



**SITUATION UPDATE No. 6**  
**Effect of TS 11 (Son-Tinh) and Situation of Xe-Pien and**  
**Xenamnoy Dam**  
**ASEAN Member States under monitoring: Lao PDR, Viet Nam**  
adinet.ahacentre.org/reports/view/1225 | https://reliefweb.int/disaster/ff-2018-000118-lao  
**Monday, 30 July 2018, 20:00 hrs (UTC+7)**

No. **6**

*This situation update is provided by AHA Centre for the use of ASEAN Member States and relevant parties among ASEAN Member States. The information presented is collected from various sources including but not limited to ASEAN Member States, UN, IFRC, INGOs, & News Agencies.*

## 1. HIGHLIGHTS

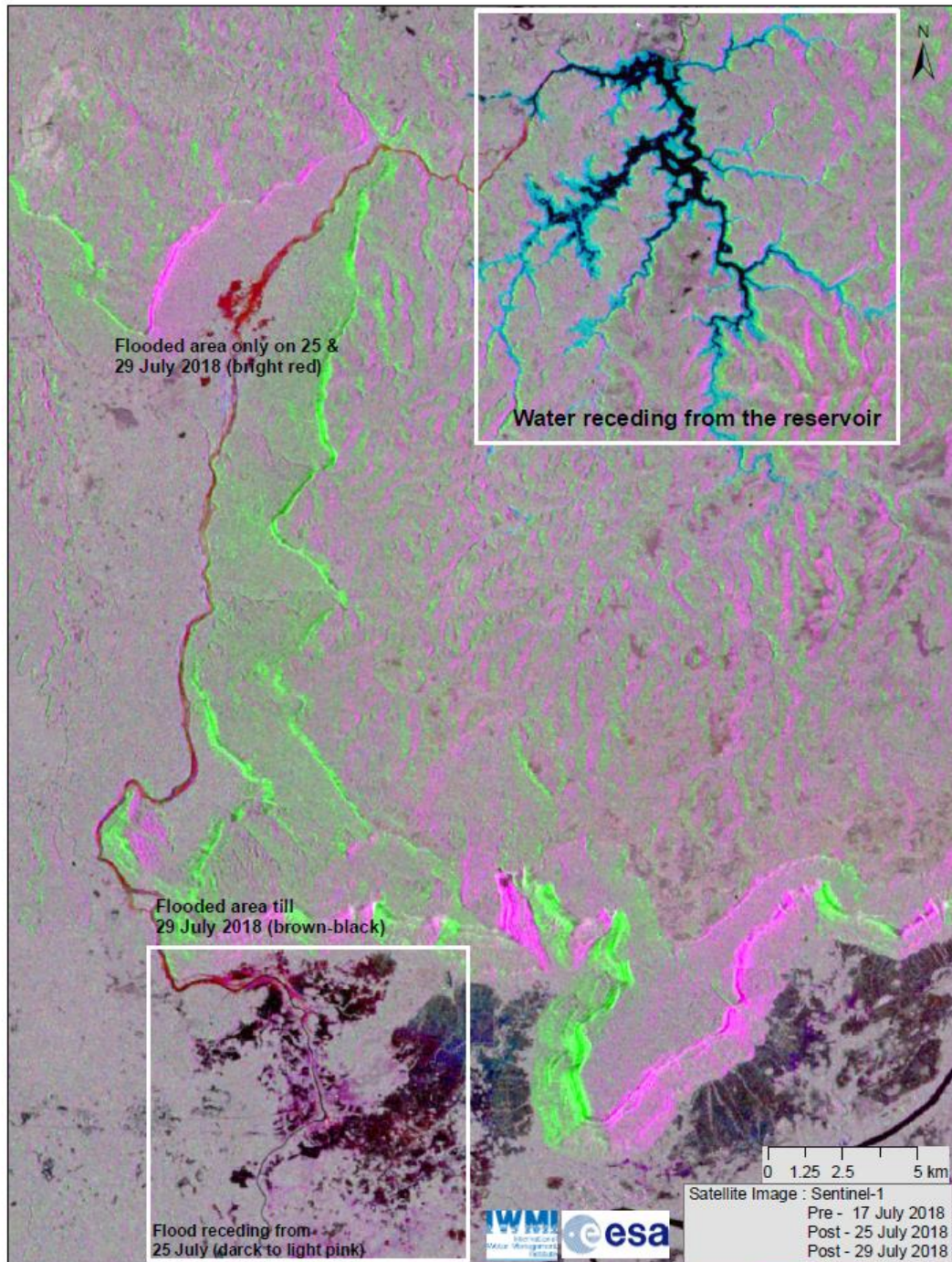
- a. TS Son-Tinh caused floods in Philippines, Viet Nam and Lao PDR, which extended to Cambodia and north-eastern of Thailand.
- b. Following the TS Son-Tinh, in Viet Nam 10 provinces were affected with a total of 59 casualties (27 dead, 7 missing and 26 injured). An estimated 5,191 houses were damaged and residents were in need of relocation while 6,949 houses suffered damages from the floods. The current estimated economic losses totalled at VND 3.6 billion (approximately USD 155,770).
- c. In Lao PDR, due to monsoon season and heavy rainfall brought by TS 11 (Son-Tinh), 349 villages in 41 districts of 10 provinces are flooded from 18-19 July 2018. Furthermore, on 24 July 2018, collateral flash-flood occurred in Attapeu Province due to water discharge from Xepien-Xenamnoy Dam.
- d. Based on latest satellite observation on Sanamxai District (29 July 2018), about 42.36 sqkm is still flooded, with 32.53 km<sup>2</sup> agricultural area. Within the flooded area, 302 buildings and 31.5 km road length submerged in water. Should wet weather persist, flood waters may not recede as quickly as expected.
- e. Second batch of ASEAN relief item has arrived in Pakse International Airport, Champasak Province, Lao PDR, together with donation from Government of Australia, on 29 July 2018. It contains 3,500 mosquito nets.
- f. A Special Briefing on the Flood Situation in Northern ASEAN Region at ASEAN Secretariat, Jakarta, Indonesia, on 30 July 2018.
- g. A second batch of In-Country Liaison Team (ICLT) from the AHA Centre will be dispatch to Vientiane on 31 July 2018 for continuing emergency response operations.

## 2. SUMMARY OF EVENTS & FORECAST

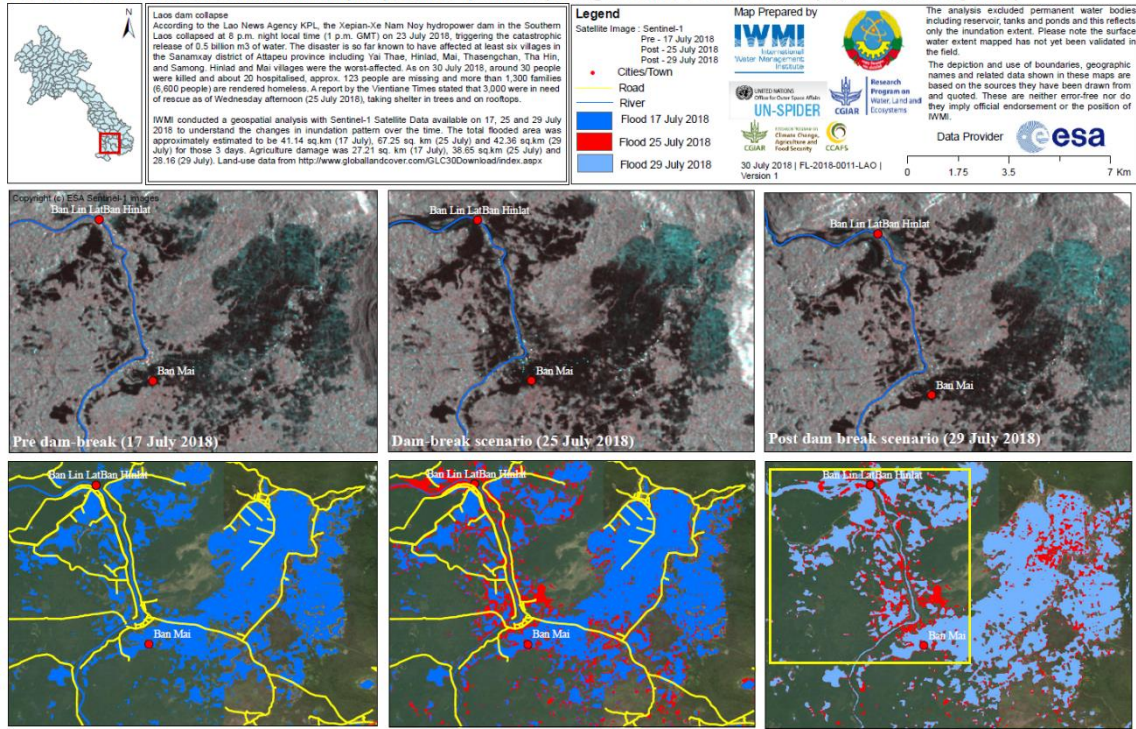
- a. Heavy rainfall brought by TS 11 (Son-Tinh) on 18-19 July 2018 has caused flooding 349 villages, 41 districts, in the following provinces: Attapeu, Savannakhet, Khammouan, Xayabuly, Bolikhamxay, Luang Prabang, Bokeo, Sekong, Xiengkhouang, Oudomxay.
- b. On 24 July 2018, collateral flash-flood occurred in Attapeu Province due to discharge from Xepien-Xenamnoy Dam, due to [compromised safety](#) of Saddle Dam D and heavy rainfall along Xe Pian River.
- c. ASEAN Specialised Meteorological Centre ([ASMC](#)) provided sub-seasonal weather outlook for the period of 16-31 July 2018. Above-average rainfall is still expected for the northern ASEAN region.



- d. General public and humanitarian partners are advised to monitor [Mekong River Commission Flash Flood Guidance for 1 hour, 3 hours and 6 hours in Lao PDR](#).
- e. As the region is experiencing effect of Southwest Monsoon marked by heavy rainfall and strong winds between early June and late September/early October. Risk of exposure to flash floods with likelihood of localised landslides increases.
- f. AHA Centre is in coordination with Disaster Analysis Nodes (DANs) within Sentinel Asia Platform following the Emergency Observation Request (EOR) made in 24 July 2018. Based on latest satellite observation, dated 29 July 2018, in Sanamxai District, about 42.36 sqkm is still flooded (a decreased of 24.89 sqkm) from the initial inundated area in 24 July 2018 ([IWMI](#)). It covers Yai Thae, Hinlad, Mai, Thasengchan, Tha Hin, and Samong. Hinlad and Mai villages.



Pre and Post dam break scenario in Attapeu province (Lao PDR) using Sentinel-1 Satellite Data (17, 25 and 29 July 2018)



Date	17 Jul	25 Jul	27 Jul	29 Jul
Flood area	41.14 sqkm	67.25 sqkm	48.78 sqkm	42.36 sqkm

**3. ASSESSMENT OF DAMAGE, IMPACT, AND HUMANITARIAN NEEDS**

- a. Among the 10 provinces affected by flooding in Lao PDR, national focus of response is on Sanamxai District, Attapeu Province, as the ‘national disaster emergency zone’. Until 30 July 2018, 123 people remains missing ([Lao News Agency](#)).
- b. Based on satellite imagery analysis ([IWM](#)), 76.7% of the inundated areas on 29 July 2018 are agricultural area (32.53 sqkm). In addition, current inundation zone submerged 302 buildings and 31.5 km roads.

Date	Flood area (sq.km)	Agriculture damage (sq.km)
17 July 2018	41.14	27.21
25 July 2018	67.25	38.65
27 July 2018	48.78	32.53
29 July 2018	42.36	28.16

- c. According to NDPC, Department of Social Welfare, and AHA Centre ICLT, the number of people in the affected area of Sanamxai District is as follows:

People directly affected : 16,256  
 Family directly affected : 3,864  
 People in 5 evacuation sites : 6,630  
 Families in 5 evacuation sites : 1,370  
 Family in-need of emergency shelter : 2,494



- d. As of 29 July 2018, the five evacuation sites are being used by 7,124 IDPs.

No	Evacuation site	Number evacuees
1	School, Evacuation site 1, Sanamxai	3,731
2	Pathoumphon District	1,407
3	Nator Village, Sanamxai	600
4	Don Bok Village, Sanamxai	1,086
5	Tindong Village, Sanamxai	300
<b>TOTAL</b>		<b>7,124</b>

Source: DSW, AHA Centre ICLT

#### 4. ACTIONS TAKEN AND RESOURCES MOBILISED

##### Response by Government of Lao PDR

- Government of Lao PDR intensifying search and rescue efforts as the second week of emergency response period begins, and start planning ahead for [a systematic and accountable rehabilitation and development plan for Sanamxay District](#).
- Government of Lao PDR maintains Wattay International Airport (VTE) in Vientiane and Pakse International Airport (PKZ) as two entry points of relief items, with priority given to VTE Airport.
- NDMC, Department of Social Welfare is consolidating the number of total number of nationally donated relief items and prioritizing the mobilisation for addressing the most urgent needs in Sanamxai District.

No	Item	Category	Total Needs	International Support	National Support (*)	Total Support	Humanitarian Gap
1	Family Kits	Shelter	3864	200	in-progress	200	undetermined
2	Tents	Shelter	3864	1971	in-progress	0	undetermined
3	Mosquito Nets	NFI	11592	3500	in-progress	3500	undetermined
4	Hygiene Kits	WASH	0	6500	in-progress	6500	undetermined
5	Blankets	NFI	16256	6200	in-progress	6200	undetermined

Source: DSW, AHA Centre ICLT

##### Response by the AHA Centre

- Following the visit of Secretary General of ASEAN and Executive Director of the AHA Centre, a Special Briefing on the Flood Situation in Northern ASEAN Region at the ASEAN Secretariat, Jakarta, Indonesia, on Monday, 30 July 2018. The meeting was chaired opened by Secretary General of ASEAN, attended by Ambassadors of ASEAN Dialogue Partners, United Nations agencies, and humanitarian partners. Executive Director of the AHA Centre provided updates on the situation, emergency response activities of AHA Centre and ASEAN collectively. The meeting also deliberate on identified gaps for responding to situation in northern ASEAN Region.
- A second batch of In-Country Liasion Team (ICLT) from the AHA Centre will be dispatch to Vientiane on 31 July 2018. The ICLT will continue to support the Emergency Operation Centre of NDMC, Department of Social Welfare of Lao PDR, particularly on information management, stock management of incoming relief items and prioritization of relief items mobilisation.



- c. Due to the urgency in response to the malaria season, a total of 3,500 mosquito nets from second batch of ASEAN relief items has arrived at Pakse International Airport, Champasak Province on 29 July at 15.50 local time. It was carried Royal Australian Air Force aircraft under the support of Government of Australia. The relief items is ready for immediate mobilization to Attapeu Province.
- d. ASEAN Emergency Response and Assessment Team (ERAT) is on standby for deployment.



### Response by ASEAN Member States

#### Cambodia

Cambodian Ministry of Foreign Affairs Secretary of State Ouch Borith presented US\$ 100,000 to Lao Ambassador to Cambodia Prasith Sayasith as relief aid from the government of Cambodia on 30 July 2018 ([Lao News Agency](#)).

### Response by ASEAN Dialogue Partners

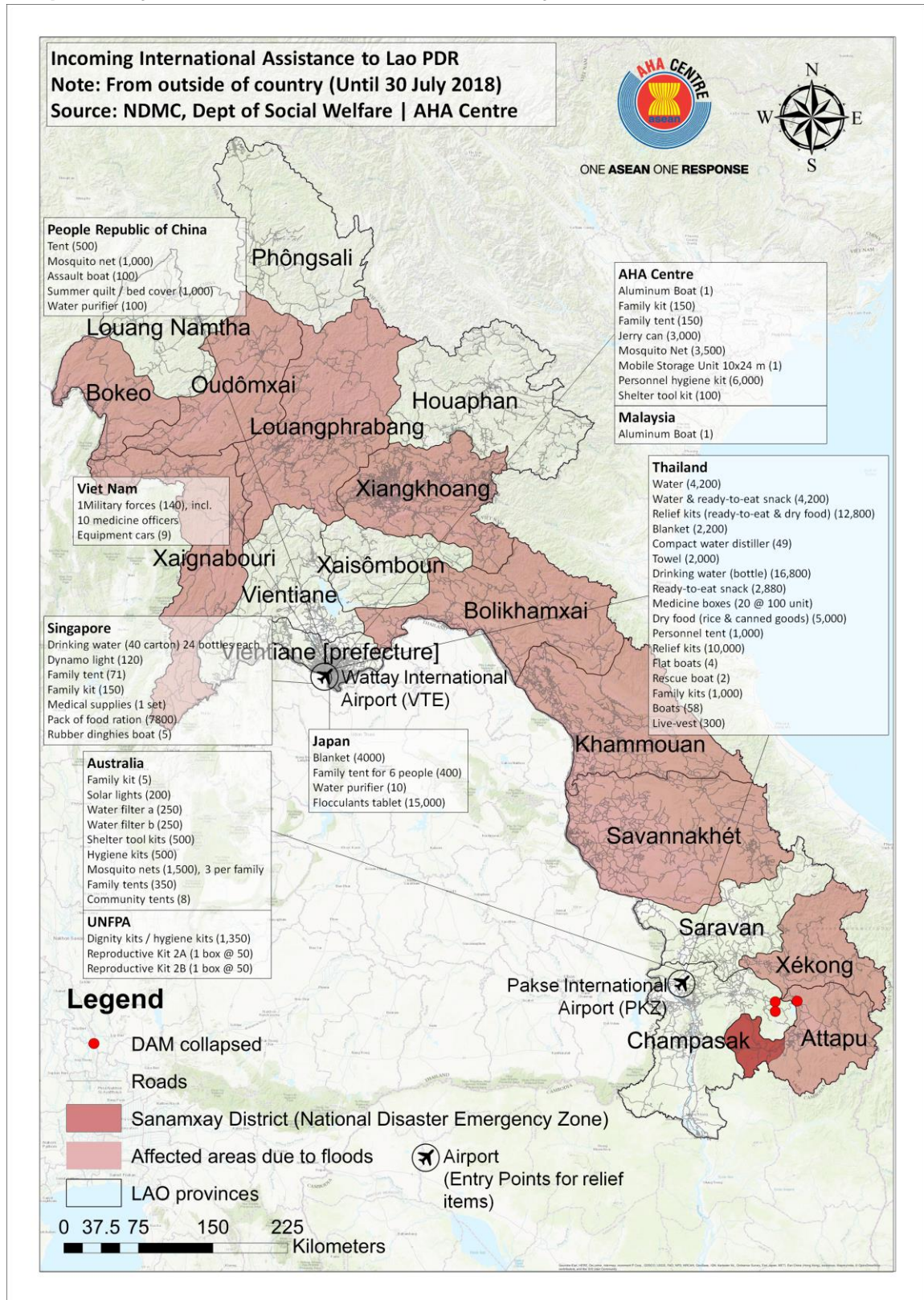
#### Republic of Korea

- [Government of Republic of Korea](#) sent relief items by a military transport aircraft on 28 July 2018 and a handover ceremony took place on 29 July 2018. Among the first batch of aid supplies were some 1,200 blankets from the ROK government as well as relief supplies donated by the private sector, including about 200 sanitation kits from the Korean Red Cross and clothes from SK Engineering & Construction Co. In total the relief items worth USD 500,000.
- [Korean Disaster Relief Team \(KDRT\)](#) dispatched to Lao PDR on 29 July 2018 and is arriving on 30 July 2018. 20 medical workers, and about 40 officials from the Ministry of Foreign Affairs, the Ministry of Health and Welfare, the Ministry of National Defense, the Korea International Cooperation Agency, the National Medical Center, and the



Korea Foundation for International Healthcare. The KDRT is planning to provide medical services to residents affected by the accident at a health center run by the provincial government in the Sanamxay district of Attapeu Province, one of the affected areas.

**Response by Humanitarian Partners until 30 July 2018**



## 5. RECOMMENDATIONS AND PLANNED ACTIONS

Recommendations to be considered by humanitarian partners

### Immediate priorities

- Continuous monitoring on inundated areas for prioritization of search and rescue efforts
- Logistical support for accelerating delivery of relief items to affected people
- Understand the extent of displacement and damaged areas
- Environmental health management
  - Water, hygiene and sanitation (WASH)
  - Reduce open defecation practices and treatment of sludge

### Short to mid -term priorities

- Protection
- Evacuation shelters
  - Overcrowding may lead to unsanitary conditions
- Food distribution and nutritional issues
- Environmental Health Management
  - infectious diseases - water-borne and vector-borne disease management
  - Sanitation and water supply restoration
  - Vector survey and disease surveillance
- Re-establishment of primary health care
  - Vaccine-preventable diseases (measles and polio programmes)

### Mid to long term priorities

- Shelter repair efforts
- Post-disaster livelihood impact assessment
- Vector control efforts
  - Education on use of ITNs (insecticide treated nets)
  - Residual spraying
  - Vector habitat source reduction
  - Disease surveillance to be coupled with vector control efforts
- Provision of primary health care and rehabilitation

### AHA Centre is planned the following action items

- a. The AHA Centre will organize a video conference with the ASEAN Member States to brief on multiple emergency responses in the region, on 31 July 2018.
- b. The AHA Centre ICLT is providing support in information management, stock tracking and management of relief items on the ground.
- c. The AHA Centre will provide further situation updates as situation progresses and more information is available.



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### **ABOUT THE AHA CENTRE**

The AHA Centre - ASEAN Coordinating Centre for Humanitarian Assistance on disaster management - is an inter-governmental organisation established by 10 ASEAN Member States – Brunei Darussalam, Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand and Viet Nam - to facilitate the cooperation and coordination among ASEAN Member States and with the United Nations and international organisations for disaster management and emergency response in the region.

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