



Republic of the Philippines
Department of Education
REGION VII - CENTRAL VISAYAS

Office of the Schools Division Superintendent

05 APR 2024

DIVISION MEMORANDUM

No. **0309**, s. 2024

**INVITATION TO THE IAFSW-MiSAC COMPETITION 2024 ON NEGLECTED
TROPICAL DISEASES AND CLIMATE CHANGE**

To: Assistant Schools Division Superintendent
Chiefs, CID and SGOD
Education Program Supervisors
Senior Education Program Specialists/Education Program Specialists
Public District Supervisors/District-In-Charge
Public Elementary/Secondary School Heads
Division Nurses
All Others Concerned

1. This Office, through the School Health Section, disseminates the attached OM-OUOPS-2024-03-02235, titled "Invitation to the Joint IAFSW-MiSAC Competition 2024 on Neglected Tropical Diseases and Climate Change," for information and guidance of all concerned.
2. This activity aims to raise awareness among teenagers about neglected tropical diseases (NTDs), their impact on global health, and how climate change affects efforts to control, prevent, or eliminate NTDs.
3. This competition is open to all learners from Grades 7-9. The deadline for submission of entries is on **May 1, 2024**.
4. Participation to this activity is voluntary and non-mandatory and is subject to the discretion of Schools Division Superintendent taking into consideration applicable DepEd Orders and Memoranda.
5. For more details, please refer to the attached competition flyer or visit the official website at <https://ntds.iafsw.org>.
6. For immediate and wide dissemination.


NERI C. OJASTRO EdD, CESO V
Schools Division Superintendent

4/5/24

NCO/EQV-RBV/SGOD/BBP/kldelacruz
April 2, 2024



Address: Kagawasan Avenue, Capitol Area, Daro, Dumaguete City
Telephone Nos.: (035)225-2838 / 225-2376 / 422-7644
Email Address: negros.oriental@deped.gov.ph



Republic of the Philippines
Department of Education
REGION VII - CENTRAL VISAYAS

Office of the Regional Director

REGIONAL MEMORANDUM

No. **289**, s. 2024

03 APR 2024

INVITATION TO THE IAFSW-MiSAC COMPETITION 2024 ON NEGLECTED TROPICAL DISEASES AND CLIMATE CHANGE

To: Schools Division Superintendents
Assistant Schools Division Superintendents
All Others Concerned

1. This Office disseminates the attached OM-OUOPS-2024-03-02235, titled "Invitation to the Joint IAFSW-MiSAC Competition 2024 on Neglected Tropical Diseases and Climate Change," for information and guidance of all concerned.
2. The competition aims to raise awareness among teenagers about neglected tropical diseases (NTDs), their impact on global health, and how climate change affects efforts to control, prevent, or eliminate NTDs.
3. This is open to all learners from Grades 7-9. Kindly note that the participation to the competition is voluntary and non-mandatory and subject to the discretion of the Schools Division Superintendent taking into consideration applicable DepEd Orders and Memoranda. The deadline for submission of entries is on **May 1, 2024**.
4. For detailed information, please refer to the attached competition flyer or visit the official website at <https://ntds.iafsw.org>.
5. Immediate dissemination of this Memorandum is desired.

SALUSTIANO T. JIMENEZ JD, EdD, CESO V
Director IV
Regional Director

STI/FYA/ESSD/TTP//rmv



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region7.deped.gov.ph

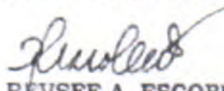


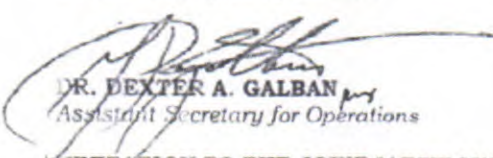
Republika ng Pilipinas
Department of Education

OFFICE OF THE UNDERSECRETARY FOR OPERATIONS

MEMORANDUM
OM-OUOPS-2024-09, 02225

TO : REGIONAL DIRECTORS
SCHOOLS DIVISION SUPERINTENDENTS
ALL OTHERS CONCERNED

FROM : 
ATTY. REVSEE A. ESCOBEDO
Undersecretary for Operations


DR. DEXTER A. GALBAN
Assistant Secretary for Operations

SUBJECT : INVITATION TO THE JOINT IAFSW-MISAC COMPETITION 2024
ON NEGLECTED TROPICAL DISEASES AND CLIMATE CHANGE

DATE : March 20, 2024

This is in reference to the attached official letter dated March 5, 2024 from the SEAMEO (Southeast Asian Ministers of Education Organization) Regional Centre for Sufficiency Economy Philosophy for Sustainability (SEPS) inviting schools to participate in the Joint International Association for the Future STEM Workforce (IAFSW) - Microbiology in Schools Advisory Committee, UK (MiSAC) Competition 2024 on Neglected Tropical Diseases and Climate Change.

The competition aims to raise awareness among teenagers about neglected tropical diseases (NTDs), their impact on global health, and how climate change affects efforts to control, prevent, or eliminate NTDs.

In this light, we would like to respectfully request that you extend this invitation to all learners from Grades 7-9 within your respective jurisdictions. **The deadline for submission of entries is on May 1, 2024.**

Kindly note that participation to the competition is **voluntary and non-mandatory**. For more information, you may reach out to the organizers directly through e-mail at info@iafsw.org and omjai@iafsw.org or you may visit the official website at <https://ntds.iafsw.org/>. Attached herewith is the competition flyer for your reference.

Copy Furnished:
Francis Cesar B. Bringas, Assistant Secretary for Operations

GANOPS/CR



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Effective:	03.23.23	Page	1 of 1



SEPS 02/C076-086/24

5 March 2024

**Subject: Invitation to Participate in the MiSAC-IAFSW Competition 2024 on
Neglected Tropical Diseases and Climate Change**

Dear Dr Margarita Consolacion C Ballesteros,

We would like to extend a warm invitation to the schools within your network to take part in the Joint IAFSW-MiSAC Competition 2024 on Neglected Tropical Diseases and Climate Change.

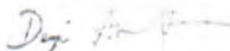
Organized by the International Association for the Future STEM Workforce (IAFSW), the Microbiology in Schools Advisory Committee, UK (MiSAC), and the SEAMEO Regional Centre for Sufficiency Economy Philosophy for Sustainability (SEAMEO SEPS), this esteemed event aims to heighten awareness among teenagers about the significant impact of NTDs on global health and their correlation with climate change. The submission deadline for entries is May 1st, 2024.

It would be appreciated if you could share this invitation to the secondary/high schools and colleges under your network. For detailed information, please refer to the attached competition flyer or visit an official website at

We are confident that this competition will immerse your students in scientific exploration and contribute to raising awareness of global health challenges. Your school's active participation is crucial in making this event a success. If you have any inquiries or require further assistance, please do not hesitate to reach out to the competition contact at and

We sincerely appreciate your support and look forward to the enthusiastic involvement of your students in this intellectually stimulating competition.

Yours sincerely,



Duriya Amatavivat
Centre Director

Dr Margarita Consolacion C Ballesteros
Director, International Cooperation Office
Department of Education
Philippines

Attachment: Competition flyer

Neglected Tropical Diseases and Climate Change

Not later than:
May 1, 2024

part of the Joint IAFSW-MiSAC Competition

To develop an understanding among teenagers of the impact of neglected tropical diseases (NTDs) on global health, and how climate change may impact their distribution around the world.

Background

NTDs have not been widely studied, though they affect over 1.7 billion people on our planet. They are usually found in tropical areas, particularly in the southern hemisphere. They largely affect impoverished communities, often in remote areas. Poor water quality, sanitation, hygiene and healthcare in these areas heighten their impact. Twenty conditions have been designated NTDs, and most are caused by a parasitic, bacterial, viral or fungal pathogen. Many are spread by various animals, that act as **vectors**, while others pass directly between infected people.

NTDs cause serious illnesses, damaging patients' attendance at school or work, and may be fatal. Some also cause disfigurement, often resulting in social stigma and isolation. In addition, some NTDs also affect animals, which can harm farming practices. Both wild and domestic animals can act as reservoirs of infection (eg. game animals for sleeping sickness) or directly transmit the infection to humans (eg. dogs spread rabies). The economic impact of NTDs is huge; in affected areas, they trap vulnerable populations in cycles of poverty, costing developing countries billions of pounds each year.

NTDs are preventable and treatable but affected communities often lack the resources to tackle them well. In general, effective vaccines against NTDs are not yet available. Treatment options are limited, may have significant side effects, or are rife with pathogen resistance. In 2020, the World Health Organisation published a roadmap to control, prevent or eliminate the NTDs by 2030 and progress is being made.

However, climate change may make this more difficult. Rising temperatures and changes in rainfall patterns may alter vector habitats, allowing them to expand into new areas. Warmer winters may allow arthropod vectors to survive longer. Extreme weather events also displace people, resulting in overcrowding within temporary shelters. These can increase the spread of NTDs and may bring people and vectors closer together, helping the transmission of NTDs. Extreme weather can also disrupt healthcare, housing, sanitation and food security, and the changing climate increases poverty, malnutrition and poor health, worsening the effects of NTDs.

Objectives of the competition

You are required to design an illustrated, web-page report for teenagers to raise their awareness of NTDs.

- Select **one** neglected tropical disease
- Describe the disease in English, including its symptoms, where it is found in the world, preventative measures and treatments, and the impact it has on affected people and communities.
- Describe the pathogen that causes the disease and what is known about how it is transmitted.
- Discuss how climate change may alter the spread, global distribution and impact of the disease.

Method of entries

- Students may produce your entry either by hand or computer.
- Students use a single A3 sheet of paper or two A4 sheets taped together (a combination of diagrams/photographs/graphs), scan the paper and save it in PDF format.
- Teachers are required to register and then submit the students' PDF files at <https://ntds.iafsw.org> no later than May 1, 2024.
- Teachers must provide hard copies of the entries and deliver them to the following address: Wizzom Park Bldg, 3 Soi 23 Chaloem Phrakiat Ratchakan Thi 9 Road, Nongbon, Prawet, Bangkok 10250 Thailand, ensuring it reaches us no later than May 15, 2024.
- The entry may be submitted by an individual or a group of not more than four students.

Prizes

Students 1st \$120 2nd \$60 3rd \$30

A certificate will be awarded to each student submitting an entry of scientific merit. The results, winning entries and a report of the competition will be published on the IAFSW website competition pages of

Send fly, vector that transmits the parasite Leishmania, which causes Leishmaniasis
Image by G. Krieger, 2006. (https://www.flickr.com/photos/1111111111/1111111111/)



Trypanosoma brucei parasite (yellow) that causes Human African Trypanosomiasis
Image by Dr. David S. Schaefer, 2014. (https://www.flickr.com/photos/1111111111/1111111111/)



Fresh water snail, vector that transmits the schistosome parasitic worm
Image: World Health Organization



Mycobacterium leprae bacteria (red) that cause leprosy
Image: World Health Organization



Vampire bat, a vector that transmits rabies virus in Peru
Image: World Health Organization



Kissing bug (kissing bug), vector of the parasite Trypanosoma cruzi
Image: World Health Organization

Rules for entry

- Use the scientific name of any pathogens you mention.
- Don't forget that the first name (genus) begins with an upper case letter and the second name (species) has a lower case initial letter (eg. *Trypanosoma brucei*). This can be abbreviated, for example, to *T. brucei* after its first use.
- Use italics for the scientific name - or underline it if your entry is hand written.
- Use your own words because plagiarism (which is cheating) will be penalised.
- For data and other material used to illustrate your entry, provide information of their sources.

What makes a good web page?

Effective web pages rely on being not only informative but attractive, lively, well-designed and often amusing, in order to make an immediate visual impact. This can be achieved by using photographs, diagrams, drawings, plus data and sources of further information. Make the presentation of your entry entertaining for its intended audience - teenagers.

Website information