



Department of Education  
Region X- Northern Mindanao  
**DIVISION OF MALAYBALAY CITY**  
Purok 6, Casisang, Malaybalay City



**DIVISION MEMORANDUM**  
No. 125 s. 2015

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**RELEASED**  
Date: APR 17 2015 Time: 2:56  
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To: Chief Education Supervisors  
Education Program Supervisors  
Public Schools District Supervisors  
Education Program Specialists  
Elementary and Secondary School Heads

*Edilberto L. Oplenaria*  
From : **EDILBERTO L. OPLENARIA**  
Schools Division Superintendent  
This Division

Date : April 17, 2015

Re : **DISSEMINATION OF REGIONAL MEMORANDUM NO. 31 S. 2015 RE:  
INNOVATE TO MITIGATE: THE 2<sup>ND</sup> PHILIPPINE INTERNATIONAL  
SCIENCE FAIR (PISF)**

1. For the information and guidance of all concerned, enclosed is a copy of Regional Memorandum No. 31 s. 2015 RE : INNOVATE TO MITIGATE: THE 2<sup>ND</sup> PHILIPPINE INTERNATIONAL SCIENCE FAIR (PISF) which is self-explanatory.
2. Interested participants must write a letter of intent to the Schools Division Superintendent and shall be recommended by their School Heads and shall be submitted to this office attention: ANALY L. OCIER, EPS in Science on or before May 22, 2015.
3. Immediate dissemination of this Memorandum is desired.

To be indicated in the perpetual Index  
Under the following subjects:

Teachers	Science
Schools	Education



Republic of the Philippines  
Department of Education  
**REGION X - NORTHERN MINDANAO**  
Gregorio A. Palasz, Sr. Memorial Sports Center  
Mater St., Cagayan de Oro City

**DepED**  
REGION X - NORTHERN MINDANAO

REGIONAL MEMORANDUM No. 31s, 2015

TO: Schools Division Superintendents  
This Region

FROM: <sup>mu must</sup> **ATTY. SHIRLEY O. CHATTO**  
Chief Administrative Officer  
OIC, Office of the Regional Director

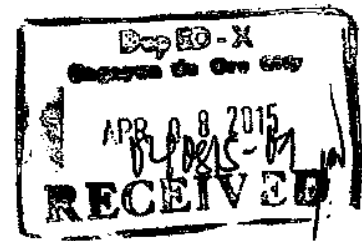
SUBJECT: **Innovate to Mitigate: The 2<sup>nd</sup> Philippine International Science Fair (PISF)**

DATE: April 10, 2015

1. Relative to the invitation from the DOST Philippine Science High School System re: **"The 2<sup>nd</sup> Philippine International Science Fair (PISF)"**, the schedule was moved from April 26-30, 2015 to May 31-June 4, 2015.
2. For the details of the said activity, register online at [pshs-isf.com](http://pshs-isf.com) or email queries at [pisfsecretariat@pshs.edu.ph](mailto:pisfsecretariat@pshs.edu.ph).
3. Immediate dissemination of this Regional Memorandum is highly enjoined.



Republic of the Philippines  
Department of Science and Technology  
**PHILIPPINE SCIENCE HIGH SCHOOL SYSTEM**  
OFFICE OF THE EXECUTIVE DIRECTOR



March 31, 2015

**Atty. Shirley Chatto**  
Regional Director  
Region X  
Department of Education  
Don Gregorio Pelaez Sports Complex,  
Velez St., Cagayan de Oro City

Dear Atty. Chatto:

Greetings from the DOST Philippine Science High School System!

In relation to our invitation to participate in **Innovate to Mitigate: The 2<sup>nd</sup> Philippine International Science Fair (PISF)**, we would like to inform you that after careful deliberation, the PISF Committee has decided to move the 2015 PISF from April 26 – 30, 2015 to May 31 – June 4, 2015. The move allows us to conduct the study tour at a more opportune time. With this change in schedule we are pleased to invite you once again to the fair. We are now accepting confirmation of participation and registration of participants up to *April 13, 2015*.

For your reference, please refer to the following for more details about the fair and the previous letter that we have sent.

Respectfully,

  
Larry D. Cabatic, PhD  
Executive Director

## DETAILS OF THE FAIR

**Registration:** Please register online at [pshs-isf.com](http://pshs-isf.com). The website will be available by March 25. Deadline of registration is April 13, 2015. Those who cannot access the site are advised to email us at [pisfsecretariat@pshs.edu.ph](mailto:pisfsecretariat@pshs.edu.ph) immediately.

**Theme:** *Innovate to Mitigate* (Disaster Management)

**Date:** **May 31-June 4, 2015**

**Venue:** First Pacific Leadership Antipolo City, Rizal, Philippines.

**Attendants:** science-oriented high school students (aged 15 and above)

3 Students and 1 science teacher from each school

Students are NOT expected to have an ongoing study on disaster management

Working language is English.

### ***School and area poster***

Each participating school will bring a poster on the topic "How our country responds to Disaster" which should include demographics and statistics on disasters experienced by the country and recent innovations applied by the country to address disaster management.

### ***Project***

Upon registration, participants will be asked to choose from different situations that present hazards that may lead to disasters. They will then be grouped according to their choice. Groups will be composed of students coming from different schools/countries. Each group will come up with a prototype or a proposal for a project on disaster prevention, adaptation, mitigation or recovery. Members of the groups will have to collaborate online before the fair. They will not be expected to come up with a full study. During the fair, each group will develop and present their project idea and/or proposal.

The three major areas of study to choose from are:

- 1) Lake Management., Urban Development and Agricultural Development

### ***Study tour***

Each group will go on a study tour.

For Lake Management, participants will visit areas near Taal Lake. Taal Lake is a freshwater lake and the third largest in the Philippines. It has a 650 square kilometer basin, a 240 square kilometer lake, and a 23 square kilometer island with a 1.2 square kilometer crater lake inside it. Average depth of the lake is 60 m, with a maximum depth of 19 m. There are 37 tributaries flowing into it and only one outlet to the sea, the 8.2 km Pansipit River which flows out to Balayan Bay. Aside from its scenic importance, the lake is of international importance because it is home to two of the most endangered fish types (Tawilis and Malupuno) which can only be found in the lake. These fishes are oceanic fishes that have adapted to high sulfur but fresh water environment.

For Urban Development, participants will be visit places within Metro Manila. Metro Manila is the capital of the Philippines and has a population of 12 million and counting. They shall also visit the shoreline of the Freedom Island, an island at the edge of the city, which is known to be home to some important local and migratory bird species to give way to a highway that would link the future business centers of Las Pinas and Paranaque with the rest of Metro Manila that will cut through the mangroves and about 15 percent of the island will be removed. The island is also known as the Las Piñas-Paranaque Critical Habitat and Ecotourism Area (LPPCHEA), which is the country's only urban bird sanctuary. Its global significance to biodiversity is in fact recognized after it was listed in the Ramsar List of Wetlands of International Importance. It is a home to at least 5,000 migratory and resident birds on a given day, including 47 rare species such as the Chinese Egret and the Philippine Duck.

For Agricultural Development, participants will visit a farm in Central Luzon. The Gawad Kalinga Enchanted farm in Angat Bulacan is a platform to raise social entrepreneurs, help local farmers and create wealth within the countryside. When GK quietly began in 2000 "by building communities to end poverty," little did its founder and driving force Antonio Meloto know how far would go. GK began as a ministry for the poor. The story of how GK grew from its small beginnings is told in the book "The Builder of Dreams" by Meloto, a 2006 Ramon Magsaysay Awardee for Community Leadership. Meloto later received the Nikkei Asia Award for Regional Growth. Just recently, he was invited to the World Economic Forum in Jakarta. Speaking to thinkers, policy makers and generators of global wealth, Meloto described how GK is "creating a hybrid of p

**PISF shall sponsor the following:**

1. Accommodation on a shared basis at the FPLA Hotel (see <http://www.fpacademy.net>)
2. Food and local transport (including to and from the airport)
3. Study tour
4. Training materials and collaterals

Please note that travel expenses to and from Manila shall be borne by the participants.



Republic of the Philippines  
Department of Science and Technology  
**PHILIPPINE SCIENCE HIGH SCHOOL SYSTEM**  
OFFICE OF THE EXECUTIVE DIRECTOR

2015 Philippine International Science Fair



February 17, 2015

Atty. Shirley Chatto  
Regional Director  
Region X  
Department of Education  
Don Gregorio Pelaez Sports Complex,  
Velez St., Cagayan de Oro City.

Dear Atty. Chatto:

The Philippine Science High School is pleased to invite three (3) students, and one (1) teacher from Lanao del Norte National Comprehensive High School to participate in Innovate to Mitigate: The 2<sup>nd</sup> Philippine International Science Fair to be held, from 26-30 April 2015.

The fair hopes to touch on the integrity of the environment and on climate change. Having experienced difficulties brought about by climate change, the students are encouraged to conduct studies and come up with mini-projects on prevention, adaptation, and mitigation and rescue initiatives on disaster management. This will be done through workshops, study tours and mentoring by experts.

On its second run this year the science fair invites students from all over the country, the ASEAN Region and other neighboring countries. The first PISF held in 2013 saw the participation of Bangladesh, Brunei Darussalam, Korea, Malaysia, Singapore, Taiwan and Thailand. This year we are inviting more countries to participate. The fair is a partnership between Philippine Science High School and the First Pacific Leadership Academy. Participants and accompanying teachers will be housed within the First Pacific Leadership Academy (FPLA) in Antipolo, Rizal.

The working language of the fair is English. Participants will fly in/travel at their own expense. PSHS-FPLA will cover accommodation and meals for the duration of the fair as well as the study tour.

May we ask your good office to assist us in extending the invitation to the school? We hope to receive the school's confirmation of attendance by 27 February 2015. Attached are details of the fair. You may send your reply and/or inquiries at [pisfsecretariat@pshs.edu.ph](mailto:pisfsecretariat@pshs.edu.ph) or call us at (02) 929-1606 (look for Evelyn).

We look forward to your support and are certain that your students will have an exhilarating time at the science fair and in the Philippines.

Respectfully,

  
Larry B. Cabatic, PhD  
Executive Director