



Country Report

The GLOBE Program Philippines

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Picture for attention only



Implemented through the Philippine Science High School System



What we said we will do (2019, South Korea)

- To update content of GLOBE Philippines Webpage, to serve as source of information and interest among teachers
- To focus GLOBE Teacher Training on Data Use, Entry, Retrieval, and Visualisation
- To strengthen network thru social media communication with other GLOBE AP countries
- Devolve LMW to LGU and Municipal Health Workers, together with students and teachers



What we said we will do (2019, South Korea)

- To host the NASA Airborne Science Team : 2019 CAMP2Ex (Cloud, Aerosol and Monsoon Processes Philippines Experiment) mission
- 1,500 Teachers & Students
(From 39 Different Schools, from Luzon, Visayas, and Mindanao)



https://www.youtube.com/watch?v=TfE_iUs1Fmo

CAMP2 OUTREACH
EX 
F V U V W X Y Z

What we said we will do (2019, South Korea)

- 2019 GLOBE Science Fair, October 2019. **Postponed** due to funding issues and conflicts of schedule
- Launching of GLOBE Program in Nabua National High School, Camarines Sur and GOA National High School, Albay (Bicol Province), December 7, 2019. **Postponed** due to the “Near Super Typhoon” that devastated the province. Instead, the GLOBE Program was launched in Oas, Albay, Bicol Province.
- Submission of Multi-Country IVSS Project. **Ongoing**



What we said we will do (2019, South Korea)

• LMW Targets

| | Target (2018) | Actual Accomplishment, (2019) | Remarks |
|---|---------------------------------|--|--|
| Total Target Number of LMW nationwide | 78 | 44* | Camsur, the Biggest LMW session was postponed due to Typhoon |
| Total Number of LMW Participants | 1,320 | 740 | |
| Total Number of Unique Mosquito Data Uploaded | 5,280 | 2,906 | Based on ADAT, 548 observation. Based on Estimate Data Count Should be 3,700 |
| Target Geographical Coverage | 16 Political Regions Nationwide | 16 Regions Covered by Training, but, only 10 Regions reported data | |

Adjusted based on 16 participants per session

The GLOBE Program, Snapshot

2018

265 Schools
536 Fully Trained GLOBE Teachers
4 Masters Trainers
782 Untrained GLOBE Observers

- *Year 2018 - 78 Schools and 223 teachers have reported 1,167 Observations*

2019

279 Schools
9,215 Students
1,322 GLOBE Observers
560 Fully Trained GLOBE Teachers
4 Masters Trainers

- *Year 2019- 351 Schools and 515 teachers have reported 3,993 Observations; 87 schools are active and 10 have reported in the last 3 months*



Cooperating Organizations

- The Philippine Science High School System
- Batasan Hills National High School
- Office of the City Mayor of Quezon City
- Quezon City Community Foundation Science Inc.
- Department of Education Division of City Schools, Quezon City
- Department of Education Division of City Schools, Oas, Albay Province
- US Embassy Manila



GLOBE Training and Workshops Conducted

— **11 Trainings, 704 Participants**

| | Name of Workshop | Date (Location) | Protocols Involved (Trainer) | No. of Participant | Target Participants | Remarks |
|---|-------------------------|-----------------------------|---|-------------------------------|---|----------------------|
| 1 | LMW Workshop 1 | 12 March (Batasan Hills) | Mosquito (J. Callope) | 25 | Community Residents, Bgy. Batasan | Registration Open |
| 2 | LMW Workshop 2 | 12 March (Quezon City) | Mosquito (B. Clemente) | 25 | Community Residents, Quezon City | Registration Open |
| 3 | LMW Workshop 3 | 13 March (Batasan Hills) | Mosquito (J. Callope) | 37 | Community Residents, Bgy. Batasan | Registration Open |
| 4 | LMW Workshop 4 | 14 March (Quezon City) | Mosquito (B. Clemente) | 35 | Community Residents, Quezon City | Registration Open |

GLOBE Training and Workshops Conducted

| | | | | | | |
|---|--|--|--|-----|---|--|
| 5 | LMW and Allied Protocol Training | 9 September (Clark, Pampanga) | Mosquito, Hydrosphere, and Atmosphere (J. Tolentino) | 93 | Teachers and Students | |
| 6 | LMW and Allied GLOBE Training, and Teacher Training Workshop | 12 September (QC-X Hall, Quezon City) | Mosquito, Hydrosphere, and Atmosphere (J. Callope, and B. Clemente) | 122 | Teachers, Students, Community Health Workers, and Community Residents | From 18 Different Schools in QC. 11 GLOBE Teachers underwent teacher training |
| 7 | LMW Workshop and Allied Protocol Training in Conjunction with NASA CAMP2Ex Visit | 14 September (Clark, Pampanga) | Mosquito and Atmosphere (J. Callope, B. Clemente, and J. Tolentino) | 108 | Teachers, Students, Community Health Workers, and Community Residents | DepEd Teachers from Pampanga are among the participants in the workshop |
| 8 | LMW for PSHS Northern Luzon Campuses | 20 September (Clark, Pampanga) | Mosquito and Allied Protocol Training (J. Tolentino) | 63 | PSHS Teachers from 5 Northern Luzon Campuses | Additional 4 Campuses from Visayas and Mindanao participated |

GLOBE Training and Workshops Conducted

| | | | | | | |
|----|--|--|---|-----|---|---|
| 9 | LMW and Allied Protocol Workshop for Western Visayas School | 17 November (Iloilo City, Western Visayas) | Mosquito and Allied Protocol Training (A. Larroder) | 35 | Postgrad Students, University Lecturers, and Teachers | From various schools and university in the region. Planned MASS GLOBE Stem Experiment involving 600 STEM teachers |
| 10 | LMW and Allied Protocol for Western Visayas II | 30 November (Iloilo City, Western Visayas) | Mosquito and Allied Protocol Training (A. Larroder) | 53 | Postgrad Students, University Lecturers, and Teachers | In collaboration with WV State University and DepEd |
| 11 | LMW and Allied Protocol Workshop, Saban National High School | 8 December (Moved to: 11 January 2020), Oas, Albay | Mosquito and Allied Protocol Training (J. Callope, and B. Clemente) | 108 | Community Health Officers, Teachers | In collaboration with DepEd Schools Division in Oas |
| 12 | LMW and Allied Protocol Workshop, Pili Camarines Sur | 7 December (Postponed due to Typhoon) | — | — | — | — |

Other Activities Conducted

1. GLOBE Program Orientation Meeting with BHNHS, Quezon City, **31 January 2019**. Attended and participated by Dr. Desh, Prof. Garg, Dr. Lera (School Principal), and STE Teachers of BHNHS.
2. BHNHS was awarded the 2019 IVSS Grant on **17 May 2020**. The awarding of the Grant (USD10,000) was attended by US Embassy cultural affairs in Manila.
3. BHNHS (IVSS Winner) attendance in GLOBE Annual Meeting in Michigan, U.S. on **14 - 18 July 2019**.
4. GLOBE Program Orientation Meeting with Paranaque Science High School, in Conjunction with the NASA-CAMP2Ex Visit, **10 September 2019**. Six Hundred Twelve (612) participants including 560 students who watched the local broadcast in school who could not be accommodated in the lecture hall.
5. NASA-CAMP2Ex Mission in the Philippines, **8 - 22 September 2019**. Organized by the GLOBE Program (Philippines), the event attracted 1,500 teacher and student participants from over 39 different schools from all over the Philippines (Luzon, Visayas, and Mindanao). The event was cited in the NASA Blog <https://blogs.nasa.gov/earthexpeditions/tag/camp2ex/>
6. Participation in GLOBE Thailand Science Fair. Nine (9) teachers and students from the Philippines attended the event.

In the News & Other Another Notable Accomplishment

- **10 August 2019.** Joan Bilasano Callope, Asst. Country Coordinator, and Josiah Diosanta, appeared on National TV and Radio to promote the GLOBE Program, and LMW.
- **2 October 2019.** Joan Bilasano Callope, was awarded most outstanding teacher of QC District II, and the Overall Winner of Most Outstanding Teacher in Quezon City, in recognition of her work with the GLOBE Program. Her achievement was published in all major newspaper in the country.
- **22 November 2019.** Mr. Aries Larroder, PSHS-WVC, was cited as the thrid most number of cloud observation for 30 consecutive days in the Cloud Fall Challenge, Reference: <https://tinyurl.com/rf688pt>.
- **19 December 2019.** WE SHARE - GLOBE Program. With 50 out-of-school youth from some of the poorest barangay in Quezon City, receiving school supplies, and reading/ writing workshop.
- **4 December 2019.** Ms. Joy Tolentino, PSHS-CLC, has been accepted as member of the GLOBE Diversity, Equity and Inclusion (DEI) Task Force, and has been invited to attend the task force meeting on Feb. 18 - 21, 2020 in Washington DC, and annual Globe meeting on July 11 - 16, 2020 in Washington DC.



2019 Planned Activities

2. **NASA Airborne Science Team : 2019 CAMP2Ex (Cloud, Aerosol and Monsoon Processes Philippines Experiment) mission.** September 12 - 13, 2019 at the Philippine Science High School Main Campus, Diliman, Quezon City; and Batasan Hills National High School, Barangay Batasan, Quezon City. September 14, 2019 at the Philippine Science High School Clark Campus, Pampanga City
3. **2019 GLOBE Science Fair, October 2019,** in collaboration with the PSHS System, Batasan Hills National High School, and the Quezon City Science Community Foundation Inc.
4. Launching of GLOBE Program in Nabua National High School, Camarines Sur and GOA National High School, Albay (Bicol Province)

Challenges and Problems Encountered

- Funding and Lack of Resources
- Registration for LMW
- Network/ Internet Problems
- LMW Training/ Seminar cannot be registered in the System
- Web Content Development & Social Media Networking, needs improvement

Moving Forward

- Continue to devolve the LMW to LGU's and Municipal Health Workers
- Update and Regularly populate the GLOBE Program Philippine Website with Content
- GLOBE Science Fair
- Increase IVSS Participation
- Increase Participation in Webinars, and GLOBE Challenges