ESCAP/WMO Typhoon Committee 20th Integrated Workshop / High Level Forum December 2-5, 2025 Macao• China FOR PARTICIPANTS ONLY

October 23, 2025 ENGLISH ONLY

REPORT on Activities of Working Group on Disaster Risk Reduction (WGDRR) of TC in 2025

(For TC 20th IWS)
(Drafted and Submitted by WGDRR)

ACTION REQUIRED:

The Working Group is invited to:

- A. Review the activities of TC WGDRR conducted in 2025
- B. Approve the recommendations and AOPs with the related budget of WGDRR in 2026

APPENDIX:

- I. Draft text for Inclusion at Session Report
- II. Progress Report on activities of Working Group on WGDRR in 2025

ANNEX

- I. Implementation Status Success Indicators of WGDRR Annual Operating Plans in 2025
- II. Implementation Status Success Indicators of WGDRR Annual Operating Plans in 2026.

APPENDIX

I. Draft text for inclusion at Session Report

1. Disaster Risk Reduction Component

During the 20th Working Group DRR meeting in Seoul, Republic of Korea on May 27-30, 2025, the Working Group reviewed its activities and its Annual Operating Plans (AOPs) for 2025. Please refer to Appendix I for details.

The theme of the meeting was "Shifting Paradigms in Disaster Risk Reduction: Strategies for Climate Change Risks". WGDRR Chair Dr. Keumho OH, Director General of National Disaster Management Research Institute, Republic of Korea made an opening address and welcome all members of the meeting. Dr. An Chae-myeong delivered a congratulatory address on behalf of Vice Minister for Disaster and Safety Management, MOIS. Dr. Marcelino Q. VILLAFUERTE II, on behalf of Typhoon Committee Chair, PAGASA, Dr Yihong DUAN, Secretary of Typhoon Committee Secretariat and Mr. Tom EVANS, Chair of AWG, NOAA all presented congratulatory address for the meeting.

Around 50 participants from members and representatives from ESCAP, WMO, TCS, DRR members (China, Hong Kong China, Japan, Lao PDR, Macao China, Malaysia, Philippines, Republic of Korea, Thailand, USA(Guam), Vietnam), AWG members. The Working Group passed the following AOPs 2025.

1) Review of the 2025 AOPs & Budget Status

- a. AOP1. Capacity Building / Knowledge Sharing (NDMI)
 - i. Members from Republic of Korea and Vietnam participated in the "World Bosai Forum 2025", and hosted a session titled "From Data to Action: Monitoring Systems and Early Warnings for DRR" which was held in March 7 to 9 at Sendai International Center in Japan.
 - ii. Key Implications
 - 1. To strengthen DRR and to develop a Model for sharing and Utilizing disaster information.
 - 2. To improve data accessibility and usability which is essential for disaster management.
- b. AOP2. Setting up Early Warning and Alert System (NDMI)
 - i. NDMI has launched the project for strengthening capabilities of disaster risk reduction with the Philippines since 2013
 - ii. The project continued in Danao, Argao, Olongapo and La paz for transferring disaster safety technologies in 2023-2024.
 - iii. NDMI inspected the installation of ARWS and FEWS during the period in October 13- 23, 2024 in La Paz & Olongapo, Philippines and September 7-~ 16, 2023 in Danao & Argao, Philippines
 - iv. NDMI conducted Self-Assessment and inspect operation and management status of Early Warning and Alert System during the period of June 30 to July 7, 2025, in Danao & Olongapo, Philippines

- c. AOP3. WGDRR Annual Meeting
 - i. NDMI held the 20th annual meeting on May 27-30, 2025, in Seoul, Republic of Korea to facilitate the follow-up of the WGDRR activities and information sharing related to DRR. The theme of the 20th Annual Meeting is "Shifting Paradigms in Disaster Risk Reduction: "Strategies for Climate Change Risks". Participants included representatives from ESCAP, WMO, TCS, DRR members (China, Hong Kong, China, Japan, Lao PDR, Macao, China, Malaysia, Philippines, Republic of Korea, Thailand, USA(Guam), Vietnam and the AWG members.
- d. AOP4. Benefit Evaluation of Typhoon Disaster Prevention and Preparedness (STI)
 - i. A special fund of USD6,000 from Typhoon Committee Trust Fund (TCTF) was used to support 1-2 participants to work in Shanghai Typhoon Institute for a duration of two to six weeks (tentatively Sep Oct 2025). One representative from Thailand applied for this program and worked in STI from October 15 to November 14, 2025.
 - ii. The objective of this project is
 - 1. to collect or supplement tropical cyclone damage data, disaster prevention and preparedness strategies, reduction measures etc. and to share it with the members.
 - 2. to develop or introduce benefit evaluating questionnaire(s).
 - 3. to develop or introduce technique(s) for risk or damage assessment related with tropical cyclones, or evaluation benefit of their disaster prevention and preparedness.
- e. AOP5. Sharing Information related to DRR
 - i. To improve the capacities of Member's Disaster Management, WGDR will continue to exchange information and experience related to DRR through the forum on TC website.
 - ii. Members are required to register the Glide so that DRR information can be shared among the members.
- f. AOP6. Making Education Videos related to DRR (HKO)
 - i. A video named "Wild Waves under Calm Winds" was translated into English with voiceover and subtitles as the coming education video related to DRR. HKO shared the video during the meeting, and no further comment was received from the members. The video was uploaded to the Typhoon Committee website for members to use on public education on DRR.

2. Conclusion of WGDRR

Based on the information provided by the Members, the reports presented by project coordinator/leader and findings of the parallel session on WGDRR, the following conclusions were reached:

- a. AOP1 Capacity building and knowledge Sharing in DRR.
 - i. Hosting Capacity building and knowledge sharing seminar
 - ii. Date / Venue : TBD / Hanoi, Vietnam
 - iii. Cross cutting project with WGH
- b. The AOP2 Installation of Early Warning System related to typhoon disasters.
 - i. Establishment of the Early Warning System for Disaster Risk Reduction in Province of Cebu, Philippines
 - ii. Project for 10 cites: Cebu city, Mandaue city, Consolacion municipality, Liloan municipality, Talisay city, Minglanilla municipality, Carcar city, Barili Municipality, Balamban Municipality, Pinamungajan Municipality in Cebu province, Philippines

- c. AOP 3 WGDRR Annual Meeting. NDMI will continue to host the 21th WGDRR meeting in 2026.
- d. AOP 4 Benefit Evaluation of Typhoon Disaster Prevention and Preparedness Project. Shanghai Typhoon Institute fellowship program is expected to continue in 2026 and will be hosted by STI/CMA and co-organized by AP-TCRC.
- e. AOP 5 Sharing Information related to DRR.
 - To improve the capacities of Member's Disaster Management, WGDRR will continue to exchange information and experience related to DRR through the forum on TC website and Glide.
 - ii. Discussion goes on which data should be used. WMO, ESCAP or Member Report?
 - iii. Discussion on the AOP title change.
- f. AOP 6 Making Education Videos related to DRR.
 - i. Hong Kong Observatory will continue to contribute educational videos related to DRR with English translation in 2026.

The following AOP 7 and AOP 8 was proposed during 20th Working Group DRR meeting. It will be discussed in the 20th IWS in December 3-5, 2025.

- g. AOP 7 Making Video on Typhoon Yagi .
 - i. A new AOP was proposed by Vietnam on making video on Typhoon Yagi with English subtitle. Members that were affected by Yagi (China, Lao PDR, Philippines...should be involved. Vietnam will lead this AOP to gather information. Further discussion will be made on the upcoming 20th IWS.
- h. AOP 8 Improvement of Warning Dissemination and Disaster Response for Early Warnings.
 - i. Another new AOP was proposed by China regarding the improvement of Warning Dissemination and Disaster Response for Early Warnings for All in TC Members. Cloud-based Early Warning System tailored to local needs will be jointly developed to enhance mutual learning and exchanges of warning dissemination, disaster response experience, mechanisms and typhoon related disasters.
 - ii. The joint development of a customized Cloud-based Early Warning System for TC Members aims to enhance disaster preparedness through a cloud-based open platform and toolbox series, integrating local information access, NWP, AI models, severe weather algorithms, and early warning dissemination for swift and efficient meteorological disaster tracking. As part of this initiative, TC Member representatives will visit China for a two-week program featuring knowledge exchanges and collaborative studies on typhoon-related disaster warning mechanisms, platform development, and dissemination.
 - iii. Further discussion will be made on the upcoming 20th IWS.
- 1) For implementation of the proposed projects in 2026, WGDRR proposed the request of **USD 30,700** to be allocated TCTF for the following items:
 - (a) To allocate **USD 11,000** budget of TCTF in 2026 for Capacity Building/Knowledge Sharing in DRR.
 - (b) To allocate **USD 6,000** budget of TCTF in 2026 for WGDRR 21th Annual Meeting.
 - (c) To allocate **USD 6,000** budget of TCTF in 2026 for STI Benefit Evaluation of Typhoon Project.
 - (d) To allocate **USD 3,000** budget of TCTF in 2026 for Making Education Video related to DRR.

- (e) To allocate **USD 2,700** budget of TCTF in 2026 for Making video related to Typhoon Yagi.*
- (f) To allocate USD 2,000 budget of TCTF in 2026 for Warning Dissemination and Disaster Response – Cloud based Early Warning System Development*

3. Recommendations for Implementation in 2026

Based on the conclusion, the WGDRR made the following recommendations:

- 1) To request NDMI to organize the team to the selected member for the project of capacity building and knowledge sharing in DRR.
- 2) To request NDMI to continue supporting the development and improvement of the early warning and alert systems related to typhoon disaster in the participating members.
- 3) To request NDMI, to continue supporting and hosting the WGDRR Annual Meeting in 2026 in ROK.
- 4) To request STI, China to continue conducting the research of the project of benefit evaluation of typhoon disaster prevention and preparedness.
- 5) To encourage the Members to share information related to DRR on the established forum of TC Website and are required to register the Glide.
- 6) To request the HKO to continue providing WGDRR with a video related to typhoon disaster or severe weather and translate it into English version (voiceover and subtitle) for Members use on DRR public education.
- 7) To request the Typhoon Committee to approve the proposed projects and related budget in 2026.

^{*} To be discussed during the 20th IWS meeting in December 2025.

II. Progress Report on activities of Working Group on WGDRR in 2025

1. Introduction

The Working Group of Disaster Risk and Reduction (WGDRR) continued to implement a series of projects according to the plan outline from the 57th TC Session.

2. Components of the WGDRR

WGDRR Member (Focal points)

Chair	Dr. Keumho OH (Repulic of Korea)
Vice Chairs	Mr. Marcus Aydlett (USA)
	Dr. Chihun LEE (Republic of Korea)
Focal Points	Mr Sambang Seng (Cambodia)
	Ms CHANG Yue (China)
	Mr. CHOE Kyong Sik (DPR Korea)
	Mr. K K Hon (Hong Kong, China)
	Mr. YANADA Yuki (Japan)
	Ms. FUKUSUMI Naho / Mr. OBA Hiraku (Japan)
	Ms. Akhom Thammalangsy (Lao PDR)
	Mr. Fan Ka Wa (Macao, China)
	Ms Siti Mariam Abu (Malaysia)
	Dir. Maria Agnes T. Palacio (Philippines)
	Dr. Chihun LEE (Republic of Korea)
	Mr. Cheong Wee Kiong (Singapore)
	Ms. Duangnapa Uttamangkapong (Thailand)
	Mrs. Nguyen Huu Hoang Anh (Vietnam)

3. Organization of the 20th Working Group Disaster Risk and Reduction Meeting "Shifting Paradigms in Disaster Risk Reduction: Strategies for Climate Change Risks" Seoul, Republic of Korea

Meeting Date: May 27-30, 2025

Host: National Disaster Management Research Institute, Republic of Korea.

1. Around 50 participants from members and representatives from ESCAP, WMO, TCS, DRR members (China, Hong Kong China, Japan, Lao PDR, Macao China, Malaysia, Philippines, Republic of Korea, Thailand, USA(Guam), Vietnam) and AWG members.

- 2. A silent tribute for the disaster victims in the world. WGDRR Chair Dr. Keumho OH, Director General of National Disaster Management Research Institute, Republic of Korea, made an opening address and welcomed all members of the meeting. Dr. An Chae-myeong delivered a congratulatory address on behalf of Vice Minister for Disaster and Safety Management, MOIS. Dr. Marcelino Q. VILLAFUERTE II, on behalf of Typhoon Committee Chair, PAGASA, Dr Yihong DUAN, Secretary of Typhoon Committee Secretariat and Mr. Tom EVANS, Chair of AWG, NOAA all presented congratulatory address for the meeting.
- 3. Several experts from members share their presentations on disaster risk and reduction areas.
 - 1. Steps and methodologies to reduce climate risks by Mr. Sanjaya BHATIA (UNDRR).
 - 2. Early Warnings For All Better Early Than Never by Mr. Edwin LAI (Former AWG Chair).
 - 3. Review the progress made by TC WGDRR activities and expectations for the future by Prof. Yuichi ONO (Tohoku University).
 - 4. Walking with the Typhoon Committee-from retrospection to future challenges by Dr. Tsz-cheung LEE (HKO).
 - 5. Update on UN EW4All and WMO's Regional Efforts by Mr Jun YU (WMO).
 - 6. Recent ESCAP Activities in DRR by Mr. Daisuke MARUICHI (ESCAP).
- 4. Participated members presented their member report accordingly.
 - 1. Member Report by Ms DONG Lin, China
 - 2. Member Report by Dr. Tsz-cheung LEE, Hong Kong, China
 - 3. Member Report by Mr. Potutan Gerald, Japan
 - 4. Member Report by Ms. Akhom Thamalangsy, Lao PDR
 - 5. Member Report by Mr. Kuok Pou LAU, Macao China
 - 6. Member Report by Mr. Muhamad Faid BIN NAZRI, Malaysia
 - 7. Member Report by Ms. Emma Paulina HERNANDEZ, Philippines
 - 8. Member Report by Dr Chihun LEE, Republic of Korea
 - 9. Member Report by Mr. Sommeuk SWATTEUK, Thailand
 - 10. Member Report by Mr. Marcus AYDLETT, USA
 - 11. Member Report by Mr. Quang Minh DANG, Vietnam
- 5. Review of the 2025 AOPs & Budget Status
 - a. AOP1 Capacity building and knowledge Sharing in DRR.
 - iv. Members from Republic of Korea and Vietnam participated in the "World Bosai Forum 2025", and hosted a session titled "From Data to Action: Monitoring Systems and Early Warnings for DRR" which was held in March 7 to 9 at Sendai International Center in Japan.
 - v. Key Implications
 - 1. To strengthen DRR and to develop a Model for sharing and Utilizing disaster information.
 - 2. To improve data accessibility and usability which is essential for disaster management.
 - b. The AOP2 Installation of Early Warning System related to typhoon disasters.

- iii. Establishment of the Early Warning System for Disaster Risk Reduction in Province of Cebu, Philippines
- iv. Project for 10 cites: Cebu city, Mandaue city, Consolacion municipality, Liloan municipality, Talisay city, Minglanilla municipality, Carcar city, Barili Municipality, Balamban Municipality, Pinamungajan Municipality in Cebu province, Philippines

c. AOP 3 WGDRR Annual Meeting. NDMI will continue to host the 21th WGDRR meeting in 2026.

- d. AOP 4 Benefit Evaluation of Typhoon Disaster Prevention and Preparedness Project. Shanghai Typhoon Institute fellowship program is expected to continue in 2026 and will be hosted by STI/CMA and co-organized by AP-TCRC.
- e. AOP 5 Sharing Information related to DRR.
 - iv. To improve the capacities of Member's Disaster Management, WGDRR will continue to exchange information and experience related to DRR through the forum on TC website and Glide.
 - v. Discussion goes on which data should be used. WMO, ESCAP or Member Report?
 - vi. Discussion on the AOP title change.
- f. AOP 6 Making Education Videos related to DRR.
 - vi. Hong Kong Observatory will continue to contribute educational videos related to DRR with English translation in 2026.

The following AOP 7 and AOP 8 were proposed during 20th Working Group DRR meeting. It will be discussed in the 20th IWS in December 3-5, 2025.

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 - vii. A new AOP was proposed by Vietnam on making video on Typhoon Yagi with English subtitle. Members that were affected by Yagi (China, Lao PDR, Philippines...should be involved. Vietnam will lead this AOP to gather information. Further discussion will be made on the upcoming 20th IWS.
- h. AOP 8 Improvement of Warning Dissemination and Disaster Response for Early Warnings.
 - viii. Another new AOP was proposed by China regarding the improvement of Warning Dissemination and Disaster Response for Early Warnings for All in TC Members. Cloud-based Early Warning System tailored to local needs will be jointly developed to enhance mutual learning and exchanges of warning dissemination, disaster response experience, mechanisms and typhoon related disasters.
 - ix. The joint development of a customized Cloud-based Early Warning System for TC Members aims to enhance disaster preparedness through a cloud-based open platform and toolbox series, integrating local information access, NWP, AI models, severe weather algorithms, and early warning dissemination for swift and efficient meteorological disaster tracking. As part of this initiative, TC Member representatives will visit China for a two-week program featuring knowledge exchanges and collaborative studies on typhoon-related disaster warning mechanisms, platform development, and dissemination.
 - x. Further discussion will be made on the upcoming 20th IWS.

- 6. Review of 2025 Budget Status.
 - 1. The expenditure for 2025 WGDRR AOP1 to AOP6 will be USD19,113.86 and left a balance of USD6,886.14

Project No	Name of Project	Proposed Budget (USD)	Expenditure (USD)		
AOP1	Capacity Building/Knowledge Sharing in DRR	\$11,000	\$10,631.88		
AOP2	Installation of Early Warning System related to typhoon disasters	Funded by NDMI	-		
AOP3	WGDRR Annual Meeting	\$6,000	\$6,000.00		
AOP4	Benefit Evaluation of Typhoon Disaster Prevention and Preparedness	\$6,000			
AOP5	Sharing Information related to DRR	No need			
AOP6	Making video related to DRR	\$3,000	\$2,481.98		
	Subtotal	\$26,000	\$19,113.86		
	Balance	\$6,886.14			

4. WGDRR AOP 2026 and Budget

1. 2026 Budget

KRA	No	Name of Project	Proposed Budget (USD)		
KRA5	AOP1	Capacity Building/Knowledge Sharing in DRR	\$11,000		
KRA7		(NDMI)			
KRA2	AOP2	Installation of Early Warning System related to	Funded by NDMI		
KRA3		typhoon disasters (NDMI)			
KRA4	AOP3	WGDRR 21st Annual Meeting (NDMI)	\$6,000		
KRA5					
KRA2	AOP4	Benefit Evaluation of Typhoon Disaster Prevention	\$6,000		
KRA4		and Preparedness (STI)			
KRA6					
KRA5	AOP5	Sharing Information related to DRR	No need		
KRA7					
KRA7	AOP6	Making video related to DRR (HKO)	\$3,000		
KRA7	AOP7*	Making Video related to Typhoon Yagi (Vietnam)	\$2,700		
KRA2	AOP8*	Warning Dissemination and Disaster Response -	\$2,000		
KRA3		Cloud based Early Warning System Development			
		(China)			
		Total	USD30,700		

^{*}To be confirmed on the 20th IWS December 2025

5. Other business----

1. Appointment of Vice Chair for the next term

ANNEX

I. Implementation for WGDRR AOPs in 2025 with the success indicators

SP's KRA and SG	NO	Objective	Action	Other WGs Involved	TCS Responsibility	Quarter	Project leader/Other Organizations Involved	Success Indicators	IKANIIIRAN	Funding Sources	Complete d YES/NO
KRA5 KRA7		Capacity Building /Knowledge Sharing	Participated in the World Bosai Forum 2025 and hosted a session "From Data to Action: Monitoring Systems and Early Warnings for DRR".	Invite other WGs to join	Coordination and participation	First		Mission in the	USD 10 631 88	NDMI and TCTF	Yes
KRA2 KRA3	2	Installation of warning systems related to typhoon disaster	NDMI conducted Self- Assessment and inspect operation and management status of Early Warning and Alert System in Danao &		Coordination	Second	NDMI	NDMI assigned experts to Philippines to install and maintain the systems	Unspecified	NDMI	Yes

SP's KRA and SG	NO	Objective	Action	Other WGs Involved	TCS Responsibility	Quarter Completed	Project leader/Other Organizations Involved	Success Indicators	Funding Required USD	Funding Sources	Complete d YES/NO
			Olongapo, Philippines.								
KRA4 KRA5	3	Annual	To organize the annual meeting to follow up on the working group's activities and information exchange	Members	Coordination and participation	Second	NDMI and TC DRR Members	_	USD 6,000	NDMI and TCTF	Yes
KRA1 KRA6	4	of Typhoon Disaster Prevention and Prepar	To promote research concerning benefit evaluation of typhoon disaster prevention and preparedness.		Coordination and participation	Fourth	STI, China	Conducted a research fellowship for TC Member in STI, China. One representative from Thailand joined this program.	USD6,000		Yes
KRA4 KRA5	5	ireiated to	To share information		Encourage member to register with Glide	Time to time	NDMI and TCS	Members shared the information on the forum			Yes

SP's KRA and SG	NO	Objective	Action	Other WGs Involved	TCS Responsibility	Quarter Completed	Project leader/Other Organizations Involved		Funding Required USD	Sources	Complete d YES/NO
			the forum established on TC Website								
KRA5 KRA7		educational video related to DRR	To produce a video related to DRR education for raising public awareness.		Coordination	Second	НКО	Prepare a video with English subtitle and voiceover and shared with TC Members	USD 2 481 98	TCTF	Yes

- KRA 1: Enhance capacity to monitor mortality and direct economic loss caused by typhoon-related disasters.
- KRA 2: Enhance capacity to generate and provide accurate, timely and understandable information using multi-hazard impact-based forecasts and risk-based warnings.
- KRA 3: Improve typhoon-related flood control and integrated water resource management.
- KRA 4: Strengthen typhoon-related disaster risk reduction activities in various sectors, including increased community-based resiliency with better response, communication, and information sharing capability.
- KRA 5: Enhance Typhoon Committee's Regional and International collaboration mechanism.
- KRA 6: Create a framework for cooperative scientific research on tropical cyclone and related disciplines, particularly in relation to climate change, and include support for translating research outcomes to services by developing relevant experiments, research projects, conducting field surveys, and publishing and promoting research findings.
- KRA 7: Enhance the resilience of vulnerable communities, especially coastal communities, to tropical cyclone impacts.

ANNEX
II. WGDRR AOPs in 2026 with the success indicators

SP's KRA and SG	NO	Objective	Action	Other WGs Involved	TCS Responsibility	Quarter Completed	Project leader/Other Organizations Involved	Success Indicators	Funding Required	Funding Sources	Completed YES/NO
KRA5 KRA7	1	/K nowladga	lknowledae	Invite other	Coordination and participation	ТВС	Vietnam And participating members		USD11,000	TCTF	
KRA2 KAR3	2	related to	To establish EWS for Disaster Risk Reduction in Cebu, Philippines		Coordination	ТВС	NDMI	NDMI assigned experts to Philippines to install and maintain the systems	Unspecified	NDMI	
KRA4 KRA5	3	WGDRR Annual Meeting	To organize the annual meeting to follow up on the working group's activities and information exchange	AWG	Coordination and participation	TBC	NDMI and TC DRR Members	The meeting will be held in ROK	USD6,000	NDMI and TCTF	
KRA1 KRA6	4	Typhoon Disaster	STI fellowship program. 1-2 participants to work in STI for 2-6 weeks		Coordination	TBC	STI, China AP-TCRC	Shared the research result with members	USD6,000	TCTF	

SP's KRA and SG	NO	Objective	Action	Other WGs Involved	TCS Responsibility	Quarter Completed	Project leader/Other Organizations Involved	Success Indicators	Funding Required	Funding Sources	Completed YES/NO
		and Preparedn ess									
KRA4 KRA5	5		To share information such as policies or mechanism related to DRR among TC Members via the forum established on TC Website		Facilitate information sharing	Fourth		Members shared the information on the forum			
KRA5 KRA7	6	Making educational video related to DRR	To produce a video related to DRR education for raising public awareness.		Coordination	Third/ Fourth	НКО	Prepare a video with English subtitle and voiceover and shared with TC Members	USD3,000	TCTF	
KRA5 KRA7	7*		To produce a video related to DRR education for raising public awareness.		Coordination		Vietnam	Prepare a video with English subtitle and voiceover and shared with TC Members	USD2,700	TCTF	

SP's KRA and SG	NO	Objective	Action	Other WGs Involved	TCS Responsibility	Quarter Completed	Project leader/Other Organizations Involved	Success Indicators	Funding Required	Funding Sources	Completed YES/NO
KRA2 KRA3		Warning Dissemination and Disaster Response - Cloud based Early Warning System Development (China)			Coordination		STI China		USD2,000	TCTF	

^{*}To be discussed and confirmed during the 20th IWS Meeting

- KRA 1: Enhance capacity to monitor mortality and direct economic loss caused by typhoon-related disasters.
- KRA 2: Enhance capacity to generate and provide accurate, timely and understandable information using multi-hazard impact-based forecasts and risk-based warnings.
- KRA 3: Improve typhoon-related flood control and integrated water resource management.
- KRA 4: Strengthen typhoon-related disaster risk reduction activities in various sectors, including increased community-based resiliency with better response, communication, and information sharing capability.
- KRA 5: Enhance Typhoon Committee's Regional and International collaboration mechanism.
- KRA 6: Create a framework for cooperative scientific research on tropical cyclone and related disciplines, particularly in relation to climate change, and include support for translating research outcomes to services by developing relevant experiments, research projects, conducting field surveys, and publishing and promoting research findings.
- KRA 7: Enhance the resilience of vulnerable communities, especially coastal communities, to tropical cyclone impacts.