



MEXT

MINISTRY OF EDUCATION,  
CULTURE, SPORTS,  
SCIENCE AND TECHNOLOGY-JAPAN



# SEAMEO-Japan ESD Award

Supporting Partner:



Bangkok Office  
Asia and Pacific Regional Bureau  
for Education

**Submission Form of 2020 SEAMEO-Japan ESD Award**  
**Theme: Addressing Plastic Problems for Transforming Communities**

The deadline for submission is now extended to: 30 September 2020  
[www.seameo.org](http://www.seameo.org)

- To participate in the 2020 SEAMEO-Japan ESD Award, please submit the information of your school’s project/programme on “Addressing Plastic Problems for Transforming Communities” by using this template of Submission Form before 30 September 2020.
- The **digital format of this Submission Form** can be downloaded from the following link or requested by sending an email to: [seameojapan.award@seameo.org](mailto:seameojapan.award@seameo.org).

[link.seameo.org/2020SubmissionFormESDAward](http://link.seameo.org/2020SubmissionFormESDAward)

- The **guidelines for submission of entries** and the **judging criteria** are detailed in page 9-12 of this document.
- **How to Submit the Entry:** Schools can submit the completed "Submission Form of 2020 SEAMEO-Japan ESD Award" and maximum of 5 supporting documents/materials to the following SEAMEO Secretariat’s email address:

Email: [seameojapan.award@seameo.org](mailto:seameojapan.award@seameo.org)

- Important Note: To align with the ESD practices and to save the environment and energy, the Committee will not accept the entry in hard copies.
- More information, please visit:

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## **PART I: Details of Your School**

1. Name of your school: **Katingal-an Elementary School**
2. Full address: **Sitio Katingal-an, Barangay Buluangan, San Carlos City, Negros Occidental**
3. Postcode: 6127
4. Country: Philippines
5. School’s telephone number (country code+city code+telephone number): None

6. School's fax number (country code+city code+fax number): None
7. School's email Address: None
8. Name of the Head Master/Principal/School Director: Wilfredo F. Nemenzo
9. Name of the Teacher Coordinator: Marissa A. Parreño/Ma. Annabelle R. Baybado
10. Email address of the Coordinator: marissa.parreno@deped.gov.ph
11. School website (if available): None
12. Educational level (Such as Kindergarten 1 to Grade/Year 9): Kindergarten-Grade 6
13. Total number of teachers in your school: 18
14. Approximately number of teachers participated in this programme: 18
15. Total number of students in your school: 387
16. Approximate number of students participated in this programme: 387

## **PART II: Information about the School's Programme**

**The information of part II from no.1 to 13 should be no longer than nine (9) pages long** of A4 in total. The information should be written in Times New Roman font, 11-12 point size.

1. Title of the school's programme

General Program: Katingal-an Solid Waste Management Program (KSWMP)  
 Sub-Program: School Will Eliminate Every Plastic Wastes (SWEEP Wastes)

2. Summary of the programme (one half to 1 page of A4 sheet size)

Katingal-an Elementary School have created a lot of various programs for the benefit of both our internal and external stakeholders, to make our school and community a clean, green, healthy and safe environment conducive for learning and living and to make our school the best when it comes to education, training and molding our school children into a talented, skillful, knowledgeable with good values and environment oriented individuals.

And one of the best program initiated since 2015 is the Katingal-an Solid Waste Management Program (KSWMP).

The KSWMP is designed to introduce and establish the solid waste management in the school to turn it into a "Zero Waste" institution. To implement best practices and system like the 5R's, in order to reduce production of solid wastes and in school and community, to train pupils, parents and the entire community on how to manage their solid wastes in school or at home and to teach and develop in them good values like disciplined, cleanliness, industriousness and the love for environment.

And the "School Will Eliminate Every Plastic Waste" or SWEEP Waste is a sub-program under the umbrella of the KSWMP also created on the same year which focus in eliminating plastic wastes and diminish its usage in school and in the entire community through reducing the used of plastic materials, using other alternative materials instead of plastics for wrapping, packaging, storage and other purposes or uses.

Several committees were organized among the teachers, parents and pupils to perform different tasks under the KSWMP and SWEEP Wastes project.

Various activities and contests were initiated, school policies were implemented and projects were constructed relative to the said program.

### 3. Background information or reasons why the school created this programme

The school have come up with the KSWMP and SWEEP Wastes programs since the school year 2015 because one of the major problem of the school is the excessive wastes production particularly plastic Added to that is the problem on solid waste management. Mostly of the pupils don't know how to manage their wastes including parents. They don't know how to throw their garbage properly.

Plastic wastes like food wrappers, empty bottled of mineral water, cups, bags and other plastic materials are the common garbage produced at large amount every day by pupils at the school premises. And even in the community plastic wastes were thrown away and make it visible anywhere.

The wrong practice of burning plastic wastes and dumping it anywhere is usually done by pupils whether in school or at home and even the parents or households which is really harmful to the environment and health.

Parents and pupils lack the value of discipline, industry, resourcefulness and love for environment.

All these turn the school and community polluted and unhealthy.

### 4. Objectives/goals of the programme

The objective of the Katingal-an Solid Waste Management Program (KSWMP) is to be able to:

1) Introduce and establish Solid Waste Management in the school and community, 2) Conduct widespread education on the Republic Act 9003 or the Ecological Solid Waste Management (ESWM Act) Act of 2000, 3) Strengthen linkages and involvement of both the internal and external stakeholders to the school in turning it into a Zero Waste Institution, 4) Transform the school and community into a clean, green and healthy environment conducive for learning and living, 5) Adopt/Rehabilitate/Improved an ecosystem, 6) Develop the knowledge, skills, talents, and attitudes of the pupils in fighting pollution and saving the environment.

The goals of the "School Will Eliminate Every Plastic Waste" (SWEEP Waste) is to:

1. Extensively eliminate plastic wastes in school and community.
2. Reduce usage of plastic materials.
3. Stop the practice of burning and open dumping of plastic wastes among the pupils, parents and community.
4. Initiate activities, projects and innovation to reduce plastic usage and stop excessive plastic wastes production in school and community.
5. Generate funds from plastic wastes

### 5. Period of the time when the programme was/has been started

The KSWMP together with the "SWEEP Waste" was started on July 20, 2015 and the said program and project continuous and were sustained until the present year.

### 6. Key knowledge, skills, attitudes/values and behaviors that the school expects to develop from this programme.

In creating, establishing and implementing KSWMP and SWEEP Waste, it is expected that pupils, parents and every household members in the community will be equipped with enough knowledge on solid waste management and applied it in their daily living, learn the bad effects of burning plastic wastes to human health and environment and stop the practice, to adopt the best practices like the 5R's (Reduce, Reuse, Recycle, Repair, Recover and Segregate), stop the littering and open dumping of garbage anywhere practice, train to use washable containers for food packaging and drinking water, use other alternative bags or basket made from native materials like abaka twine and etc. in buying goods from market or grocery store, deeply understand and strictly apply the Republic Act 9003 or the Ecological Solid Waste Management Act (ESWM act) and the City Ordinance No. 14-53 which is regulating the use of plastic cellophane and sando bags.

It is also expected that they will also develop the value of Discipline, Industriousness, Creativeness, Resourcefulness, Good Leadership, Cooperation, Innovativeness and the Love for environment.

And to strengthen the school's linkage with both its internal and external stakeholders.

### 7. Activities (Strategies/activities of implementation)

This part is important – please clearly explain all related strategies and activities that the school has implemented and brief information of each activity). Details of each activity can be attached as a part of supporting documents.

The Katingal-an Solid Waste Management Program (KSWMP) was created together with the other programs under the Katingal-an Environment Program on July 20, 2015, during the teachers' meeting in school. The "School Expel Every Paper Waste (SEEP Waste)," the Biodegradables For Fertilizer (BFF) and the "School Will Eliminate Every Plastic Wastes (SWEEP Wastes)" were the sub-programs generated under the umbrella of the KSWMP which support all its goals and purposes. The SWEEP Wastes program is the solution of the school to eliminate plastic wastes and reduce its usage not only in school but to the community as well. Since plastic wastes and its improper disposal is one of the common problem not only in school but also in the community.

It was followed with the forming of the committee and organization among teachers, pupils and parents which was held on the same year to perform specific tasks related to the solid waste management.

The Solid Waste Management Program Officers (SWMPO) which composed of pupils from grade 3 to 6 and a teacher coordinator Miss Marissa A. Parreño and assistant coordinator Mr. Rolando N. Montejo who takes charge in all operation on solid wastes management in the school as a whole. They are also in-charge of the School Material Recovery. There are also organizations for every sub-programs under the KSWMP which was organized among the pupils and teachers who serve as the teacher coordinator. Each of these deals with specific goals and functions that support the general goals of the KSWMP. These are the SWEEP Waste Action Team or SWAT took charge in eliminating plastic wastes in school and community with Mrs. Ma. Annabelle R. Baybado as the teacher Coordinator, the "School Team Expel Paper Waste or STEP Wastes who deals with paper waste problems. And the Biodegradables for Fertilizer Fun Club or BFF Fun Club who were tasked to turn biodegradable wastes like dry leaves, flower or plants into soil fertilizer for growing plants and vegetables. While the Parent Solid Waste Management Officers for every sitio/purok or zone in the barangay was also organized to help the school in reaching-out to the community for the conduct of extensive education and implementation of the solid waste management and to support all the projects and activities of the KSWMP in order to transform the entire community where the school belongs into a better community that is free from any form of wastes especially plastics.

The first year of implementation focused on the reduction of wastes production particularly the plastics since it is the most common kind of wastes produced in more quantity every day both in school and in the community. The SWMO conducts extensive education or wide spread dissemination to increase awareness on the Republic Act 9003 or the Ecological Solid Waste Management Act which mandates everyone to properly manage their wastes through symposium orientation, seminar and film viewing, distribution of brochures and flyers not only in school but to the community as well.

To ensure daily and continuous learning, to change pupils' wrong values and practices when it comes to managing their wastes and the environment, the integration of the topics related to solid waste management and environment protection and conservation in all the subjects area in all grade levels was also mandated through a school memorandum No. 001, s. 2015. Also the school memorandum No. 002, s. 2018 which is the "Conduct of Special Class Session" every 12:30-1:00 pm in the afternoon every Monday, Wednesday and Friday teaching about Environment Education Topics starting on the month of August, 2018.

The school children and parents were given orientation every opening of classes with regards to the school policies and facilities related to the solid waste management program and the implementing rules and guidelines including the penalties for every improper waste disposal or other offenses.

The first Community-based Symposium on Solid Wastes Management Act and Some City Ordinances was held last March 12, 2016 (Saturday) at the gymnasium of Barangay Buluangan, San Carlos City, Negros Occidental. This aims to promote the Ecological Solid Waste Management Act and to conduct widespread dissemination on some Environment related City Ordinances. The resource speakers are the staff from the City Environment Management Office (CEMO) while the participants are the teachers, pupils, parents, barangay officials, and the people in the community.

Followed by the second which is a joined Seminar on Environmental City Ordinances and Disaster Risk Reduction Management last September 22, 2018 held at the barangay gymnasium participated by all the pupils, parents, teachers CEMO and DRRM staff, Barangay Officials and workers.

And recently, the SBM-Wins School-based Seminar on Health and Environment Awareness happened last February 29, 2020 at the school hall with the grade IV to VI pupils, Student Supreme Government officers, All Environmental club officers, teachers and parents.

Last March 2, 2019 the school organized the first Anti-Pollution Campaign Parade to encourage the students and community to stop improper waste disposal in land, sea water and rivers, since the school is located nearer to these parts, to stop burning and open dumping of wastes specially plastics and to reduce the use of plastic materials. Streamer and flash cards were prepared by teachers, pupils and Parent-Teachers Association Officers and members, used them as campaign materials. The said parade was participated also by the Sangguniang barangay Officials headed by the Punong Barangay or Barangay Captain Hon. Desiderio Enarciso, Engr. Arthur Batomalaque as guest from the City Environment Management Office, Barangay Tanods or Guards, and some members of the Military Force assigned in the community.

And to update information and share the school's initiatives, activities on Environment management especially in solid waste, last 2018 the school launched the program "Tok Environment" or "Oplan Token" this aims to conduct house to house visitation, monitoring and to have a talk or share to every household members about environment protection and conservation, solid waste management practices and the city environmental ordinances like the "No Plastic Policy." The school also created and published the school paper "Katingal-an Environment Education Program-Update (KEEP-UP)" last March, 2019 to share the school's initiatives, projects, and best practices order to create a zero waste school.

Environmental Policies .were created, implemented and posted in signage to make it visible to all. Like the "No Plastic Allowed," "No Burning of Garbage," "No Burning of Plastic Wastes," "No Open Dumping of Garbage," "No Littering Anywhere," "No Smoking," "No Nailing of Trees," and etc.

The school also implements the "Four O'clock Habit" wherein all teachers and pupils were tasked to clean the school surroundings every schooldays at four o'clock in the afternoon.

After the series of education in school and community, the SWEEP Waste Action Team or SWAT started to introduce ways on how to reduce the more amount of plastic wastes produced in school almost every day. Due to the reason because most of the pupils are using things made of plastics and parents who are in school who looked after their children are bringing and buying foods packed with plastic including bottled water. And mostly of the items or products sold at the school canteen ere wrapped or packed with plastic like candies, biscuits, even cup noodles and etc.

The SWAT introduced reduce, reuse, recycle, repair, recover and segregate or 5R's practice. Since all the teachers from all grade level were integrating learnings or concept in solid waste management and how to protect the environment from pollution, pupils were asked to collect some types of plastic wastes either in school or at home to create or make different recycle products that could be useful to them in school or at home which serve as project. One example is the liter packed juice were turned into quality envelope and used by the pupils as their portfolio or envelope for their art materials so they would no longer buy those things, plastic bottles collected were made into plant pots and plant boxes used in the school vegetable and flowering garden, some bottles were turned into pencil case while others were reused as hygiene organizer in their classroom, Some plastic wastes were reused or recycled as instructional devices, example in Math subject, plastic drinking straws and bottled caps were used by the pupils as number counters, in Science plastic cups were turned by the pupils into improvised scientific device like wind vane that use to tell wind direction. However, the school discourage the pupils to make recycled products that are not really useful and might still cause more plastic wastes in the future. Only those recycled materials that would last longer and very useful to them.

Another strategy is that all teachers encourage their pupils from all grade level to collect some plastic wastes that can be sold out to the junk shop. And every grade level were able to earn money which they save in their class coin bank and later use their money to buy some school supplies like pens/pencils, paper pads or hygiene items for their classroom like toothbrush, toothpaste, hand soap, alcohol and etc. And in this way also the school can really help to reduce the plastic wastes in the community.

Those activities and best practices mentioned were very effective because there was an observable changes happened when it comes to wastes production not only in school but in the community as well based from the school records on the waste collection in the school Material Recovery Facility (MRF) as reported by Mr. Rolando N. Montejo the teacher in-charge of the school MRF and with the leaders of the five sitio/areas in the barangay. Although plastic wastes are still present but the amount had been reduced compared to the previous years when the program was not yet started.

But the great changes occurred when the SWAT introduced the City Ordinance No. 14-53 of 2014 first in the school then followed to the community in 2016. The law was about “Regulating the use of Plastic cellophane and sando bags.” Congruent to the said law, the school strictly imposed and announced the “NO Plastic Allowed inside the School Premises” policy during the general Parent-teacher assembly.

In implementing the said law, all pupils, parents and teachers were instructed not to bring or use plastics for packing their foods or things in going to school or in buying goods or items at the school canteen, markets, grocery or any store.

But rather encourage them to use eco bags made from fiber or sack and native baskets as shopping bags and banana leaf for wrapping goods bought from markets. In buying cook food they are instructed to bring their own container or tapper ware and also their own drinking water bottle.

The used and bringing of plastic materials like cellophane, bags, lunch box, water bottle, spoon, fork, disposable cups, drinking straws, plastic cover for notebooks or books, containers and etc. in the school is prohibited. Though there are still limited quantity of plastic used in school but they are not wastes.

The school canteen vendors and managers were no longer allowed to sell ready-made food or beverages packed with plastics but instead they will sell only home-made native nutritious delicacies or food wrapped with banana leaves or weave coconut leaves.

And to achieve the goal of “Zero Plastic Waste,” the school extended the program to the community, the Sweep Waste Active Team (SWAT) who managed the Project SWEEP Wastes initiated an innovation which is the “Basura Plastic Barter” or “Garbage Plastic Barter.” to invite the pupils and parents to pick up any plastic wastes they see in school and community and exchange it with any school supplies or selected items like kitchenware made of metals such as spoon, fork, drinking glass, food keeper and etc. The kind of item used for exchange varies according to the number of kilos of plastic wastes collected. In this manner littered or the presence of plastic wastes is no longer visible in both the school and community surroundings.

The items used for barter comes from donations and income generated from the sales of the recyclable wastes for the past years. The plastic wastes collected in the school from the barter will be segregated. Some will be sold to junkshop and the rest will be picked-up by the garbage collector from the City Solid Waste Management office.

All activities related to the program and project were held or conducted during Saturdays, Sundays or Non-Working days (Holidays) to avoid disruption of classes.

In reaching-out to the community, The school also conducted some activities to help clean the community and to encourage the total involvement of the people in making their place free from littered or plastic wastes and to have an environment friendly community especially in the seaside and river banks where many of the people in the community are keep on throwing their waste and mostly plastics. And for this reason the school initiated the move to remove the wastes thrown into the river banks and seaside.

Last February 27, 2016, the school conducted the Coastal Clean –up at Barangay Buluangan, San Carlos City spearheaded by the KSWMP officers and the SWAT. It was participated by the teachers, pupils, parents, barangay officials and Tanods (Guards). This aims to encourage the community to keep the seaside free from any kinds of wastes especially plastics. And to stop their practice of throwing garbage along the seashore. About 60 sacks of wastes were gathered and half of this number were plastics.

Aside from the school initiated cleaning activities, it also supports and actively participates in the National and International Activities just like in September 15 2018, the school joined the entire Province of Negros Occidental in the National Clean-Up Day held at Sitio Lawis, Barangay Buluangan and followed by the Simultaneous International/National Coastal Clean-Up Day last September 22 on the same year. During the said activities, about 27 sacks of wastes were collected from Sitio Lawis to Barangay Buluangan coastal area wherein mostly of the wastes gathered were plastics cellophane, bottles and containers. The number of sacks collected last 2018 was lowered compared in the year 2016.

After the series of coastal clean-up activities, the cleanliness at the seaside was maintained and sustained. Plastics and other wastes were gone and people in the community were stopped in throwing their garbage into the sea.

Another services rendered by the teachers to the community is the home visitation and monitoring conducted quarterly to ensure the sustainability of the solid waste management, the cleanliness of the surroundings and the activities they undergo to reduce plastic usage and production of plastic wastes within their respective areas.

The integration of the KSWMP and SWEEP Wastes did not only limit to the classroom lesson but also to the other school programs and celebration. The school also initiated some school-based contests with the themes are related to solid waste management, reduction of plastic wastes production and also environment protection and conservation among the students like the “Poster Making Contest” last September 14, 2016 followed by the “Create Show and Tell” using plastic wastes held in September 15, 2016 during the Science Month Celebration. “Waste Recycling Contests” held last February 27, 2017 during the Music, Arts, Physical Education and Health (MAPEH) Day Celebration and the Poster Making and Slogan writing contest held last February 27, 2020 as the school continues with the campaign on “Zero Pollution to the Environment.” These are just some of the contests organized by the school from 2015 until the present year.

All activities related to the program and project were held or conducted during Saturdays, Sundays, Non-Working days (Holidays) or during free time to avoid disruption of classes.

And when it comes to school projects, aside from the school MRF, waste bins and pits realized from previous years, the most recent is the Mural Paintings on Environment Education painted on the school fence as one form of educating our school clientele that even those who are non-readers can understand the message on the mural. The expenses in making the mural comes from the donations of some private individuals and the Parent-Teacher Association officers and members last school year 2019-2020.

Our school have been a consistent Outstanding School Awardee in the Citywide Search for Eco-friendly School from 2015-2018. But last school year 2019-2020 we are bagged as the champion among the forty-one schools who joined in the citywide Search for Sustainable and Eco-friendly School in the entire City Of San Carlos and was also awarded as Best in Documentation. And it opens another door of opportunity for our school as we are chosen to represent the city to the Provincial Seal of Good Governance Bronze Seal this school year.

Barangay Buluangan where the school belongs also made its name as it won second place for two consecutive years (2018-2019) in the citywide Search for Most Environment-Friendly Barangay and received 100,000.00 pesos from the City Environment Management Office the organizer of the said contest.

The strong linkage our school had established with both our internal and external stakeholders, the good values embedded in our students and parents and the full cooperation, hard work, dedication and industriousness of all the teachers led the way to the success of turning our school into a “Zero Plastic Wastes” institution and transforming not only our community but also the attitudes and habits of the school children, teachers, parents and people in the community.

8. Teaching and learning approaches/strategies that the school has integrated for this school programme.

One of the teaching approaches that the school had integrated is the “Project Making Method” wherein in the pupils were given the opportunity to create another useful product to be used at home or school through Recycling/Upcycling activity. Another is the “Art/Painting Method” which give pupils the chance to express themselves with regards to Cleanliness of the Surrounding, Love for Environment and etc. through drawing, painting or poster-making.

The “Contextualization Approach” which is really required for all the teachers to apply in their daily lesson. In this type of approach, the teacher uses objects, features, events, people, animals, flowers and scenery that can be found or happened only within the community. It then allows the pupils to easily relate their answers and the concept of the lesson in their local community. Just like if their lesson is about pollution in water cause by plastic wastes, pupils will be able to answer any question easily and can participate actively in class discussion about it because the community they live in is near the sea and river banks and they have witness how the people in the community pollutes these bodies of water and its effect to all.

Writing Composition approach was also integrated in a way that in English, Filipino and Mother Tongue subjects, pupils were given the opportunity to write poems, speech or essay about the concept on Solid waste management, Pollution , Plastic wastes and its harmful effects to animal, human and surroundings and etc.

9. A) Participation with the community (How the school and community work together in planning and implementing the school’s programme)

The program started with a planning among the teachers and principal. Then the result of the meeting was discussed to the barangay officials, then a general assembly for the parents was held to inform and orient them about the program, its objectives including the activities, projects and school policies.

There are teachers who were assigned to be the teacher coordinator of the five Sitios/Purok (area/zone) in the barangay. Then for every Sitio, they were told to form the Parent- Solid Waste Management Officers whose tasks is to assist and help in the implementation of the KSWMP and SWEEP Waste Project in the community.

The Parent-SWMO which comprises of the leader, secretary, treasurer and auditor attend the schedule monthly meeting with the SWMPO and SWAT in school every last Monday of the month at four o’clock in the afternoon. And then they also conduct conference or forum with their household members in their respective areas every last Saturday of the month to give updates and disseminate information with regards to the meeting they attended in the school.

The teacher coordinator in every Sitio together with the school SWMPO and the Katingal-an Environment Program Team (KEPT) conduct quarterly household monitoring and visitation to monitor and assess the implementation of the program and project in their own area.

The Parent-SWMO secretaries keep the records of the lists of household members in their respective area or sitio. And they are tasked to submit annual report on their initiated activities and accomplishment within their respective area.

The leader and the rest of the officers were also tasked to observe and report cases if their respective household members are using plastics in buying goods, or if they are burning or throwing their plastic wastes in the river, seashore or anywhere.

Upon the receiving of the reports from the Parent-SWMO, the SWMPO in the school will write a letter to the barangay informing about the case. Which then will be checked and verified by the barangay official and Tanods (guards). And if proven guilty they will be made accountable for their wrong actions.

Meanwhile, the parents participate in all the “Bayanihan or Dagyaw,” an activity where the parents, teachers, pupils, and our external stakeholders are working together and rendering services for free in school or community in achieving a certain purpose or accomplishing a specific project like the construction of school MRF, compost pile, pits and etc., Clean-up drive and also tree planting.

All the parents were instructed to join in all the initiated school activities and projects pertaining to the KSWMP and SWEEP Wastes programs.

Meetings or forum among teachers and parents were done every after class hour if it falls on a school day or during weekends to avoid disruption of classes.

B) Engagement of partners in community and their roles/contribution into the school’s programme (Please provide the name of your partners in this programme and their roles/contributions)

<b>Name of Partners</b>	<b>Roles and Contributions</b>
City Environment Management Office (CEMO)	Provide as Technical Assistant in implementing our programs and projects. And serve as resource speakers and judges
City Mayor: Hon. Renato Y. Gustillo	Provide our school cash assistance for our prizes in some contests and for the teachers’ team building activity.
Congressman Gerardo Valmayor Jr.	Provide us some construction materials like bags of cements and hollow blocks.
Mrs. Janice G. Diao	Our sponsor for the murals painted on the school fence.
Officers and Members of the Parents-Teachers Association of the school	-Extended their time and efforts in the “Bayanihan” activities in the school and community,
Sangguniang Barangay Officials	-Support all our school and community activities. -Provide us cash assistance for the prizes in all the school’s initiated contests.
Barangay Kagawad: Hon. Josephine Empuerto and Hon. Helen Geopano	-Provide snacks for the participants during Clean-up activities.

(Please add more row if it is necessary)

10. Transformation to the community and ecosystem (Brief information of activities that the school, students, and teachers have contributed for the improvement of community/ecosystem.)

The series of Clean-up activities mostly in coastal areas initiated or supported by the school along the seaside, river banks and streets or roads since 2015 serve as an eye opener to the people in the community to make them see and realize that the community they live-in is surrounded with different kinds of wastes and all most all were plastics and could bring them some diseases and health problems. Thus, the people learned to dispose their wastes properly and the barangay officials imposed the implementing rules and penalties if one will be caught throwing his/her garbage into the sea or river banks and anywhere in the community. And the seas, rivers and land area of Barangay Buluangan was now free from all kinds of wastes especially plastics.

And through the introduction and orientation conducted during the community meeting in every sitio/area on how to Reuse, Recycle and Upcycle the plastic wastes, the people in the community were able to eliminate their plastic waste at home because those plastic wastes that can be recycled like empty bottles, wrappers and cups were made by parents into new product such as house decors, pots, bags and etc. in which some were sold to earn a living while the rest of the wastes were sold out to junkshop and those residual wastes were deposited to the MRF in their community to be collected by the garbage collector.

The people also were no longer using plastic bags in buying goods at the market, grocery and other store but instead eco-bags made from fiber, native baskets, paper bags or banana leaves for wrapping.

Store owner and vendors were no longer selling plastic bags or cellophane for packaging or wrapping. While those who are buying cook food in a restaurant or store they are already used to bring their own washable container.

The production of plastic wastes was then reduced based from the monitoring conducted in every houses and the respective MRF found in some areas in the community and the record of wastes collection as recorded by the person in-charge of the City ECO-Zone, the place where the collected garbage from the different barangay are deposited after the collection.

Burning and dumping of plastic wastes by the people was also stopped not only because of the penalties one would have if once caught doing those actions but it is also because they already knew the danger it might cause them and in the environment.

The barangay officials also learn to conduct clean-up activities in the community and they also strictly implement the Republic act 9003 or the Ecological solid waste Management Act. The construction of MRF in each Sitio/Zone was made and waste bins were displayed in public areas like markets, plaza and etc.

Through the school's supports and initiatives contributed to the community, it helps in making Barangay Buluangan as the Second Most Environment Friendly barangay in San Carlos City for two years.

11. Programme for monitoring and evaluation mechanisms and summary of results

Monitoring and evaluation mechanisms:

The teacher coordinators and KEP Team conduct monitoring and assessment in the accomplishment of the programs through the use of the school-based monitoring checklist supported by other record prepared by the in-charge every end of the school year.

Summary of results:

Based from the records of the school MRF, the data in table no. 1 shows the amount of residual plastic wastes collected from 2016-2020, from the classrooms, office, canteen and ICT room.

Result shows that in the school year 2019-2020 there is no residual waste deposited in the MRF. While table no. 2, shows that on the same year, there is no income generated from the plastics bottles and other recyclables because there is also a zero amount deposits.

Therefore, the findings is that, there is no longer plastic wastes produced in school last school year 2019-2020.

Table 1



Table 2



12. Resources used for programme implementation

The resources that were utilized during the implementation of the programme are the following: Video for film viewing, publication/flyers/brochures, financial, Action Plan, Monitoring tools, computer/laptop, printer, manpower, signage, School Improvement Plan.

13. Benefits/Impacts/ positive outcomes of the programme to **students, teachers, parents and school**. Please include evidence of achievements.

(How the school's programme has transformed the behavior of students, teachers, and parents to improve the school's environment in reducing plastic usage and wastage.?)

The impact of the KSWMP and SWEEP Wastes programs to the students is that they were made to realize that they can be of great help in the school and in the community even if they are still very young because they can do something in their own little way in helping making the school and community clean and green. The students learned and applies the proper ways in disposing their wastes showing the value of Discipline, how to recycle or upcycle the plastic wastes using the value of Creativeness and Innovativeness, they were trained to become a good leader since they were given the chance to be a solid waste management officer in their classroom, and because there is no longer plastic wastes can be seen within the school ground at present, it is an evident that the learnings from the two programs were acquired by the pupils and were applied by them.

The benefits of the teachers acquired from the programs was they became more concerned about the environment conditions, how to protect and conserve the environment and to stop pollution caused by improper management of wastes. Teachers also applies the solid wastes management and the 5R's practice at home and share the learnings to their children and other family members. They avoid the use of plastic materials whether in school or at home. And their teaching related to environment or waste management becomes more interesting and easy for their students because they mostly used the contextualization approach in their class lesson.

And the great impact for the parents is that they no longer use plastic bags in marketing or buying in any store. They don't burn their plastic wastes anymore and they become more participative in all the school activities, programs and projects. The value of Discipline and the concerned for their surrounding was noted from them since there were no plastic wastes were thrown away in the seaside and river banks. They also have separate waste bins for plastic wastes, biodegradable and residual waste in their respective houses which proves that they do the wastes segregation practice. They learned how to recycle and upcycle some of the plastic wastes and earned a living from the recycled product they made.

For the school's impact, the programs turns it into zero plastic wastes institution and awarded as champion not only in solid waste management but also in environment protection and conservation.

14. Benefits/Impacts/ positive outcomes of the programme to people in community, and ecosystem. Please include evidence of achievements.

(How the school's programme has transformed the behavior of people in the community in reducing the plastic usage and wastage and improve the ecosystem of the community?)

In reaching-out to the community by the school, through the conduct of extensive education and information-dissemination drive campaign on Solid Waste Management and the city ordinances 14-53 or the "No Plastic Policy," to the different sitio/areas in the community, the people learned the proper management of their wastes, its importance and how they can contribute in making the community clean, green and healthy for living. Some of the people were forced to stop the practice of burning and dumping plastic garbage anywhere or disposing it into the sea and river banks after knowing that penalties were given to those who will be caught doing such bad action. The community people have develop the value of Cooperation and Helpfulness through the school initiated activities and projects like the "Dagyaw/Bayanihan (Heroism)," Clean-Up Drive, Tree Planting and others wherein the participation of the people was noted.

And because of the series of Coastal Clean-Up activities conducted by the school teachers, pupils and parents in the seaside and river bank since 2016 to 2018 the area was now free from plastics wastes.

All these transformation have made the Buluanan Community won as Second Place in the citywide Search for Most Environment Friendly barangay in San Carlos City from 2018-2019.

15. Plan for sustainability and plan for scaling-up/expansion

Plan for sustainability:

To sustain the KSWMP and SWEEP Waste programs the SWMO and the SWAT will initiate an annual contest in all grade level from Kindergarten to Grade 6 and among parents and community people. The Search for Most Eco-Friendly Classroom, Best ESWM Household Implementer, Song and Poem Writing Contest in which theme is focus on Eliminating Plastic wastes or Reducing plastic wastes in school or community.

For teachers the Search for Best Teaching Device out of Plastic Wastes for teachers, Best Story writing wherein the theme is about how to manage plastic waste or environment protection and conservation.

These contests can still be initiated even during this pandemic time.

And the two programs will still be included in the three-year school improvement plan from 2022-2025

Pan for scaling-up/expansion:

The present health crisis caused by COVID19 throughout the world is not a hindrance for us teachers of Katingal-an Elementary School in pursuing our goal to continuously educate and initiate activities related to solid waste management and eliminating plastic wastes.

Since face to face education is not yet allowed in our country, we will use the social media to continuously educate and disseminate information or updates about the KSWMP and SWEEP Wastes programs this time not only in local and national but internationally. We will be posting also own composition of jingle, song, and poem to express our advocacy. And we will also post how to make some plastic waste into a useful recycled product so that people can earned a living especially during this pandemic time.

And even the school's best practices, system ad innovations which made our school a zero plastic waste institution will also be shared to other schools from different places.

The school will also conduct an investigatory project which can be used as substitute for plastic wrappers for fresh fish, meat and vegetables sold in the market.

16. Interrelationship of the school programme with other Sustainable Development Goals (SDGs)  
(Please refer to page 2 in the Information Note or <https://sustainabledevelopment.un.org/sdgs>)

The Katingal-an Solid Waste Management Program (KSWMP) and the School Will Eliminate Every Plastic Wastes (SWEEP Wastes) program are connected to the different Sustainable Development Goals (SDG) of United Nations.

The integration of the programs to the school curriculum which allows teachers to use different methods or approaches in teaching and incorporating the topic to the lessons which also make the learnings of the students simple, easy and interesting because of contextualization is one prove of providing quality education to our school children. The integration of the 5R's to the lesson in the different subjects allows pupils to develop their critical thinking skills in planning what kind of recycled materials they can create from the plastic wastes. Thus developing also their creativeness and innovativeness.

And the instructional teaching devices out of plastic wastes used by the teachers in their classes which makes their teaching clear and easy for the children to understand also contributes to quality education that the teacher always aimed to give to their students.

Another SDG related to the programs is the good health and well-being. The implementation of the solid waste management, eliminating plastic wastes and reducing its usage are the solution of the school to fight pollution. The prohibition of burning plastic wastes and its improper disposal greatly contributed to the transformation of the school and community environment to a clean, green, safe and healthy surroundings which then provide the school children, parents and the people in the community a good health and a happy well-being.

Through the series of Clean-up activities conducted along the seaside and river banks, the school was able make the water ecosystem clean and safe not only for human consumption but also to the life below the water. And with this, the programs integrated the clean water and sanitation and life below Water SDG.

The participation of all school children, teachers, parents and people in the community including LGBT community, senior citizen in all the activities and projects of the KSWMP and SWEEP Wastes regardless of gender, ages, economic status, position, work and disabilities established the SDG which is the Gender Equality.

17. List of supporting documents such as a copy of the school operational plan or school management plan, action plan, learning/ teaching materials, lesson plans, samples of student worksheet, manuals, etc. If the supporting documents are in the local language, please provide a brief description in English language. Maximum of 5 supporting documents can be submitted with this Submission Form.

Document 1) School Improvement Plan 2019-2022

Document 2) KSWMP action Plan

Document 3) Sample of Students Activity Sheet

Document 4) Sample of Module

Document 5) Most Essential Learning Competencies

18. Photos related to the activity/programme (Maximum of 5 photos with captions in English)

Photo1



The people in the community uses eco bags, native baskets and net bags in buying goods in the market to reduce plastic wastes in the community.



Educational Mural Paintings in the school fence of the school Ec0-Parke one way of educating our school children and the community sponsored by Mr. and Mrs. Eduardo de Guzman of Vancouver, Canada, Mrs. Janice Diao and The Parent-Teacher Association Officers and members in the school year 2019-2020.



Quarterly Household Monitoring conducted by Mrs. Ma. Annabelle R. Baybado SWEEP Waste coordinator at Sitio Lawis, last November 23, 2019 at Mrs. Ezekiel Arnaiz store to monitor if they manage their plastic waste properly at in their home.



The School initiated activities and participation to increase awareness, the Anti-Pollution Campaign Parade Last March 2, 2019, Coastal Clean-Up and Environmental Seminar held last September 22, 2018 at Barangay Buluangan, San Carlos City, Negros Occidental



Some of the 5R'S Outputs, plant pots or boxes in vegetable gardens, Improvised light bulb out of baking soda, mineral water and plastic bottle used at the feeding center to conserve energy and hygiene organizer in classrooms.