



ที่ อว ๐๒๐๒.๔/ว๑๔๖๒๐

ถึง หน่วยงานในสังกัด อว.

ด้วยสำนักเลขาธิการอาเซียน (ASEAN Secretariat) ร่วมกับ UL Research Institutes, UL Standards & Engagement และ US-ASEAN Business Council แจ้งประชาสัมพันธ์โครงการ UL Research Institutes' ASEAN-U.S. Science Prize for Women 2025 โดยมีวัตถุประสงค์เพื่อเปิดโอกาสให้นักวิทยาศาสตร์ เพศหญิงจากประเทศสมาชิกอาเซียน แบ่งเป็น นักวิทยาศาสตร์รุ่นกลาง (Mid-career Scientist) และนักวิทยาศาสตร์อาวุโส (Senior Scientist) ส่งผลงานวิจัยและประวัติความเชี่ยวชาญด้านวิทยาศาสตร์ภายใต้หัวข้อ Generative AI for Smart Water Management เพื่อร่วมสมัครเข้ารับรางวัล ASEAN-U.S. Science Prize for Women 2025 สำหรับผู้ชนะของแต่ละประเภทจะได้รับรางวัลเป็นเงิน จำนวน ๑๒,๕๐๐ เหรียญสหรัฐ และมีรางวัลชมเชย สำหรับผู้ที่มีผลงานโดดเด่นของแต่ละประเภทเป็นเงิน จำนวน ๕,๐๐๐ เหรียญสหรัฐ

ในการนี้ สำนักงานปลัดกระทรวงการอุดมศึกษา วิทยาศาสตร์ วิจัยและนวัตกรรม พิจารณาแล้ว เห็นว่า กิจกรรมดังกล่าวจะเป็นประโยชน์ต่อบุคลากรของหน่วยงาน จึงขอความร่วมมือหน่วยงานพิจารณาประชาสัมพันธ์กิจกรรมข้างต้นไปยังผู้สนใจ โดยผู้สนใจสามารถศึกษาคุณสมบัติผู้สมัครและรายละเอียดเพิ่มเติมได้ที่ QR code ด้านล่าง หรือที่เว็บไซต์ <https://scienceprize4women.asean.org> และสมัครผ่านระบบออนไลน์ได้ที่เว็บไซต์ดังกล่าวตามแบบฟอร์มที่กำหนด พร้อมส่งเอกสารประกอบการสมัครไปยังไปรษณีย์อิเล็กทรอนิกส์ที่ scienceprize4women@gmail.com ภายในวันพุธที่ ๒๐ สิงหาคม ๒๕๖๘

จึงเรียนมาเพื่อโปรดพิจารณา

สำนักงานปลัดกระทรวงการอุดมศึกษา
วิทยาศาสตร์ วิจัยและนวัตกรรม

๒๔ มิถุนายน ๒๕๖๘



กองการต่างประเทศ

กลุ่มขับเคลื่อน อววน. ระหว่างประเทศ

โทร. ๐ ๒๖๑๐ ๕๔๐๘ (ชนพร)

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Concept Note

UL Research Institutes' ASEAN-U.S. Science Prize for Women 2025 “Generative AI for Smart Water Management”(*)

Summary Description of the Proposed Activity

The UL Research Institutes' ASEAN-U.S. [Science Prize for Women](#) (hereinafter Science Prize) will honor women scientists in two categories: Mid-career Scientists and Senior Scientists, for outstanding research in two theme areas, to be decided. The Science Prize will be a partnership between UL Research Institutes (hereinafter ULRI), UL Standards & Engagement (hereinafter ULSE), the US-ASEAN Business Council (hereinafter USABC), Google and Committee on Science, Technology and Innovation (hereinafter COSTI). The Science Prize will be implemented by USABC and the ASEAN Secretariat Science and Technology Division (hereinafter S&TD).

This year's theme is “**Generative AI for Smart Water Management**”, focusing on the application of generative AI technologies to enhance water resource management, improve efficiency, and address water-related challenges in the ASEAN region.

Background

The Science Prize started in 2014 and has been implemented annually since 2016. The Science prize has focused on recognizing mid-career women scientists who have made significant contributions in the Science, Technology, Engineering and Mathematics (STEM) fields and have acted as mentor to other women considering careers in STEM fields. Since the Prize started, more than 418 women have submitted eligible applications for the Science Prize and there have been fourteen winners and thirteen honorable mention recipients.

ULRI has provided experts during the judging process, helped promote women in STEM in ASEAN, and sponsored the Science Prize by providing the cash award since its inception. This year, ULSE and USABC are to provide logistical support for the Science Prize and to cover the costs of bringing the Regional Finalists to the for final judging and the award ceremony during ASEAN-U.S. Consultation on Science and Technology (AUSCST) or the Meeting of Committee on Science, Technology and Innovation (COSTI) Meeting and/or ASEAN Ministerial Meeting on Science, Technology and Innovation (AMMSTI).

Activity Proposal

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The Science Prize will be divided into two categories, one for Mid-career Scientists (45 years old or younger) and one for Senior Scientists (46 years old or older). The applicants will be judged on their contributions to the selected scientific theme, as well as their efforts to mentor other women scientists. The proposed rules of the competition and judging process are set out in the Appendix of this Concept Note.

Responsibilities

The responsibility of this Activity is outlined below:

S&TD ASEAN Secretariat	ULRI & ULSE	USABC	COSTI Indonesia
Role: Lead implementation and coordination	Role: Co-lead implementation, Prize provider and strategic partner	Role: Strategic partner, key supporter and facilitator	Role: Co-lead of the implementation from ASEAN Member States
Responsibilities: <ul style="list-style-type: none"> · Coordinate with ASEC, UL, USABC during the implementation · Coordinate with COSTI and its members · Propose themes aligned with economic and STI trends · Identify and engage relevant stakeholders and applicants · Organize and oversee stages of the Prize, including application processing and finalist selection (scoring & voting) 	Responsibilities: <ul style="list-style-type: none"> · Propose and approve proposed themes, and ensure alignment with UL priorities · Develop and manage timelines and progress · Prepare press releases and promotional materials · Identify and engage relevant stakeholders and applicants · Manage the Science Prize Gmail account and website 	Responsibilities: <ul style="list-style-type: none"> · Identify and engage relevant stakeholders and applicants · Prepare press releases and promotional materials · Manage the Science Prize Gmail account and website · Update the Prize website and social media platforms (LinkedIn and X) · Collecting applicants (forms and reference letters) · Support the judging and awarding session 	Responsibilities: <ul style="list-style-type: none"> • Coordinate with ASEC, UL, USABC during the implementation · Organize and oversee stages of the Prize, including application processing and finalist selection (scoring & voting) · Manage judging sessions and manage results · Manage the judging and

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<ul style="list-style-type: none"> · Manage judging sessions and manage results · Manage the judging and awarding session implementation · Prepare and release announcements for finalists and winners · Ensure smooth handover of program resources (email, website, social media) 	<ul style="list-style-type: none"> · Update the Prize website and Youtube · Support the development of promotional and operational materials · Collecting applications (forms and reference letters) · Oversee applicant screening and document eligibility · Participate in judging and selection processes for finalists and winners · Co-organize stages of the Prize, including application processing and finalist selection (scoring & voting) · Co-manage judging sessions, results awarding session implementation · Provide expertise and resources for 		<p>awarding session implementation</p>
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	<p>vetting applicants from specific AMS</p> <ul style="list-style-type: none"> · Ensure smooth transition to next year's Prize · Provide financial and strategic support for the program 		
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Notional Schedule(**)

Activities	Description	Notional Dates
Launch of the Prize	Coordination for e-launching of the Prize.	By second week of July 2025
Acceptance of Applications	Coordination for the acceptance of applications, respond to any queries, collect all applicant documents, and send notifications to applicants.	Until 20 August 2025
Eligibility Screening	Screening process to check the eligibility of applicants and determine who is eligible for the Prize.	Rolling deadline with acceptance of applications, screened by 31 August 2025
Selection of National Finalists	Preparation of eligible applicants to be sent to ASEC, who will then forward applicants to AMS for the selection of a National Finalist for each country. Each AMS will recommend one National Finalist to ASEC.	By 15 September 2025
Creation and Submission of Videos	Each National Finalist will submit one three-minute video to showcase their work.	16-30 September 2025
Selection of Regional Finalists	Evaluation of videos, documents, and references to elect the two Regional Finalists for each category.	1-9 October 2025
Notification of Regional Finalists	ASEC to notify the Regional Finalists that they have been selected for the next round of the competition, Regional Finalists will be asked to prepare a presentation to be used in the judging session.	10 October 2025

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Selection of Winner	The two Regional Finalists for each category will be invited to attend the ASEAN-US Consultation Meeting on ST&I to compete a head-to-head pitch competition. Voting will be conducted by a secret ballot after presentations by all of the Regional Finalists. The result of this voting process will be announced at the Gala Dinner at the ASEAN-US Consultation on Science, Technology and Innovation (AUSCST) or the Meeting of Committee on Science, Technology and Innovation (COSTI) and/or ASEAN Ministerial Meeting on Science, Technology and Innovation (AMMSTI). where the winner will receive their respective awards.	In the week of 20-24 October 2025
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Activity Purpose

The Science Prize is designed to recognize the role that women play in scientific research in the ASEAN region by recognizing women scientists for their contribution to a selected field of research and for their role in mentoring and supporting other women interested in careers in science.

Beyond recognizing the accomplishments of the women who enter the competition, the Science Prize is also designed to encourage more females from the ten ASEAN Member States to pursue careers in science, technology and innovation.

Activity Funding

ULSE and USABC will cover the operational costs of organizing the Science Prize. This will include the staff support needed and travel costs to bring the four Regional Finalists and project staff to the judging session and prize award ceremony.

ULRI will provide USD 35,000 in total cash reward for the 2025 winners, including USD 12,500 for winners from each category (ie. Mid-career and Senior), and USD 5,000 for Honorable Mentions from each category.

COSTI and the ASEAN Secretariat's S&TD will provide administrative support to facilitate the implementation of the Science Prize, from assisting with publicity to judging session and arranging the final award ceremony. The host country of COSTI-88** will provide logistical support including

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the venue for the final judging session and award ceremony. The award will be presented at the Gala Dinner at the ASEAN-U.S. Consultation on Science and Technology (AUSCST), or the Meeting of Committee on Science, Technology and Innovation (COSTI) and/or ASEAN Ministerial Meeting on Science, Technology and Innovation (AMMSTI).

Selection Scheme for the Themes

Themes for the Science Prize have typically been selected between one or two years before the Science Prize implementation. The themes were typically discussed first during the COSTI meeting through a quick brainstorming among COSTI members. Afterwards, the themes were proposed to the ASEAN – U.S. Consultation Meeting on Science, Technology and Innovation (AUSCST), where the final themes were selected. The 2025 theme, Generative AI for Smart Water Management, was selected by COSTI via ad referendum basis on 17 December 2024.

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Appendix Rules for the UL Research Institutes' ASEAN-U.S. Science Prize for Women

A. Eligibility

In order to participate in the Prize, applicants must meet all of the following criteria:

- A female professional working in applied science;
- A citizen of an ASEAN member state;
- A holder of a PhD or the equivalent of a doctoral degree in another field. Applicants who are candidates for, or in process of pursuing, a PhD or doctoral degree are not eligible;
- To qualify for the Mid-career Scientist category, the applicant must be 45 years or below at the time of the close of the application period;
- To qualify for the Senior Scientist category, the applicant must be aged 46 or older at the time of the close of the application period.

B. Application Requirements

In order to be considered for the Science Prize, regardless of the category, applicants should submit the following:

1. A completed application form (all questions must be answered)
2. A curriculum vitae (CV)
3. A letter of recommendation submitted by an academic or professional contact.
4. A letter of support submitted by a mentee or other women who have been impacted by the applicant.

Documents 1 and 2 are to be submitted online at www.scienceprize4women.asean.org.

Documents 3 and 4 are to be emailed directly to scienceprize4women@gmail.com by the referees.

All four documents (application form, CV and two letters of recommendation) must be received by the Prize administrations before the application submission deadline for an application to be considered.

C. Review Process

Review process and its selection criteria for the two categories are set out below.

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Eligibility review – Once the application window has closed, the Prize administrators will review each application to verify that it is complete, and that the applicant meets the basic qualifications for the Science Prize. Examples of factors that will disqualify an applicant are: 1) question(s) unanswered; 2) not submitting the required documents; or 3) not meeting the eligibility requirements above.

The pool of eligible applicants will then pass through a three-phase process:

Phase 1 – Selection of the National Finalists for each category – One Mid-career Scientist and one Senior Scientist from each ASEAN Member State.

Each AMS will review all eligible applications in each category and select its National Finalists using the evaluation criteria set out below. The decision of the AMS is final. Prize administrators will notify each national finalist of her status by [Date of the announcement]. Upon receiving word of her selection, each National Finalist will be asked to submit a video (no more than 3 minutes) for the next phase of the judging process. National Finalists will have one to two weeks from the time of notice to submit videos. These videos will also be utilized in a YouTube and social media campaign to highlight the work of each of the anticipated twenty National Finalists. National Finalists will receive further detail of what should be included in their video upon notification of being named a National Finalist.

Phase 2 – Selection of two Regional Finalists for each category. ULRI, ULSE, USABC, and the ASEAN Secretariat will review the videos, documents and references to select the two Regional Finalists in each category based on a pre-determined set of evaluation criteria, which are set out below. Scores from the three judges will be tabulated by ASEAN and USABC to determine the two Regional Finalists based on the highest two scoring National Finalists for each category.

The two Regional Finalists for each category will be asked to prepare an abstract of their research, a resume, and a presentation to be used in the final pitch competition.

Phase 3 – Selection of Winner for each category. This will be done via an in-person pitch competition at the ASEAN-US Consultation on Science, Technology and Innovation (AUSCST) or the Meeting of Committee on Science, Technology and Innovation (COSTI) and or the ASEAN Ministerial Meeting on Science, Technology and Innovation (AMMSTI).

The two Regional Finalists from each of the categories will compete in a pitch competition. The pitch competition will determine the overall winner for each category. Each Regional Finalist will be given 5 minutes to make her pitch on her work using the presentation that each will prepare. Each Regional Finalist will be given five minutes to answer questions from the judging panel.

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The judges at this stage will consist of National COSTI Chairs (or their designated representatives) from each ASEAN Member State, USABC, ULRI, ULSE, and the ASEAN Secretariat. Judging will be based on the quality of the presentations, videos, resumes, and abstracts. The Regional Finalist in each category receiving the highest number of votes will be the winner.

The Science Prize will be awarded at the ASEAN-US Consultation on Science, Technology and Innovation (AUSCST) or the Meeting of Committee on Science, Technology and Innovation (COSTI) and or the ASEAN Ministerial Meeting on Science, Technology and Innovation (AMMSTI). At the event, the winner from each category will receive a prize of \$12,500 for the Senior Scientist and \$12,500 for the Mid-career Scientist, a certificate, and a physical commemorative award.

All National Finalists will receive a certificate documenting their selection as National Finalist. The winners of the Honorable Mention will also receive a cash reward of USD 5,000 each and a certificate acknowledging the selection as an Honorable Mention.

D. Evaluation Criteria

The evaluation criteria and scoring for the Science Prize are set out below. A total of 100 points are possible with the completion of the application.

Scientific Excellence (50 pts)

1. Applicant clearly shows that her research that is relevant to the year's theme and demonstrates not only a strong understanding of the scientific subject, but specifically how her research, technology or business model relates to that theme. (20 pts)
2. Applicant provides examples of relevant and impactful awards or merits for her work. Higher scores will be reserved for well-established awards. (10 pts)
3. Applicant's work appears to be highly regarded by peers. Think about: Has she been featured in media placements, policy briefs, or academic journals? Does her work suggest that she is an influencer in the field? (10 pts)
4. Applicant outlines clear areas for growth potential in her career. Applicant demonstrates excitement, passion, and motivation for her field of work. Higher scores will be reserved for applicants who specifically demonstrate how they will improve their work on the subject of the theme of the year. (10 pts)

Mentoring, inspiring, and supporting women and up-and-coming female members of the STEM community (25 pts)

1. Applicant shows clear level of involvement in mentoring, supporting and/or empowering female students, colleagues or other women in STEM. Applicant provides

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specific examples when possible and demonstrates passion and drive to create a gender-inclusive STEM environment. (10 pts)

2. Applicant clearly demonstrates how her work accounts for gender in the Prize theme for that year. She explains how her work specifically enables women to be change agents in the field of that year's theme. (9 pts)
3. Applicant provides examples of how she strives to improve opportunities for women in STEM. Applicant should note any involvement in/with or membership in organizations focused on gender inclusivity. Applicant provides details about the organization and her unique role/contribution. (6 pts)

Global Citizen (25 pts)

1. Applicant shows a strong connection between her work and improvements in the year's theme in ASEAN as a region. Applicant demonstrates how she uses science, technology and innovation to achieve these goals. (10 pts)
2. Applicant demonstrates an active role in scientific collaboration with scientists/scientific communities of practice across ASEAN to improve the regional value chain as a whole. Higher points will be awarded to applicants who provide concrete examples of collaboration. (9 pts)
3. Applicant shows how her work impacts her local community, country and the greater ASEAN region. Applicant provides examples where possible. Applicant sees larger role for her work across the greater ASEAN region and the world. (6 pts)

E. Publicity Consent

By submitting an entry application or accepting a prize, each candidate grants to ASEAN, ULRI, ULSE, and USABC the irrevocable right without any further notice, review or consent to print, publish, broadcast, distribute, and use, worldwide in any media now known or hereafter developed including, but not limited to, the World Wide Web, in perpetuity and throughout the universe, including without limitation, the entry and candidate's name, portrait, picture, voice, likeness, image or statement about the contest, and biographical information as news or publicity or information and for trade, advertising, public relations and promotional purposes without any further compensation, that are related to or pertaining to the Prize.

F. Disclaimers

- The Prize administrators may cancel solicitation and not make an award.
- The Prize administrators may reject any or all responses received according to the rules above.
- Issuance of solicitation does not constitute an award commitment.
- The Prize administrators reserve the right to disqualify any application based on candidate's failure to follow solicitation instructions.

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- The Prize administrators will not compensate applicants for responding to the solicitation.

G. Funding and Transfer of Award

The transfer of the Prize funds will be directly from ULRI.

USABC will cover the travel and lodging expenses as well as meal provisions for the four winners to the judging session and award ceremony at the ASEAN-US Consultation on Science, Technology and Innovation (AUSCST) or the Meeting of Committee on Science, Technology and Innovation (COSTI) and/or ASEAN Ministerial Meeting on Science, Technology and Innovation (AMMSTI).

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