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QUARTERLY REPORT

1 April – 30 June 2014

Resilient Environment through Active DRR Initiatives (READI)

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1. Executive Summary

Progress to date

- The cumulative number of BPBD staff trained in disaster preparedness and management totals 186 people: 95 from BPBD Meulaboh/Aceh Barat, 25 from BPBD Mentawai, 21 from BPBD Bengkulu, 26 from Nias and Gunungsitoli, and 19 people from BPBD Padang. The total participation reached 372% of the original 50-person target.
- 107 BPBD staff (36 from BPBD Meulaboh, 17 from BPBD Mentawai, 16 from BPBD Bengkulu, 20 from BPBD Nias/Gunungsitoli, and 18 from BPBD Padang) were evaluated on the knowledge retained two months after the training. The total staff evaluated reached 268% of the 40-person target. Of the staff evaluated, knowledge retention progress reached 58%, with an 80% target.
- The program developed six (6) hazard risk reduction plan documents; five (5) vulnerability and capacity assessments (VCAs) and one (1) tsunami evacuation map of Padang. The progress on hazard risk reduction plan documentation has reached 120% of the targeted 5 documents.
- A projected 467,056 people in Padang (50% of the population) and in Bengkulu (12.5% of the population) have access to an improved emergency warning system for earthquakes and tsunamis. The governments (BNPB, BPBD West Sumatra, and BPBD Padang) constructed 31 siren units in Padang City and BMKG constructed two (2) siren units in Bengkulu. The percentage of individuals with increased access to an emergency warning system has reached 28% of the total targeted 1,679,289 people.
- The program identified a total of 113 buildings as potential vertical shelters, which is 226% of the original target of 50 buildings. In addition, 21 hills and highland areas surrounding the villages were identified as evacuation sites, reaching a total number of 134 potential evacuation sites: 98 sites in Padang, 9 sites in Meulaboh; 21 sites in Nias/Gunungsitoli; and 6 sites in Bengkulu.
- The number of people with access to evacuation routes totals 374,965: 154,925 in Bengkulu 115,000 in Nias; 35,500 in Aceh Barat; 5,120 in Mentawai; and 64,420 in Padang. This work has reached 375% of the original target of 100,000 people.
- The number of people participating in simulations/drills totals 10,826: 1,404 from Nias/Gunungsitoli; 3,196 from Padang; 2,212 from Mentawai; 2,514 from Aceh Barat; and 1,500 from Bengkulu. This simulation reached 108% of the targeted 10,000 people.
- An estimated 1,462,293 people within broadcast range of the AM/FM radio frequency are able to receive hazard information broadcasts: 640,752 in Padang (75% of population); 58,883 in Mentawai (75% of population); 261,196 in Nias/Gunungsitoli (100% of population); 182,364 in Aceh Barat (100% of population); and 319,098 in Bengkulu (100% of population). This progress has reached 146% of the targeted 1,000,000 people.
- In Mentawai Islands, 21 evacuation routes, totaling 3,916 meters, have been repaired and are easily accessible to the community. 2,000 people have participated in evacuation simulations and have access to evacuation routes.
- The READI program has been extended with the new grant end date on 31 December 2014.

Challenges

- Staff rotation occurred in BPBD Padang on 28 April 2014. Four BPBD Padang staff members were moved to other agencies, two of them, Arfian (Emergency and Logistics) and Rudi Rinaldi (Secretary of BPBD Padang), were very active in various activities of the READI program.
- Following the local election in April, the new Mayor and Deputy Mayor of Padang took the oath of office on 13 May 2014, following an inauguration ceremony. This has delayed some of the coordination meetings and somewhat slowed the program progress.
- The installation of early warning systems consists of a lengthy process. The development of an SOP for developing the link between EWS and radio stations is still in the stage of discussion and agreement. In addition, BNPB has yet to issue technical guidelines on vertical shelter certification

for tsunami evacuations. As such, the training of BPBD staff on these SOPs may require additional time and follow up trainings during the subsequent quarters.

- The draft earthquake and tsunami SOP for Nias has been submitted to parliament for use as an official document, but it has been more than six (6) months since the submission without a vote to approve. Given these delays, there has been no progress at the district parliament level to move forward with new operating procedures.

2. Program Overview

Program goal

Build disaster risk reduction (DRR) capacity and enhance resilience of vulnerable urban coastal populations in Sumatra. The objective of the program is to ensure that government officials and vulnerable communities in the target areas have increased knowledge of risks and mitigation measures and the skills to apply DRR models and to improve their access to a functional emergency information infrastructure.

Beneficiaries

The total population of the five target areas is 1,679,289, which covers Bengkulu (313,320), Padang (847,567), Meulaboh/Aceh Barat (182,565), Mentawai (77,078), and Nias (258,759). Nias encompasses Nias District (131,377) and Gunungsitoli (127,382).

3. Performance Summary

Refer to *Annex 1* for a summary table of progress indicators and beneficiaries.

Awareness Campaign and Pro-active Engagement

The sub-grant agreements with Jemari Sakato, L-Samaeri, and CP-WCC ended on 31 March 2014 as scheduled; the sub-grant agreements with READY and YPS-NGO ended on 28 February 2014 as scheduled.

The partner NGOs have completed disaster awareness campaigns and community involvement under the READI program. . In the last quarter, the disaster awareness campaign continued through the mass media newsletter. Refer to *Annex 2* for disaster information and program activities collected and disseminated through READI program newsletter, SIGAP. This was the sixth issue of the newsletter under the program and has been distributed to all stakeholders in the five program areas. The newsletter has been effective in drawing attention to disaster information, increasing their knowledge and awareness about DRR, as well as mobilizing people to participate in disaster risk reduction activities. Likewise, DRR related radio broadcasting is expected to increase public knowledge and awareness of DRR issues. In the interactive dialogue with the speaker, people seemed enthusiastic to ask questions over the telephone. To attract more young people who care about DRR, off-air activities, in collaboration with the private sector, are being discussed as part of the development of the radio DRR programming .

Evacuation Maps

As of this quarter, 4,206 evacuation maps of Padang City have been distributed to the village offices, sub-district offices, government offices, and private sector offices such as banks, schools, hotels, and throughout the community via events and exhibitions. A total of 1,000 sheets of the map were printed by PT. Semen Padang and distributed at the exhibition events: Mentawai Megathrust Disaster Relief Exercise (MMDirex from 20-23 March 2014 and DRR Padang Forum on 5 June 2014.



Picture 1. Evacuation map of Bengkulu City.

The evacuation map of Bengkulu City has been finalized and approved by the Government of Bengkulu for printing and distribution. Approximately 1,000 sheets of the map will be printed and distributed to all stakeholders in Bengkulu City, including government agencies, schools, the private sector, NGOs, and

communities. The evacuation map of Aceh Barat is still under discussion and is expected to be finalized and approved by the Government of Aceh Barat in the next quarter.

Capacity Building

Additional training was conducted on 15-18 April 2014 for BPBD staff in Aceh Barat as part of a rapid response team. Training was facilitated by BNPB trainers, namely Adjat Suajat, Kheriawan and Major Hasto, and the workshop was attended by 45 people. Staff from other government agencies, who are members of the rapid response team in Aceh Barat, were also involved. These departments included the Health Department, Public Works Department, Social Department, Department of Transportation, Department of Agriculture and Livestock, Search and Rescue (SAR), police, military, and the Indonesian Red Cross (PMI).



Picture 2. BPBD Aceh Barat Staff Training.

Training for BPBD Mentawai staff for the rapid response team was held on 23-26 April 2014. A total of 90 people attended the training in Tuapejat, which was conducted by trainers from BPBD Sumatra Barat Province and Mercy Corps Indonesia.

Vertical Shelter

The team coordinated with BNPB for the potential socialization of guidelines and in this regard also met with owners of privately owned buildings which are considered potential vertical evacuation shelters. A draft agreement between the owner of the building and BPBD Padang is under discussion, and another meeting or workshop to continue these discussions is planned for next quarter (TBC).

Enhanced Emergency Information System (Emergency Masts)

The procurement process for contractor selection for installation of the Early Warning System hardware moved to the final stage in this quarter. Based on the analysis, CV. Andalas Karya Anugrah Ilahi (CV. AKAI) was chosen to implement the activity. The contract was signed on 9 June 2014. In Padang, the team will focus on the improvement of the EWS system and installation of billboard (60x200 cm) to display earthquake/tsunami information in real time.

AM/FM Emergency Radio Broadcasting

The READI program agreement with all radio stations for DRR broadcasting through talk show ended in May 2014. Following the end of this activity, DRR broadcasts were evaluated by Mercy Corps, BPBD, radio stations, and the private sector. Local private companies are interested in supporting a similar DRR broadcasting event which may include hours of broadcasting, broadcasting type, and material/topic to be broadcasted. In the last quarter, it was agreed to continue DRR broadcasting with a new format. The meeting was held on 19 June 2014.

The meeting to discuss the SOP for radio EWS in Padang was held on 21 May 2014 and was attended by BPBD Padang, Classy FM radio, and Mercy Corps Indonesia. The draft SOP for radio EWS will be prepared in accordance with SOP EWS Padang and discussed internally first and tested before it is applied in the simulation with BPBD Padang.

Partnership

Together with local NGOs, CDRM¹, and BPBD Nias an evacuation simulation in Nias is planned for July 2014. A total of 500 people are expected to attend from the surrounding communities.

¹ CDRM & CDS – Center for Disaster Risk Management & Community Development Studies. This is under HKBP Nommensen University – Medan, North Sumatra.

To activate the disaster risk reduction activities in Padang, Mercy Corps initiated the formation of the DRR Padang Forum. The first meeting was held in Mercy Corps' office on 29 April 2014 and the second meeting was held on 6 May 2014. Both meetings were attended by BPBD Padang, PMI, and NGOs such as Build Change, AIFDR, Kogami, LP2M, KSB Forum, and PKBI. Subsequently, a workshop for the DRR Padang Forum formation took place on 5 June 2014 in Padang City Hall and was attended by 72 people from all stakeholders in Padang including government, private sector, universities, NGOs, and communities. In this workshop, participants agreed to establish the DRR Padang Forum. A group of seven representatives from various agencies were chosen and entrusted to prepare the structure and legal status of the forum, as well as devise program activities and work plan for the forum during READI's next reporting quarter.



Picture 3. Workshop on DRR Padang Forum formation.

4. Monitoring and Evaluation

Two months after the rapid assessment training held 15-18 April 2014, the post-training evaluation was conducted for participants from BPBD Aceh Barat staff on 24-26 June 2014. Of the 45 participants who attended the training, only 26 participants (58%) completed the evaluation and met the standards whereas 19 participants (42%) were not at work at the time of the evaluation and therefore were deemed not meeting the evaluation criteria.

In general, participants' knowledge and understanding of the material provided at the rapid assessment training was retained two months after the initial training. As many as 96% could explain the training materials given two months ago; 99% were able to explain the information gathered in the assessment; 92% could outline the main tasks of a rapid response team; 95% could explain the function of a rapid response team; 98% explained barriers during emergency response; and 100% of participants explained the actions during the first 24 hours of an emergency, the importance of coordination, the basic needs of emergency response, and considerations related to logistics; 61% knew the stage of the formation of an emergency response command; and 100% expected an advanced training to enhance their abilities in the field.

5. Moving Forward

Planned activities in the next quarter: The team will continue coordination with BPBDs for tsunami evacuation simulation in Nias; distribution of evacuation maps in Bengkulu; training for BPBD staff; radio broadcasting on DRR information; forming DRR Forum Padang City; and EWS mast construction from 9 June to August 2014. The team will plan for conducting workshops with government actors and the private sector for vertical evacuation shelter certification.

Lessons learned

BPBD has a limited budget for training staff in disaster preparedness. The trainees are still hoping for the follow-up training in disaster preparedness and support tasks in the field.

Project concerns

In the next quarter, the main concern is the timely implementation of EWS installation in Bengkulu, Nias, Gunungsitoli, and Aceh Barat.

6. Annexes

Annex 1. Summary Table – Progress on Key Indicators

Annex 2. READI Newsletter No. 6



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Annex 1: Summary Table – Progress on Key Indicators

Goal: To build DRR capacity and enhance resilience of vulnerable urban coastal populations in Sumatra			
Beneficiaries Targeted	1,679,289 individuals (0 IDPs)		
	IDPs: 0		
Beneficiaries Reached	0 individuals	0%	
	IDPs: 0	0%	
Geographic Area (s)	Bengkulu, Padang, Meulaboh, Nias, Mentawai		
Sub-Sector 1.1. Disaster Preparedness, Mitigation, and Management			
OFDA INDICATORS	TARGET	PROGRESS (1 Apr - 30 Jun 2014)	CUMULATIVE
<i>Indicator 1: Number of people trained in disaster preparedness, mitigation and management.</i>	50 people received DRR training	45 people received DRR training Boys 0-14 yo: 0 Girls 0-14 yo: 0 Men : 39 15-24 yo : 3 25-59 yo : 36 ≥ 60 yo : 0 Women : 6 15-24 yo : 1 25-59 yo : 5 ≥ 60 yo : 0	186 (372% of target) 0 0 162 21 141 0 24 6 18 0
<i>Indicator 2: Number and percent of beneficiaries retaining disaster preparedness, mitigation, and management knowledge two months after training.</i>	40 people evaluated and 80% of beneficiaries retaining knowledge	26 people evaluated and 58% of beneficiaries retaining knowledge Boys 0-14 yo: 0 Girls 0-14 yo: 0 Men : 20 15-24 yo: 2 25-59 yo: 18 ≥ 60 yo: 0 Women : 6 15-24 yo: 1 25-59 yo: 5 ≥ 60 yo: 0	107 (268% of target) and 58% 0 0 84 10 74 0 23 6 17 0
<i>Indicator 3: Number of hazard risk reduction plans, policies or curriculum developed.</i>	5 hazard risk reduction plans developed	0 hazard risk reduction plans developed	6 (120% of target)
PROGRAM IMPACT INDICATORS	TARGET	PROGRESS (1 Apr - 30 Jun 2014)	CUMULATIVE
<i>Indicator 1: Number of people with access to improved Emergency Warning Systems for earthquake and tsunami throughout the target areas of</i>	1,679,289 people have access	0 people have access (government) Boys 0-14: 0 Girls 0-14: 0	467,056 (28% of target) 70,600 67,894

Sumatra.		Men : 0 15-24 yo: 0 25-59 yo: 0 ≥ 60 yo: 0 Women : 0 15-24 yo: 0 25-59 yo: 0 ≥ 60 yo: 0 0 people have access (program) Boys 0-14: 0 Girls 0-14: 0 Men : 0 15-24 yo: 0 25-59 yo: 0 ≥ 60 yo: 0 Women : 0 15-24 yo: 0 25-59 yo: 0 ≥ 60 yo: 0	160,264 48,304 99,460 12,500 168,298 50,427 102,361 15,510 0 (0% of target) 0 0 0 0 0 0 0 0 0 0
Indicator 2: Number of potential vertical shelters identified.	50 vertical shelters identified	0 vertical shelters identified	113 (226% of target)
Indicator 3: Number of people with access to evacuation routes and certified vertical shelters.	100,000 people have access	0 people have access Boys 0-14: 0 Girls 0-14: 0 Men : 0 15-24 yo: 0 25-59 yo: 0 ≥ 60 yo: 0 Women : 0 15-24 yo: 0 25-59 yo: 0 ≥ 60 yo: 0	374,965 (375% of target) 64,001 56,229 123,870 36,634 78,184 9,052 130,865 38,778 80,850 11,237
Indicator 4: Number of people participating in simulations.	10,000 people participate	2,623 people participated Boys 0-14: 1,053 Girls 0-14: 875 Men : 290 15-24 yo: 110 25-59 yo: 167 ≥ 60 yo: 13 Women : 405 15-24 yo: 94 25-59 yo: 297 ≥ 60 yo: 14	10,826 (108% of target) 2,659 2,185 3,628 963 2,615 50 2,354 822 1,489 43

Indicator 5: Number of people within broadcast range of the AM/FM radio frequency to receive hazard information broadcasts.	1,000,000 people within broadcast range and receive information	0 people within broadcast range and receive information Boys 0-14: 0 Girls 0-14: 0 Men : 0 15-24 yo: 0 25-59 yo: 0 ≥ 60 yo: 0 Women : 0 15-24 yo: 0 25-59 yo: 0 ≥ 60 yo: 0	1,462,293 (146% of target) 268,729 256,152 458,975 130,899 295,549 32,527 478,437 134,198 303,711 40,528
Indicator 6: Number of local authorities adopting disaster preparedness systems developed in the program.	4 local authorities	0 local authorities	0 (0% of target)