



ONE ASEAN
ONE RESPONSE

THE COLUMN

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VOL.61 | MAY 2020



Preparation for the deployment of ASEAN relief items by land from the DELSA satellite warehouse in Chaiwat, Thailand to Cambodia
Source: DDPM Thailand

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EDITOR'S NOTE



HI READERS,

Welcome to Volume 61 of the AHA Centre's Column, as we continue to see a changing world due to the ongoing pandemic situation. For our Highlight this month we take a look at how Disaster Emergency Logistics System for ASEAN (DELSA) relief items are being utilised to respond to this unique situation, before Insight takes us through a more structured look at disaster management with the Disaster Management Cycle.

In Volume 61's Other Side, we learn more about the experience and opinions of the AHA Centre's own Information Communication Technology leader Risdianto Irawan, and then take a look into our long-term partnership with the Japan-ASEAN Integration Fund (JAIF) from the Government of Japan. We close out Volume 61 with an update from the ASEAN Emergency Response and Assessment Team (ASEAN-ERAT), who have continued their transformation activities even in the midst of ongoing instability.

We hope you are well wherever this volume may find you, and also that you remain inspired and prepared to engage with disaster management in the ASEAN region.

The Editor



EDITOR IN CHIEF
Adelina Kamal

THE EDITORIAL TEAM

MANAGING EDITOR
Ina Rachmawati

JOURNALIST
Gaynor Tanyang, Ina Rachmawati, Keith Landicho,
Lawrence Anthony Dimailig, William Shea,
Risdianto Irawan

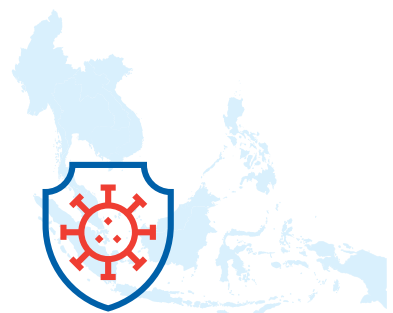
EDITOR
William Shea

CREATIVE DIRECTOR
Yohan Andreas

GRAPHIC DESIGNER
Fauzi Primassalam

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MOBILISING DELSA RELIEF ITEMS FOR COVID-19 RESPONSE



AS THE PANDEMIC CONTINUES TO CHALLENGE THE REGION

DELSA HAS BEEN UTILISED

TO SUPPORT THE ONGOING COVID-19 RESPONSE OF THE ASEAN COUNTRIES

The COVID-19 pandemic continues to challenge ASEAN Member States, and the disaster management sector re-positions itself to determine where it can support ASEAN communities through the region's current response and support mechanisms. The Governing Board of the AHA Centre held an online Special Meeting on May 15th, 2020, working through a range of options and ideas with AHA Centre management for a regional response and support to the pandemic situation.

The decision of the Special Meeting provides a number of specific Disaster Emergency Logistics System for ASEAN (DELSA) relief support items that can be accessed by ASEAN Member States (AMS) during the pandemic, to be requested by National Disaster Management Organisations (NDMOs) as an interim measure to fill operational gaps in their responses. The relief items made available as a result of this decision are Mobile Storage Units (MSU), Hygiene Kits and Prefabricated Offices (with AC) – that are kept in the DELSA stockpile and ready for deployment. Since this announcement, the support has been utilised by NDMOs from the Philippines, Malaysia and Cambodia.

Written by : Ina Rachmawati | Photo Credit : AHA Centre

Meanwhile, the AHA Centre – in collaboration with the Office of Civil Defence of the Philippines – has been providing support to the ongoing operations responding to the impact of COVID-19 in the Philippines. Efforts were undertaken from March until May, with teams working out of the new DELSA satellite warehouse at Camp General Aguinaldo, Quezon City. As part of the partnership, the AHA Centre has provided the warehouse space, as well as equipment such as forklifts to support the overall logistical operations. The AHA Centre also provided support with the delivery of a Mobile Storage Unit, that was procured with support from another AHA Centre partner – Direct Relief. The Mobile Storage Unit is currently located at the Supply Unit - Logistics Command, at Camp General Aguinaldo, and is being utilised by the Philippine's Department of Health to store personal protective equipment and medical supplies.

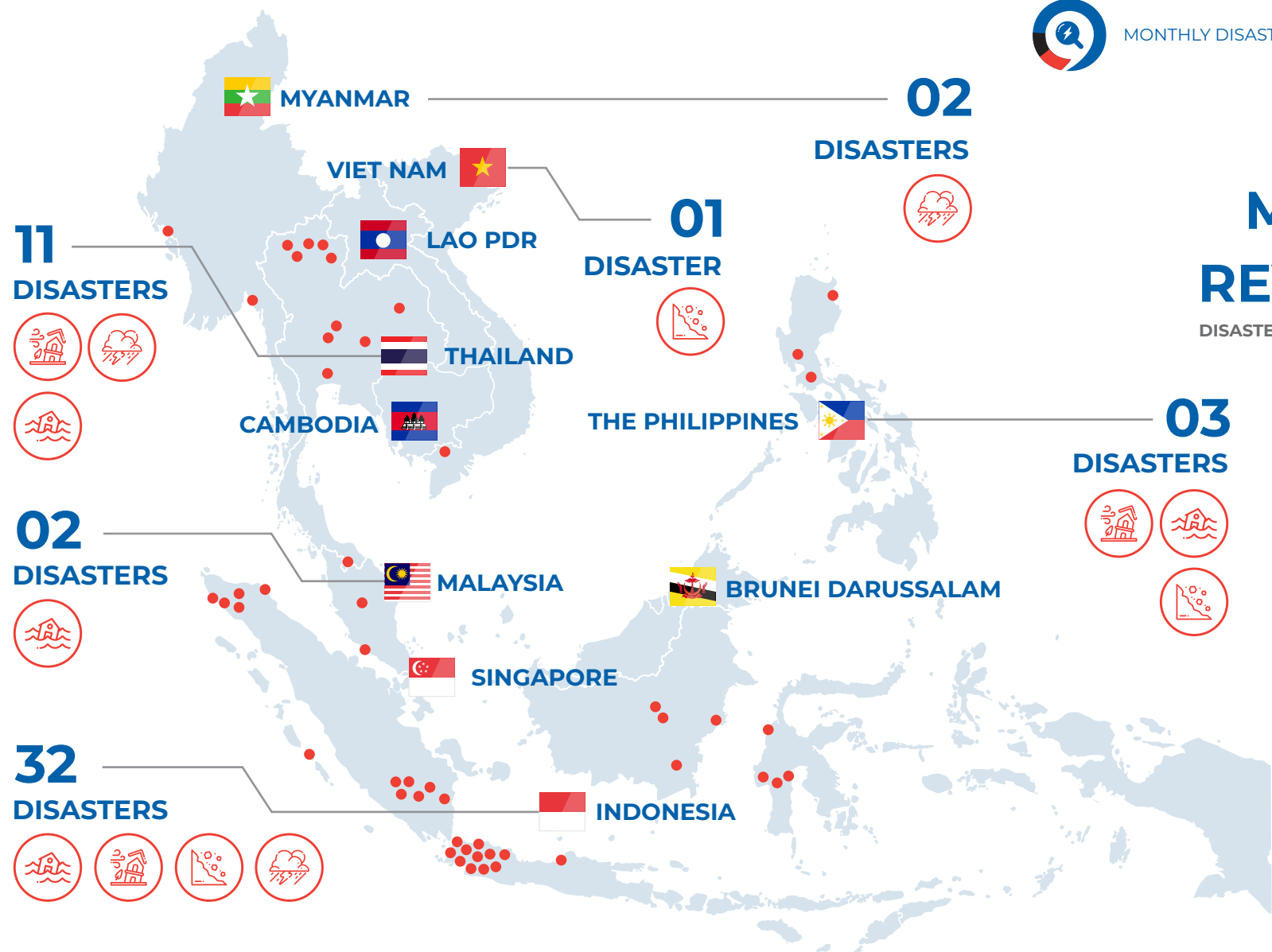
The AHA Centre has also released 5,000 personal hygiene kits to the Philippines, procured with the support from Japan-ASEAN Integration Fund (JAIF). One thousand of these hygiene kits have been mobilised to Legazpi City in Alabay, and 4,000 hygiene kits to Tacloban City in Leyte, to be distributed to different local government quarantine sites to support their COVID-19 response. On May 29 2020, the AHA Centre worked to support Malaysia's NDMO (NADMA - *Agensi Pengurusan Bencana Negara*), providing one Mobile Storage Unit and one prefabricated office to support ongoing response work. The items were mobilised from the DELSA regional stockpile in Subang, Malaysia, and have been sent to Selangor, Malaysia, to support the coordination and management operations of a field hospital in the region. These relief items were also provided through the Japan-ASEAN Integration Fund (JAIF). As of early June, 2,900 Hygiene Kits and another Mobile Storage Unit were also set to be released from a DELSA satellite warehouse to support the pandemic response in Cambodia.

NADMA Malaysia receiving Mobile Storage Unit and prefabricated office from DELSA regional stockpile in Subang, Malaysia.

WITH SUPPORT FROM



- 1 The Mobile Storage Unit is currently located at the Supply Unit - Logistics Command, at Camp General Aguinaldo
- 2 OCD Philippines loading the relief items from the DELSA satellite warehouse in Manila, for further distribution to affected communities
- 3-5 Preparation for the deployment of ASEAN relief items by land from the DELSA satellite warehouse in Chainat, Thailand to Cambodia (Source: DDPM Thailand)



MONTHLY DISASTER REVIEW AND OUTLOOK

DISASTER MONITORING & ANALYSIS (DMA) UNIT, AHA CENTRE
MAY 2020

GENERAL REVIEW OF MAY 2020

A total of 51 disaster events were recorded for the month of May 2020, which was an increase of 82.14% from April 2020. This also formed a three-fold increase in disaster occurrences compared to the previous five-year average, with the highest amount of recorded events for May 2020 being flooding events (56.86%). This significant increase in the number of disaster occurrences in the region was also reflected by an increase in the number of persons affected and displaced persons (both almost 2 times higher), as well as damaged houses (over 90,000 more reports). The observed increase in the impact of disaster events is largely attributed to Tropical Cyclone (TC) VONGFONG that affected the Philippines, causing a majority of the significant increase to damaged houses. According to the Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA), TC VONGFONG brought more than 300 millimeters of cumulative rainfall to areas in its track, with an overall strength equivalent to Category 3 in the Saffir-Simpson Scale. Notably, casualties and number of missing people were low – with six deaths and one missing person. The number of injuries, however, significantly increased compared to the average, with a majority of such injuries due to TC VONGFONG.

Geophysically, a total of 13 significant earthquakes (M≥5.0) were reported in the region for May 2020. Volcanic activity was observed for Ibu and Sangeang Api Volcanoes in Indonesia during Week 19, as well as Dukono and Semeru Volcanoes during the last two weeks of the month. Despite increased volcanic activity, these volcanoes remained on Alert Level II, while three volcanoes (Agung, Karangetang, and Sinabung) remain on Alert Level III.

The figures are an indication of the improvement in the capacities of ASEAN Member States to monitor and report disaster events, with such improvements potentially influencing the increase in reported occurrences. There is also an indication of the effect of climate change in the region, which according to the Intergovernmental Panel on Climate Change's (IPCC) is linked to more frequent and severe extreme weather events - floods and tropical cyclones. The outcomes also highlight the importance of early warning information and systems, as disaster impacts may have been significantly greater if not for the pre-emptive evacuation, information dissemination, and advisory issuance undertaken during TC VONGFONG in the Philippines.



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REPORTED DISASTERS

THROUGHOUT THE ASEAN REGION IN MAY 2020

REGIONAL TALLY	MAY 2020	MAY IN FIVE-YEAR AVERAGE
• Number of recorded significant disasters	51	12
• Number of affected people	866,977	507,143
• Number of internally displaced people	9,295	5,105
• Number of damaged houses	93,460	1,051
• Number of casualties	6	61
• Number of injured people	191	8
• Number of missing people	1	160

(covering the period of Weeks 19-22 in 2020 and 2015-2019 average)

DISASTER COMPARISON IN NUMBERS

WHITE BAR | MAY 2020 | RED BAR | MAY IN FIVE-YEAR AVERAGE

Flood	29	6	Indonesia	32	7
Landslide	5	1	Malaysia	2	1
Storm	8	2	Myanmar	2	1
Volcano	-	1	The Philippines	3	1
Wind	9	2	Thailand	11	1
Total	51	12	Viet Nam	1	1
			Total	51	12

(covering the period of Weeks 19-22 in 2020 and 2015-2019 average)

SEASONAL OUTLOOK

Written by : Keith Landicho & LA Dimailig

According to the seasonal forecast of the ASEAN Specialised Meteorological Centre (ASMC) for June-July-August 2020, Southwest Monsoon conditions prevailed over the ASEAN region since the latter part of May. This is characterised by increased rain shower activities in the northern ASEAN region due to the Southwest monsoon rain band (elongated cloud patterns that bring rain). Typically drier conditions (compared to the rest of the year) can also be expected for the southern ASEAN region during the Southwest Monsoon season.

For June 2020, increased shower activities over the Mekong sub-region and subdued hotspot activities are expected. For the southern ASEAN region however, in contrast with drier Southwest Monsoon conditions, the equatorial regions should expect above-normal precipitation with isolated and generally subdued hotspot activities.

For June to August 2020, the ASMC forecasts an increased chance of above-average rainfall for most parts of the region near or on the equator. On average, above-average temperatures are also expected to persist over the ASEAN region during the next three months. In this particular season, the southern ASEAN region traditionally expects a dry season, and with it a gradual increase in hotspot activities, particularly in fire-prone areas such as Sumatra and Kalimantan, Indonesia. Extended periods of this dry weather may lead to escalation of hotspot activities, and lead to transboundary haze pollution in the region.

DISCLAIMER

Disclaimer: AHA Centre's estimation is based on data and information shared by National Disaster Management Organisations (NDMOs) and other relevant agencies from ASEAN Member States, international organisations, and news agencies. Further information on each recorded significant disaster, description, and detail of data and information are available at: <http://adinet.ahacentre.org/reports>.

Data Sources : ASEAN Disaster Information Network, ASEAN Specialised Meteorological Centre

DISASTER MANAGEMENT CYCLE

PREVENTION

Prevention aims to directly avoid the onset of disaster and therefore its adverse impacts. It focuses on actions taken to avoid disaster situations, including examples such as land regulations to stop degradation, or development of river levees to prevent floods. The outright avoidance of adverse impacts of hazards and related disasters.



MITIGATION

Mitigation aims to limit or lessen the impact of potential disasters, usually when initial prevention methods have not been undertaken or were not successful. An example is the construction of earthquake resistant buildings, as there is little to be done about preventing earthquakes, however such construction can mitigate the impact.



PREPAREDNESS

Preparedness covers the knowledge and skills held by all actors to effectively anticipate, respond to, and recover from the impacts of disaster. This may include government processes to respond directly, community understanding of how to keep safe when disaster strikes, or organisations planning what are priorities for people during the aftermath of a disaster event.

RESPONSE

Response is formed by the direct emergency assistance after a disaster strikes, and is usually focused on the speedy saving of lives, and ensuring basic needs of affected communities are provided. There are many types of activities and focus areas in disaster response, including (but not limited to) assessments, food and non-food item provision, water access, sanitation and hygiene service delivery, and other key health and shelter activities.

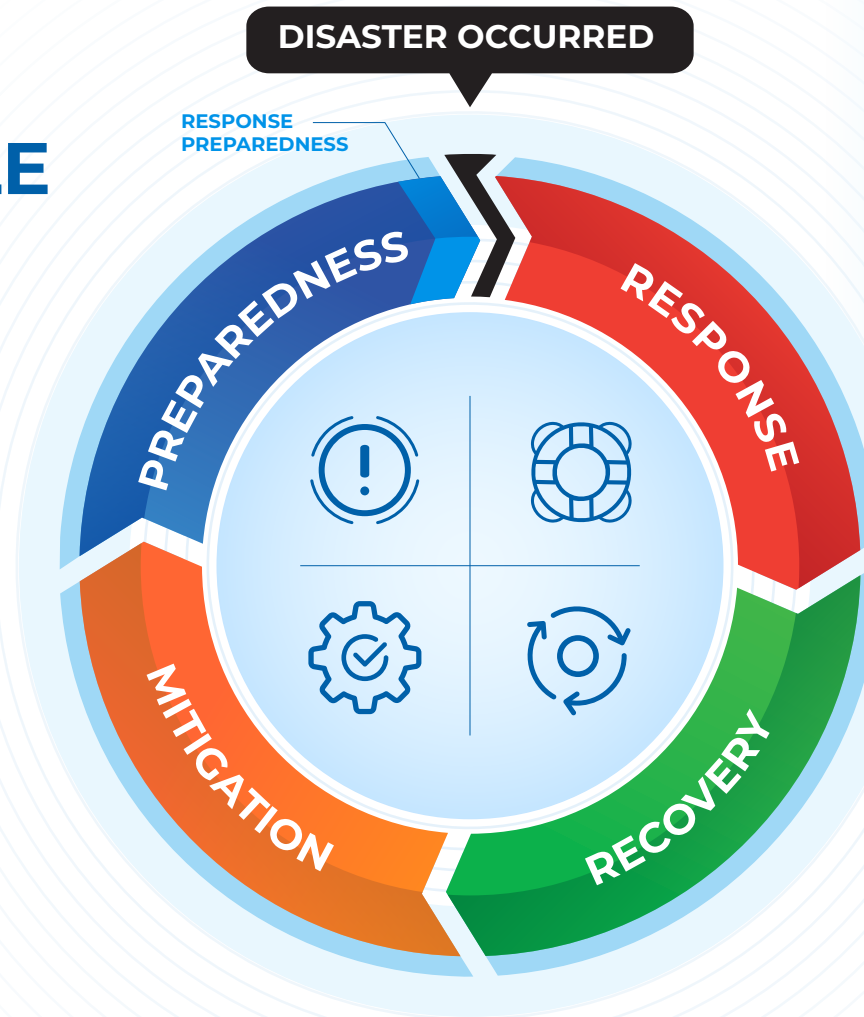
Written by: William Shea

REHABILITATION

Rehabilitation takes place in the early stages after the initial disaster response, with the aim to establish key services required for a functioning community in the short-term. It may include the development of camps for those who have lost their homes, or ensuring education can continue for children around the disaster site.

RECONSTRUCTION

This phase aims to re-develop the infrastructure and services required for long-term recovery, after the initial rehabilitation has taken place. It includes permanent housing development, full restoration of services, and other requirements to return a community to its pre-disaster state.



Coordinating regional efforts on disaster management is the primary function of the AHA Centre, which requires strong processes and approaches to ensure successful coordination across a range of levels and with numerous parties. One of the key approaches for undertaking disaster management work – whether for the AHA Centre or all other disaster actors – is through utilisation of the Disaster Management Cycle, and its expansion and uptake across the ASEAN region.

The Disaster Management Cycle (DMC) itself sometimes varies in specifics, but generally follows the same key phases in a circular motion. It is important to recognise that this is not a 'linear' approach, but instead a cycle, with many elements of its final phases 'feeding back' into the early phases of the DMC.

RECOVERY

Not only does the recovery phase include ongoing restoration of pre-disaster situation, but also involves improving and increasing infrastructure and services for affected communities. A significant part of this phase – and one that 'closes the DMC loop' – is the integration of prevention, mitigation and preparedness activities to ensure a more resilient and safe community in the face of future disasters.





JAIIF SUPPORT FOR ASEAN DISASTER MANAGEMENT

In partnership with the ASEAN Committee on Disaster Management (ACDM), consistent support from the Japan-ASEAN Integration Fund (JAIF) on disaster management in ASEAN has been reflected through flagship programmes implemented by the AHA Centre. Since the AHA Centre's establishment in 2011, based on a shared interest in disaster management, the Government of Japan through JAIF has remained one of the biggest supporters of the regional coordinating agency on disaster management and emergency response, and by extension the ASEAN region that it serves.



Japan-ASEAN Cooperation

Officially established in early 2006, JAIF is a specific funding mechanism developed by the Government of Japan to support the continuous development of the ASEAN Community. Since its establishment JAIF has strengthened the relationship between Japan and the ASEAN region across a range of areas, contributing over USD 650 million to development efforts. Guided by the ASEAN Vision 2025: *Forging Ahead Together* blueprint, JAIF has funded and supported multiple projects related to disaster management, counter-terrorism, economic integration, youth exchanges, and cultural understanding.

The Government of Japan, through JAIF, was one of the first partners to support the implementation of the region's vision to establish the AHA Centre. JAIF's partnership with the AHA Centre is particularly important as it has continued to support a number of multi-year programmes that have significant impact on disaster management capacity development and coordination systems in the region. Since its establishment in November 2011, the AHA Centre has benefitted from over USD 40 million for a range of projects. This sees the Government of Japan – through JAIF – form the largest contributor to the AHA Centre's programmes overall. Due to such success in the implementation of the range of projects and programmes, the trust and the deepening of knowledge exchange between the Government of Japan and the AHA Centre has been key to launching ASEAN towards its future goal as a global leader in disaster management.



Written by : Gaynor Tanyang, Ina Rachmawati and JAIF Management Team | Photo : AHA Centre

In 2019, the ASEAN launched satellite warehouses in the Philippines and Thailand with support from JAIF through the Disaster Emergency Logistics System for ASEAN (DELSA) Phase II Project. The two satellite warehouses, in addition to the DELSA Regional Stockpile located in Malaysia, are being utilised for all disaster response efforts – including the current pandemic – across the ASEAN region. The current total funding for the DELSA Phase II Project from JAIF is USD 7.2 million, and is an extension of the original JAIF-funded DELSA programmes implemented previously.

In 2018, JAIF continued its support of the ACE Programme (2018-2021) as a standalone project after the successful implementation of the original four batches, initially funded under the first phase of the DELSA Project (2012-2017). By the end of 2021, the ACE Programme will have produced 122 graduates who are ready to tackle the challenges of increasing disaster and climate risks in the region, and to assist ASEAN in maximising regional disaster response coordination mechanisms.

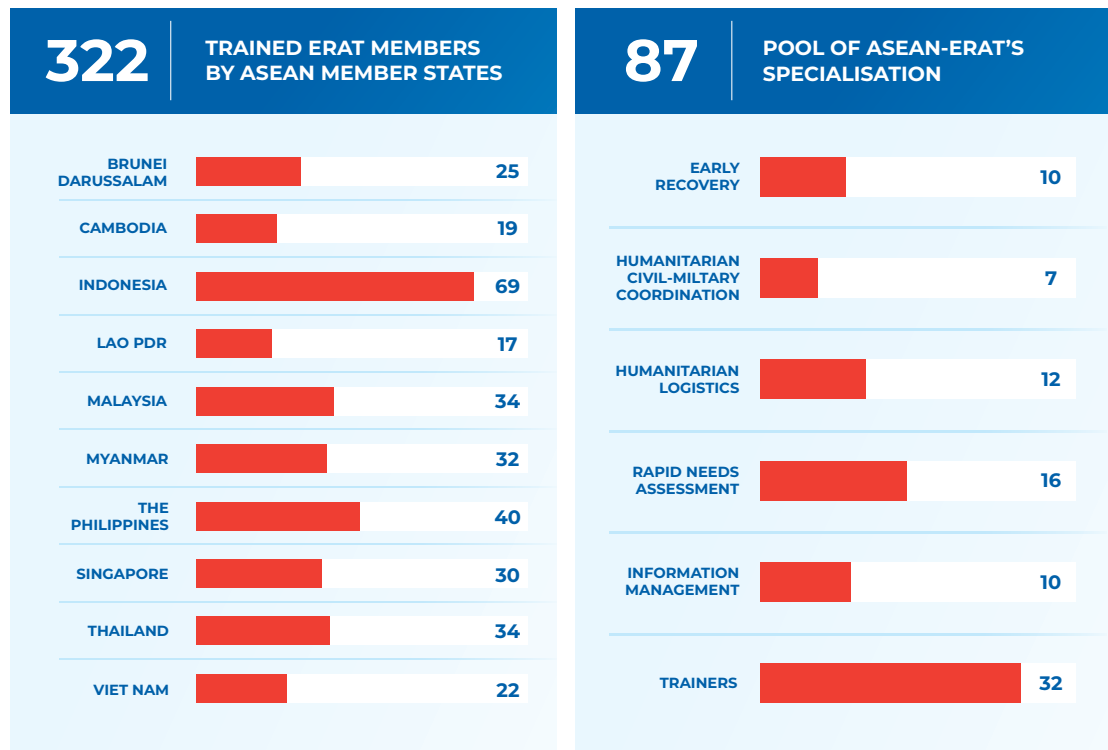
The ICT Phase IV Project, the ASEAN Emergency Response and Assessment Team (ASEAN-ERAT) Transformation Project, and Enhancing the Readiness of Myanmar Government Local Capacity in Providing Humanitarian Assistance to Support the Repatriation Process, are other examples of the AHA Centre's efforts supported by JAIF. Alongside these, JAIF also supports projects such as the Disaster Risk Reduction by Integrating Climate Change Projection into Flood and Landslide Risk Assessment, and Development of the AADMER Work Programme 2021-2025, which are currently being implemented across the ASEAN region.





CONTINUING REGIONAL EFFORTS ON BUILDING ASEAN-ERAT CAPACITY FOR RESPONSE

The AHA Centre has progressed significantly towards achieving the vision of its ASEAN Emergency Response and Assessment Team (ASEAN-ERAT) Transformation Plan, that was developed back in 2015. Aiming to strengthen ASEAN's preparedness and response capacity – to support collective, fast, and reliable disaster responses in accordance with humanitarian standards – the organisation is moving towards the finalisation of the ASEAN-ERAT Transformation Plan's initial 5-year period.



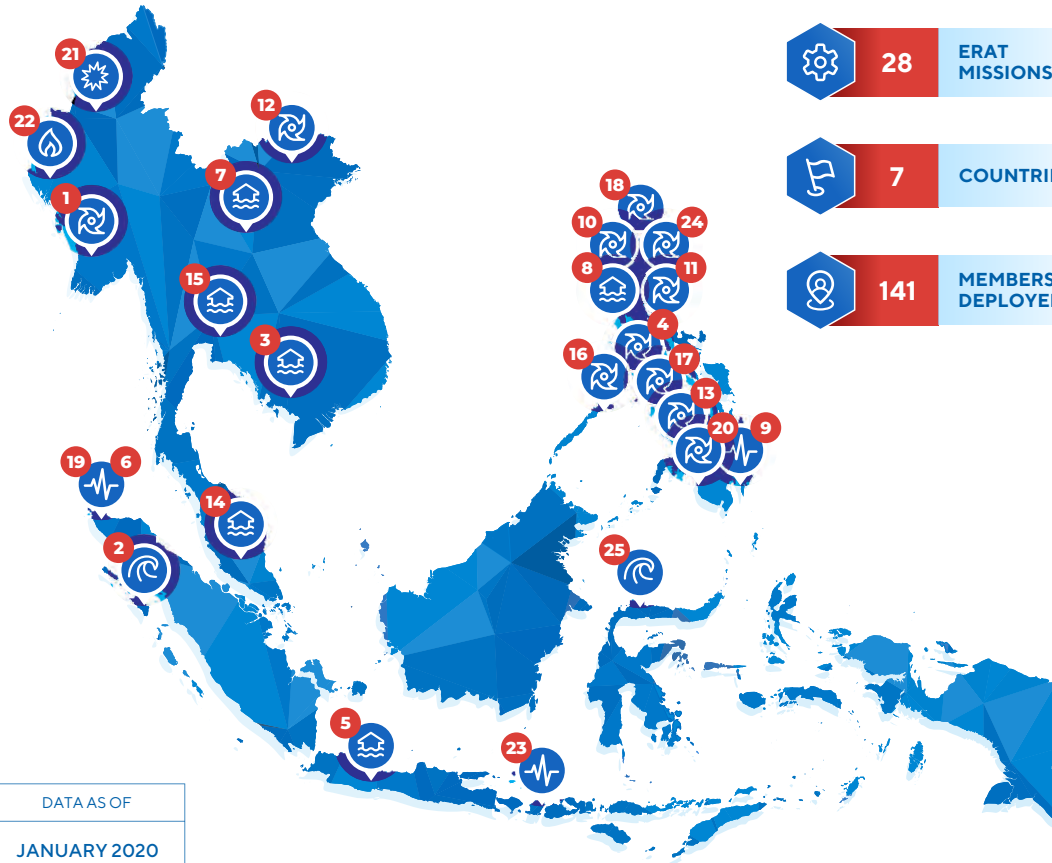
Participants attending the ASEAN-ERAT Level 2 pilot course on humanitarian civil-military coordination

Written by : ASEAN-ERAT Project Management Team | Photo : AHA Centre

Contributing to the overall realisation of the Transformation Plan, on 31 March 2020 the AHA Centre, supported by the Government of Japan through the Japan ASEAN Integration Fund (JAIF), successfully concluded a 4-year project titled "ASEAN-ERAT Transformation Project". Based on project evaluation results, the AHA Centre made significant contributions to the outcomes of the Transformation Plan, including:

- ★ Establishing and conducting regular ASEAN-ERAT Advisory Group meetings and ASEAN-ERAT In-country Networks with 10 ASEAN Member States (AMS)
- ★ Developing an ASEAN-ERAT publication as part of the AHA Centre's knowledge series, and circulating ASEAN-ERAT activities through the AHA Centre's monthly bulletin
- ★ Updating ASEAN-ERAT Guidelines
- ★ Maintaining the Emergency Alerts system
- ★ Developing ASEAN-ERAT Manager Web and Mobile Applications
- ★ Establishing online course platform used to reinforce the delivery of face-to-face ASEAN-ERAT courses
- ★ Developing advance course curriculum and piloting the trainings; i.e. Rapid Needs Assessment, Information Management, Humanitarian Logistics, Humanitarian Civil-Military Coordination, and Early Recovery; that have increased the capacity of ASEAN-ERAT to provide technical assistance to AMS, including support during the early recovery phase
- ★ Conducting Training of Trainers (TOT) that have enabled the AHA Centre to gain support from graduates to conduct ASEAN-ERAT courses
- ★ Successfully establishing an operational support group with partners from Map Action, Télécoms Sans Frontières, and DHL, that has supported ASEAN-ERAT large-scale operations, such as during the 7.4M Earthquake in Palu, Indonesia
- ★ Successfully training 322 ASEAN-ERAT members from 10 AMS
- ★ Deploying trained ASEAN-ERAT members to actual emergencies and simulation exercises

THE DEPLOYMENT OF ASEAN ERAT



DATA AS OF
JANUARY 2020



With an array of natural disasters experienced over the last 12 years, the trained ASEAN-ERAT members were deployed to many disaster responses. Of the 28 ASEAN-ERAT deployments in the past 12 years, one of the most interesting experiences was deployment to the 2018 Central Sulawesi Earthquake and Tsunami, within which the AHA Centre deployed 28 members to reinforce the Indonesian NDMO with many support mechanisms including coordination and the facilitation of incoming relief assistance. Another unique mission was the ASEAN-ERAT response to human-induced disaster in Rakhine State, Myanmar. This mission was executed upon request from the Government of Myanmar, entrusting ASEAN-ERAT to conduct a preliminary needs assessment to identify areas of cooperation, that in turn could support the repatriation of displaced persons to Rakhine State.



Exercising inter-operability of ASEAN-ERAT and UNDAC during Central Sulawesi earthquake and tsunami in 2018, signifying better coordination and collaboration between the two.



Acknowledging tangible support from ASEAN-ERAT members, the AHA Centre aims to continue the ASEAN-ERAT capacity building programme supported by the JAIF, which will be undertaken through ASEAN-ERAT Phase 2 project entitled “Strengthening ASEAN’s Collective Response Capacity through the Enhancement of the Capacity Building of the Regional ASEAN-ERAT”. This will be further strengthened through support from the European Union as part of the “EU Support to AHA Centre” (EU SAHA) project. It will ensure that the AHA Centre can equip more ERAT members for disaster response by continuing the capacity building efforts, particularly on the roll-out of the advanced courses that were piloted in 2018 – 2019. Considering the situation of COVID-19 pandemic, all the advanced courses planned in 2020 are moved to 2021.



RISDIANTO IRAWAN

The AHA Centre's own Risdianto Irawan – or Risdi as we know him – was first drawn to the disaster management field after feeling the huge earthquake that led to the 2004 tsunami, as he undertook his chemical engineering studies in Medan, Indonesia. Risdi recalls the significant increases in casualties being announced, and as numbers ticked over into 100,000 souls he decided to determine his path towards helping communities affected by disaster.



It was in these early years that Risdi realised the increasing need for information technology and computer programming within disaster management, as he took on various roles within IT and database work, finding himself working on such tasks in Aceh during 2007 as the region continued with its reconstruction and recovery phases. After numerous roles, Risdi moved to Jakarta and joined Mercy Corps, finding himself involved with the Indonesian Response Team and engaged in more direct disaster response. "I found myself working up into management and coordination during this time" he remembers, "then also having the opportunity to study courses in Africa, Singapore, and also the Emerging Leadership Programme through Portland University's School of Business".

As Risdi's work became more focused towards IT leadership and coordination, he made a move to the AHA Centre within a year of finishing studies at Portland University. He highlights the significant difference between his early roles and more recently, in particular the direct field engagement that has changed over time. "With organisations like Mercy Corps we had direct engagement in disaster, as we were in the field and responding" Risdi says. "As the AHA Centre works at the regional level and coordinates response, we find ourselves more often within National Disaster Management Organisations, helping and supporting their work in responding directly to communities." Risdi notes the difference in preparation and engagement – in particular the contrast between stress management in fieldwork as compared to diplomacy approaches required at a coordination level.



THE SIGNIFICANT ROLE OF ICT IN DISASTER PREVENTION, MITIGATION, RESPONSE AND RECOVERY

Written by: William Shea | Photo: AHA Centre

Risdi has, however, continued to be challenged and engaged in response as part of his work with the AHA Centre. As an ASEAN Emergency Response and Assessment Team (ASEAN-ERAT) member, Risdi has been deployed to disasters to support teams during disasters such as the 2018 Sulawesi earthquake and tsunami, the 2020 Jakarta floods, and also to engage with the International Search and Rescue Advisory Group (INSARAG) 2019 exercise in Thailand. While he understands his role has changed, Risdi does believe that "while my contribution may be small working on Information Communication Technology (ICT) from the office, it still supports and has a great impact to those in the field".

Throughout his experience, Risdi has witnessed the growing importance of ICT for disaster management, and particularly as part of the ASEAN regional context. He highlights its importance, both through simple yet integral instances such as telecommunication access during response, alongside the utilisation of Big Data in detecting, warning and information dissemination systems. Part of Risdi's current work is determining how to further support the ASEAN-ERAT responders with modern and resilient telecommunications, and this is an area that forms a key focus for the AHA Centre's recently published ICT Roadmap. Risdi also highlights the ongoing identification of Big Data's extended role in disaster management, through its utilisation across disaster analysis, disaster prediction, and then into prescription. Risdi finishes by stating that this type of ICT work is not only for the AHA Centre and the ERAT programme, but that "I also hope this work can be utilised and have a positive impact in the future for other humanitarian actors, as well as ASEAN communities themselves".

ONE ASEAN ONE RESPONSE



THE AHA CENTRE OFFICE

Graha BNPB, 13th Floor
Jl. Pramuka Kav. 38
Jakarta - 13120
INDONESIA



www.ahacentre.org



comm@ahacentre.org



AHA Centre



@ahacentre



@ahacentre

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ABOUT ASEAN

The Association of Southeast Asian Nations (ASEAN) was established on 8 August 1967. The Member States of the Association are Brunei Darussalam, Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand and Viet Nam. The ASEAN Secretariat is based in Jakarta, Indonesia. As set out in the ASEAN Declaration, the aims and purposes of ASEAN among others are to accelerate the economic growth, social progress, cultural development, to promote regional peace and stability as well as to improve active collaboration and cooperation.

ABOUT THE AHA CENTRE

The AHA Centre is an inter-governmental organisation established on 17 November 2011, through the signing of the Agreement on the Establishment of the AHA Centre by ASEAN Foreign Ministers, witnessed by the ASEAN Heads of State / Government from 10 ASEAN Member States: Brunei Darussalam, Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand and Viet Nam. The Centre was set-up 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 ASEAN region.

ABOUT AADMER

The ASEAN Agreement on Disaster Management and Emergency Response (AADMER) is a legally-binding regional policy framework for cooperation, coordination, technical assistance and resource mobilisation in all aspects of disaster management in the 10 ASEAN Member States. The objective of AADMER is to provide an effective mechanism to achieve substantial reduction of disaster losses in lives and in social, economic and environmental assets, and to jointly respond to emergencies through concerted national efforts.