

The Environmental Protection Administration

Sustainability and Innovation Soil and Groundwater Remediation Research Competition Application guide

I. Purpose

The Sustainable Development Goals (SDGs) proposed by the United Nations have become the global action direction to promote sustainable development. This competition sets “**sustainable innovation in soil and groundwater**” as the topic, through the ASEAN National Soil and Groundwater forum, to inspire reflection and thinking of environment protection for ASEAN National and Taiwan postgraduate students (including master and doctoral). Students to take action on soil and groundwater protection and propose practical solutions for soil and groundwater problems. Through the practical application of the competition, participants are hoped to work towards sustainable development and cultivate soil and water talents jointly in Taiwan and ASEAN countries.

II. Handling Unit

A. Organizer: The Soil and Groundwater Remediation Fund Management Board

B. Implementer: The Taiwan Environmental Sustainable Development (TESD) Foundation

III. Competition description

Participating teams in the “Sustainable Innovation Soil and Groundwater Remediation Research Competition” must participate in a series of “Soil and Groundwater Forum and on-site Visiting for ASEAN students” event organized by the Environmental Protection Administration. After understanding the soil and water-related policies and practical technologies, focusing on the topic of “**sustainable innovation in soil and groundwater remediation thinking**”, and propose (1) research aspects: practical solutions for innovative technologies or (2) management aspects: environmental protection policies and strategies are proposed as the results. Results must be presented in the form of actual finished product presentations or briefings for scoring consideration by the competition committee.

IV. Participants and qualifications

- A. The team must participate in one of the Northern and Southern events - “Soil and Groundwater Forum and on-site Visiting for ASEAN students” activities organized by The Soil and Groundwater Remediation Fund Management Board of the Environmental Protection Administration of the Executive Yuan.
- B. When registering or during in the competition, you must have the qualifications of foreign graduate students from ASEAN countries or Taiwanese graduate students (including master and doctoral) from public and private colleges and universities in Taiwan.
- C. Participants must form a “joint team” to register. The team must include the following members: At least half of the members must be foreign graduate students from ASEAN countries, and at most two Taiwanese graduate students. Teams can be formed across schools or departments and elect one captain and sign up. Each person is limited to participating in one team.

V. Registration and overall schedule

Matter	Date	Content
Registration	Deadline: Friday, August 12, 2022, before 5:00 pm.	<ol style="list-style-type: none"> 1. Registration guide for the 2022 Soil and Groundwater Conference (including forum, on-site visits, and research competitions). 2. Event registration URL: https://forms.gle/rQXJPcCWauZPJb8L7 3. Each team captain register online, and fill in the basic information of the team and members. <div style="text-align: center;">  <p>QR-CODE</p> </div> <ol style="list-style-type: none"> 4. On-site registration will not be accepted to consider the quality of the conference activities.
Session 1 - Northern District forum and site	Wednesday, August 24, 2022, to Thursday, August	※ Accommodation on the first day (August 24) will be arranged by the

Matter	Date	Content
visits	25, 2022.	organizer.
Session 2 - Southern District forum and site visits	Thursday, September 29, 2022, to Friday, September 30, 2022.	※ Accommodation on the first day (September 29) will be arranged by the organizer.
<u>Research Competition</u> – First review Documents submission period	Monday, October 17, 2022, to Monday, October 31, 2022, at 5:00 pm.	Competition submission documents: submit the documents through the URL: https://forms.gle/d1BPJZQ7ajiY6c4C7 And the top 10 groups will be selected by the competition committee to participate in the finals.  QR-CODE
<u>Research Competition</u> - Notice of Finals	Wednesday, November 30, 2022	Announce the results of the preliminary round of the Sustainability and Innovation Soil and Groundwater Remediation Research Competition and notify the participating teams that enter the finals.
<u>Research Competition</u> - Finals (Competition day)	Friday, December 23, 2022.	Holding the finals and Scoring of “the Sustainability and Innovation Soil and Groundwater Remediation Research Competition”.
<u>Research Competition</u> - Awards Ceremony	Friday, January 13, 2023.	The Awards Ceremony of the finals will announce winner lists and awards in a “New Southbound National Forum” by the organizer.

※The actual schedule will be announced by the organizer.

VI. Competition rules

A. Competition Committee:

The ASEAN Partnership Strategy Group (representatives from industry, government, and academia), composed of the projects, will form a committee of three members and conduct a two-stage scoring of the preliminary round and final.

B. Scoring criteria :

1. Preliminary round: The participating teams upload the Preliminary round documents within the regulated time, and the materials will be reviewed by (1) theme suitability, (2) Innovation in Proposal, and (3) Team execution and feasibility. And the top 10 teams will be selected by the committee to enter the finals.
2. Finals: The **briefing presentation** or **actual products** provided by the teams as the main final content. The final review will focus on (1) theme suitability, (2) Innovation in Proposal, (3) method, (4) feasibility, and (5) Presentation (the presentation time is limited to 10 minutes, the committee will ask questions and reply within 10 minutes) for scoring. The Awards Ceremony of the finals will announce winner lists and awards in a “New Southbound National Forum” by the organizer.

VII. Submission of documents

- A. Preliminary round documents: Please submit the documents to the URL: <https://forms.gle/d1BPJZQ7ajiY6c4C7> within the submission period. The limit is no more than 5 pages. Please submit both your Word file and a PDF file named by Subject, Institution and Team Name (e.g. Soil and groundwater_CYCUEE_BEE Team). **The documents submitted in the preliminary round are as follows:**
 1. Origin
 2. Content proposal for sustainable innovation of soil and groundwater remediation thinking
 3. Specific methods (1) Research aspect: practical solutions for innovative technologies or (2) Management aspect: environmental protection policy strategies.
 4. Expected goals and benefits
- B. Finals: Please provide a briefing presentation or actual finished products on the day of the competition.

VIII. Scoring criteria

- A. The ranking method is adopted for the selection. The committee should score each item separately, and get the total score. The total score will be converted into rank.
- B. If the rank is the same, the score item of “theme suitability” ranking will be the basis to judge the winner; if the ranking is the same again, the score item of “innovation-related” will be the basis to judge.

The scoring items in the preliminary round			
No.	Scoring items	Proportion	Content
1	Theme suitability*	30%	Consistent with soil and groundwater content and the purpose of remediation.
2	Innovation in Proposal**	40%	Innovation and creative performance.
3	Team execution and feasibility	30%	The rationality and practical feasibility of benefit assessment.

Note 1 : * It is the first scoring item when the ranking is the same.

Note 2 : ** It is the second scoring item when ranking is the same.

The scoring items in the finals			
No.	Scoring items	Proportion	Content
1	Theme suitability *	20%	Consistent with soil and groundwater content and the purpose of remediation.
2	Innovation in Proposal**	20%	Innovation and creative performance.
3	Method	20%	(1) Research aspect: practical solutions for innovative technologies (2) Management aspect: environmental protection policies and strategies.
4	Feasibility	20%	The rationality and practical feasibility of benefit assessment
5	Presentation	20%	Briefing presentation, oral presentation, spontaneous response

Note 1 : * It is the first scoring item when the ranking is the same.

Note 2 : ** It is the second scoring item when ranking is the same.

IX. Subsidy and Awards

A. Subsidy items: the transportation expenses for the long-distance bus or Taiwan Railways for each session of “Sustainable Innovation Soil and Groundwater Remediation Research Competition” (with Express train of Tze-Chiang as the subsidy ceiling) will be subsidized, other transportation means will not be subsidized. 【Please send the ticket stub, transportation fee receipt information (such as Annex IV) and a photocopy of the personal account cover within two weeks after the event ends to Hsin-Tzu Tai, Department of Environment Engineering, Chung Yuan Christian University, Room110 Bio-science and Technology Building, No. 200, Zhongbei Rd., Zhongli Dist., Taoyuan City 320314, Taiwan (R.O.C.) The transportation fee will be subsidized after receiving the information and confirming that it is correct.】

B. Awards :

“The Sustainable Innovation Soil and Groundwater Remediation Technology Research Competition” awards are as follows and will be presented at the New Southbound National Forum.

- 1.Outstanding Prize (1 team): a gift certificate or equivalent prize (NTD 50,000) and a certificate of award.
- 2.Wonderful Prize (1 team): a gift certificate or equivalent prize (NTD 20,000) and a certificate of award.
- 3.Excellent Prize (1 team): a gift certificate or equivalent prize (NTD 10,000) and a certificate of award.
- 4.Superior Prize (2 teams): a gift certificate or equivalent prize (NTD 5,000) and a certificate of award.

X. Precautions for participation

- A. Team names and team members cannot be modified or replaced after the registration deadline; the organizer reserves the right to refuse to accept any additions to the list of team members after the finalists are selected or the winners’ list is announced.
- B. When registering, please fill in your frequently used email address and contact number (such as mobile phone number). Important information about the competition will be sent to this mailbox in the future, including the finalist selection and the notification of the award ceremony.
- C. To protect the rights and obligations and intellectual property rights of all

participating teams, please fill in the “ Authorization Consent Form and Intellectual Property Rights”. (such as Annex I and Annex II). Provide organizers and executive units to promote soil and groundwater protection and permanent non-profit use.

- D. Entries should conform to the subject of the call for submissions and the acceptance specifications, should not violate laws, infringe or impede public order and good morals, and should be limited to works that have not been published publicly (the definition of "publicly published": the entries must not have been published in any form, published in various The works of the media, including all or part of the content of the works, shall not be disclosed to the public in print, online, social media or in other ways, nor shall they be repeatedly submitted or contested on various media.
- E. Those who plagiarize or copy others, infringe others' copyrights or whose copyrights are unknown, participate in other competitions at the same time, and do not meet the relevant regulations of this selection, if they are reported and verified to be true, the organizer has the right to revoke the termination qualification. It will be recovered. If there is any violation of the law, all legal responsibilities shall be borne by the participating teams themselves.
- F. Entries include references to other people's works or materials. Please explain in detail or indicate the source.
- G. All materials or works submitted during the competition will not be returned. If necessary, please back up the team.
- H. The recipient of the prize is an individual residing in the Republic of China, and the prize money shall be withheld 10% of the income tax in accordance with the provisions of the Income Tax Law for various types of income withholding rates. Those whose tax amount is less than NT\$2,000 will be exempted from withholding; the recipient of the prize is a foreign national and if they stay in the territory of the Republic of China for more than 183 days, 10% of the income tax shall be withheld from the winnings and prizes according to the income tax withholding rate standard stipulated in the Income Tax Law. Regardless of the value of the prizes, 10% of the tax shall be withheld from the winnings; Prize recipients are individuals who are not residing in the Republic of China (i.e., nationals and foreigners who have resided in the Republic of China for less than 183 days). Regardless of the value of the prize, a 20% tax will be withheld on the winnings.
- I. The winning team will send a representative from each team to fill in the winning

receipt, and the organizer will provide the following two information off to the captain by email two weeks ago (1) The consent form of the award representative (or the replacement of the award representative consent form) (such as [Annex III](#)) and (2) Receipt of the award (such as [Annex V](#)), please print out and sign the award receipt and send it to 32023桃園市中壢區中北路200號生物科技館110室戴欣姿小姐收. If the representative is unable to claim the prize for any reason, other members of the team will jointly sign and agree to replace the representative to claim the prize.

XI. Others

- A. If the selected team is unable to participate in the competition review for some reason, the organizer will notify the alternative team to participate in the review.
- B. The finals for the teams that were not selected, the organizer will provide a certificate of participation for encouragement.
- C. The organizer reserves the right to change and explain the program content and event schedule. Matters not covered shall be handled according to relevant laws and regulations; those participating in this competition agree to accept all specifications.
- D. The Central Epidemic Command Center stated on April 15, 2022, that the threat of the new variant of Omicron has not yet eased as the local epidemic continues to increase, and the imported cases are still high. In order to protect the health of the employees and the participants, we need to strengthen the third dose of the COVID-19 vaccine for high-risk places (domains).
 - 1. Participants (including staff and the public) who meet the vaccination age must complete the COVID-19 vaccine booster (third dose) vaccination. Please provide proof of receiving the third dose of the vaccine, especially for those who were exposed to activities that include contact with unknown people or activities, such as religious activities (passing around the border, participating in incense groups), group tours (contracted by travel agencies), and participating in tours where members belong to unspecified people, gyms and eight major industries (implemented since April 1).
 - 2. If the person is evaluated by a doctor and issued a certificate that the COVID-19 vaccine is not recommended (for example case where the doctor has confirmed that there are contraindications to all COVID-19 vaccines authorized for use in China or serious adverse reactions have occurred, therefore the vaccination is not

recommended), please provide the issuance certificate that the vaccine cannot be administered. Also, provide a photo of your proof of the negative antigen rapid screening (including household rapid screening) 3 days before the day of the event. The proof must include images of the test result of the reagent, the test date, and the name.

3. The regulations of participation in activities will be adjusted in accordance with Central Epidemic Command Center.

XII. Competition Contact Information

A. Contact person: Hsin-Tzu Tai, Assistant, The Taiwan Environmental Sustainable Development (TESD) Foundation

B. Contact number: 03-2654909

C. Email: hsin-tzu-tai@cycu.org.tw

Annex I : Authorization Consent Form

**“Sustainable Innovation Soil and Groundwater Remediation
Research Competition”
Authorization Consent Form**

Title : _____

- A. Authors participating in the competition must agree to authorize their works for free, permanently and non-exclusively to the Environmental Protection Administration of the Executive Yuan (from now on referred to as the Environmental Protection Administration) and its entrusted consortium legal person, Environmental Sustainability Development Foundation (from now on referred to as the Association) to do the following: use :
1. Published in paper or digital form.
 2. It can be used for the digital collection, reproduction, public transmission through the network, printing, browsing, etc.
 3. Cooperate with marketing promotion to include this article in the database or other channels to provide services.
 4. To meet the business needs entrusted to the Association by the Environmental Protection Administration, the Association may change the format.
 5. Publish works in various forms, provide public screening, public broadcasting, and online reading for teaching, research and public service purposes for wide publicity.
 6. For teaching and research needs, the EPD may reproduce the work.
 7. I guarantee that the work is my own creation, the same work has been published, won awards in other competitions or is under review, and I will take the initiative to inform the Environmental Protection Administration (organizer) as an important reference for the review.
- B. The author guarantees that the design work is created by himself and has the right to obtain the authorization of this agreement. In addition, you should ensure that the authorized works do not infringe on the intellectual property rights of any third party. If the works are untrue and infringe on the copyrights of others and other laws and regulations. In that case, the relevant legal liabilities and losses shall be borne by me and compensated by myself. This consent form is a non-exclusive license, and the author has the right to authorize others to use the design work.
- C. If this work should be signed by all authors. If signed by a single author representative, the signed author warrants that the other co-authors have been notified of the terms of this agreement and that all co-authors are authorized to sign this agreement on their behalf.

Sincerely,

The Taiwan Environmental Sustainable Development (TESD) Foundation

The person who signed the consent (leader) : _____ (Signature)

Identity card number (residence card number or passport number) :

Phone number:

E-mail :

Contact address :

Date: (year) (month) (day)

Annex II : Intellectual Property Rights

**“Sustainable Innovation Soil and Groundwater Remediation
Research Competition”
Intellectual property rights**

This work _____ is indeed created by me/the team I belong to, and it does not violate the relevant provisions of the patent law, copyright law or other intellectual property rights laws; I am willing to take all legal responsibilities and agree that the organizer may disqualify the award winners, and promise to take the initiative to return the certificates and bonuses obtained, which is hereby concluded.

Sincerely,

Organizer: Environmental Protection Administration

Implementer: The Taiwan Environmental Sustainable Development (TESD) Foundation

The person who signed the consent (leader) :	Representative Team (Signature/Seal)
ID number (Residence card number or passport number)	

Date: (year) (month) (day)

Annex III : The consent form of the award representative (or the replacement of the award representative consent form)

“Sustainable Innovation Soil and Groundwater Remediation Research Competition”

Consent of the award recipient (Or the replacement of the award representative consent form)

The members of the team _____(name of the team) agree that (name of the representative of the award recipient) will be the representative of the award.

Award recipient	(Signature/Seal)
Team members	(Signature/Seal)

If the representative of the team _____ (team name) wants to change the representative of the award due to force majeure, the representative of the award must be changed to _____ (the first agent of the representative of the award) with the signature of each member of the team.

The original representative of the award recipient	(Signature/Seal)
After the replacement, the first agent to receive the award represents the first agent	(Signature/Seal)
Team members	(Signature/Seal)

Sincerely,

Organizer: Environmental Protection Administration.

Implementer: The Taiwan Environmental Sustainable Development (TESD) Foundation

Date: (year) (month) (day)

Annex IV : Transportation fee receipt

Receipt/收據

I hereby receive the transportation fee for “Developing Cooperation and Exchange Program on Soil and Groundwater Environment Protection in ASEAN Countries - Sustainable Innovation Soil and Groundwater Remediation Research Competition” amounting to NT\$_____.

茲領到「發展東協國家土壤及地下水環境保護合作交流計畫－永續創新土壤及地下水整治研究競賽」交通費用計新台幣_____元整，確實無訛。

Sincerely,

此 致

The Taiwan Environmental Sustainable Development (TESD) Foundation

財團法人環境永續發展基金會

Payee/領款人：_____ (Signature/簽章)

Identity card number (residence card number or passport number)/身分證字號
(居留證號碼或護照號碼)：_____

Address/住址：_____

Date: (year) (month) (day)

Annex V : Receipt of the award

Receipt/收據

I hereby receive the “Developing Cooperation and Exchange Program on Soil and Groundwater Environment Protection in ASEAN Countries - Sustainable Innovation Soil and Groundwater Remediation Research Competition” The gift certificate is NT\$_____.

茲領到「發展東協國家土壤及地下水環境保護合作交流計畫－永續創新土壤及地下水整治研究競賽」獎金禮券計新台幣_____元整，確實無訛。

Sincerely,

此 致

The Taiwan Environmental Sustainable Development (TESD) Foundation

財團法人環境永續發展基金會

Payee/領款人：_____ (Signature/簽章)

Identity card number (residence card number or passport number)/身分證字號
(居留證號碼或護照號碼)：_____

Address/住址：_____

Date: (year) (month) (day)

Competition of Sustainable Innovation on **Soil** and **Groundwater** Remediation

ASEAN Partnerships



We want your idea and solutions.

“Sustainability Innovation” is the main theme for the competition. To inspire students to propose solutions that are practically applied on soil and groundwater problems in Taiwan or in your country.

 **Participants** : All students (**foreigner or Taiwanese**) are welcome (including Master and Ph.D.)

 **Deadline** : From now until **5:00p.m.** on **Aug 12, 2022**

 **Registration** : <https://forms.gle/rQXJPcCWauZPjb8L7>



Awards :

Outstanding Prize (1 team) :

NT\$50,000*/team and a certificate of award.

Wonderful Prize (1 team) :

NT\$20,000*/team and a certificate of award.

Excellent Prize (1team) :

NT\$10,000*/team and a certificate of award.

Superior Prize (2 teams) :

NT\$5,000*/team and a certificate of award.

* : Gift certificate or equivalent prize

 **For more information :**



Organizers



Implementer



財團法人環境永續發展基金會