

Waste Reduction in Local Philippine Communities Towards Disaster Resilience

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Background: Effects of Poor Waste Management

Primary Effects	Secondary Effects
Water pollution	Contamination of water supply, spreading of water-borne diseases
Environmental degradation	Increase in health risks
Clogging of canals and waterways	Increase in severity of flooding

Poor Waste Management exacerbate effects of natural disasters

- Floods subside slower because of clogged waterways.
- Communities are exposed to higher health risks due to degraded environment (i.e. leptospirosis, dengue)
- Prolonged shortage of supply of clean water
- Potential increase of frequency/severity of natural disasters

PROBLEM ANALYSIS:

Why does waste management efforts fail in the community?

- Constant monitoring is present and equipment are provided but...
 - Changes in student leadership
 - Lack of discipline among students and community members
 - Weak political willingness of local community leaders
 - Narrow appreciation of importance of waste management



GOALS and OBJECTIVES

Main goal: To establish and deepen community level appreciation and understanding of the link between zero waste management and disasters

Sub objectives

1. To integrate zero waste management with disaster risk reduction education in schools and communities.
2. To increase the sustainability of zero waste management efforts in the local community.
3. To further involve school and community leaders to sustain the project.

Implementation Stage 1

Survey and SWOT Analysis among leaders of the project

- Who are the key players of the project?
- What resources do we have?
- What are the problems we encountered in the implementation?
- What interventions can we introduce?

Implementation Stage 2

Dialogue with School and Community leaders

- Town hall meeting with barangay leaders to voice out our concerns about zero waste management and establish rapport (when possible, conversation with higher leaders)
- Discussion with teachers on how they teach zero waste management/DRR inside the classrooms



Implementation Stage 3

A. Development of Training Resources and Materials

- Teaching materials
- Posters/paraphernalia

B. Leadership Training

- Values formation for student leaders – Echo seminar of the learning outcomes from LBD Sendai
- Teacher forum on best practices in teaching DRR/ZWM
- Workshops

Implementation Stage 4

Ensuring the sustainability of the project

- Participants in our project will be asked to host their own workshop/training for their classmates/clubs
- Waste-for-supplies contest/eco-fair
- Daily waste meter posted in conspicuous areas in the school/community

Expected outcomes

Pilot implementation:
Cabangan High School

Parallel implementation:
Miriam College HS

- Establish link to learn best practices about ZWM and share these to Legazpi City

Second level
implementation: A chosen
high school in Davao and/or
Metro Manila



Division of Responsibilities

Stage	Person/s Involved and Location	Tasks/Responsibilities
1 & 2	Paraluman and CJ (Legazpi City)	Establish network and conduct survey of Cabangan High School
	Angelo and Farah (Manila)	Contact Miriam High School
	Everyone	Monitoring and information sharing
3 & 4	Paraluman and CJ	Implementation in Cabangan High School
	Angelo, Farah, Riro	Brainstorming on other sub-projects Constant status updates to UNESCO

Phase	What to do	Date
Planning	<ul style="list-style-type: none"> •Survey and share the information about waste management •Decide what we do and how we implement it •Estimate costs for this project and decide how we get it. 	3 Months
Pilot Implementation	<ul style="list-style-type: none"> •Implement in Cabangan High School •Write a report every month •Provide online progress reports in the social media page 	1 - 6 Months
Follow-up	<ul style="list-style-type: none"> •Conducting surveys (both traditional and online) to the beneficiaries of the project. •Determine whether the objectives have been met. •Plan about implementation in another school. 	3 Months

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