.</p> <p>Failure to do so may result in the BMC denying or revoking funding and/or project approval. I understand that any funds approved are granted on the basis of the information in the document's budget table, in the case of any inconsistencies within the document. By submitting this APEC Concept Note to the APEC Secretariat, you (each Project Overseer or point of contact) agree that the APEC Secretariat will collect, use, disclose, and transmit the data contained in the APEC Concept Note, which you have provided to the APEC Secretariat, in accordance with the Singapore's Personal Data Protection Act 2012 and the APEC Secretariat's data protection policy (https://www.apec.org/PrivacyPolicy). The APEC Secretariat will transfer any data provided in this form, which may contain personal data of Project Overseer(s), to APEC member economies overseas</p>												

via the APEC Secretariat.

Project Alignment to APEC's Putrajaya Vision 2040 & Aotearoa Plan of Action

All APEC projects must align with the **Putrajaya Vision 2040 (PV 2040)** and **Aotearoa Plan of Action (APA)**. The **table** below lists the **10 APA Objectives** under the **3 PV 2040 Drivers**. Please select one Primary Objective your project most closely aligns with. You may also select one (optional) Secondary Objective, from the same or a different PV 2040 Driver.

Primary Objective	3.2 Human resource development and skills for the future
Secondary Objective (optional)	2.3 Digital infrastructure and transformation

Table of PV 2040 Drivers and APA Objectives

(To see **PV 2040** in full, [click here](#). To see **APA** in full, [click here](#).)

Driver 1 Trade and Investment

Objective: *Regional trade and investment*

1. "To ensure that the Asia-Pacific remains the world's most dynamic and interconnected regional economy, we acknowledge the importance of, and will continue to work together to deliver, a free, open, fair, non-discriminatory, transparent and predictable trade and investment environment."

Objective: *Multilateral trading system and international trade flows*

1. "We reaffirm our support for agreed upon rules of the WTO in delivering a well-functioning multilateral trading system and promoting the stability and predictability of international trade flows."

Objective: *Bogor Goals and economic integration in the region*

1. "We will further advance the Bogor Goals and economic integration in the region in a manner that is market-driven, including through the work on the Free Trade Area of the Asia-Pacific (FTAAP) agenda which contributes to high standard and comprehensive regional undertakings."

Objective: *Connectivity and supply chains*

1. "We will promote seamless connectivity, resilient supply chains and responsible business conduct."

Driver 2 Innovation and Digitalization

Objective: *Structural reforms and innovation*

2. "We will pursue structural reforms and sound economic policies to promote innovation as well as improve productivity and dynamism."

Objective: *Digital economy and global interconnectedness*

2. "To empower all our people and businesses to participate and grow in an interconnected global economy, we will foster an enabling environment that is, among others, market-driven and supported by digital economy and innovation."

Objective: *Digital infrastructure and transformation*

2. "We will strengthen digital infrastructure, accelerate digital transformation, narrow the digital divide, as well as cooperate on facilitating the flow of data and strengthening consumer and business trust in digital transactions."

Driver 3 Strong, Balanced, Secure, Sustainable and Inclusive Growth

Objective: *Economic resilience and health & wellbeing inclusiveness*

3. "To ensure that the Asia-Pacific region is resilient to shocks, crises, pandemics and other emergencies, we will foster quality growth that brings palpable benefits and greater health and wellbeing to all, including MSMEs, women and others with untapped economic potential."

Objective: *Human resource development and skills for the future*

3. "We will intensify inclusive human resource development as well as economic and technical cooperation to better equip our people with the skills and knowledge for the future."

Objective: *Environmental & climate challenges and natural disasters*

3. "We will promote economic policies, cooperation and growth, which will support global efforts to comprehensively address all environmental challenges, including climate change, extreme weather and natural disasters, for a sustainable planet."

Note: You are encouraged to elaborate on how your project aligns with the selected Objective(s) above in section **1(b) Relevance – Alignment to APEC** of the Concept Note (page 2).

¹ USAID. APEC WOMEN IN STEM PRINCIPLES AND ACTION MONITORING FRAMEWORK. March 2024.

² *Ibid.*

³ ABAC. Report to APEC Economic Leaders. November 2023. <https://abac.ph/2023/11/16/abac-2023-report-to-apec-leaders/>

⁴ SCE & PPSTI. Women in Science, Technology, Engineering, and Mathematics (STEM) in the Asia-Pacific. May 2025. [https://apec.org/publications/2025/05/women-in-science--technology--engineering--and-mathematics-\(stem\)-in-the-asia-pacific](https://apec.org/publications/2025/05/women-in-science--technology--engineering--and-mathematics-(stem)-in-the-asia-pacific)

⁵ *Ibid.*, 10.