

Report on the Teachers Training Programme 28 and 29 July 2005 Dissemination and Utilization Phase

As part of the second phase of the PLANET 3 local versions, CEE is working intensively with 17 schools (See Annex I) located in different parts of the city of Kochi, Kerala, Southern India. The schools would be undertaking a waste management programme in their schools till December 2005.

The schools were selected to ensure that we get a good mix of the type of schools. The schools are a mix of urban, and semi-urban, in different kinds of locations e.g., islands, city centre, panchayat, etc.

The teacher training workshop held at the Lady Mount Carmel Convent Girls High School, Pachalam, Kochi on 28 and 29 July 2005, was the first of the programmes for the intensive dissemination of the PLANET 3 Malayalam version material.



Objective

- To familiarize the selected teachers with the component of the package.
- To provide opportunity to the teachers themselves experience and try out the questions and activities suggested in the Facilitators Guide
- To enable teachers to use the facilitator's guide effectively.
- To facilitate teachers in planning a school/class programme using the PLANET Package.
- To involve teachers in the process of monitoring the impact of the package on the learners.
- To orient teachers to a general understanding of EE and the approaches and methodologies to communicating environmental concepts and issues.

The Workshop

The two day workshop was divided broadly into 4 sessions. The first half in introduced the project and the "Environmental Education: What, Why, How?", in addition to the inauguration of the workshop. The second and third session went into the individual components of the PLANET 3 package, and the fourth session was a field visit to a city hospital to see how they manage their waste.

The workshop was inaugurated by the Worshipful Mayor of the Corporation of Kochi, while the inaugural address was given by the District Education Officer. 17 teachers from each of the schools and the Heads of the schools participated in the first session. The heads were invited to enable them to better understand the project and to also be introduced to environmental education.



In order to understand the effectiveness of the programme, a questionnaire was given to all the teachers to be filled in before and after the workshop (Annex II). The first form (PS 1) was given to the teachers at the time of registration and they were requested to submit the same before the workshop began. The second form (PS 2) was given to them at the end of session III, and this was submitted before the field visit. The forms were photocopied and distributed on a trial basis.



All the participants were provided with a set of the PLANET 3 material in Malayalam, and each of the participating school was given additional educational material on waste management. The materials supplied were in the form of books, manuals, booklet and posters.

The Sessions

The sessions were spread over two days from 10:00 am to 5:00 pm, please see Annex III. The sessions used a variety of approaches—presentations, games, video screening, discussions, field visit, etc.

Session I

The session began with a welcome during which the project and the partners were introduced. This was followed by the lighting of the lamp to symbolize the inauguration of the workshop. The Mayor spoke of the traditional practices in Kerala that were less waste producing and how most of the waste generated was treated within one's own home. He emphasized that for

successful implementation of waste management there needs to be the active participation of the community, and that every citizen must see it as an issue that concerns each one of us.



The District Education Officer in her inaugural address said that this was a good opportunity for the schools in Kochi to be part of a regional project and more importantly it provides a platform to help students learn about an issue that is very critical to today's environment.

Following the inaugural session, the participants were introduced to the project and the components of the PLANET 3 Malayalam version in detail. This was followed by a discussion on the roles of CEE and of the school, and a slide show on Environmental Education: What, Why, How?



Session II

The second session that followed lunch began with some icebreakers, to enable the participants to know each other better, and also to understand the importance of communication.



The Malayalam version of the animation video “Mina’s Village Says Yes to Waste Management” was screened, after an introduction to the characters, the situation and the solution. This was followed by a discussion based on the activities suggested in the Facilitators Guide.



After this the participants were introduced the Facilitators Guide and the components it has. It was clarified that the Malayalam version of the guide has basically three parts.

- i. How to use the video, poster and booklet components of PLANET 3 in the classroom.
- ii. Suggested school projects
- iii. An overview of the Solid Waste situation in India.

The day ended with a briefing on the proposed field trip.

Session III

The second day began with a warm up exercise, to highlight the need for looking around to maximize the resources, and the importance to work together as a team.



The group was divided into three groups, and each group was asked to look at the poster for the following points and to make a presentation at the end of the same.

1. The good and bad waste management practices that they see in the poster.
2. Categorize the various elements/activities in the poster as biodegradable, reusable and recyclable.
3. Are any of the good practices seen in the poster being practiced by the schools/teachers.
4. What are the good practices that they can practice at their school.



The next part of the session was the introduction of the booklet. The participants were asked to continue working in groups, and they were asked to look at the following sections of the booklet,

1. Waste in Minas Village and the types of waste
2. The impact of waste on environment and health
3. The solution to waste management

Each group looked at one of the above and used the facilitators guide to do the activities mentioned there, and then present the same to the rest of the group.



This was followed by a presentation by each of the groups.

The last part of this session was to plan the way forward. The session continued in the three groups. In this session, while two groups worked on the calendar of events, one of the groups spent time to discuss the evaluation mechanism.



The **generic outcomes** of the session on planning the way forward are:

Number of students: 20 to 40

Selecting students:

- Do an awareness programme for all students of 6 and 7.
- Introduce the PLANET 3 phase II project to the entire class.
- Make them aware that waste is a resource, and that we are now planning to do an activity towards managing waste.
- Enroll only the interested students to participate in the project.
- Identify an internal auditor for each school.

Participating Classes: 6, 7/8 (standard 8 only in some case)

Tentative plan to conduct the activities:

- It will generally be organized outside school hours.
- As there are several other activities—science club, red cross, etc., in the school, the concerned teacher would have to prioritize within these, to decide on what they plan to do for the year.
- Have an inaugural meeting for the entire school and teachers. This would be conducted by the head of the school.
- Teacher talks to students of 6 and 7 standards. About the project, screening of VCD and then select the interested students.

The suggested evaluation strategy is a multi tier mechanism in which all the partners in the project are involved. The following processes and mechanisms were suggested

- a. By implementing agency
 - i. Report submitted
 - ii. Visits
 - iii. Questionnaire to students
 - iv. Interview with co-workers/head of school
- b. Self evaluation by facilitator
 - i. Personal diary
 - i. Check list to be prepared at the beginning and then check if all has been
- b. Internal monitoring
 - i. Check list
- c. Evaluation of students by facilitator
 - i. Pre and post project survey
 1. Segregation
 2. Yes or No questions
 3. True or false statements
 - ii. Project report, seminar reports
- d. Self evaluation of students
 - i. Documenting/expressions of personal experiences
 - ii. Write letters to others
 - iii. Posters

- e. Peer evaluation among students
 - i. Exchange reports and ask them to evaluate it.

The calendar of events is given as Annex IV.

At the end of this session all the participants were provided with the evaluation questionnaire (PS 2) and a feedback form to be filled and returned before the field visit.

Session IV

The last session of the workshop was a field visit. The visit was to the Thrikkakara Grama Panchayat Co-operative Hospital Ltd at Kakkanad, Kochi. The hospital which was started by a peoples committee is actively involved in promoting waste management. The hospital segregates all its biodegradable waste, and also have their own compost pit. The hospital sells the compost and also offers its services to all interested to set up composting units. The participants got to see for themselves the processes of composting. Some of the teachers have also taken up the offer of the hospital authorities to provide them with earthworms and to develop composting units in their schools.



Learnings

1. The teachers enjoyed the process of teaching and learning.
2. Some of them have committed to develop a compost pit in their schools.
3. As an organizer it was felt that at least 3 days would be required for a similar workshop. There was very little time to share the experiences of the teachers.
4. Would be ideal to have a residential programme.
5. Screening of the video a second time would be beneficial. Some teachers also suggested that it could be more effective if we could show some of the scenes, have a discussion around it and then proceed with the screening of the remaining portions.
6. Resource person at the field trip needs to be briefed more precisely on what to discuss. Some time was spent in repeating general issues of waste that was already discussed in the class room.
7. Needed more time for briefing and debriefing in the field trip.
8. A formal closing session could not be held as the workshop ended with the field trip, and many participants left from the field site.

Observations/Anecdotes

1. Teachers expressed that the best way to learn was when the students can empathize with the subject.
2. Field visits and games are effective approaches.
3. The teachers on day 1 were more or less stayed to themselves. By the end of the programme, there seemed to be a greater understanding of each other, and more *bonhomie*.
4. Inaugural function was not very well appreciated.

Annex I**Participating Schools and their Address****Teacher Participants**

Sl. No.	Name	School address
1.	Ms. Sasikala N N	Govt. UPS Kumbalangi, Kochi – 7
2.	Ms. Grace Philo	St Antony's UPS Palluruthy
3.	Ms, Jayasree K	G H S S, Elamakkara
4.	Ms. Jessa Joseph	St Mary's UPS Kumbalam
5.	Shri. Shaji K D	St Joseph's UPS Ponnarimangalam
6.	Ms. Jessy Joseph	St. Mary's UPS Cheranalloor
7.	Ms. T M Sabeena	L F UPS Cheranalloor
8.	Shri. K R Shaiji	G H S Edakochi
9.	Ms. Princy T K	St. Mary's UPS Thevara
10.	Ms. A F Annie Lin Celia	St Rita's H S Ponnurunni
11.	Ms. Sindhu D'cunha	H. F. E. UPS Vaduthala
12.	Ms. Margret Sheena P C	St Antony's UPS, Panangadu
13.	Shri. Thomas Honey	St Sebastian's H S S Thoppumpady
14.	Ms. Daisy T L	LMCC HSG Chathiyath
15.	Ms. Philomina P M	St. Sebastian UPS Ponjikkara
16.	Shri. Joseph Sujith	St. Mary's UPS, Chittoor
17.	Sr Gracy P V	St. Joseph's UPS Kadavanthra
18.	Ms. Dhanya P V	Computer Programmer, SSA, Ernakulam
19.	Ms. Judy P J	L M C C, U P School, Pachalam

Heads of institutions

Sl. No.	Name	School address
1.	Ms. Omana Joseph P	St. Mary's UPS Thevara
2.	Ms. A A Mary	St Joseph's UPS Ponnarimangalam
3.	Ms. K L Kunjamma	St Mary's UPS Kumbalam
4.	Sr Liza Mary	St. Joseph's UPS Kadavanthra
5.	Shri. Fedrick Dennis Luiz	H F E UPS Vaduthala
6.	Ms. M J Mary Theresia	L F UPS Cheranalloor
7.	Ms. Alphonsa H Thaliath	St Mary's UPS, Cheranalloor
8.	Ms. M B Sarada	Govt. UPS Kumbalangi, Kochi – 7
9.	Ms. Gertrude T J	St Antony's UPS Palluruthy
10.	Shri. P A Justin	St. Sebastian UPS Ponjikkara
11.	Ms. Karmaly K P	St Antony's UPS, Panangadu
12.	Sr. Christina	L M C C H S G, Pachalam
13.	Shri. Antony Frank	St Rita's H S Ponnurunni
14.	Ms. Graciamma Joseph	G H S S, Elamakkara
15.	Shri. P J Austin	St Sebastian's H S S, Thoppumpady

Annex II

Questionnaire for evaluation, given to participants before and after the event.

(attached as separate PDF file PS2)

Annex III**Workshop Schedule, Utilization and Dissemination Workshop of PLANET 3 Malayalam Version**

Date: 28 and 29 July 2005

Venue: LMCC High School, Pachalam, Kochi, Kerala

Day 1, 28 July 2005

Time	Session	Resource Person/Facilitator
10:00 to 10:05	Welcome	Sunil Jacob Programme Officer, CEE
10:05 to 10:15	Inauguration	Shri. C M Dinesh Mani Worshipful Mayor of Kochi
10:15 to 10:25	Inaugural Address	Dr. Baby Usha Kiran District Education Officer, Ernakulam
10:25 to 10:30	Vote of Thanks	Shri. N P Dominic Consultant, CEE
10:30 to 10:45	Tea	
10:45 to 11:00	Introduction of participants	CEE Team
11:00 to 11:30	Introduction to the Project, and PLANET 3 Malayalam components.	Sunil Jacob
11:30 to 12:00	Roles of CEE and schools.	Sunil Jacob
12:00 to 1:00	Discussion on EE: What, Why, How and some approaches	Sunil Jacob
1:00 to 2:00	Lunch	
2:00 to 2:30	Getting to know each other better (Ice breaker)	Sunil Jacob
2:30 to 3:30	Screening of video and activities	Sunil Jacob
3:30 to 3:45	Tea	
3:45 to 4:00	Using the Facilitators Guide	Sunil Jacob
4:45 to 5:00	About field visit	N P Dominic

Day 2, 29 July 2005

Time	Session	Resource Person/Facilitator
10:00 to 10:15	Warm up sessions	Sunil Jacob
10:15 to 11:20	Using the poster and booklet	Sunil Jacob
11:20 to 11:30	Tea	
11:30 to 1:30	Planning for school programme using the package.	Prof M K Prasad
1:30 to 2:15	Lunch	
2:30 to 5:00	Field Visit, Thrikkakara Grama Panchayat Co-operative Hospital Ltd Kakkanad	CEE Team and Shri Abbas at the hospital

Annex IV

Calendar of events

SI No.	Activity	Aug	Sept	Oct	Nov	Dec
1	Inauguration and start of project in school					
2	Identification of project area and projects					
3	School activities					
4	School event					First Week
5	Cluster event					End of month
6	Monitoring and review visits by CEE consultant to all schools					
7	Review visit by CEE (all schools)		Third Week			
8	Mid term review Workshop			Middle		First Week
9	Visit by ACCU Team, Japan					First Week
10	Reporting school activities					End of month

PLANET 3 Malayalam, Dissemination and Utilization Phase

Pre-project Survey 2

Name

Class/es you teach

School

Date

This should be filled and returned immediately

I. Write **FIVE** new words that you associate with the word 'Waste'

I.

i. _____

ii. _____

iii. _____

iv. _____

v. _____

II. Answer as **True (T)** or **False (F)**1. Any material that is no longer useful is called Waste.

1.

2. Waste can cause health problems

2.

3. Throwing away things is also a waste of natural resources.

3.

4. Burning of plastic can harm human health

4.

5. Waste can be used to make new products

5.

6. Changing our habits and lifestyles can lead to reduction in waste.

6.

III. Put the following waste according to the categories
III.

Type of Waste	Wet	Dry	Toxic	Biomedical
Paper pieces				
Used bandages				
Vegetable peels				
Plastic bags				
Battery cells				
Syringes				
Glass bottle				
Pesticides/insecticides				
Fruit				
Leftover food				
Cut grass				
Leaves				
Old medicines				
Tin can				

IV. What will you do with the following waste? Also say whether each action is an example of: Reduce, Reuse, Recycle, Refuse?

IV.

Item	Action	Examples of		
		Reduce	Reuse	Recycle
Leaves				
Plastic bags				
Leftover food				
Old Newspaper				
Bottles				
Used notebooks				