

Asia-Pacific Economic Cooperation

APEC Capacity-building Workshop on Search and Rescue at Sea

(18-19 July 2013, Nha Trang, Viet Nam)

Summary Report

Emergency Preparedness Working Group July 2013

APEC Project No. **S EP 20/2012A**

Prepared by: Viet Nam and co-sponsors

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APEC Capacity-building Workshop on Search and Rescue at Sea

(18-19 July 2013, Nha Trang, Viet Nam)

Summary Report

I. INTRODUCTION

On 18 - 19 July 2013, *the APEC Capacity - building Workshop on Search and Rescue at Sea*, co-sponsored by Australia, Japan and Viet Nam was held in Nha Trang, Viet Nam. This is the first Workshop to be held under the Emergency Preparedness Working Group.

Participants at the Workshop were representatives from APEC member economies, representatives of international agencies in Viet Nam, relevant Viet Nam central and provincial agencies.

The Workshop was opened by H.E. Mr. Hoang Van Thang, Vice Minister of Agriculture and Rural Development of Viet Nam and Mr. Masanori Hisaki, Commander, Search and Rescue division, Japan Coast Guard.

The objectives of the Workshop are to enhance APEC economies' search and rescue capabilities by sharing experiences, lessons learned, current practices and new technological approaches; share information on APEC economies' domestic sea search and rescue rules and regulations; procedures for entry by foreign resources for marine search and rescue purposes; and on cooperation mechanisms in disputed and undefined marine areas; build APEC disaster management cooperation by establishing communication channels between economies' marine search and rescue agencies and between these agencies and relevant international bodies on the following: sea emergencies, weather forecasts, early warning systems and new regional/global agreements impacting on marine search and rescue efforts; and provide recommendations on operational policies and mechanisms and communication systems to ensure rapid and effective responses to distress situations at sea.

II. BACKGROUND

Nowadays, as sea transport is one of the key links in the global supply chain, and majority of the goods are transported across borders by sea (approximately 90% of the international trade), sea transport has been contributing substantially to the global and regional economic development. The APEC region includes many critical international shipping routes but suffers significant economic losses and deaths at sea from marine accidents and natural disasters. Merchant shipping lines currently play an important role in international search and rescue activities. Strengthening APEC economies' marine search and rescue capacities would reinforce the search and rescue activities of merchant fleets, help protect regional supply chains and curtail the number of deaths at

sea.

APEC has attached great importance to cooperation on emergency preparedness over the last several years. In 2010, APEC Leaders agreed to create a secure community where economies should strengthen their resilience and capacity to manage emergencies and natural disasters. In 2011, Ministers agreed that enhancing supply chains to reduce time, cost and uncertainty of moving goods and services throughout the region continues to be a priority given its importance to trade and economic growth. In 2012, in the recent 24th AMM Statement, Ministers continue to stress the importance of improving supply chain connectivity through expanding cooperation in the field of disaster prevention and management.

The "APEC Capacity - building Workshop on Search and Rescue at Sea" directly responds to the above-mentioned instructions by APEC Leaders and Minister. The Workshop will help enhance capacity among APEC developing economies for better search and rescue operations in the Pacific and smaller seas in the region; identify best practices in marine search and rescue operations; and exchange views on how to strengthen cooperation and coordination both among APEC members and with relevant international organizations. In addition, it will establish communication channel between APEC members and with relevant international agencies on joint assistance, technical issues, sea emergencies, weather forecasts, early warning systems and new regional/global agreements impacting on marine search and rescue efforts.

III. DISCUSSION

OUTCOMES

The APEC capacity building workshop on search and rescue at sea included one and a half day for presentations and discussions on ways to bolster APEC economies' marine search and rescue capabilities by sharing experiences and lessons learned; by defining the procedures, skills and equipment necessary for successful operations; examining how best to coordinate economies' marine search and rescue efforts; and by setting up communication channels among APEC economies and with international rescue bodies. The workshop's sessions are overwhelmed with enthusiasm and active discussions of all speakers and participants who all had an opportunity to share what they could take away from the workshop as well as to suggest potential APEC activities to enhance cooperation in this field. The workshop also includes an exercise in Nha Phu Island, Cam Ranh Bay in Khanh Hoa Province. Overall, the workshop achieved its main objectives as described in the project proposal in presenting best practices and providing a forum for the exchange of views among policy-makers, regulators and academic representatives. Moreover, all participants considered this as a valuable chance for networking among experts in the field of search and rescue with and outside the APEC region.

KEY ISSUES DISCUSSED

The two-day workshop was divided into four sessions and included an exercise in Nha Phu Island, Cam Ranh Bay in Khanh Hoa Province.

Opening remarks

In his opening remarks, Viet Nam's Vice Minister for the Ministry of Agriculture and Rural Development, Dr. Hoang Van Thang, highlighted the connection between economic

growth, increased sea traffic, and disasters induced by climate change. He stressed that sea transport is a major component in global supply chains with the majority of goods traded across borders by ship, but there is an inherent risk associated with this mode of transportation. Dr. Thang believes APEC economies can make sea lanes and ports safer by working together. Emergency preparedness is priority for APEC and has been an important annual point made by Leaders having been first higlighted in the Vancouver Leaders' Declaration in 1997. This workshop contributes to the call by APEC Leaders in 2012 highlighting the importance of fostering greater scientific and technical cooperation in diaster preparedness, and the need to develop common standards for emergency early warning systems in regional transportation. This workshop also contributes to promote connectivity, one of the priorities of APEC 2013. Dr. Thang expressed hope that this workshop would be a good chance for all participants to share information on mechanisms and regulations on domestic search and rescue to save lives, as well as new approaches and technologies in search and rescue and disaster response.

Session I on Experience sharing on search and rescue (SAR) was chaired by Ms Pannapa Na Nan, Plan Policy Analyst, Research and International Cooperation Bureau, Department of Disaster Prevention and Mitigation of Thailand.

APEC member economies including Japan, Thailand, the Philippines and Viet Nam briefed the Workshop on the disaster management system in each country, shared their experience in developing operation systems on search and rescue and in establishing measures against massive disasters.

Japan introduced the missions of the Japan Coast Guard, which include maintaining maritime order and guarding the territorial seas and EEZ; saving lives; protecting the marine environment and preparing for disaster; exploring the ocean and ensuring the maritime traffic safety; and international cooperation. The representative of Japan also briefed about the Great East Japan Earthquake and Tsunami, which hit the country in 2011 and the role of the Japan Coast Guard in disaster response. Many lessons have been learnt from this incident, in order to improve the emergency response system at sea. In addition, Japan emphasized the importance of sharing knowledge and experience against disaster like this.

Thailand presented the Workshop the country's disaster management system, with the Department of Disaster Prevention and Mitigation being the central government agency responsible for disaster prevention and mitigation that aligns with global standards for the benefits of the Thai people in a sustainable manner. The CBDRM is highlighted, with focus on training for the communities and people. There a few forms of training for the people, such as the establishment of "one tambon one search and rescue team", emergency response team, Mr. Disaster warning.

Viet Nam presented its search and rescue system, with the National Committee on Search and Rescue being the coordinating agency for search and rescue. Viet Nam shares the basic situations of disaster and the difficulties presented due to natural disasters such as floods, fires, and typhoons. Viet Nam stresses that the main difficulties for search and rescue at sea are the lack of coordination among agencies, lack of professional tools for search and rescue and information on the operation at sea of fisherman, fishing boats.

The Philippines presented the Workshop its SAR system, with two main agencies in charge of coordination on disaster mitigation and response: The Philippines Coast Guard and the National Disaster Risk Reduction Management Council (NDRRMC). The representative of the Philippines shares the difficulties and lessons learnt from the Typhoon Bopha in late 2012.

Members shared the common views on disaster prevention and mitigation, namely:

- Preventive measures are key to disaster management.
- A strategic and solid plan for SAR is crucial for the efficient and effective management and response to disasters.
- Clear policy guidelines from the government are necessary to carry forward the plans for the prevention and mitigation of disasters.

Session II on SAR procedure - New technology and tools was chaired by Mr. Alan Toh, Commander DART Unit, Singapore Civil Defense Force and the speakers are from the People's Republic of China, the Republic of Korea, Viet Nam and the World Vision Vietnam.

China presented its maritime SAR organization (MRCC) and the newly developed support tools for enhancing SAR activities in the country. The MRCC is the main agency for organizing and commanding serious operations and marine pollution responses, establishing national SAR and marine pollution response system, coordinating international maritime cooperation and information exchange. As of SAR facilities, China is equipped with 4 SAR helicopter bases, 18 rescue bases, 73 rescue vessels and 1000 patrol vessels. Two newly developed tools for SAR at sea include (1) the compass lifesaving position-indicating radio beacon and (2) the assistant Decision-making system (ADMS) for SAR at sea.

Viet Nam briefed the Workshop on the preparation of the ASEAN Regional Disaster Exercise (ARDEX), which will be held in October 2013 in Viet Nam. This exercise is organized every year by ASEAN countries, to improve cooperation and coordination capacity in disaster emergency response and relief among ASEAN countries, enhance the understanding, experience and technical knowledge sharing and at the same time, evaluate the Standard operating procedure for regional standby arrangement and Cooperation for Joint Disaster relief and Emergency Response Operations (SASOP).

Korea presented the country's SAR procedure. Korea has been active in mobilizing resources and assisting countries in several disaster events in the region and the world (Japanese earthquake in 2011, Haitian earthquake in 2010, Indonesian earthquake in 2009, floods in Myanmar in 2008, Tsunami in Thailand in 2004 and many others). The representative of Korea suggested a closer cooperation and possibly a mechanism to work with INSARAG, in which Korea, with its heavy SAR team, will be happy to join. He informed that Korea would chair INSARAG 2014 in Asia and the Pacific Region and extended invitation to all participants of the Workshop. The event will be a good occasion to share SAR information between APEC and INSARAG.

The World Vision in Viet Nam briefed the Workshop on ASEAN cooperation and the emergency response mechanism within ASEAN through (i) The ASEAN Agreement on Disaster management emergency response (AADMER), which is binding and operates under the framework of the ASEAN's Social - Cultural Community pillar. The key components of AADMER are preparedness and response, risk assessment, early warning & monitoring, prevention & mitigation and recovery; (ii) The ASEAN Humanitarian Assistance Center (AHA), with the main roles of risk identification & monitoring, ASEAN arrangement, cooperation and emergency response.

Members noted the following points:

- The utilization of newly developed equipment and tools are very useful and effective, which will facilitate the search and rescue activities.
- The coordination among economies in the region, such as in ASEAN region, is crucial in the prevention and management of disaster. Some countries in the region have signed agreements for search and rescue and also agreement with commercial vessels, which requires the signing parties to assist in the event of disaster.
- The lessons learnt from recent major disasters in the region are valuable for developing efficient and effective preventive measures.

Session III and IV on International efforts on search and rescue at sea and APEC cooperation for the promotion of reliable supply chain and strengthening connectivity was chaired by Dr. Nguyen Huu Phuc, Co - Chair of EPWG.

Singapore briefed the Workshop of the disaster situation in the Asia Pacific. The numbers show that most of the disasters happen in the Asia Pacific region. It is emphasized that there are many stakeholders involved in the event of disaster; therefore countries must be prepared to receive the appropriate assistance in case of emergency. This process may require more coordination and cooperation to avoid duplication. Some important mechanisms for cooperation at international and regional level include: (i) International: UNOCHA, INSARAG, UNDAC, APHP, UNEP; (ii) regional: SAARC, AADMER, ERAT. The delegate from Korea share on the Insarag External classification (IEC) which is an exercise program to select qualified rescue teams for overseas rescue operations. There are 6 classified teams in Asia Pacific (2 in Australia, 1 in Japan, 1 in the Republic of China, 1 in the Republic of Korea and 1 in Singapore).

The representative of Viet Nam Red Cross of the province of Thua Thien - Hue (Viet Nam) presented the organization structure of the provincial Red Cross offices. He shares experiences in search and rescue at the provincial level. The Viet Nam Red Cross in Thua Thien - Hue is one of the agencies to take part in the emergency response missions at provincial level. Its main responsibilities include assessment of disaster situation in the province, information dissemination for the prevention of disaster, training of rescue personnel and the community, emergency assistance in the event of disasters. He shares that there are many difficulties in the deployment of search and rescue missions due to (i) coordination between provincial agencies and between provinces, (ii) lack of appropriate fund and more modern SAR equipment. The lessons learnt include the need to have yearly plans for disaster prevention, building action plans and more importantly to enhance the capacity building activities.

Members had a very productive discussion about the international and regional mechanism on SAR and explored the possibility of strengthening cooperation between APEC members on search and rescue at sea. Participants reviewed how APEC can add value in this field.

Members noted the following points:

- The importance of disaster prevention and mitigation at community level.
- Frequent and active participation of international agencies in activities of APEC is valuable in obtaining updated information, common understandings and avoiding duplication of efforts.

 APEC members need to enhance cooperation to develop and implement strengthened and harmonized measures and best practices for emergency preparedness and search & rescue.

CONCLUSION AND RECOMMENDATIONS

Member economies shared the views that APEC is the most-affected region by such natural disaster as flood, earthquake, tsunami, etc. It is important for each and every APEC economy to enhance emergency preparedness capacity, in particular search and rescue capacity aiming to reduce uncertainty of moving goods and services throughout the region, thus help to contribute to the sustainable economic development of the region and facilitate secure trade in the wake of natural disasters.

Taking into consideration the Leaders instructions as well as to promote efficient and secure movement of persons and goods, foster a resilient supply chain system and further enhance APEC's work on emergency preparedness, participants agreed on the following recommendations:

- Cooperation and coordination among economies should be strengthened and on a regular basis. The creation of a common platform and database on SAR profile can be considered to enhance cooperation and SAR operation in the region.
- It is important to assign focal points in APEC member economies to facilitate the flow of fast information so that search and rescue operations can be executed more efficiently.
- To follow up with similar workshops and other activities on search and rescue at sea.
- Capacity and network building is essential for effective and efficient management and response to disasters.

Members endorsed the 'Summary Report' of the APEC Capacity building workshop on search and rescue at sea.

The workshop was closed by Dr. Nguyen Huu Phuc, Co - Chair of EPWG. Member economies expressed appreciation to the host economy for a fruitful and well organized workshop.

Annex

Presentations from APEC Capacity-building Workshop on Search and Rescue at Sea, APEC#213-EM-04.1



Asia-Pacific Economic Cooperation

APEC CAPACITY BUILDING WORKSHOP ON SEARCH AND RESCUE AT SEA

(Nha Trang, Viet Nam, 18-19, July, 2013)

PROGRAM

Wednesday, 17 July, 2013

Arrival of delegates

<u>Thursday, 18, July, 2013</u>

- 08.30 09.00 Registration
- 09.00 09.30 OPENING SESSION
- 09.00 09.10 **Opening remarks Dr. Nguyen Huu Phuc** APEC EPWG Co-chair

Opening remarks

- Dr. Hoang Van Thang
 Vice Minister of Ministry of Agriculture and Rural Development of Viet Nam Director of the Water Resources Directorate
- Mr. Masanori Hisaki
 Commander
 Search and Rescue division, Guard and Rescue Department,
 Japan Coast Guard
 Co-sponsor of the workshop
- 09.30 09.45 Group photo

09.10 - 09.30

09.45 – 11.50 Session I: Experience sharing on search and rescue (SAR)

Moderator: Ms. Pannapa Na Nan

Plan and Policy Analyst Research and International Cooperation Bureau Department of Disaster Prevention and Mitigation of Thailand

09.45 – 10.25 • Counter measures against massive natural disasters

Mr. Masanori Hisaki

Commander of the Search and Rescue Division, Guard and Research Department, Japan Coast Guard

Thailand's disaster management and SAR activities

Ms. Pannapa Na Nan

Plan and Policy Analyst Research and International Cooperation Bureau Department of Disaster Prevention and Mitigation of Thailand

10.25 - 10.45 Coffee break

10.45 - 11.25 • Major challenges in SAR activities in Viet Nam

Mr. Nguyen Thanh Phuong Disaster Management Center Ministry of Agriculture and Rural Development of Viet Nam

 Experiences from The Philippines on organizing SAR activities in major disasters

Captain Angel F Lobaton IV Commanding Officer, BRP Corregidor, Philippines Coast Guard

- 11.25 11.50 Discussion
- 11:50 13:30 Lunch break
- 13:30 15:30 Session II: SAR Procedure New technology and tools

Moderator: Mr. Alan Toh

Commander DART unit Singapore Civil Defence Force

13:30 – 14.30 • Support tools for enhancing SAR activities

Mr. Zhang Chongyang

Vice Director Ministry of Transport of the People's Republic of China

ASEAN 2013 Disaster management scenario

Mr. Pham Doan Khanh

Disaster Management Center Ministry of Agriculture and Rural Development of Viet Nam

- 14.30 14.50 Coffee break
- 14.50 15.30 Korea SAR service
 - Mr. Bang, Jang Won Head of Rescue Division National 119 Rescue Service, National Emergency Management Agency Republic of Korea
 - ASEAN cooperation on SAR

Mr. Le Van Duong World Vision

15.30 – 16.15 Discussion

18.30 – 20.30 Welcoming dinner

Friday, 19 July, 2013

09.00 – 10.30 Session III: International efforts on search and rescue at sea
<u>Moderator:</u> Dr. Nguyen Huu Phuc
APEC EPWG Co-chair

09.00 – 10.00 • SAR cooperation in the Asia – Pacific region Mr. Alan Toh Commander DART unit Singapore Civil Defence Force

Experience from Red Cross Viet Nam on SAR
 Mr. Tran Nguyen Nguyen Thanh
 Deputy Director
 Thua Thien Hue Red Cross

- 10.00 10.45 Discussion
- 10.45 11.00 Coffee break
- 11.00 11.45 Session IV: APEC Cooperation on Marine Search and Rescue Promoting reliable supply chain and strengthening connectivity.

Moderator: Dr. Nguyen Huu Phuc, co-chair EPWG

- Members to make recommendations on APEC cooperation and coordination between APEC and relevant international organization
- Adoption of the summary report
- 11.45 12.00 Closing Remarks

Dr. Hoang Van Thang

Vice Minister of Ministry of Agriculture and Rural Development of Viet Nam Director of the Water Resources Directorate

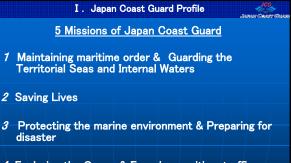
- 12.00 13.30 Lunch break
- 13.30 16.30 Field trip

Saturday, 20 July, 2013

Departure of delegates



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Contents	
I. Japan Coast Guard Profile	
II . Outline of the Disaster	
Ⅲ.Lessons learned from The Great East	
Japan Earthquake	

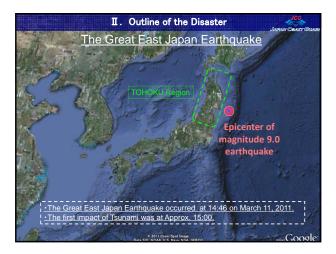


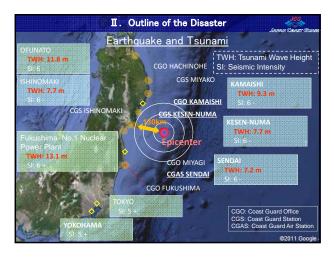
- 4 Exploring the Ocean & Ensuring maritime traffic safety
- 5 International Cooperation













I. Outline	of the Disaster
Damage	e summary
 Death: 	15,883
Missing:	2,671
Rescued persons:	27,157
 Total amount of dan 	nage:
	Approx. 20trillion JPY
	(\doteqdot 2,000 billion USD)
	* As of Jun. 10th, 2013

II. Lessons learned from ^{descreace} The Great East Japan Earthquake

- Problems and Difficulties
- Countermeasures
- Improvement measures after the disaster

Problems and Difficulties, Countermeasure taken by JCG

- 1. Initial response and establishment of response system
- 2. Search and Rescue
- $\ensuremath{\mathcal{3}}$. Response to the waterfront industrial complex fire
- 4. Support for earthquake and tsunami victims
- 5. Response to the nuclear disaster
- 6. Securing safety of the marine traffic
- 7. Ensuring emergency transportation routes and
- 8. Hydrographic survey for disaster-affected ports and correction / revision of navigational charts

1. Initial response and establishment of response system



Countermeasures Dispatched Patrol vessels/crafts, aircraft, etc. immediately as planned from all over the country, organized fleets at respective local disaster response headquarters

•Response system, including logistics such as supply and communication, was • "Emergent JCG staff mobilization

assets mobilization system**" are effective at a major earthquake

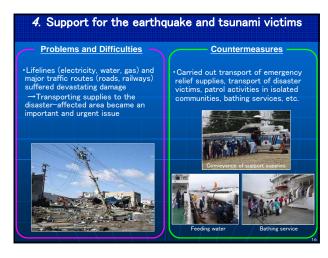
<u>* Emergent JCG staff mobilization system:</u> In case of emergency such as a major earthquake, JCG staff who are responsible for emergency response are determined

2. Search and Rescue

Countermeasures







5. Response to the nuclear disaster **Problems and Difficulties** Countermeasures

•Unprecedented nuclear hazard occurred due to radiator pov loss caused by the tsunami (INES level 7) *INES: International Nuclear Event Scale



Navigational warnings were issued following the evacuation orders and the designation of evacuation

•Patrol vessels were placed on alert and conducted warning and surveillance



6. Securing safety of the Marine traffic

Problems and Difficulties •A large quantity of rubble and ships swept away into the sea, and collapsed/inclined lighthouses threatened the safety of the marine traffic



Countermeasures Provided the necessary information for securing marine traffic safety through Navigational Warnings and Notices for Mariners Towed drifting ships and returned to the owners

•Removed floating objects •Carried out restoration work on damaged aids to navigation



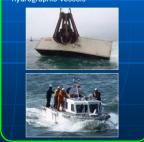
7. Ensuring emergency transportation routes

Problems and Difficulties

Providing logistical support by ships faced extreme difficulties in entering ports because of drifting or sinking wreckage in the port



Countermeasures •Salvaged containers, etc. sunk in the port in cooperation with appropriate authorities •Conducted a survey by the JCG's hydrographic vessels

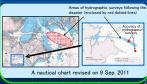


8. Hydrographic survey for the disaster-affected ports and correction / revision of navigational charts

Problems and Difficulties ariance with data such as shipping nes indicated on the chart and water spth of quays was created with land ubsidence caused by the earthquake nd tsunami ·Carried out the determination of auface level at lowest tide ned based on 'bench marks' on land ce for water depths indicated in nautical 1. Earthquake/tsunami ? ? 2 E

water depth to be listed in navigational charts and hydrographic datum which was to be the criteria for restoration construction of the damaged ports ·Conducted a hydrographic survey to correct the navigational charts and correction and revision of these

Countermeasures



Improvement measures after the disaster ⁻ Issue 1 Establishment of a response system

- 1. Disaster prevention from tsunami and securing of a response system Secure safety of personnel upon emergency summor -Select the routes of emergency summons using "Hazard map against earthquake/tsunami
- Early judgment on emergency mobilization -Making the check-list for judgment on emergency mobilization of Patrol vessels/crafts
- Coordinate with agencies concerned over emergency takeoff of aircraft
- Strengthen function of Disaster Response Headquarters
 Review on organization of Disaster Response Headquarters (Establish an initial response system with a limited number of personnel etc.)
- Prepare satellite communication equipment
- Strengthen a backup system on the occurrence of a disaster
 Review and strengthen mobilization (the "Mobilization plan of vessels and aircraft", "Personnel dispatch system") to suffered regional headquarters > Review a logistic support system (Supply system of emergency supplies, fuel,

- Improvement measures after the disaster
- 3. Strengthen a backup system on the occurrence of a disaster (cont.) \succ Strengthen the ability of the patrol vessel and move the headquarters function to a patrol vessel when headquarters building was damaged

Issue 2 Search and Rescue

- > Clarify an operational policy for emergency mobilization, including
- prioritization of operations Effectively use the mobility of helicopters, helicopter-mounted patrol vessels,
- rescue divers. etc. - Response action within the first 72 hours after the incident is extremely
- Issue 3 Provide information about damage and support for victims \succ e.g. Conclude an agreement with local FM stations and provide information
- necessary for victims and evacuees in real time
- Issue 4 Publicize safety information related to the marine traffic quickly Visualize Notices to Mariners and Navigational Warnings to be user friendly such information on decrease of water depth and floating objects, etc.

Improvement measures after the disaster

Issue 5 Response to navigation obstacles (floating objects at sea)

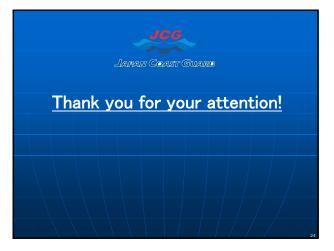
> Coordinate with agencies concerned over storage and disposal of recovered navigation obstacles and securing temporary berth for recovered drifting vessels

Issue 6 Deploy disaster-resistant aids to navigation

- Make aids to navigation to be earthquake-resistant and independentlypowered (solar powered), etc. to prepare for earthquake/tsunami
- Issue 7 Ensure emergency transportation routes
 - Strengthen cooperation with related agencies such as Ports and Harbors Bureau, Port managers, etc.

Issue 8 Prepare for earthquake/tsunami on Coast Guard Facilities

Prepare Coast Guard Facilities etc. for earthquakes and tsunami (Make the Facilities earthquake-resistant and set the emergency power generator in high places)



Thailand's Disaster Management and SAR activities

Department of Disaster Prevention and Mitigation, Ministry of Interior

Content

- Thailand's Disaster Management
- DDPM and Emergency Response Teams: ERTs
- SAR activities during ASEAN Regional Forum Disaster Relief Exercise: ARF DiREx2013

Welcome to Thailand!

Background Information:Population:69,518,155 (2011, World Bank)GDP:345.6 billion USD (2011, World Bank)Capital:Bangkok (9 millions population)Administrative Divisions:76 Provinces



Disaster Management System

- Disaster management system of Thailand is geared by the Disaster Prevention and Mitigation Act 2007 (B.E. 2550)
- It mandates <u>DDPM as the central government agency to</u> <u>operate any related activities on national disaster</u> <u>prevention and mitigation</u>
- It also identifies several mechanisms to ensure the implementation of disaster management system
 - Disaster Management Committee (National, Provincial and District level)
 - $\,{}_{\circ}\,$ Disaster Prevention and Mitigation Plan

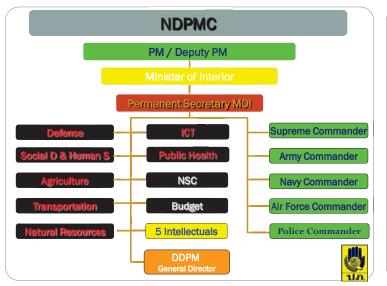


Crisis Management

- National Disaster Prevention and Mitigation Plan (2010-2014)
- National Disaster Prevention and Mitigation Committee (NDPMC)
- Disaster Preparedness

Administration	DPM Act B.E. 2550 (Policy Making Body)	DPM 5-year Plan (Incident Commanding)
National	National Disaster Prevention and Mitigation Committee	Level 4 (Extremely large scale disaster): PM/appointed Deputy PM Level 3 (Large scale disaster): DDPM DG/Minister of Interior
Regional	Provincial Disaster Prevention and Mitigation Committee	Level 2 (Moderate): Governor
Local	Local Disaster Prevention and Mitigation Committee	Level 1 (Small scale): Mayor/Chief Executive/Chief districts

Lovel of Emergencies



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กรมป้องกันและบรรเทาสาธารณภัย

กระทรวงมหาดไทย

- 6. TRAIN AND IMPROVE SKILL IN DISASTER MANAGEMENT AND DISASTER VICTIMS ASSISTANCE IN LINE WITH THE LAWS AND REGULATION
- 7. PROMOTE, SUPPORT AND TAKE ACTION IN ASSISTING DISASTER VICTIMS AS WELL AS DISASTER RECOVERY ACTIVITIES
- 8. DIRECT AND COORDINATE THE OPERATION TO ASSIST THE DISASTER VICTIMS IN LARGE SCALE DISASTER
- 9. COOODINATE IN DISASTER MANAGEMENT ACTIVITES WITH AGENCIES BOTH DOMESTIC AND INTERNATIONAL
- **10. OTHER RELATED AUTHORITY**

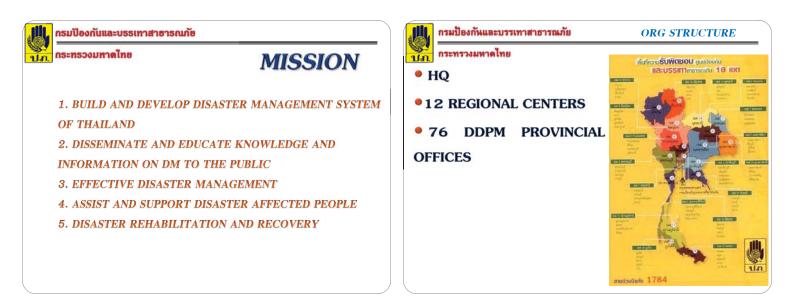


อำนาจหน้าที่

กรมป้องกันและบรรเทาสาธารณภัย

VISION

DDPM IS THE CENTAL NATIONAL AGENCY REPONSIBLE FOR DISASTER PREVENTION AND MITIGATION THAT ALIGNS WITH **GLOBAL STANDARD FOR THE BENEFITS AND** SAFETY OF THE THAI PEOPLE IN A SUSTAINABLE MANNER



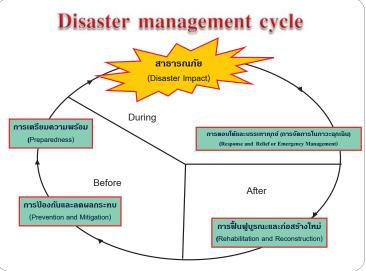


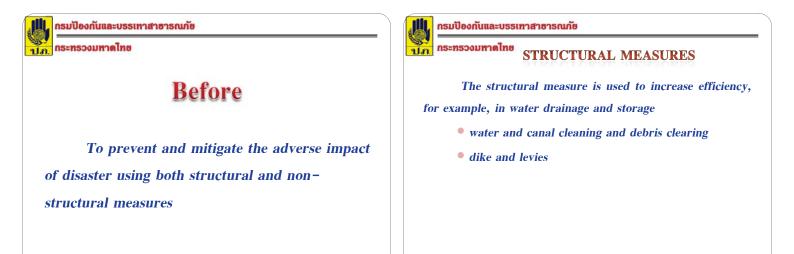
กรมป้องกันและบรรเทาสาธารณภัย

กระทรวงมหาดไทย

Disaster Management Activities









📘 กรมป้องกันและบรรเทาสาธารณภัย

กระทรวงมหาดไทย

NON-STRUCTURAL MEASURE

(1) formulation of the National Plan for Disaster Prevention and Mitigation





Conducting plan exercises at all levels







กรมป้องกันและบรรเทาสาธารณภัย

(4) COMMUNITY READINESS

1) conduct CBDRM Training for 6,314 communities As of 20 March 2012





Application of CBDRM in risk areas

400 communities at risk will be trained on CBDRM for flashflood and landslide each year. So far, 6,215 communities completed CBDRM course (as of 30 December 2011)







กรมป้องกันและบรรเทาสาธารณภัย

กระทรวงมหาดไทย (4) COMMUNITY READINESS

2) ONE TAMBON ONE SEARCH AND RESCUE **TEAM : OTOS**

Completed: 6,996 tambons

Data as of 20 Mar 2012





Development of OTOS (One Tambon One SAR Team)

Every Tambon or sub-district (7,255 tambons) should have their own SAR team. Now, we have OTOS established and well-equipped in 6,987 tambons .





กรมป้องกันและบรรเทาสาธารณภัย

กระทรวงมหาดไทย

- (5) HR DEVELOPMENT
- 1) The Disaster Prevention and Mitigation Academy (DPMA)
 - Offer over 43 courses for DDPM staffs, local government officials and general nublic
 - Has 6 campuses in Chiang Mai, Prachinburi, Phuket, Pitsanulok and 2 others







2) Emergency Response Team : ERT

Total number: 458 persons

As of 20 Mar 2012





Emergency Response Team: ERT

- Initiated by the cabinet to build an emergency response capability within government unit
- First ERT was set up in 1997 with 190 trained emergency response officers
- Each officers is trained at DPM Academy: 45 days Basic ERT Training Course
 - Fire rescue, USAR, basic paramedic, traking, water rescue, rope rescue, car accident rescue, confined space rescue, etc.
 - HAZMAT and Forest Fire Rescue



Development of Emergency Response Team (ERT) to be the high competent search and rescue resource







Capacity Development of Civil Defence Volunteer

At least 2% of population should be the member of CDV group. Now, we have 1,195,052 volunteers, accounted for 1.89% of the population.





กรมป้องกันและบรรเทาสาธารณภัย

กระทรวงมหาดไทย

(5) HR DEVELOPMENT

4) Mr.Disaster Warning

• Total: 20,296 person

Data as of 20 Mar 2012





Development of Mr./Ms. Disaster Warning

Mr./Ms. Disaster Warning is trained to make sure that warning reaches the last mile. Nationwide, there are 20,296 mr./ms. Disaster warning at the village level.







- Backup Communication Line
- 1784 Hotline











Themes

"Well Coordinated Swift Response Save Life"

Objectives

- Advance and build capacity in the Civil-Military coordination in response to disaster.
- Advance the multinational disaster response progress.
- Address disaster relief issues at strategic, operation and tactical levels.

Objectives

- Test existing SOPs / protocol / tools of ASEAN, regional, international and the host nation.
- Advance ARF participants ability to coordinate disaster relief.
- Advance host nation to response to humanitarian assistance requirements.

ARF DiREx Calendar

		May 2013					
Date	6	7	8	9	10	11	12
TTX	CIQ	Academic	ттх	Field Obs	Closing	Depart	
FTX	Arrival	FTX Brief	FTX Ad	ctivities	AAR	Depart	



ARF DiREx 2013

- Scenario: Collapse Building, HAZMAT, Sea Rescue, Medical and Evacuation camp, and EOC
- DDPM Emergency Response Team joined the exercise (team of 12)



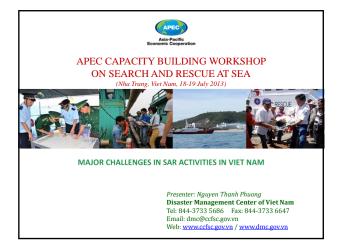




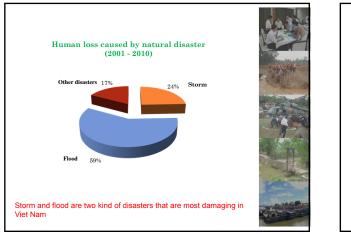




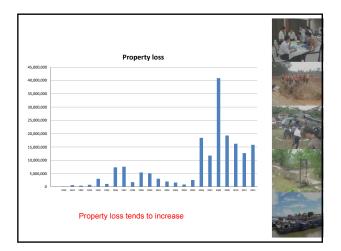


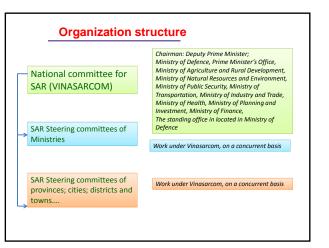












BASIC SITUATIONS

- 1. Storms, depressions cause floods and tsunami
- 2. Forest fires.
- 3. Fires in buildings, urban areas, industrial zone, residence ...
- Earthquakes and other accidents that may cause building collapses, tunnel collapses...
- 5. Oil spills



BASIC SITUATIONS

- 6. Poison leaks and dispersions
- 7. Plane accidents in the territory of Viet Nam
- 8. Boat and ship accidents
- 9. Dike, pond and dam breaks
- 10. Rig fires and explosions
- 11. Serious road, railway and waterway accidents



RESULTS

LEGAL BASIS AND POLICIES

- Master Planning Scheme on search and rescue until 2015, and 2020 vision (46/2006/QĐ-TTg dated 28/2/2006)
- Detail catalogue on tools for SAR activities and the list of projects to invest in production and to purchase equipment for SAR activities until 2020 (1656/QĐ-TTg dated 06/12/2007)
- Regulations for oil spill responses (103/QĐ-TTg dated 12/5/2005)
- Developing plan on preparing resources for nuclear plan incidents to submit to the Prime Minister

RESULTS

MANAGEMENT AND INSTRUCTIONS

- Instructing standing SAR office of Ministries and local authorities to maintain online 24/24
- Reviewing and adjusting plans for emergency responses.
- Cooperate with Central steering committee for flood and storm to instruct ministries and relevant agencies to timely response to such disasters as flood, fire, storm....



SAR Information system model

RESULTS

COORPERATIONS

- Coorperate closely with the Consulate Department, MOFA to timely respond to SAR activities involving foreign elements
- Establishing cooperation with other countries, propose neighbour countries to give shelters to boats and fishermen in time of storm and depression.
- Cooperate closely with ASEAN countries, the U.S., China, Russia and Japan... to share experience and lesson learnt on disaster management and SAR activities
- Enhance awareness of people on disaster management and SAR activities

COORDINATION AND COOPERATION

- VINASARCOM
- Central Steering Committee for Flood and Storm
- Local steering committees for Flood and Storm and SAR
- Relevant ministries and agencies: Ministry of Foreign Affairs, Ministry of Health, Ministry of Transportation, Ministry of Defence...
- Forces directly involve in the rescue: National Army, Public Security, Volunteer...
- Specialized equipments

MAJOR CHALLENGES

- Loose cooperation among agencies
- Lack of specialized equipments
- Poor management of boats and fishermen: lack of information, unqualified boats and ships, lack of lifebuoys...;
- Ambigous working mechanism;
- Poor and unfeasible response plans in some local areas...;

MAJOR CHALLENGES

- Subjectivism and lack of concentration, especially in local authorities and people
- Loose cooperation among local authorities
- Incorrect and late information, false alarms

PRIORITIES OF THE COMING PERIOD



oil spill response vessels

- Enhacing awareness and implementation on disaster management and SAR.
- Developing plan and prepare resources for responding to nuclear plant incidents
- Complete the plan for responding to climate change of VINASARCOM
- Maintain online 24/24 to timely respond to any problem
- Check and review response plan regularly to adjust if neccesary

PRIORITIES OF THE COMING PERIOD

- Improve the quality of trainings, holdmore rehearsal
- Strengthen cooperation with other countries to share experience, lesson learnt and assist each other in case of emergencies



- Develop scheme on establishing training center and training ground for SAR
- Establishing a National Center for managing and responding to disasters (including SAR activities)

Establish Marine SAR center. Better-equipped tools for SAR activities: helicopters, patrol boats,

PRIORITIES OF THE COMING PERIOD

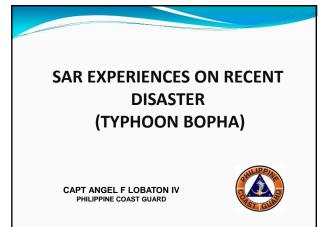




THANK YOU Contact Disaster Management Center

Water Resources Directorate No. 2 Ngoc Ha, Ba Dinh, Ha Noi Tel: +844 3733 5686 Fax: +844 3733 6658 Website: <u>www.ccfsc.gov.vn</u> Email: <u>dmc@ccfsc.gov.vn</u>

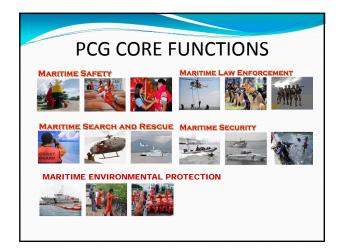
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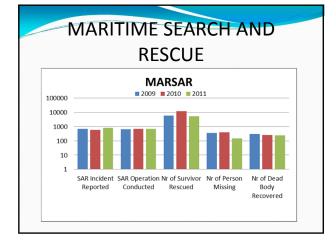
PHILIPPINE COAST GUARD

MISSION

 "To promote safety of life and property at sea, safeguard the marine environment and resources, enforce all applicable laws within the Philippine waters, and conduct maritime security operations and other activities in support of national development"







REGIONAL AGREEMENTS ON SAR

- MOU bet the DOTC of the Philippines and the Ministry of Communications of the People's Republic of China on Maritime Cooperation (27 Apr 2005)
 - Maritime Safety
 - Marine Environmental Protection against Pollution
 - Port State Control
 - Human Resources Development
 - Information Exchange
 - PCG and China Maritime Safety Administration shall be responsible for the implementation of the MOU

REGIONAL ENGAGEMENTS ON

SAR

- MOU bet the Manila Economic and Cultural Office in Chinese Taipei and the Taipei Economic and Cultural Office in the Philippines on Maritime Search and Rescue and Marine Environmental Protection Cooperation (21 Feb 2008)
 - Conducted SAR Table Top Exercise in Manila on June 2012
- MOA bet the Government of the Republic of the Philippines and Government of the Socialist Republic of Vietnam on Cooperation in Search and Rescue at Sea (26 Oct 2010)

SAR SYSTEM

- NATIONAL DISASTER RISK REDUCTTION MANAGEMENT COUNCIL (NDRRMC) – National government agency in charge (overall) of coordinating disaster mitigation and response
- PCG SAR SYSTEM
 - DISASTER PREVENTION AND MITIGATION
 - SAR PREPARATIONS
 - RESPONSE
- RECOVERY AND REHABILITATION

DISASTER PREVENTION/ MITIGATION

- 1. Use of Geohazard Maps to identify disaster prone areas and the need to transfer residents away from these areas.
- 2. Timely Dissemination of the latest weather forecast (LPA, Tropical Depression, Tropical Storm) to different PCG Units.
- Advise fishing boats and other small sea craft not to venture out in the sea while larger sea vessels are alerted against big waves during inclement weather.

DISASTER PREVENTION/ MITIGATION

4. Remind all PCG Districts on current regulations for:

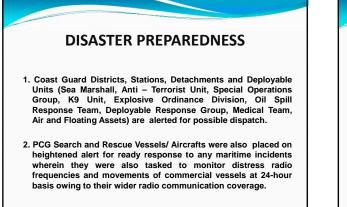
Memorandum Circular Nr 01- 09 - Guidelines on Movements of Vessels During Heavy Weather

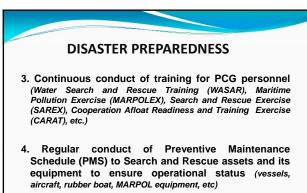
All vessels, regardless of tonnage, shall not be allowed to sail except to take shelter, as the situation may warrant, when Public Storm Warning Signal (PSWS) Nr 1 or higher is hoisted within its point of origin, the intended route and point of destination"

Memorandum Circular Nr 03 dated 02 February 01 - Guidelines on Movements of Motorboats/Vessels in the Absence of Weather Bulletin in the Locality

HPCG Standing Operation Procedures Nr 002-09 -Interim Guideline on PCG Alert Condition/Levels

5. Continuous monitoring on the progress of weather disturbance and immediately update all PCG Districts affected.





5. Forward deployment of PCG assets and personnel to strategic location and response centers.

Presentation from APEC Capacity-building Workshop on Search and Rescue at Sea, APEC#213-EM-04.1

DISASTER RESPONSE

- 1. Deployment of PCG Search and Rescue Vessels, Aircraft and Response Teams (Anti – Terrorist Unit, Special Operations Group, K9 Unit, Explosive Ordinance Division, Oil Spill Response Team, Deployable Response Group, Medical Team)
- 2. Conduct lateral coordination with the different agencies
- 3. Monitor the progress of the deployment of Search and Rescue Vessels, Aircraft and Response Teams.

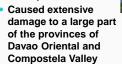
DISASTER RECOVERY AND REHABILITATION

1. Coordinate with government and non government agencies on the distribution of relief goods, medical assistance and other rehabilitation activities to help the victims.

2. Provide floating and air assets, medical and response teams to assist during the relief and rehabilitation operations.

TYPHOON BOPHA (PABLO)

 Entered PAR on 03 December 12 and made landfall on 04 Dec 12 along eastern Mindanao packing winds of more than 175 mph.



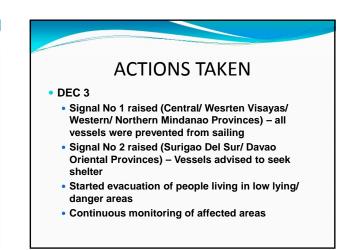
TYPHOON BOPHA (PABLO)

- Caused flash floods and mud/landslides
- Damage estimated \$1.5 \$2 Billion
- Casualty 900-1000
- Initial 300 missing fishermen (most were rescued/ accounted for)
- 80,000 homeless

ACTIONS TAKEN

• Dec 2 -

- NDRRMC put on alert areas in Mindanao and Central/ Western Visayas Provinces. Forward deployment of relief goods and residents in areas projected to be hit by the Typhoon alerted for possible evacuation
- PCG alerted operating units along the projected path.
- Weather bulletin were monitored and regularly disseminated to all units



ACTION TAKEN

• DEC 4

- · Continuous monitoring of hardest hit areas
- Initial report of casualties

• DEC 5

- Deployed of floating assets SARV 3504/ 3502/ 003/ 002/ MCS 3004/ 3009 for SAR along the coasts of eastern Mindanao
- Deployed of AFP/ PNP units for SAR
- Deployed of PCG shore units to assist in SAR operations inland.
- Deployed other SAR units for different gov't agencies

ACTIONS TAKEN

• Dec 6-13

 Continuous SAR operation (rescue of people swept to sea by flash floods, evacuation of survivors by sea from worst hit towns to safer places, ferrying by sea of other SAR teams to isolated towns, ferrying of relief supplies to isolated towns.

Dec 14 onwards

 Relief and rehabilitation operations conducted by all concerned agencies with assistance from other countries

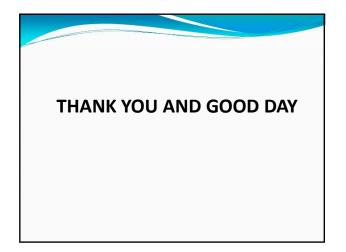
PROBLEMS ENCOUNTERED

• Flashfloods/ mud/landslides isolated coastal towns along the eastern coast of Mindanao

- Power supply at worst hit areas went down.
- Identified evacuation centers and medical facilities were also badly damaged
- Presence of floating logs/ debris made SAR at sea difficult and downright dangerous.
- Lots of missing fishermen due to insufficient warning

LESSONS LEARNED

- Preventive/ Mitigation measures were effective to the extent that no large passenger ferry/ cargo vessel became casualty. Need to improve storm warning dissemination to small fishing vessels already at sea. Likewise need to strictly enforce early evacuation efforts of residents in low lying/ disaster prone areas
- Forward deployment of SAR units contributed to quick response
- Forward deployment of relief supplies contributed to the quick distribution to survivors
- Close coordination of SAR units maximize the efficient and effective use of limited resources



Presentation from APEC Capacity-building Workshop on Search and Rescue at Sea, APEC#213-EM-04.1



Framework of The Topic

I. China Maritime SAR organization
II. SAR Facilities
III.Support Tools for enhancing SAR activities
IV.The New Developed Tools for SAR









China MRCC is responsible for all SAR operations for ships in distress, both within China waters, and China Maritime SRR.

SAR Statistics of the China MRCC

Year of 2009

- 1964 SAR operations carried out.
- About 7708 vessels and 302 aircrafts were coordinated /dispatched. About 18397 lives including 1009 foreigners were saved or assisted.
- SAR Efficiency 96.2%

Year of 2010

- 2218 SAR operations carried out.
- About 8095 vessels and 345 aircrafts were coordinated /dispatched.
 About 23555 lives including 1458 foreigners were saved or assisted.
 SAR Efficiency 96.1%

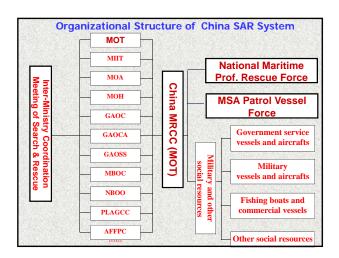
SAR Statistics of the China MRCC

Year of 2011

- 2177 SAR operations carried out.
- About 8636 vessels and 402 aircrafts were coordinated /dispatched.
 About 18712 lives including 1358 foreigners were saved or assisted.
- SAR Efficiency 96.7%

Year of 2012

- 1953 SAR operations carried out.
- About 7316 vessels and 352 aircrafts were coordinated /dispatched.
- About 16392 lives including 1237 foreigners were saved or assisted.
 SAR Efficiency 96.7%



Main Responsibilities Of China MRCC

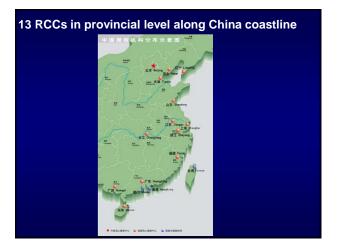
- Organizing, coordinating and commanding serious SAR operations and marine pollution responses;
- Establishing national SAR and marine pollution response communication & information system;
- International maritime SAR and Oil Pollution Preparedness /Response (OPPR) cooperation and information exchange.
- Receiving And dealing with Piracy-attacking information.

National Inter-Ministry Joint Conference Regime (NIMJCR)

The State Council approved to establish the National Inter-Ministry Joint Conference Regime (NIMJCR) in 2005, which established a highest strategy regime on National Maritime SAR Affaires.

NIMJCR conference will be held at least once a year to discuss cooperation between governmental and military agencies and solve the problem of SAR in China.

Provincial or local SAR networks were established by Provincial government to render assistances to SAR.



Emergency SAR call number to report maritime accident

12395



SAR Facilities

4 dedicated SAR helicopter bases have been established along the coastal area with 20 helicopters in service.

The number of the dedicated professional rescue vessels reaches to 73 in 18 rescue base; The number of the patrol vessels of the China MSA reaches to 1000.

- One 2000 ton-class and another three 3000 tonclass patrol vessels equipped SAR helicopter.















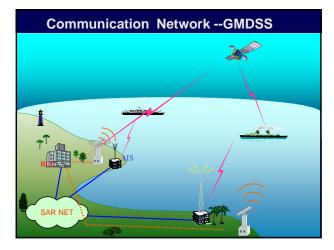


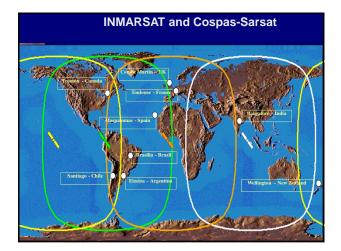
Rescue vessels in Yangtse river

Medium sizes 14 / Small sizes 45 High-speed lifeboats 103

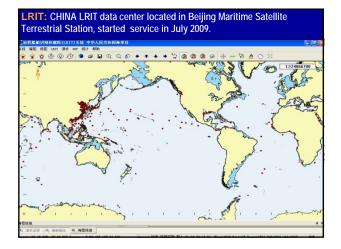












IV. The new developed Tools for SAR at sea

- 1. Compass Lifesaving Position Indicating Radio Beacon
- 2. Assistant Decision-Making System (ADMS) for SAR at sea

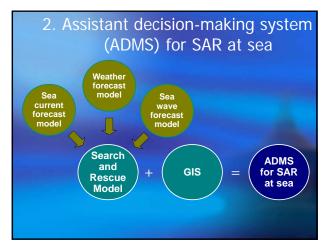


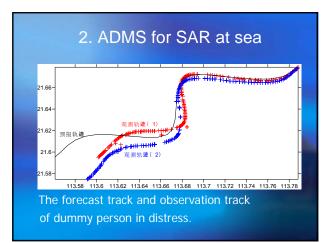


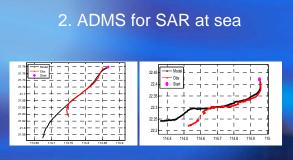












The forecast track and observation track of unpowered vessels.



Centre to rescue about 44 persons in last year.



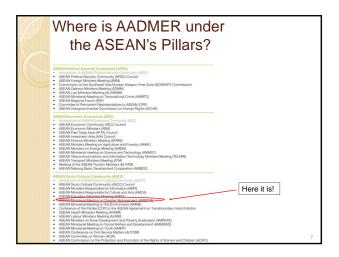


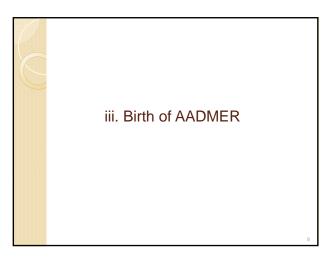












Trends and Predictions <u>1970-1979</u> -138 occurrences of disasters in Southeast Asia in the period 1970–1979 <u>2000–2009</u> : -Occurrences of disaster reached 508, an increase of 368 percent since the 1970s <u>Emerging Trend</u> : -There will be almost 1,000 occurrences of disaster in the next decade, or an average of about 100 disasters per year								
	1970-1979 1980-1989 1990-19		-1999	999 2000-2009				
Country	No.	%	No.	%	No.	%	No.	%
Country Brunei Darussalam	No.	%	No.	%	No.	% 0.29	No.	
								% -
Brunei Darussalam			-	-	1	0.29	-	%
Brunei Darussalam Cambodia	-	•	- 1	- 0.47	1	0.29	- 16	% - 3.14 29.93
Brunei Darussalam Cambodia Indonesia	37	- - 26.81	- I 78	- 0.47 36.79	1 13 80	0.29 3.83 23.6	- 16 152	% - 3.14 29.92 1.77
Brunei Darussalam Cambodia Indonesia Lao PDR	- - 37 3	- - 26.81 2.17	- 1 78 6	- 0.47 36.79 2.83	1 13 80 15	0.29 3.83 23.6 4.42	- 16 152 9	% 3.1 29.9 1.7 6.6
Brunei Darussalam Cambodia Indonesia Lao PDR Malaysia	- - 37 3 3	- 26.81 2.17 2.17	- 1 78 6 4	- 0.47 36.79 2.83 1.89	1 13 80 15 20	0.29 3.83 23.6 4.42 5.9	- 16 152 9 34	% - 3.14
Brunei Darussalam Cambodia Indonesia Lao PDR Malaysia Myanmar	- 37 3 3 8	- - 26.81 2.17 2.17 5.8	- 1 78 6 4 3	- 0.47 36.79 2.83 1.89 1.42	1 13 80 15 20 8	0.29 3.83 23.6 4.42 5.9 2.36	- 16 152 9 34 14	% 3.14 29.93 1.77 6.69 2.75
Brunei Darussalam Cambodia Indonesia Lao PDR Malaysia Myanmar Philippines	- 37 3 3 8 75	- 26.81 2.17 2.17 5.8 54.35	- 1 78 6 4 3 87	- 0.47 36.79 2.83 1.89 1.42 41.04	1 13 80 15 20 8 116	0.29 3.83 23.6 4.42 5.9 2.36 34.22	- 16 152 9 34 14 145	%
Brunei Darussalam Cambodia Indonesia Lao PDR Malaysia Myanmar Philippines Singapore	- 37 3 3 8 75 -	- 26.81 2.17 2.17 5.8 54.35 -	- 1 78 6 4 3 87 -	- 0.47 36.79 2.83 1.89 1.42 41.04 -	1 13 80 15 20 8 116 1	0.29 3.83 23.6 4.42 5.9 2.36 34.22 0.29	- 16 152 9 34 14 145 2	% - 3.14 29.92 1.77 6.65 2.77 28.54 0.35



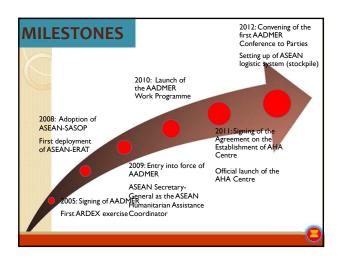


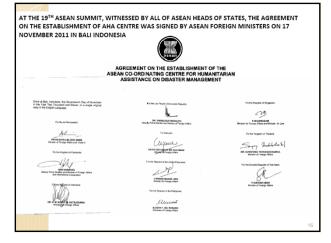


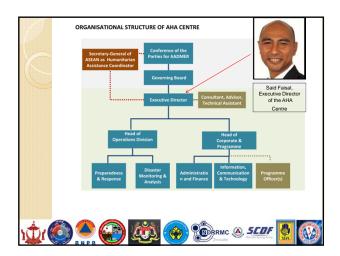


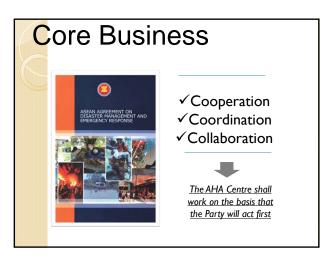


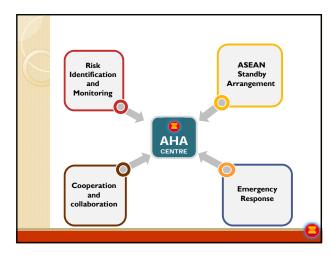


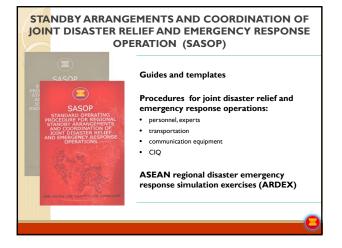






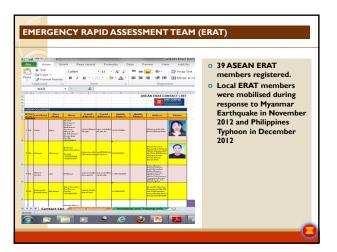


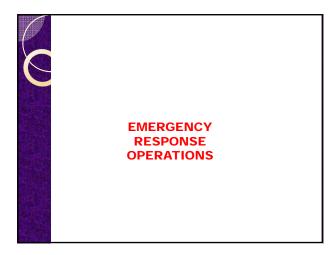


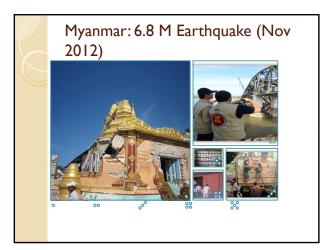








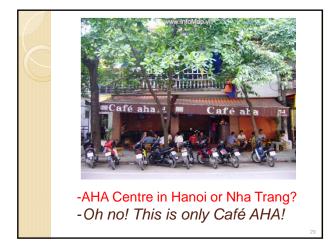




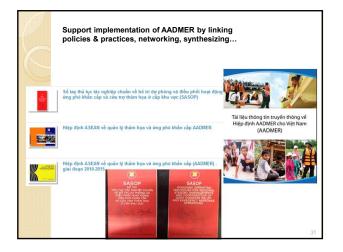


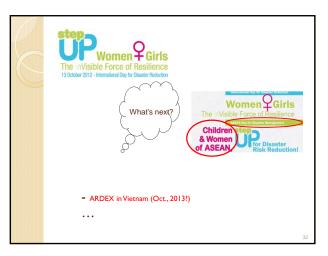
Opportunities

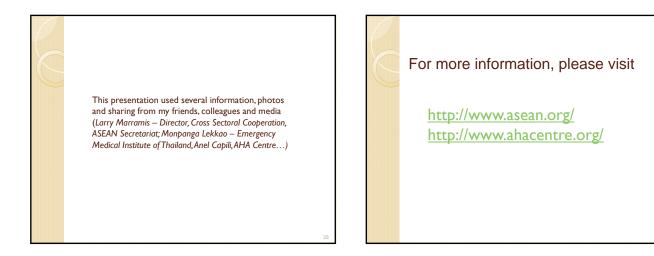
- Availability and accuracy of information
- In country support
- Availability of local ERAT
- Local logistical knowledge and network (suppliers, ground handling, human resource mob, etc.)
- <u>ASEAN Regional Disaster Exercises</u> (ARDEX) – October 2013, Viet Nam
- Capacity for People-centred Recovery and Reconstruction











Some food for thought:

-It took almost 4 years for AADMER to be effective (from signing in 2005 to 2009)

- AHA Centre is a "two - year old boy" by Nov. 2013, how he will interact and grow with his brothers/sisters such as APEC- ADMER, TPP – ADMER (*if any*)?





			주아/10구조대
		CONTENTS	
	1.	DOMESTIC SAR	MAN HA Sale Korea
• •	2.	OVERSEAS SAR	
• • •	3.	APPLICATION OF SAR	
	4.	ACTIVATION OF SAR	

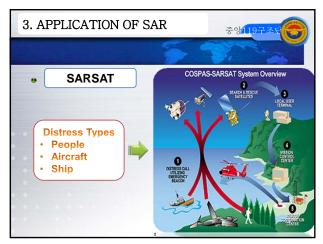










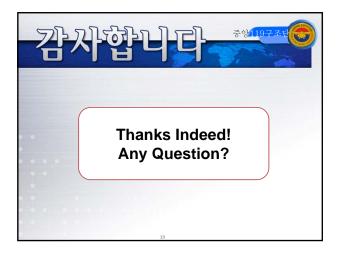


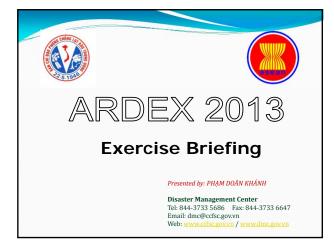


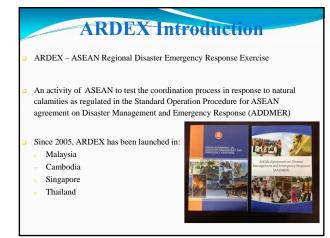










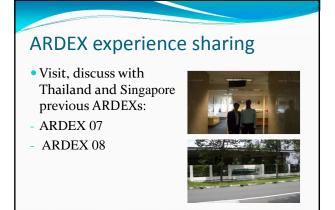


Exercise Objectives

- Improve cooperation and coordination capacity in disaster emergency response and relief among ASEAN countries;
- Enhance the understanding, experience and technical knowledge sharing among countries to contribute to enhance capacity in disaster prevention and mitigation;
- Evaluate the Standard Operating Procedure for Regional Standby Arrangements and Cooperation of Join Disaster Relief and Emergency Response Operations (SASOP);



Direction for ARDEX Preparation Decision No.1631/QĐ-TTg dated 31/10/2012 of the Prime -Minister on the on the establishment of a steering **Committee (including** representatives of nine ministries and leaders of Hanoi city Decision No. 15/QĐ-PCLBTW dated 29/1/2013 of the Central **Committee for Flood and Storm** Control on the establishment of support group for steering committee composed of representatives from Ministries/agencies and Hanoi city





ARDEX Preparation

Invite ASEAN Secretariat, executive director of AHA center and representative focal point of Singapore to Vietnam from 4 to 5 April to discuss to prepare for contents of exercise.



ARDEX Preparation

Central Committee for Flood and storm control (CCFCC)- MARD:

- General guidance on the preparation and organization of exercise
- Chair to develop the overall plan of the exercise
- Develop scenario on response mechanism exercises Focal contact with the ASEAN Secretariat, the AHA Centre and ASEAN
- countries
- Chair Exercise planning team meetings, preparing the logistics work

VINASACOM - Ministry of National Defense:

- Chair to develop exercise scenario
- Design to construct the exercise sites
 - Set up commander post, manage the exercise
- Organize to give license, control, manage the forces, equipment involving in search and rescue of international organizations
 - Ensure security, safety in the exercise area in the exercise day

ARDEX Preparation

Ministry of Foreign Affairs

Primary responsibility for foreign affairs and consul, in collaboration with the Ministry of Agriculture and Rural Development and other ministries perform other related duties during preparation and exercise organization

Ministry of Public Security

Chair to ensure security and smooth traffic during exercise. Primary responsibility for immigration procedures for search and rescue forces in the exercise

Ministry of Communication and Information

Make sure the communications, media coverage of the exercise process

ARDEX PREPARATION

Ministry of Transportation

Coordinate to arrange the layout of the CIQ exercise area at Noi Bai international airport

Ministry of Finance

- Coordinate with the Ministry of Public Security directs General Department of Customs to implement CIQ procedures

- Ensure budget for preparation and exercise
- The People's Committee of Hanoi City
- To mobilize local forces to participate in military exercises
- To coordinate with the Ministry of Public Security to
- ensure security and safety during exercise

Exercise Scenario

er typhoon "NEPTUNE" with Super typnoon NEPTONE with wind intensity of 12, 13 (130-150 km/h) and gusts level 14, 15 (170-180 km/h) lands in the area of Northern Delta provinces of Vietnam Road, railway system and some airports have ceased operations

+Consequences:

-Large scale inundation; some dyke systems are broken; some systems are proken; some neighboring areas, public infrastructures have collapsed -About 2,000 dead, 500 missing, tens of thousands of people lost their shelters and in need of emergency sistance

Super typhoon "NEPTUNE" lands in Hanoi area leading to severe flood, breaks many dyke lines

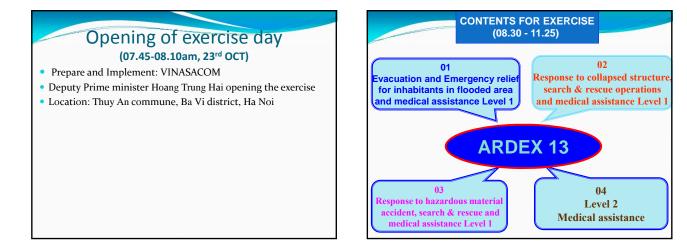
-Hundreds of houses collapsed and wiped out by the flood water

+ According to report from Hanoi City:

-1,000 dead -300 inhabitants missing -More than 10,000 people lost their houses More than 5,000 people need to be

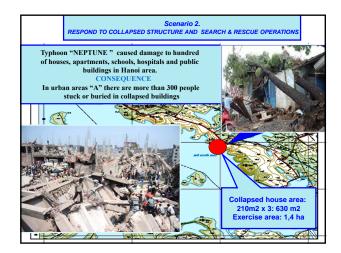
evacuated and provided with emergency relief



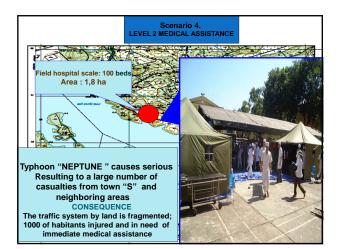


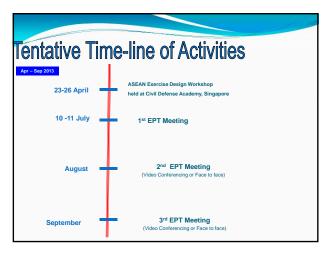


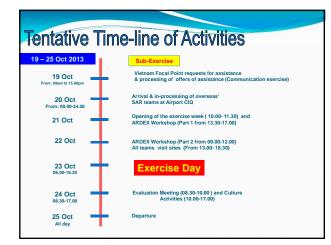






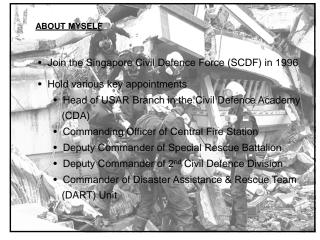








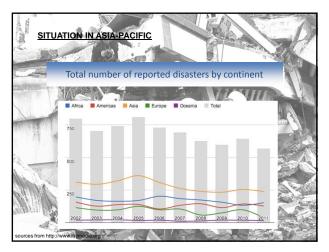


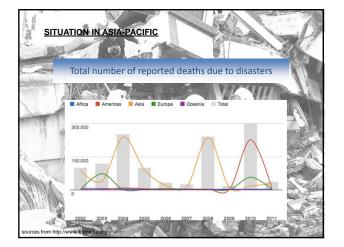


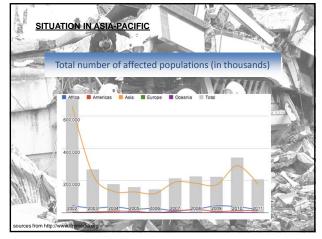


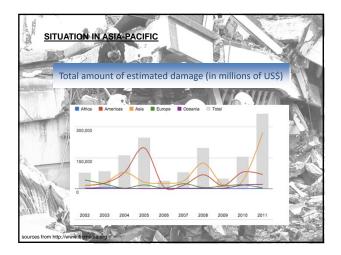


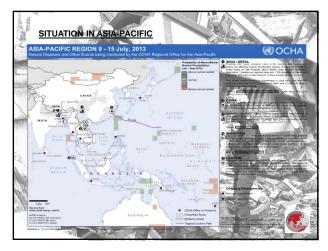






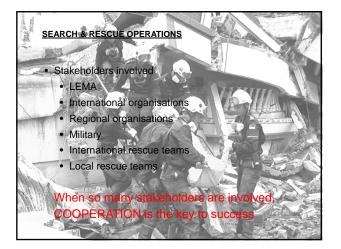




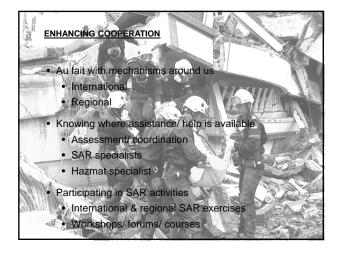


















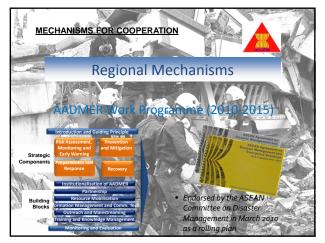
































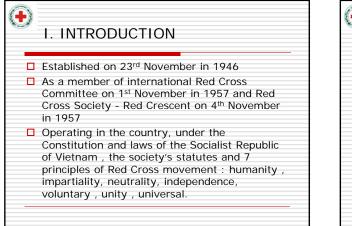






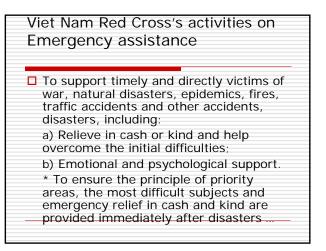


•	SOCIETY
	Red cross society is the social organization of the masses, activities for humanitarian objectives - peace - friendship, contributing to the goal of a prosperous people, a strong country, social justice, democracy, civilization and happiness of people.

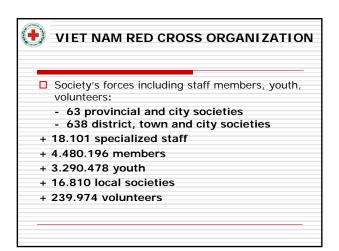


7 fields of activities:
- Emergency assistance, humanatarian relief
- Healthcare
- First Aids
- Blood, tissue and organ donation
- Reuniting families separated by war and natural disasters
- Dissemination of humaitarian values
- Disaster prepareness and response

resp	oonse
Cont	ributing to reduce the risk of disaster, loss of
	and property when disaster strikes, including:
	Propagating and disseminating the knowledge,
	ucting for members, volunteers and people
	on prevention and disaster response;
	Organizing forces, facilities and other physical ition for disaster preparedness and response;
	Managing the evacuation, relocation and
	ection of the people, rescuing people and
comr	nunity activities for recovery after a disaster



• VIET NAM RED CROSS ORGANIZATION
+ Viet Nam Red Cross Society;
 + Red Cross of provinces and cities under the Central Government;
+ Red Cross of district or equivalent;
+ Red Cross of communes, wards and
towns.
The establishment, division, separation, merger, consolidation or dissolution of the organization are carried out in accordance with the law.



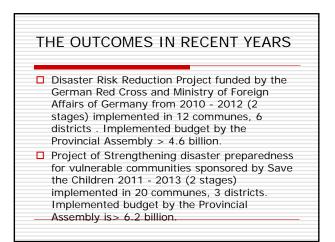


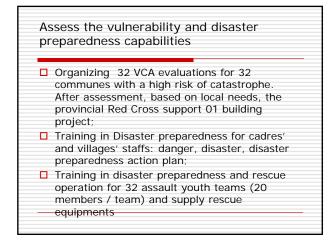
Thua Thien Hue Red Cross Society:	
09 district, city and town societies	
 01 Assault Youth Team 	
03 local societies	
18 provincial specialized staffs	
22 district's specialized staffs	
152 town's specialized staffs	
2.781 village societies, schools	
43.122 members	

Why do Red Cross Society join rescue operation?	
Result from community's demand : accordi to the evaluation of locals vulnerable and i the high-risk due to natural disasters, capa building for disaster management of community school is very necessary.	n

Т	he legal basis:
	According to the Law on Red Cross activities (No. 11/2008/QH 12) and the Red Cross Charter amendment (2012) stated: Red Cross activities involved prevention, disaster response;
	Project cooperation agreement: "Raising awareness and community-based disaster management community" (1002 scheme) between MARD and Vietnam Red Cross Central;
	Vietnam Red Cross Society is a member of the International RedCross, Red Crescent movement and the International Committee of Red Cross.

































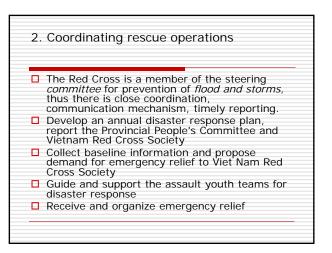




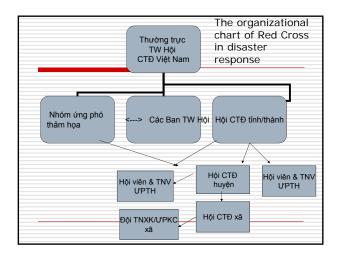


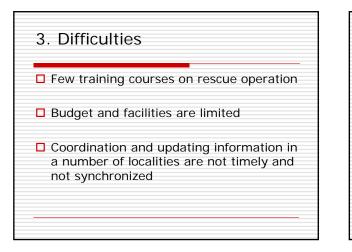


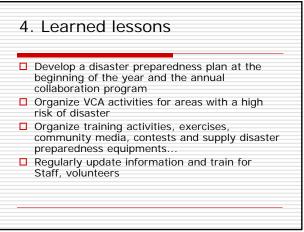


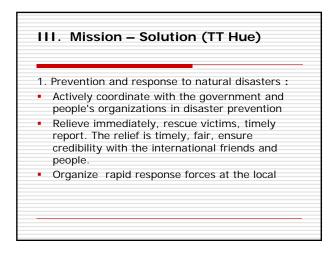












2. Collaborate with other organizations and individuals internationally and domestically

- Continue to build good cooperation between Thua Thien Hue Red Cross Society and International Red Cross Society International Confederation of Labour, the International Committee of the Red Cross and National Red Cross, the traditional partners (NAV, Save the Children , SRD ...) in training and improving disaster preparedness skills Doing research on humanitarian needs in the province, promoting effective implementation of humanitarian projects of the traditional partners and new partners such as disaster preparedness, climate change, development projects for the poor, children. Mobilize domestic and foreign individuals and enterprises to participate in humanitarian relief programs, the supply of disaster preparedness equipment

