

Republic of the Philippines Department of Education

REGION V - BICOL

SCHOOLS DIVISION OFFICE OF CATANDUANES

UNNUMBERED MEMORANDUM OSDS-CID-04/08/2024/NGC

TO

Chief Education Supervisor, CID

Education Program Supervisor (Science)

Public Schools District Supervisors/In-Charge of the Districts

Secondary School Heads All Others Concerned

FROM

SOCORRO V. DELA ROSA, CESO, V

Schools Division Superintendent

SUBJECT

DISSEMINATION OF OM-OUOPS-2024-03-02235, TITLED

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

CHANGE

DATE

April 8, 2024

- Attached is a copy of signed Memorandum OM-OUOPS-2024-03-02235 1. titled, Invitation to the Joint IAFSW-MISAC Competition 2024 on Neglected Tropical Diseases and Climate Change, by Atty Revsee A. Escobedo, Undersecretary for Operations and Dexter A. Galban, Assistant Secretary for Operations.
- Participation to the competition is **voluntary**. 2.
- 3. For information and reference.

ated in the <u>Perpetual Index</u>

Under the following subjects:

NGC/DISSEMINATION OF OM-OUOPS-2024-03-02235, TITLED INVITATION TO THE JOINT IAFSW-MISAC COMPETITION 2024 ON NEGLECTED TROPICAL DISEASES AND CLIMATE CHANGE
April 8, 2024







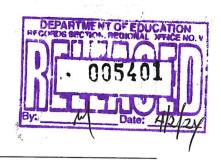
San Roque, Virac, Catanduanes

052-8114063

ww.depedrovcatanduanes.com/www.catanduanes.deped.gov.ph



Republic of the Philippines **Department of Education**REGION V - BICOL



01 April 2024

REGIONAL MEMORANDUM No. 8. 2024

DISSEMINATION OF OM-OUOPS-2024-03-02235, TITLED INVITATION TO THE JOINT IAFSW-MISAC COMPETITION 2024 ON NEGLECTED TROPICAL DISEASES AND CLIMATE CHANGE

To

Schools Division Superintendents

- 1. Attached is a copy of signed Memorandum OM-OUOPS-2024-03-0225 titled, Invitation to the Joint IAFSW-MISAC Competition 2024 on Neglected Tropical Diseases and Climate Change, by Atty. Revsee A. Escobedo, Undersecretary for Operations and Dr. Dexter A. Galban, Assistant Secretary for Operations.
- 2. For information and reference.

Regional Director

Encloses: As stated

ESSD/ erca/ish 4/1/2024









Republika ng Pilipinas

Department of Education

OFFICE OF THE UNDERSECRETARY FOR OPERATIONS

MEMORANDUM

OM-OUOPS-2024-03. 0222

TO

: REGIONAL DIRECTORS

SCHOOLS DIVISION SUPERINTENDENTS

ALL OTHERS CONCERNED

FROM

ATTY. REVSEE A. ESCOBEDO

Underse¢retary 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.

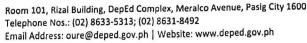
Kindly note that participation to the competition is **voluntary** and **non-mandatory**. For more information, you may reach out to the organizers directly through e-mail at info@iafsw.org and omjai@iafsw.org or you may visit the official website at https://ntds.iafsw.org/. Attached herewith is the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

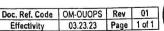
Copy Furnished:

Francis Cesar B. Bringas, Assistant Secretary for Operations

OASOPS/CEA









TIME: 6'-52



SEAMEO Regional Centre for Sufficiency Economy Philosophy for Sustainability

11th fl. Natural History and Environment Bldg., 928 Sukhumvit Road, Phra Khanong, Khlong Toci, Bangkok 10110, Thailand

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 https://udo.infsw.org.

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 inferential and empirical inferences.

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

Yours sincerely,

Duriya Amataviviat

Centre Director

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

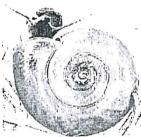
Attachment: Competition flyer



Sand fly: vector that transmits the parasite Leishmania, which causes Leishmaniasis



Trypanosoma brucei: parasite (yellow) that causes Human African Trypanosomiasis



shwater snall; vector that transmits the schistosome parasitic worm.



Mycobacterium leprae: bacteria (red)
that cause leprosy.



Vampire bat: a vector that transmits rabies virus in Peru









For the attention of the Head of Biology

Joint IAFSW-MISAC Competition 2024:

Neglected Tropical Diseases and Climate Change Not late than:

May 1, 2024

Aim 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, hyglene 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 rables). 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.

Object 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.

Format 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 illes at https://ntds.lafsw.org no later than May 1, 2024.
- Teachers must provide hard copies of the entries and deliver them to the following address: Wizdom Park Bidg. 3 Soi 23 Chaloem Phraklat Ratchakan Thi 9 Road, Nongbon, Prawet, Bangkok 10250 Thalland, 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.

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 at hit and the larger of the

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 met 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.

Five top tips

- 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 brucel). This can be abbreviated, for example, to T. brucel after its first use.
- Use italics for the scientific name or underline it if your entry is
- Use your own words because plaglarism (which is cheating) will be
- 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 articles

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