

PROJECT TERMINAL REPORT

(Non-R&D)

Project Title : Strengthening the Capacity of Science and Mathematics Teachers on Disaster Risk Reduction and Management (DRRM)

Cooperating Agencies/ Institutions:

Visayas State University (VSU)
Central Luzon State University (CLSU)
Mariano Marcos State University (MMSU)
Bicol University (BU)
Department of Education (DepEd)

Activity : Trainers' Training Program

Accomplishments :

METHODOLOGY/IMPLEMENTATION STRATEGIES:

The trainers training was conducted among a total of 147 teachers from selected districts of Nueva Ecija, Ilocos Norte, Albay and Leyte provinces in the months of April and May 2011. In the said provinces, the following institutions/RSTC's (Regional Science Training Center) served as training sites: Central Luzon State University (CLSU), Mariano Marcos State University (MMSU), Bicol University (BU) and Visayas State University (VSU).

The training content was developed through inputs gathered from experts of PAGASA, PHIVOLCS, OCD, and MGB. Resource persons tapped to deliver lectures also came from these offices. The training program lasted for 5 days, with an additional day devoted for technical tour to PAGASA and PHIVOLCS stations.

To set the over-all direction of the project and provide technical advise on the implementation, a National Steering Committee was formed. This was composed of experts from agencies directly involved with disaster management and education. In addition, an Inter-Agency Committee Working Group (IAC-WG) and Regional Training Coordinators composed of coordinators/representatives of the various regions was formed to take charge of the delivery of the project in the respective area (Annex 1).

RESULTS:

Participants of the Training Program

The participants for the training program were identified through the assistance of DepEd Central, Regional and Division Offices and University training coordinators, taking into consideration the criteria set by the National Steering Committee which were the following:

I. DepEd Trainers

- 12 elementary school master teachers in science and math, actually teaching and have specialization in the discipline (must be grade 5 or 6 teacher)
- 12 HS Master teachers in science and math and have specialization in the discipline

II. Faculty of Partner Universities

- 4 representatives handling environmental and earth science courses
- 4 representatives from the faculty of BS Meteorology consortium program
- 3 representatives from the Science Education faculty

Conduct of Trainers Training

Training Venue	Training Dates	Technical Tour
Visayas State University Baybay, Leyte	April 25-29, 2011	April 30, 2011
Central Luzon State University Science City of Muñoz, Nueva Ecija	May 9-13, 2011	May 16, 2011
Mariano Marcos State University Laoag City, Ilocos Norte	May 9-13, 2011	May 16, 2011
Bicol University Legaspi City, Albay	May 23-27, 2011	May 28, 2011

As shown in the table the trainers training was conducted in four (4) partner universities on the dates stated above. As a culminating activity, a technical tour was also conducted to expose the participants to the various equipment introduced during the training and how they function in forecasting and monitoring of natural disasters. For the VSU participants, the tour was done in PAGASA Tacloban City and PHIVOLCS Palo Seismic Station. Participants from Bicol University, on the other hand, visited the PAGASA Legaspi City Station and PHIVOLCS Mayon Volcano- Lignon Hill Observatory.

A joint tour for MMSU and CLSU participants was organized. PAGASA and PHIVOLCS main offices in Quezon City were visited.

Profile of Participants

The training program targeted thirty five (35) participants for each training venue. There was a 32% increase in the number of participants in VSU due to requests of VSU President, Dr. Jose Bacusmo and DOST-8 Regional Director Engr. Edgardo Esperancilla for additional slots. BU and MMSU fell short of the target with 32 and 34 participants, respectively. CLSU generated 35 participants. A total of 147 teacher-trainers were capacitated on DRRM, higher than the overall target of 140.

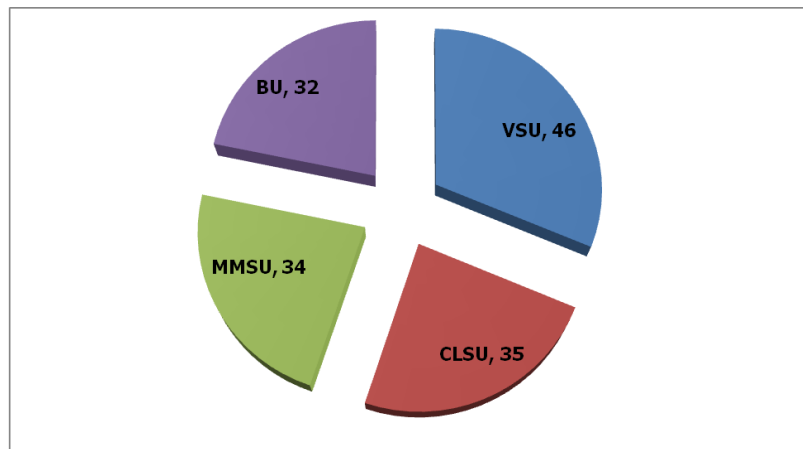


Figure 1. Distribution of participants by University/ Training Venue

There was a high turnout in the number of faculty members who attended the training at VSU compared to BU, while a comparable number at MMSU and CLSU (Figure 2). Twelve (12) teacher-participants from elementary and secondary levels were targeted for this training. The number of elementary teachers met the target, with VSU having 13. On the other hand, the number of secondary school teachers exceeded the target except in MMSU (VSU,13; CLSU,13; MMSU,11 and BU,14).

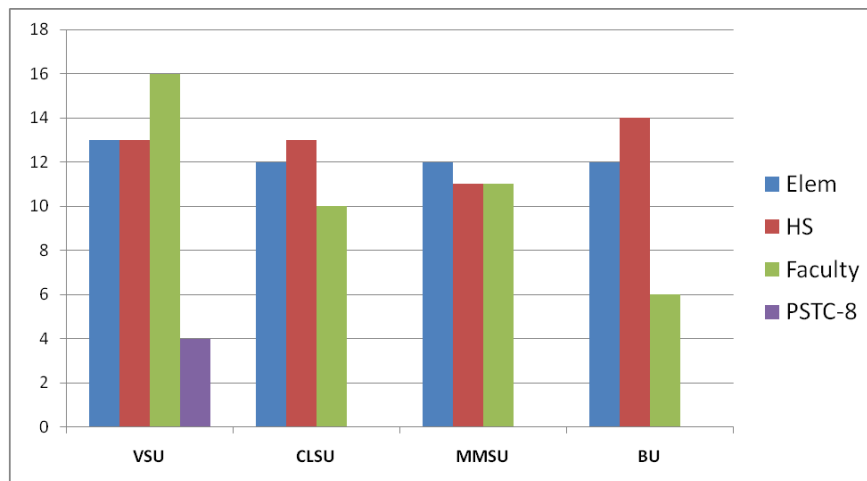


Figure 2. Distribution of participants by level

The distribution of participants by Gender in all training venues revealed that it was female dominated, as shown in Figure 3. From the total number of 147, only 40 were Male and the remaining 107 were Female or a Male, Female ratio of 1:2.68.

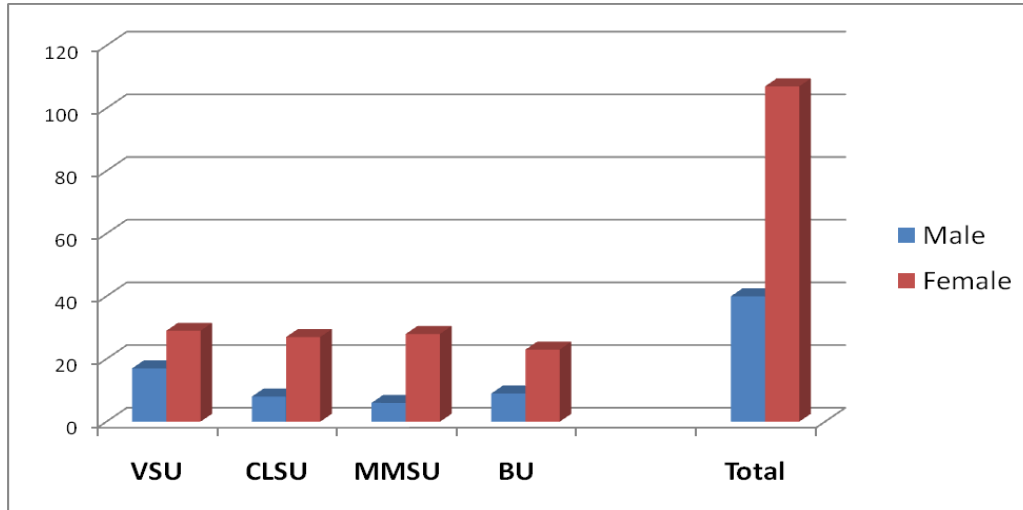


Figure 3. Distribution of participants by Gender

DepEd teacher-participants were selected from the Schools Division covering the training venue and nearby Divisions. This was to ensure accessibility for the participants considering that the activity was a live-out program. The number of representatives from identified Schools Divisions is presented in Table 2.

Table 2. Number of participants by Division

DepEd Division	Number of Representatives
Leyte	29
Nueva Ecija	11
San Jose City	3
Science City of Muñoz	11
Ilocos Norte	23
Legaspi City	8
Albay	7
Ligao	2
Tabaco City	3
Sorsogon City	2
TOTAL	99

Although the criteria set by the National Steering Committee (NSC) for DepEd teacher-participants should have a teaching position of Master Teacher (MT), the training program gathered teachers with Teacher- 1, Teacher 2 and Teacher-3 positions. The major factor identified was the small number of teachers holding MT position from the classified DepEd Division of Schools. Figure 4 presents that the number of teachers in all venues with MT1 positions outnumbered the number of other teaching positions.

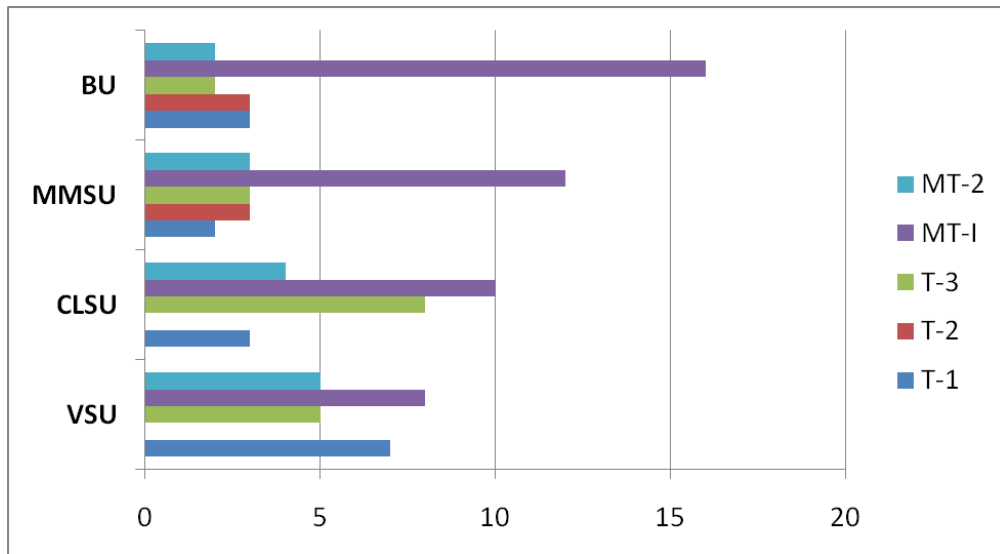


Figure 4. Distribution of Deped teacher-participants by Teaching Position

Science and Mathematics (S&M) teachers were identified as participants for this training program considering that they have basic knowledge in the science related to DRRM. Among the 99 DepEd elementary and secondary school teachers, fifty five (55) were teaching Science and forty four (44), Mathematics (*Figure 5*).

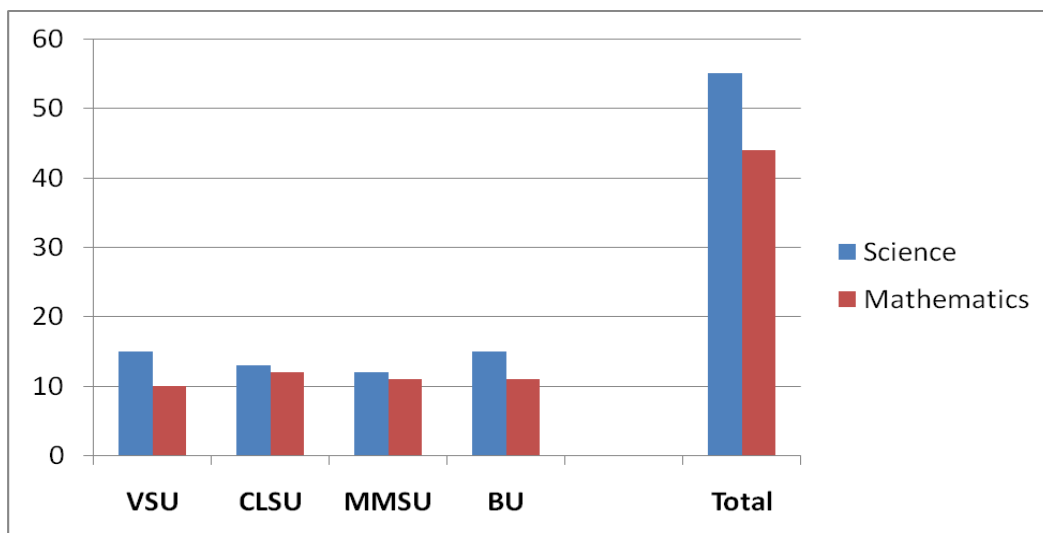


Figure 5. Distribution of DepEd teacher-participants by subject specialization.

Output Generated

Part of the program was the preparation of Action Plan or the list of activities the participants intend to do after the training program. Participants prepared the said Action Plan by group: Elementary, Secondary and the University Group.

A. Visayas State University

❖ VSU Group

ACTIVITIES	OPR	WHEN
Submission of Activity Report to the Office of the President through the Vice President of Administration and Finance	Dr. Roberto C. Guarte and all the VSU participants of the DRRM training	May 9, 2011
Request a Memo from the Office of the President regarding the formation of the AdHoc committee on the formulation of DRRM	Prof. Efren Saz	May 9, 2011
Planning Meeting of the Pool of Trainers (review of modules, IEC materials and tasking, GIS group for mapping)	Prof. Efren Saz – designated by the Office of the President as lead person of the DOST=SEI activities	May 11, 2011
Request of specific Fund Allocation for Disaster Preparedness (.5% of VSU Income ~ PhP 1.25M)	Dr. Roberto C. Guarte	May 11, 2011 (request for income will require BOR approval)
Formalization of the DRRM Council and various teams of VSU to include the group who will work on the modules and IEC materials	Prof. Efren Saz	May 18, 2011
Formalize Agreements with the different offices such as OCD, Red Cross, BASERT, BFP, ACCESS, RHU and WLPH, PNP, DPWH, Barangay Officials, LGU	Office of the President in collaboration with the Legal Office of VSU	May-June 2011
Conduct of capability training of respective DRRM teams (ex. First Aid, Rescue, Evacuation, Disaster control, etc)	Prof. Efren Saz and respective teams	June 3, 2011

Conduct of 1 st semester DRRM Training for VFES, VSU-LHS, Dormitories, Offices	Respective Team Leaders	Jul-Aug 2011
Post training evaluation by the respective teams	Respective Team Leaders	Nov 2011

- ❖ Teacher-participants from elementary and secondary school level committed themselves to coordinate with their SDS and respective school heads for the conduct of echo seminar.

B. Central Luzon State University

OCD Regional Director Ms. Neri Amparo facilitated the Way Forward activity where participants committed to conduct echo seminar to respective schools.

C. Mariano Marcos State University

- ❖ MMSU Group

ACTIVITY	WHEN	WHO
1. Organize Disaster Control Group	ASAP	MMSU Participants, AdCo, SSD
2. Re-echo Seminar-Workshop	June 22, 2011	MMSU Participants/ NSC, SEI, PAGASA, PHIVOLCS
3. Prepare proposal for Curriculum Integration	ASAP	Curriculum Committee
4. Production of IEC Materials	Year-Round	CMR
5. Installation of Early Warning System	ASAP	PPGSD
6. Community Trainings	2 nd Quarter	Extension Division

- ❖ ELEMENTARY GROUP

ACTIVITY	BY WHOM	BY WHEN
1. Re-echo Seminar	DepEd Officials Trainer	June 2011
2. Organize School Disaster Brigade	School Administrators Teachers PTA	June 2011 (Opening of Classes)

	Stakeholders	
3. Organizing Disaster Drills on a. Earthquake b. Fire c. Flood	School Administrators Teachers PTA Stakeholders	Quarterly
4. Conduct Community Information Dissemination Drive	DepEd Officials Trainers Barangay Officials	July-Aug 2011

❖ SECONDARY GROUP

ACTIVITY	PERSONS INVOLVED	TIME FRAME
1. Re-echo • Division DCG	Seminar Participants Division Personnel	June 2011
2. School Re-echo • School DCG a. Info drive/ identify the hazards - School - PTA - Barangay Assembly b. Mitigation/ Adaptation c. Monitoring d. Evaluation e. Sustainability	School Teachers Principals Head Teachers Parents Brgy. Officials LGU's	July 2011 Year-round Year-round Year-round

D. Bicol University

❖ ELEMENTARY GROUP

ACTIVITY	PERSONS INVOLVED	AGENCY INVOLVED	TIME FRAME
A. 1. Planning for a division level DRRM training	DRRM Trainers	DepEd	June 13, 2011
2. Preparation of the training design	DRRM Trainers	DepEd	June 15, 2011
B. 1. Submission of the training design for approval	DRRM Trainers	SDS Education Supervisors in Science & Health, Math	July 17, 2011
2. Finalization of the training design	DRRM Trainers	DepEd	June 23, 2011

C. Conduct of the Training	DRRM Trainers	DepEd, DOST, OCD, MGB, PHIVOLCS, PAGASA, APSIMO, CDRRM, MDRRM	July 6-8, 2011
D. Evaluation of the Training	DRRM Trainers	Division Science and Math Supervisors, DRRM Trainers	July 8, 2011
E. Monitoring	DRRM Trainers	DepEd	Year Round

❖ SECONDARY GROUP

ACTIVITY	BY WHOM	TO WHOM	BY WHEN
1. Pre-planning	Core Group		Last week of July
2. Planning	Core Group	SDS, ES, School Heads, MDRRMC/CDRRMC	1 st Week of August
3. Echo Seminar Workshop on "Strengthening the Capacity of S&M Teachers on DRRM"	Core Group, SDS, ES, School Heads, MDRRMC/CDRRMC	Division Office PAGASA PHIVOLCS MGB OCD	Last week of August
4. Organize SBDRRMC	Participants in the Echo Seminar Workshop and School Heads		1 st Week of September
5. Monitoring	Core Group		2 nd week of September

❖ BICOL U. GROUP

ACTIVITY	TO WHOM	BY WHOM	WHEN
Seminar: "Strengthening the Capacity of Bicol University Teachers, Non-Teaching and Students on DRRM	All BU Campuses-related offices and students (CN, CE, CS, CAL,CBEM, CSSP, IPESR, CENG, CIT, Polangui Campus, Gubat campus, CAF, Tabaco Campus, BUGS) Note: Each unit should send participants for the formation of BU-DRRMC	DRRM Trainers	July
Fire and earthquake drill	-do-	BFT, OCD 5	July 2011

Basic Life Support Training	-do-	Red Cross, DOH- BRTTH, AHEM	October 2011
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Program Evaluation:

The evaluation forms distributed during the training program were gathered and analyzed. Results showed very positive feedback on aspects like topic, lecturer, delivery, venue, materials, food and facilities. In a scale of 1-5, with 1 as the lowest and 5 as the highest, the responses ranged from 4-5 only. The result was true for the four venues where the training was done.

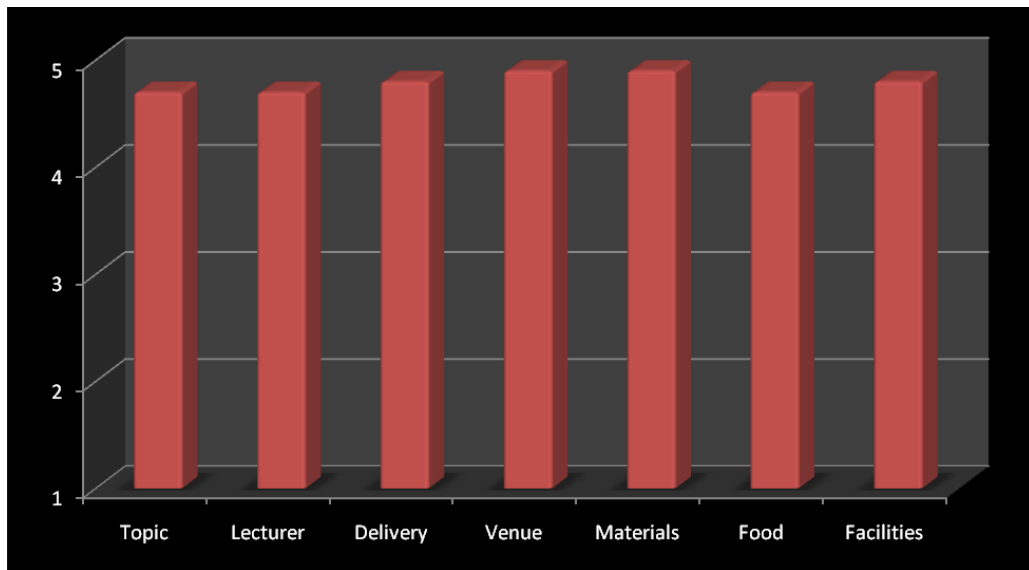


Figure 6. Evaluation of training particulars

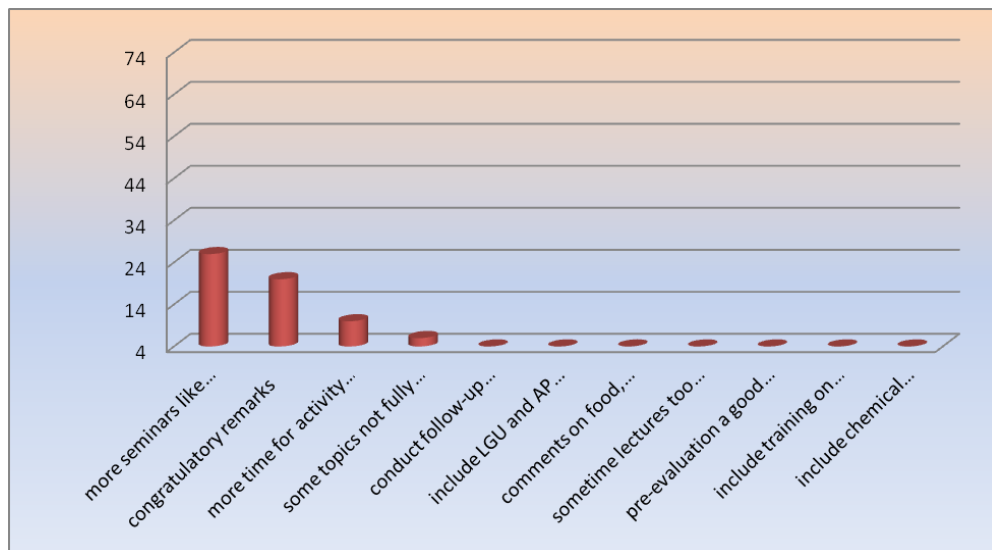


Figure 7. Other comments of participants

Figure 7 shows other comments gathered from the evaluation form. Generally, they were positive comments, while others were constructive criticisms and recommendations on how to improve the project.

Annex 1

List of Personnel Involved:

I. National Steering Committee (NSC)

Chair	: Dr. Leticia Catris	Deputy Director, DOST-SEI
Members	:	
	Engr. Nonilo Peña	DOST- PCIERRD
	Ms. Ma. Mylene Villegas	DOST- PHIVOLCS
	Ms. Maria Cecilia Monteverde	DOST- PAGASA
	Ms. Fe Villalino	DepEd- Bureau of Elementary Education
	Mr. Jose Tuguinayo, Jr.	DepEd- Bureau of Secondary Education
	Atty. Priscilla Duque	NDRMMC- Office of Civil Defense
	Mr. Raymond Thaddeus Ancog	DENR- Mines and geosciences Bureau
	Dr. Ruby Ephraim Rubiano	AGHAM Party-List

II. Technical Staff/ Secretariat

Ms. Lilia Lauron	DOST-SEI
Ms. Cynthia Gayya	DOST-SEI
Ms. Joan Salise	DOST-SEI

III. Training Staff and Resource Persons by Training Venue

A. **Visayas State University**

- Training Coordinator - Dr. Jose Bacusmo
- Training Support Staff - Prof. Efren Saz

Resource Persons:

PAGASA	1. Mr. Raymond Thaddeus Ancog
1. Mr. Vicente Palcon, Jr.	
2. Ms. Sharon Juliet Arruejo	PHIVOLCS
3. Mr. Roy Badilla	1. Ms. Ma. Mylene Villegas
4. Mr. Renito Paciente	2. Ms. Lucille Rose del Monte
5. Ms. Daisy Ortega	3. Mr. Nemesio Cañete
6. Ms. Rusy Abastillas	
	OCDRC-8
MGB	1. Mr. Rey Gozon

B. Central Luzon State University

- Training Coordinator - Dr. Teodora Battad
Training Support Staff - Ms. Ma. Corazon Vera Cruz

Resource Persons:

PAGASA

1. Dr. Carina Lao
2. Mr. Niño Relos
3. Mr. Roy Badilla
4. Mr. Renito Paciente
5. Ms. Edna Juanillo

MGB

1. Mr. Raymond Thaddeus Ancog

PHIVOLCS

1. Ms. Ma. Mylene Villegas
2. Ms. Isabel Abigania
3. Mr. Wilmer Legaspi

OCDRC-3

1. Ms. Neri Amparo
2. Mr. Roberto Manalo

C. Mariano Marcos State University

- Training Coordinator - Dr. Miriam Pascua
Training Support Staff - Dr. Lily Ann Pedro

Resource Persons:

PAGASA

1. Mr. Vicente Palcon, Jr.
2. Mr. Joel Jesusa
3. Ms. Rosalie Pagulayan
4. Ms. Ma. Cecilia Monteverde
5. Ms. Daisy Ortega
6. Ms. Rusy Abastillas

PHIVOLCS

1. Mr. Julio Sabit
2. Ms. Lucille Rose del Monte
3. Mr. Julius Galdiano

OCDRC-1

1. Mr. Andrew Alex Uy
2. Ms. Imelda Acosta

MGB

1. Dr. Maybellyn Zepeda

D. Bicol University

- Training Coordinator - Dr. Fay Lea Patria Lauraya
Training Support Staff - Ms. Cristy Balunsay

Resource Persons:

PAGASA

1. Mr. Vicente Palcon, Jr.
2. Mr. Joel Jesusa
3. Ms. Rosalie Pagulayan
4. Dr. Landrico Dalida, Jr.
5. Dr. Carina Lao
6. Ms. Edna Juanillo

PHIVOLCS

1. Mr. Eduardo Laguerta
2. Ms. Lucille Rose del Monte

OCDRC-5

1. Mr. Florito Dapena

MGB

1. Ms. Arlene Dayao