

Provincial Government of Bulacan
PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT OFFICE



10th SHINE
School Hydrological Information Network
Conference

November 21, 2019, 8:00am @ KLIR Water Park Resort and Hotel, Sta. Rita, Guiguinto, Bulacan

PROCEEDINGS



GOVERNOR'S MESSAGE

BACKGROUND

SHINe or the School Hydrological Information Network is simple school-based program that relates to Disaster Risk Reduction (DRR) and Climate Change Adaptation (CCA). It mainly focuses on awareness and how to be resilient to the effects of Hydromet-related hazards, particularly from tropical cyclones and floods in general. The main objective is to enjoin, engage, and empower schools to act on their own to mitigate the effects from hydrometeorological hazards.

Students are oriented and capacitated to do hydrological observations such as rainfall and water level (or river stage) observations if school is adjacent to a river. By doing this, the students are being made aware on the effects of such amount of rainfall and corresponding increase in water level as the case may be. The observed data are then forwarded and shared to local disaster risk reduction and management offices (LDRRMs) in their community which can be used for disaster prevention and mitigation activities. Further, the data, when continuously have been recorded can be used for long-term issues such for researches and infrastructure activities.

SHINe HISTORY

The SHINe program was developed by the Pampanga River Basin Flood Forecasting & Warning Center (PRFFWC) of PAGASA as an off-shoot activity to the Community-based Flood Mitigation & Management Program (CBFMMP) of the Province of Bulacan. It was 2004 when the program's idea was conceived. Originally, it was known as SRON or School Rainfall Observation Network and later renamed to SHONe (School Hydrological Observation Network) until finally renamed to SHINe. In the last quarter of 2008 SHINe was first implemented in 3 upland secondary schools of Bulacan. Primarily to augment the present rainfall observations in the CBFMMP. Eventually, SHINe became a workhorse activity of Bulacan Province in their DRRM aspects and hosted another 6 school beneficiaries of the program by 2010. To date, there are about 26 secondary schools and 11 elementary schools benefitting from SHINe program.

Several recognitions and achievements of the SHINe program included as follows:

2008: *News Features in Business Week and Philippine Star*

July 2010: *Special Citation to Bulacan Provincial Disaster Coordinating Council by the then NDCC on the implementation of SHINe Program in the province*

August 2010: *Featured in GMA-7 program "Unang Hirit"*

2010-2011: *OXFAM documented SHINe in a book publication on Good Practices in DRR and CCA in the Philippines*

2013-2017: *SHINe as the flagship activity of Project ENCORE by Save the Children. Inc. organization*

2019: *An RDRRMC-3 resolution adopting and supporting SHINe program in Region 3*

2019: *SHINe as GAWAD PAGASA Outstanding Innovation Award (1st)*

SHINe 10th CONFERENCE PROGRAM



10th SHINe
School Hydrological Information Network
Conference
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PROGRAMME

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|--------|---|--|
| 7:30am | Registration | PDRRMO |
| 8:00 | Acknowledgement of Participants | Ms. FELICISIMAL. MUNGAL Local DRRM Officer |
| 8:10 | SCHOOL DYNAMICS | PDRRMO & PRFFWC |
| 12:00 | Lunch Break | |
| 1:00 | Opening Program - Invocation & National Anthem | Audio Visual Presentation |
| 1:10 | Welcome Remarks | Mr. EUGENIO C. PAYONGAYONG Provincial Administrator & Vice Chair on Preparedness, Prevention & Mitigation |
| 1:20 | Message | Dr. GERMELINA H. PASCUAL, CESO V Schools Division Superintendent, DepEd - Bulacan Dr. MERLINA P. CRUZ, CESO IV Schools Division Superintendent, DepEd - City of San Jose Del Monte Dr. CAROLINA S. VIOLETA, Ed. D Schools Division Superintendent, DepEd - City of Meycauyan Dr. NORMA P. ESTEBAN, CESO VI Schools Division Superintendent, DepEd - City of Malolos |
| | | Hon. ERLENE LUZ V. DELA CRUZ Acting Provincial Vice Governor |
| | | Hon. DANIEL R. FERNANDO Provincial Governor & PDRRMC Chairman |
| | | Engr. HILTON T. HERNANDO PRFFWC-PAGASA |
| | Closing Message | Liz L. MUNGAL |
| 3:00 | Socialization | Ronnel L. Santos & Reynela Mae Sahagun Masters of Ceremony |



Invitation

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School Dynamics
Handbook / Manual Making Contest
Best SHINe Implementers



CONFERENCE VENUE

The venue for the 10th SHINe Annual Conference was the KLIR WATERPARK RESORT in Bgy. Sta. Rita, Guiguinto, Bulacan. The waterpark resort is just a several hundred meters away entering the Sta. Rita toll plaza along the NLEX. The waterpark offers a suitable function hall for the main conference event and a large outdoor recreational facility for the event's school dynamics and team building activities.



Masters of Ceremonies

Ms. REYNELA MAE R. SAHAGUN and Mr. RONNEL L. SANTOS
of the Bulacan PDRRMO



Conference Speakers and Guests

Ms. FELICISIMA L. MUNGICAL
Executive Officer
Bulacan PDRRMO



Engr. HILTON T. HERNANDO
Chief, PRFFWC-PAGASA



HANDBOOK / MANUAL MAKING CONTEST (SHINe year-end activity)

The SHINe Project for the year 2019 for the various school beneficiaries of Bulacan was to come-up with a generalized Handbook or a Manual that basically present how to implement the SHINe program in a school setting.



SHINe Re-Orientation

SHINe comeback visit program for the year 2019 was a reorientation of all SHINe school beneficiary groups from the various secondary schools within the province of Bulacan. The reorientation was mainly conducted by personnel of the PRFFWC-PAGASA and supported by the Bulacan-PDRRMO. Reorientation topics were mainly related to hydrometeorological hazards awareness and mitigation.

The Reorientation was Conducted as per pictures above:

(Top Left) Oct. 1 – Dr. Felipe De Jesus NHS, Plaridel / (Top Right) Oct. 2 – San Rafael National Trade School, San Rafael / (Bottom) Oct. 3 – Guiguinto National Vocational HS, Guiguinto

CONFERENCE HIGHLIGHTS

SHINE DYNAMICS



The SHINe school dynamics is a regular part of the annual conference and it generally enhances camaraderie among students from various schools and as a means of developing their moral and social responsibilities to the various school-based activities relating to SHINe. This year's dynamics once again focuses on team building activities coupled with skills on SHINe information and general knowledge to Hydromet-related issues.

AWARDS (Awarded during the Conference)**HANDBOOK MAKING CONTEST****Winners**

1. Bunsuran NHS
2. Vedasto Santiago NHS
3. Fortunato F. Halili
Agricultural NHS
4. San Rafael National
Trade School



18 Schools participated

Copies of the Handbooks have all been provided to the Bulacan PDRRMO. A generalized manual will be produced by the Bulacan PDRRMO with the contents taken from these set of handbooks / manuals that were submitted by the various schools that participated in the said undertaking.

BEST SHINe Program IMPLEMENTORS**Best Implementers**

1. Angat National HS
2. Dr. Felipe De Jesus NHS
3. Tibagan National HS
4. Obando Fisheries NHS



Every year, SHINe schools are assessed of their performance through their responsibilities being a beneficiary of the SHINe program and as always, the main focus of their performance in the program is their monthly rainfall observations. Schools are rated based on the rainfall summary criteria for each month, namely: Completeness, Timeliness, and Data Quality. Other basis for their yearly performances are the school programs aligned with SHINe objectives (DRR & CCA) that they have implemented in their school or in their community where the school is situated are also part of the basis for being awarded during annual conferences. Programs such as disaster-related drills, IEC programs on DRR, tree planting, waste management, etc.

For the 10th Annual SHINe Conference the take away for schools that performed well (SHINe Best Implementer Awards) was a set of emergency-related kits and accessories which includes safety helmets, first-aid kits, wood stretcher, and many other immediate response / first-aid stuff.

The Annual SHINe Conference for the year 2019 was the 10th year activity event and as always the idea is to gather together all the SHINe groups, mainly to enhance their camaraderie and develop their social and moral responsibilities to their school, community, to the province, and to the country.



Conducted on Nov. 21, 2019 @
KLIR Water Resort and Hotel, Sta. Rita, Guiguinto, Bulacan



CONFERENCE DELEGATES

| | |
|--|--|
| Bajet - Castillo High School | Hagonoy East Central Elementary School |
| Marianne Clyde Espiritu | Bernardo Nicole Haven Tayson |
| Kurt Jameel C. Esguerra | Karrina Cassandra Victoria |
| Hans Rico P. Dueñas | Reeyan Wila Tresueño |
| Francine B. Cruz | Franchezka Gia B. Carpio |
| Mickie Lhainne C. Manabat | John Romulo Enriques |
| Princess T. Peras | Kristof N. Nabong |
| Vaness G. Gonzaga | David Paul T. Sanchez |
| Aira S. Gumabon | Heaven Lowellea A. De Pore |
| Arlene C. Cruz | Rosario D. Carpio (SDRRM / Focal Person) |
| Ana Melissa A. Raymundo | Wileth G. Carpio (SDRRM / Focal Person) |
| Bunsuran National High School | Laura de Leon Halili High School |
| Justin Gabriel D. A Jose | Renzs Daren Santiago |
| Ryzza Mae V. Gumatay | Leslie Rose S. Ampuelles |
| Ma. Laurice D. Austria | Ren Christeen S. Angeles |
| King Jessica S. Reyes | Judilen P. Angeles |
| John Jhervie G. Sebastian | Jhean Grace A. Del Rosario |
| Jerry Z. Mariano | Janella Meriel P. Legaspi |
| Joward A. Gonje | Nice Jane Santiago |
| Regine Faye G. Morales | Jenilyn C. Egipto |
| Jessica C. Gumatay | Perlita A. Angeles (Teacher) |
| Anthony G. Rivera (SDRRM / Focal Person) | Cristaline F. Galicia (Teacher) |
| Binagbag National High School | Illuminada Roxas Mendoza Memorial High School |
| Dominic B. Placido | Jhustine Jake A. Nocinaelo |
| Paula Mae R. Villania | Arvin DG. Sambajon |
| Judies L. Junio | Djavien Ignacio |
| Jerick DC. Del Rosario | Jolen Anthony Bayan |
| Aaron Stephen B. Castro | Xyryn Rhone Tafia |
| Kyla L. Layan | Lorin Anne Bentula |
| Lloyd Cedrick A. Dimayuga | March Rainelle Blas |
| Marc Jiyo O. Herrera | Micaella May Oliquien |
| Annabelle I. Roxas (Teacher) | Jayson A. San Luis (Teacher) |
| Lea P. Capistrano (Teacher / SHINe Coordinator) | Manuel P. Aluina (Teacher) |
| Obando School of Fisheries | Arsenio Santos Memorial School |
| Rich Samantha Mendoza | Kyla Marie Atienza |
| Archie V. De Armar | Cayden Clyde Banag |
| Bianca B. Sto Tomas | Francine Erich Manlapaz |
| Allan Christian Manahan | Audree Nathalie Logenio |
| Andrea Joyce Marquez | Xhanyca Khaik Dela Cruz |
| Andrei Manahan | Genald Jane Gepilya |
| Bona Angela Delos Santos | Jenna M. Rueda |
| Rodel Iverson Delos Santos | Cristel Rueda |
| Josephine A. Dela Cruz (Teacher / SHINe Adviser) | Lilaine S. Banarez (Teacher) |
| Leo I. Moral (Teacher / SHINe Adviser) | Myriam G Alfonso (Teacher) |
| | |

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|--|--|
| San Roque National High School | Frances National High School |
| Michelle Joy C. Moreno | Krizelle Ann Mojica (SHINe Treasurer) |
| Camille T. Romasana | Jacquelyn P. Perez (SHINe V.P.) |
| Denise Sean M. Pasco | Grace Joy Cano (SHINe P.I.O.) |
| Kristine Joane Lucas | Nicole DG. Endades (SHINe Secretary) |
| Leonaid Kate DL. Eugenio | Jannine S. Muñoz (SHINe Pres.) |
| Zaira Alex Mangalus | John Paul S. Navarres (SHINe Member) |
| Micaella Mae C. Sandiego | Jiro Franco G. Delos Santos (SHINe Auditor) |
| Jon Kramrik C. Cortes | Gliezer D. Alvarado (SHINe Member) |
| Avelina A. Montes (Teacher) | Lonena D. Dela Cruz (Teacher / SHINe Adviser) |
| Zenaida P. Robles (Teacher) | Wenn S. Gonzaga (Teacher / SHINe Adiser) |
| Sto. Cristo National High School | Sta. Lucia High School |
| John Rey Reyes (SHINe Pres) | Ruth P. Bernardino |
| Francis Paul Arquesa (SHINe V.P.) | Mark Kevin L. Olimba |
| Jim Gena Pigo (SHINe Secretary) | Leo Hernandez |
| Francis Guevarna (SHINe Member) | Cielo M. Lopez |
| Stephen John F. Lumanog (SHINe Member) | Carla D. Galang |
| Angelica Joy Tubat (SHINe Representative) | Mumphry S. Caparas |
| Jen-Jen C. Gsrin (SHINe Representative) | Thom B. Terez |
| Carlo Vales (SHINe Member) | Katelen C. Yambao |
| Kim C. Baylon (Teacher / SHINe Co-Adviser) | Andrea Nicole M Gonzales |
| Lorie T. PLA (Teacher / SHINe Adviser) | John Daniel Solimar |
| Hagonoy West Central School | Meycauayan National High School - Annex |
| John Lester T. Coronel | Michaela Cayabyab |
| Sophie Jane C. Lopez | Jessica Datol |
| Nica Joy M. Lozano | Roshan Caryl L. Otero |
| Jenilee Faye L Baltao | Diana H. Resvello |
| Sarah Talavera | Emmanuel Angelo A. Perez |
| Janine Mae M. Dela Cruz | Jorgina Marie L. Panaguiton |
| Frizie Denise E. Layaw | Hannah Kim G. Ferrrer |
| Jamaica Shane T. Sevilla (Teacher) | Mateo R. Pascual |
| Monica L. Perez (Teacher) | Ma. Belinda Estacio |
| | Lalaine R. Duran |
| Virgen Delas Flores High School | Sta. Monica Elementary School |
| John Rhobert Reyes | Dale Andrei Cruz |
| Margzliar DG. Bugarin | Ramiel Vernice Sabino |
| Sean Rein N. Manuel | Nathan Gonzales |
| Wendel Devera | Jhamaica Fajardo |
| Nicole Sarmento | Leanna Joy Corno |
| Marjo Louis Sagman | Maricris David |
| Irene Cuizon | Maribel Dela Cruz |
| Lennon Cruz | Raid Macapagal |
| John Jeric Buhain (Teacher) | Lorena DL. Teodono |
| | Lizel M. Santos |
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See you all in the next SHINe Annual Conference (2020)...
A year after a decade of enjoyment.

