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FOR ASIA AND THE PACIFIC
AND
WORLD METEOROLOGICAL ORGANIZATION

FOR PARTICIPANTS ONLY

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Typhoon Committee
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29 January -01 February 2013
Hong Kong, China

Report of WGDRR Activities in 2012

(Item 8 of Provisional Agenda – Report activities WGs & TRCG)

(Submitted by WGDRR)

ACTION REQUIRED:

This Committee is invited to:

- a) Take note of the activities of WGDRR in 2012.
- b) Approve the recommendations and AOP of WGDRR for 2013 and beyond

APPENDIXES:

- I. Report of the WGDRR Parallel Meeting of 7th Integrated Workshop
- II. Implementation status of WGDRR AOP 2012
- III. WGDRAOP for 2013

APPENDIX XII

THE REPORT OF WGD RR PARALLEL SESSION

During the 7th Typhoon Committee Integrated Workshop held in Suning Venice Hotel, Nanjing, China from 26 to 30 November, 2012, Working Group on Disaster Risk Reduction (WGD RR) had two days parallel session on 27 through 28 November, 2012.

1. WGD RR Parallel Session

There are 22 from 11 Members (i.e. China; Hong Kong, China; Japan; Lao PDR; Macao, China; Malaysia; Philippines; Republic of Korea; Thailand; USA (Guam); Viet Nam) and TCS attending on the WGD RR parallel sessions.

The WGD RR parallel session exchanged the information on priorities and key areas; reviewed the progress in the implementation of the AOP for 2012; discussed the future of WGD RR in 2013 AOP; discussed how to consolidate the international cooperation research; identified the priority and strategic needs of the TC Members; and proposed the budget for WGD RR in 2013.

1.1 2013 WGD RR AOPs

In 2013 WGD RR AOP, total eight projects are included as follows;

AOP1: Extend the WEB GIS based Typhoon Committee Disaster Information System (WGTC DIS) for upgrading the search option for similar Typhoon and collecting disaster information from TC Members

AOP2: Provide the training program for disaster prevention policies and technologies such as Flash Flood Alert System (FFAS), Frequency Analysis for Rainfall Data (FARD), Application of radar for urban flood warning, and Soil Erosion Model for Mountainous Area (SEMMA) including WGTC DIS

AOP3: Promote the international cooperation research by dispatching the experts of Korea and TCS to Philippines for installing the Flash Flood Alert System (FFAS) and AWS

AOP4: Promote and extend the dissemination of warnings and alerts by Members through SWIC (Severe Weather Information Center)

AOP5: Set up community weather stations for raising public awareness on climate change and extreme weather

AOP6: Benefit Evaluation of Typhoon Disaster Prevention and Preparedness

AOP7: Support Synergized Standard Operation Procedure (SSOP) project related to disaster risk management

1.2 Main Discussion of WGDRR

During parallel session, Working Group on Disaster Risk Reduction reported the activities of TC and WGDRR, WGTCDIS, and results of 2012 WGDRR workshop and expert mission. Also, the participants of WGDRR mainly discussed: i) review of AOPs for 2012; ii) 2013 AOPs and budget of WGDRR; iii) new proposed project led by NDMI; iv) upgrade of WGTCDIS in 2013; v).ideas for TRCG forum in 8th integrated workshop in 2013; vi) the role of WGDRR in SSOP project; vii) 2013 expert mission plan.

1.3 Confirmed Budget Proposal for WGDRR in 2013

WGDRR proposed the requests of US\$ 27,000 allocated TCTF in 2013 to support WGDRR activities including:

- i) to allocate US\$ 8,000 budget of TCTF in 2013 for supporting WGDRR participating in next TC Integrated Workshop.
- ii) to allocate US\$ 6,000 budget of TCTF in 2013 for supporting community based weather station pilot project offering expert to visit interested members to install the weather stations and to provide technical documentation on installation, maintenance and data processing and display.
- iii) to allocate US\$ 4,000 budget of TCTF in 2013 for supporting TC Members for collecting typhoon disaster information to extend the WGTCDIS.
- iv) to allocate US\$ 7,000 budget of TCTF in 2013 for supporting TCS, UNESCAP and WMO participating on WGDRR Expert Mission.
- v) to allocate US\$ 2,000 budget of TCTF in 2013 for support benefit evaluation of Typhoon disaster prevention and preparedness project

Conclusions of WGDRR:

On the basis of the information provided by the Members and findings of the parallel session on WGDRR, the following conclusions were reached:

- a. The WGDRR recognized the necessity of continuous collection of disaster information from Member countries for WGTCDIS. Collection of disaster information from Member countries will be continued in 2013.
- b. National Disaster Management Institute (NDMI) will expand WGTCDIS in 2013. This work will include the upgrade of search option for finding similar Typhoon.
- c. Expert mission to four TC members namely Guam, Viet Nam, Lao PDR, and Thailand will be conducted in 2013 to provide training on the operation of WGTCDIS by NDMI and TCS. 2013 Expert Mission will also provide the training program for disaster prevention technologies and policies. The contents of the expert mission program will consist of Flash Flood Alert System (FFAS), Frequency Analysis for Rainfall Data (FARD), application of radar for urban flood warning, and Soil Erosion Model for

Mountainous Area (SEMMA).

※ Note : With reference to the contents of 2013 expert mission, Member countries can select and request the training program.

- d. Republic of Korea proposed new project led by NDMI for 2013 to promote the international cooperation research for disaster risk management. In 2013, NDMI and TCS will dispatch the experts of Republic of Korea and TCS to Philippines for installing the Automated Weather Station (AWS) and Flash Flood Alert System (FFAS) in Cagayan de Oro, Mindanao Island in Philippines.

※ Note : NDMI proposed to all TC members if they want to join this project similar to Philippines and suggested TC members who are interested in the project to submit their proposal before May 2013.

- e. Hong Kong (China) had made preparations for the installation of automated weather stations for the pilot project for Community Weather Station in 2012. With regarding this, Hong Kong Observatory (HKO) will set up the community weather stations in Philippines and Guam in December, 2012. The whole set up of the community weather station project will be demonstrated to TC members in the 45th Session.
- f. China proposed a new project namely "Benefit Evaluation of Typhoon Disaster Risk Reduction" in 44th TC session and this project will be included in 2013 AOP of WGDRR.
- g. The 8th WGDRR Workshop will be held in Seoul, Republic of Korea on 23-24 May 2013.

Recommendations of WGDRR:

On the basis of the information provided by the Members and deliberations, the WGDRR made the following recommendations:

- a. To allocate US\$27,000 budget of TCTF in 2013 for i) supporting WGDRR participating in next TC Integrated Workshop, ii) supporting community based weather station pilot project offering expert to visit interested members to install the weather stations and to provide technical documentation on installation, maintenance and data processing and display, iii) supporting TC Members for collecting typhoon disaster information to extend the WGTCDIS, and iv) supporting TCS, UNESCAP and WMO participating on WGDRR Expert Mission.
- b. To collect the disaster information from TC Members for extending TCDIS, the continuity of such collection should be maintained and this project will be continued in 2013.
- c. To send expert mission for WGTCDIS, disaster prevention technologies, and policies to 4 TC Members namely Guam, Lao PDR, Thailand, and Viet Nam in 2013.
- d. To develop the urban disaster risk assessment system, the research results of urban disaster forecast and rainfall runoff reduction system will be introduced in 2013 expert mission
- e. To organize the team with NDMI and TCS to visit Philippines for international cooperation research. The team will:

- i) perform the feasibility study to launch the project successfully
 - ii) install Automated Weather Station (AWS) and Flash Flood Alert System
- f. To start new project namely “Benefit Evaluation of Typhoon Disaster Prevention and Preparedness” led by China to evaluate the different disaster prevention and preparedness measures and provide the result as the basis of decision making policy.
- g. To set up automatic weather stations for the community based weather station project in the 2 interested Members in 2013