



# 0403 Hualien Earthquake

**2024.04.18**

\*Sources of relevant contents and graphics for this briefing from:

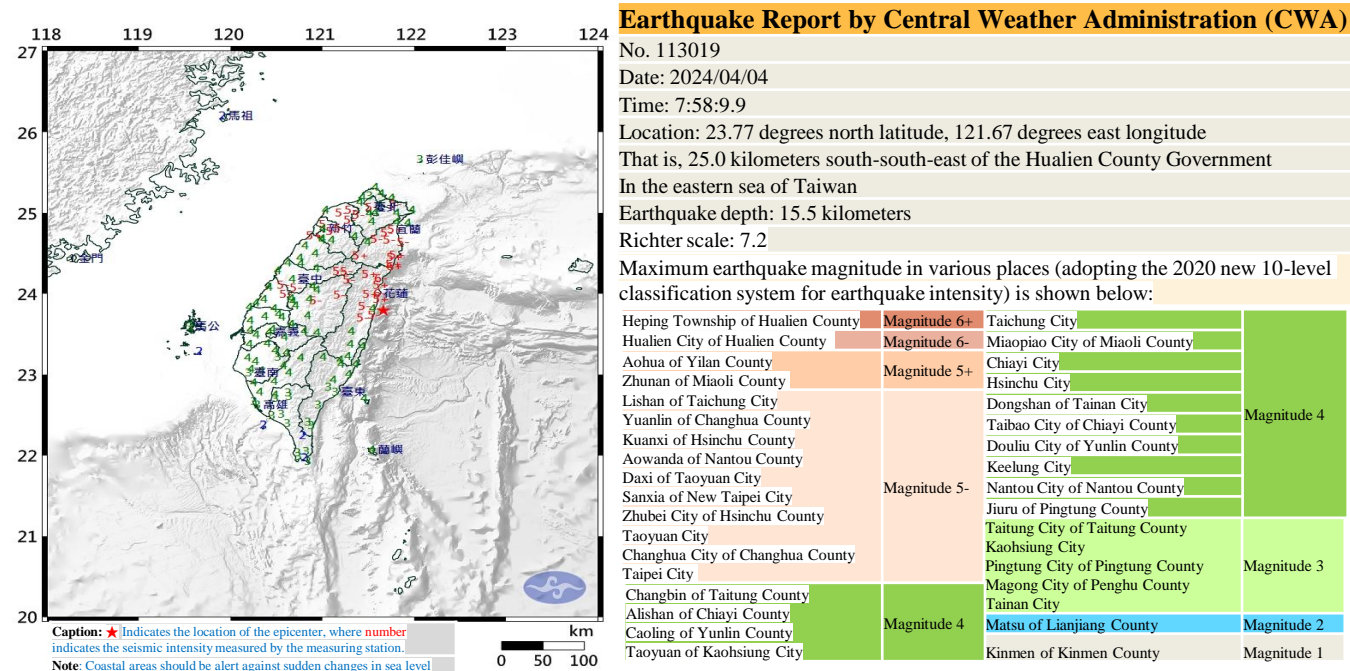
Central Emergency Operations Center (CEOC), National Science and Technology Center for Disaster Reduction (NCDR), Central Weather Administration (CWA), Ministry of Transportation and Communications (MOTC), Tzu Chi Foundation (TCF), etc.

# Briefing Outline

- 1 **Overview of the Earthquake**
- 2 **Initial Response Measures**
- 3 **Disaster Situation**
- 4 **Important Response Measures**

# 1. Overview of the Earthquake

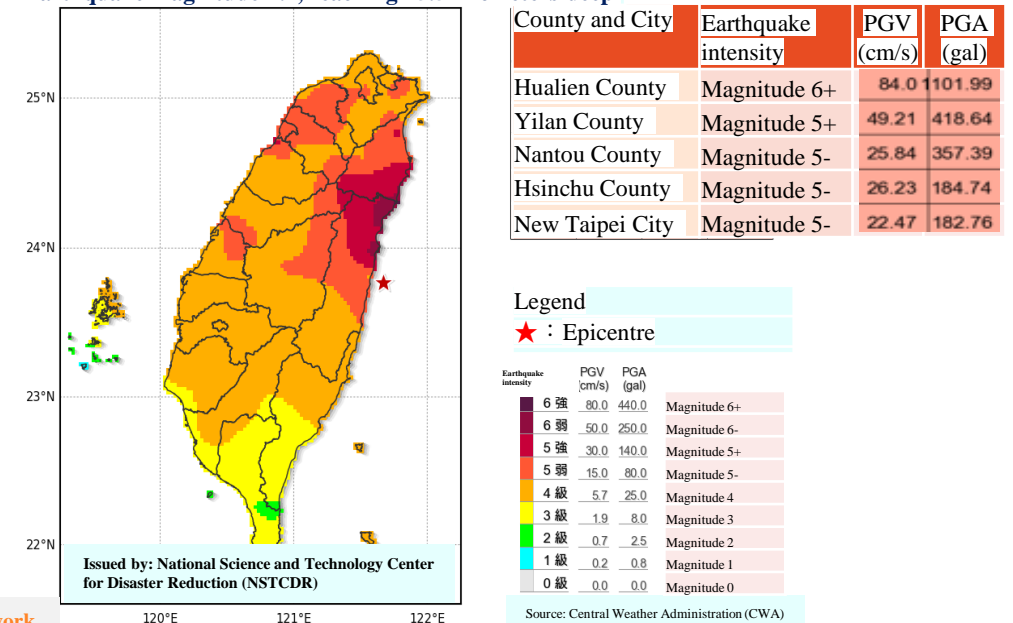
At 7:58 on 2024/04/03, an earthquake measuring 7.2 on the Richter scale occurred 25 kilometers south-south east of the Hualien County Government, which reached a depth of 15.5 kilometers. The earthquake was seen in various parts of Taiwan with respective maximum magnitude as follows: Magnitude 6 in Hualien County, 5 in Yilan County, 5 in Miaoli County, 5 in Taichung City, 5 in Changhua County, 5 in Hsinchu County, 5 in Taoyuan City, 5 in New Taipei City, 5 in Hsinchu County, 5 in Changhua County, and 5 in Taipei City.



This report is the result of real-time earthquake data from the Central Weather Administration (CWA)'s Earthquake Observation Network.

At 7:58:00 AM on 2024/04/03

Earthquake magnitude 7.2, reaching 15.5 kilometers deep

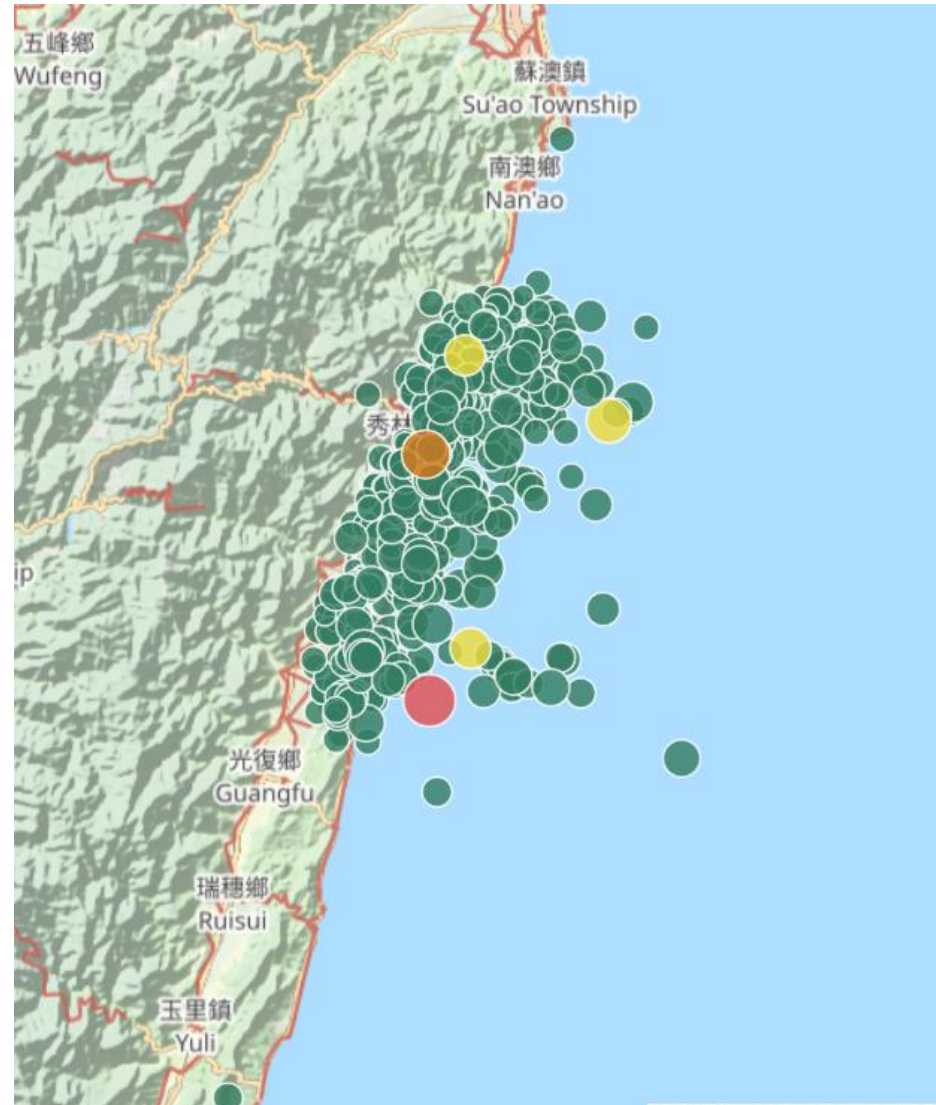


# 1. Overview of the Earthquake - Statistics of felt aftershocks

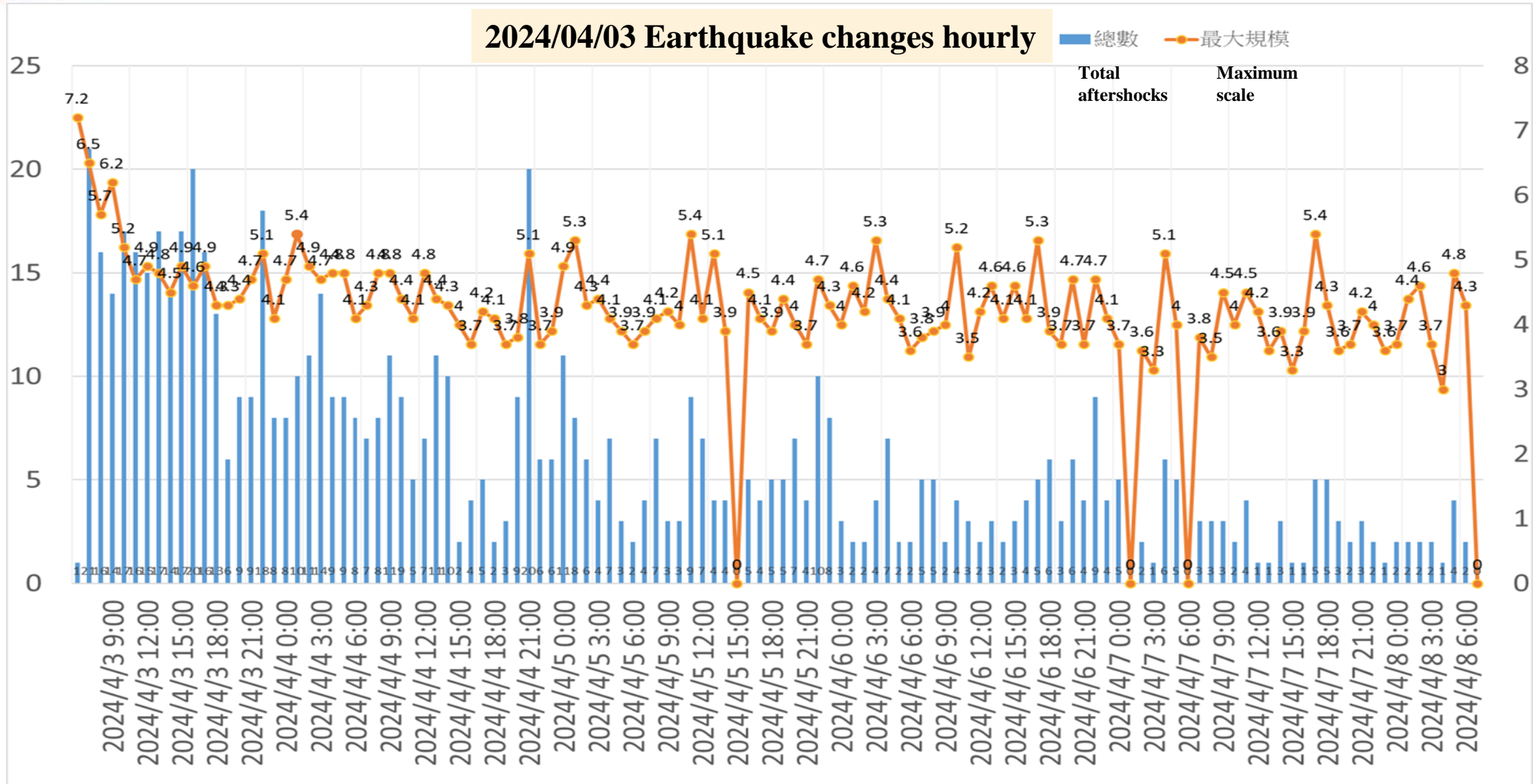
## Statistics of Mainshock + Felt Aftershocks

$M \geq 7$	1
$7 > M \geq 6$	2
$6 > M \geq 5$	25
$5 > M \geq 4$	222
$4 > M \geq 3$	490
Significantly felt	159
Small area	581
Cumulative total	740

Statistics cut off at 08:03 2024/04/08



# 1. Overview of the Earthquake - Statistics of felt aftershocks



# 1. Overview of the Earthquake - Tsunami warning

Release time: At **08:11** on 2024/04/03

Report content: At 07:58 on 2024/04/03(Taiwan time), an earthquake of magnitude 7.2 occurred in the eastern waters of Taiwan. The epicenter was located at 121.67 degrees east longitude and 23.77 degrees north latitude. This earthquake may trigger a tsunami affecting Taiwan. We hereby **Issue a tsunami warning**, reminding people in coastal areas to be vigilant and take strict precautions and pay attention to the harm caused by sudden surges in waves.

<Warning zone>	<Estimated tsunami arrival>	<Estimated tsunami amplitude>
Eastern coastal areas	07:59 2024/04/03	Less than 1 meter
Southeastern coastal areas	08:10 2024/04/03	Less than 1 meter
Northeastern coastal areas	08:13 2024/04/03	Less than 1 meter
Northern coastal areas	08:39 2024/04/03	Less than 1 meter
Southwestern coastal area	08:54 2024/04/03	Less than 1 meter
Strait coastal areas	09:58 2024/04/03	Less than 1 meter

<Location of Tidal level stations>	<Time the arrival of tsunami observed>	<Amplitude of the tsunami observed >
Hualien	08:30 2024/04/03	27 cm
Su'ao of Yilan	08:33 2024/04/03	43 cm
Longdong of New Taipei City	8:35 2024/04/03	22 cm
Wengang of Chiayi	08:49 2024/04/03	21 cm
Chenggong of Taitung	08:52 2024/04/03	54 cm
Wushi of Yilan	09:12 2024/04/03	82 cm
Taichung Port	09:36 2024/04/03	27 cm

Release time: At **11:10** on 2024/04/03

Report content: According to observations of the Tidal level stations of the Central Weather Administration (CWA), tsunami waves have gradually reached the coast. **It is determined that the threat of tsunami has been eliminate; hence, the lift of the tsunami warning.**

## 2. Initial Response Measures - Immediate response and dealing

- At **8:00 on 2024/04/03**, Ministry of the Interior (MOI) **synchronously activated** the NFA Emergency Response Team and the **Central Emergency Operations Center (CEOC)**. Immediately, **2 sorties** of C-130H transport aircraft (from **Ministry of National Defense**) and **4 sorties** of helicopters (from **National Airborne Service Corps**) were dispatched to transport **77 SAR personnel**, including the NFA's Special Search and Rescue Team (SSAR) and the special SAR personnel from Tainan City, Kaohsiung City, and Pingtung County, as well as **5 search dogs**, to go to Hualien for disaster rescue and aerial survey.
- **Minister LIN of the Interior** flew to Hualien to survey the disaster situation at 12:00 on **2024/04/03** and at on **2024/04/04**, while **commanding the overall emergency response matters**.



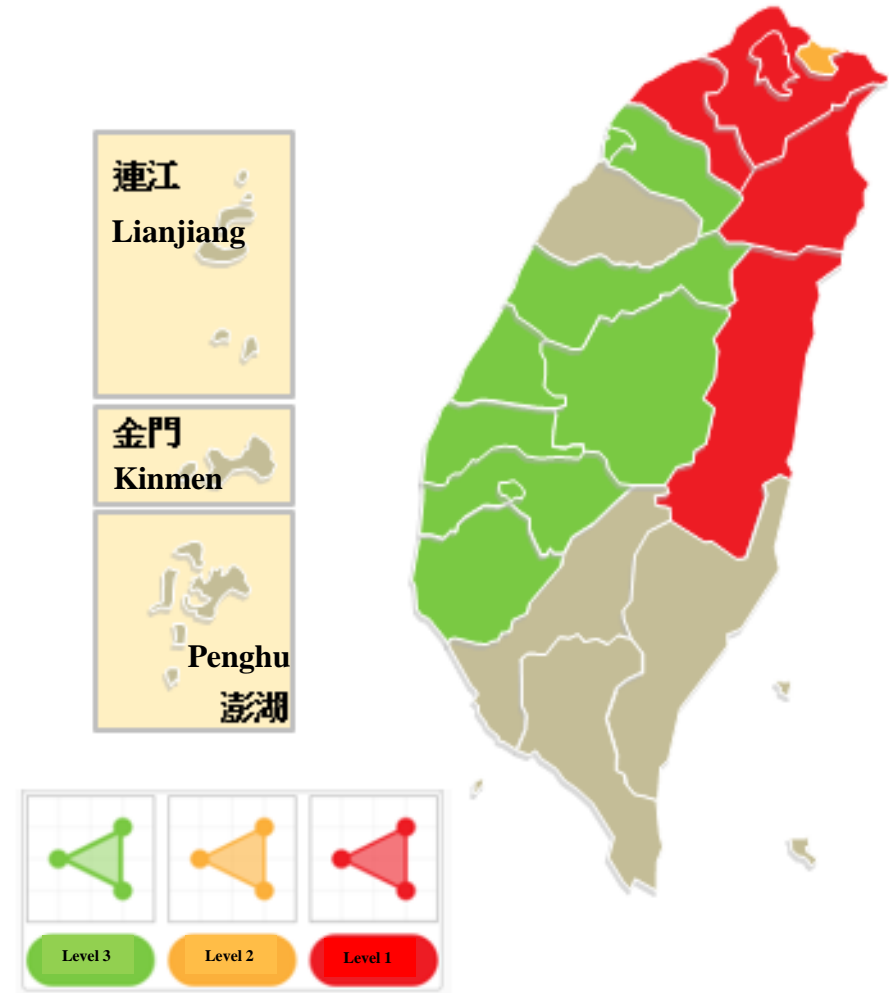
# The President and the Premier arrived at CEOC in 2 hours after the earthquake (Day 1)



The President arrived at the Central Emergency Operations Center at 10:00 on 2024/04/03

## 2. Initial Response Measures – Activation of county and city Emergency Operations Centers (EOCs)

	Number of EOCs established	EOC level	Governments
County and City	5	Level 1	Taipei City, New Taipei City, Taoyuan City, Yilan County, Hualien County
	2	Level 2	Taichung City, Keelung City
	8	Level 3	Hsinchu County, Hsinchu City, Miaoli County, Changhua County, Nantou County, Yunlin County, Chiayi County, Chiayi City



On 2024/04/03 - A maximum of 15 counties and cities have activated their Emergency Operations Centers (EOCs)

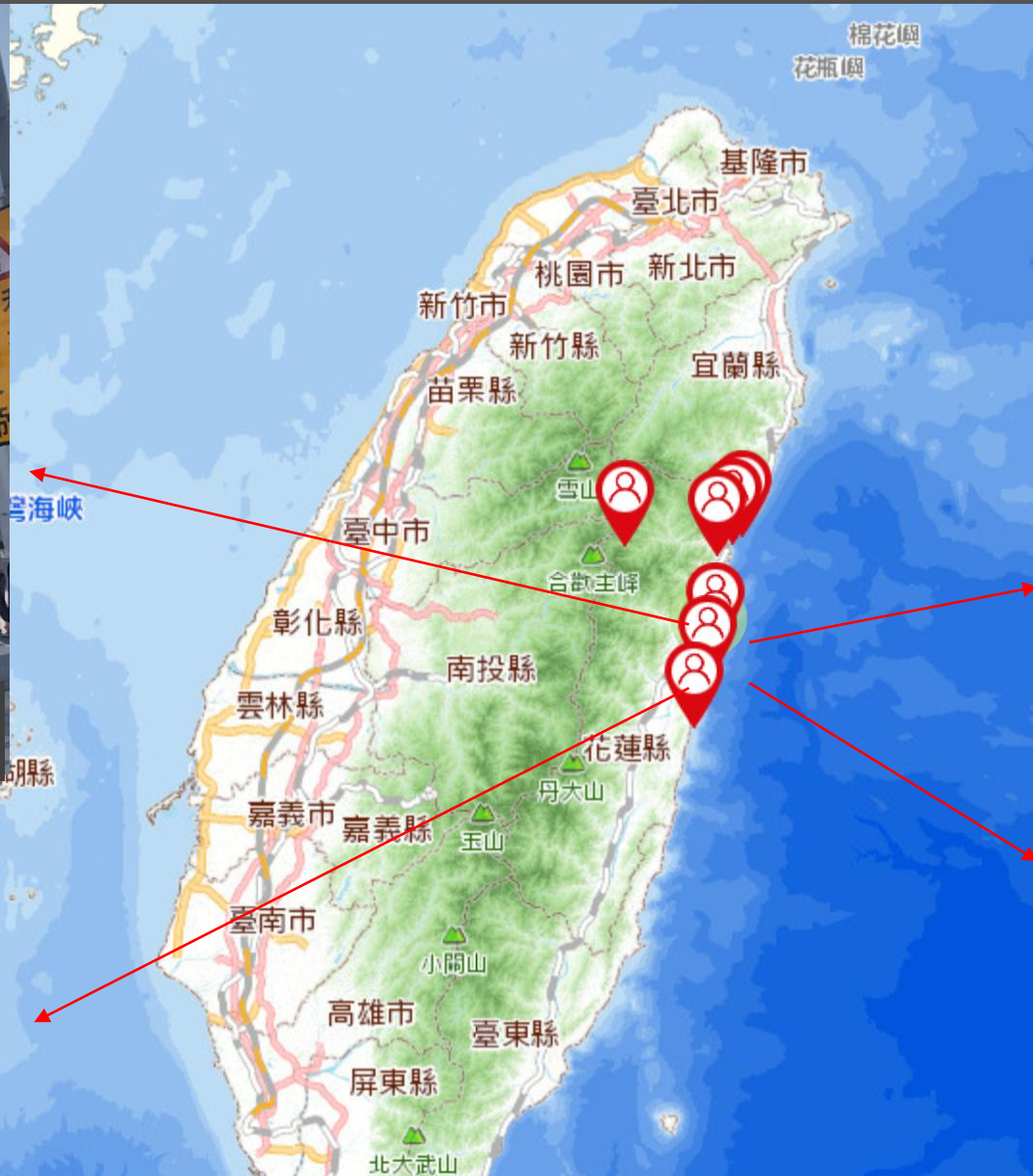
## 2. Initial Response Measures – Important timeline

Date	Important Progress	Disaster Situation
2024/04/03 (Day 1)	Activated the Central Emergency Operations Center (CEOC), the President arrived at the CEOC, collected disaster information, mobilized manpower to support Hualien, and the Minister of the Interior conducted disaster survey	9 deaths, 969 injured, 96 trapped, 38 missing
2024/04/04 (Day 2)	The Minister of the Interior conducted disaster survey, established the Hualien Forward Command and Coordination Post, and assessed and controlled barrier lakes.	10 deaths, 1,099 injured, 705 trapped, 11 missing
2024/04/05 (Day 3)	At the peak of the disaster, installed low-orbit satellites and communications vehicles (to restore communications and networks in the disaster area)	10 deaths, 1,133 injured, 636 trapped, 10 missing
2024/04/06 (Day 4)	Important detours of the Provincial Highway No. 8 was cleared after rush repair, Turkish UAV Team arrived in Taiwan	13 deaths, 1,132 injured, 351 detained, 6 missing
2024/04/07 (Day 5)	Provincial Highway No. 8 was cleared after rush repair, stranded people were evacuated, and the Turkish UAV Team conducted aerial photography missions	13 deaths, 1,142 injured, 37 left behind, 6 missing
2024/04/08 (Day 6)	Continuous search for missing people	13 deaths, 1,146 injured, 37 left behind, 6 missing
2024/04/09 (Day 7)	Continuous search for missing people	13 deaths, 1,166 injured, 37 left behind, 6 missing

### 3. Disaster Situation- in various places (Hualien area)



08:36 Intersection of Chongqing Road and Zhongshan Road, Hualien



08:25 Hualien Gril's Senior High School damaged



08:14 No. 16, Beibin Street, Hualien



08:36 Building cracked, No. 222, Section 1, Zhongshan Road, Ji'an Township, Hualien

### 3. Disaster Situation - in various places (Hualien area)



08:30 Road blocked by rockfalls at 18.7K and 1.9K of Central Cross-Island Highway



08:32 Road damaged near Hualien Bridge on Provincial Highway No. 11



08:30 Railway interruptions due to rockfalls on the north and south bridges of the Muguaxi Bridge in Hualien County



08:03 Damaged road near Ocean Park in Shoufeng Township, Hualien



08:50 Road damaged, in front of Daqingshui Tunnel

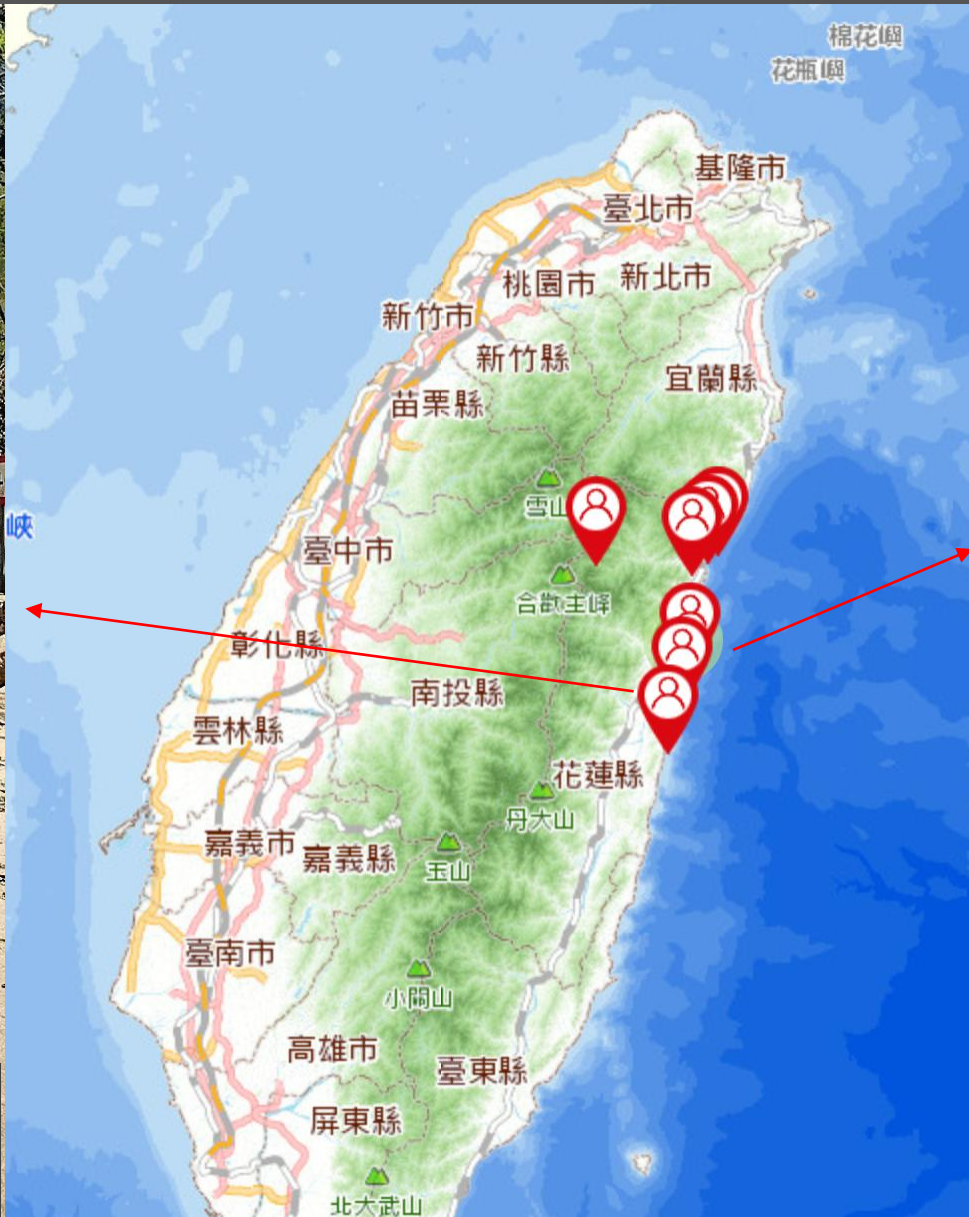


08:05 Rockfalls near Chongde Tunnel

### 3. Disaster Situation - in various places (Hualien area)



08:00 Road blocked on Hualien Highway No. 2, heading from Fushi Village, Xiulin, Hualien towards Taroko



08:05 Collapse and mud eruption in pier of Hualien Port

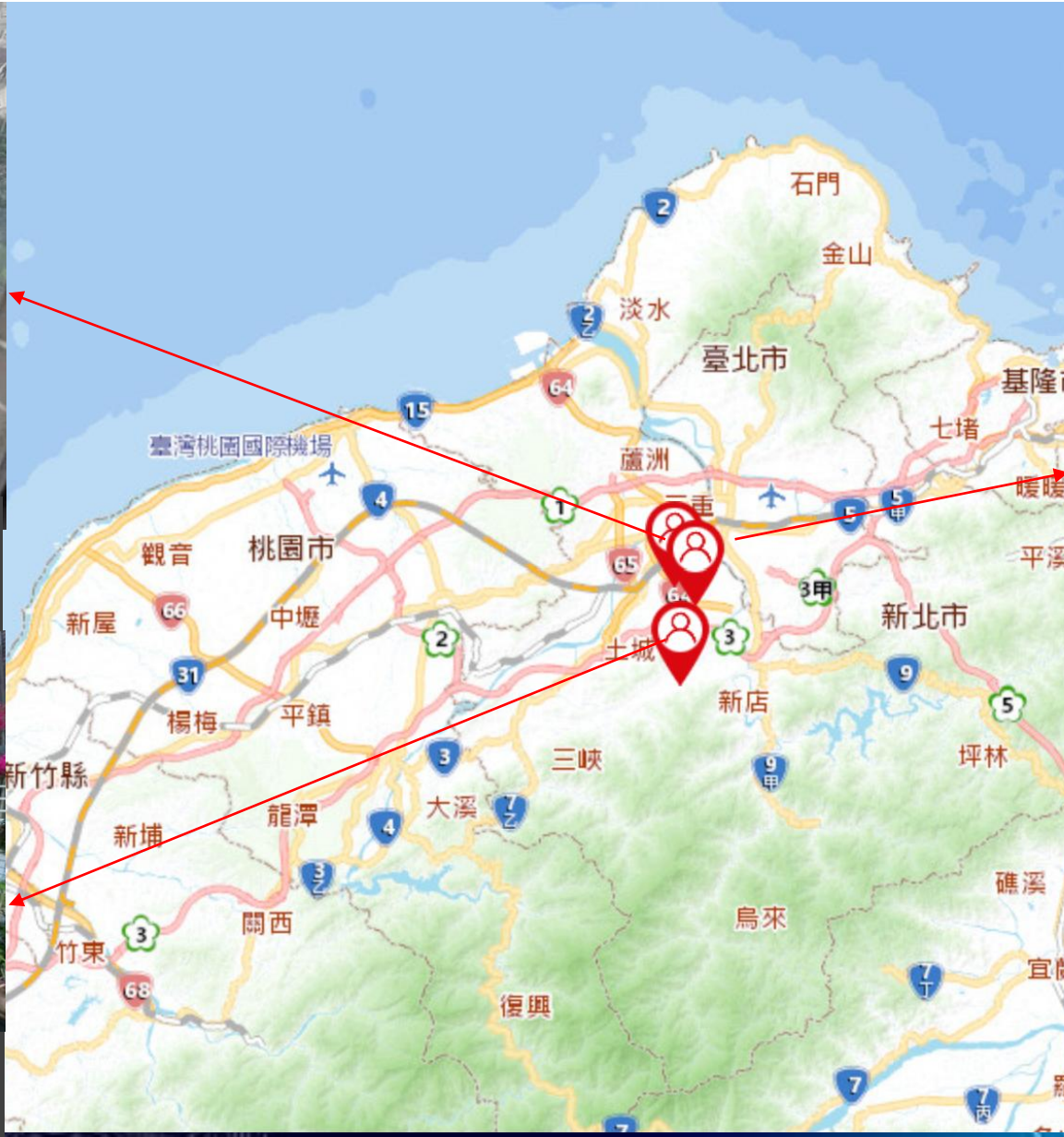
### 3. Disaster Situation - in various places (New Taipei City)



08:36 Building collapse, KEN DING PRINTING FACTORY in Zhonghe District



09:22 A single detached house subsided at hillside behind No. 4, Lane 90, Alley 60, Antei Road, Xindian District

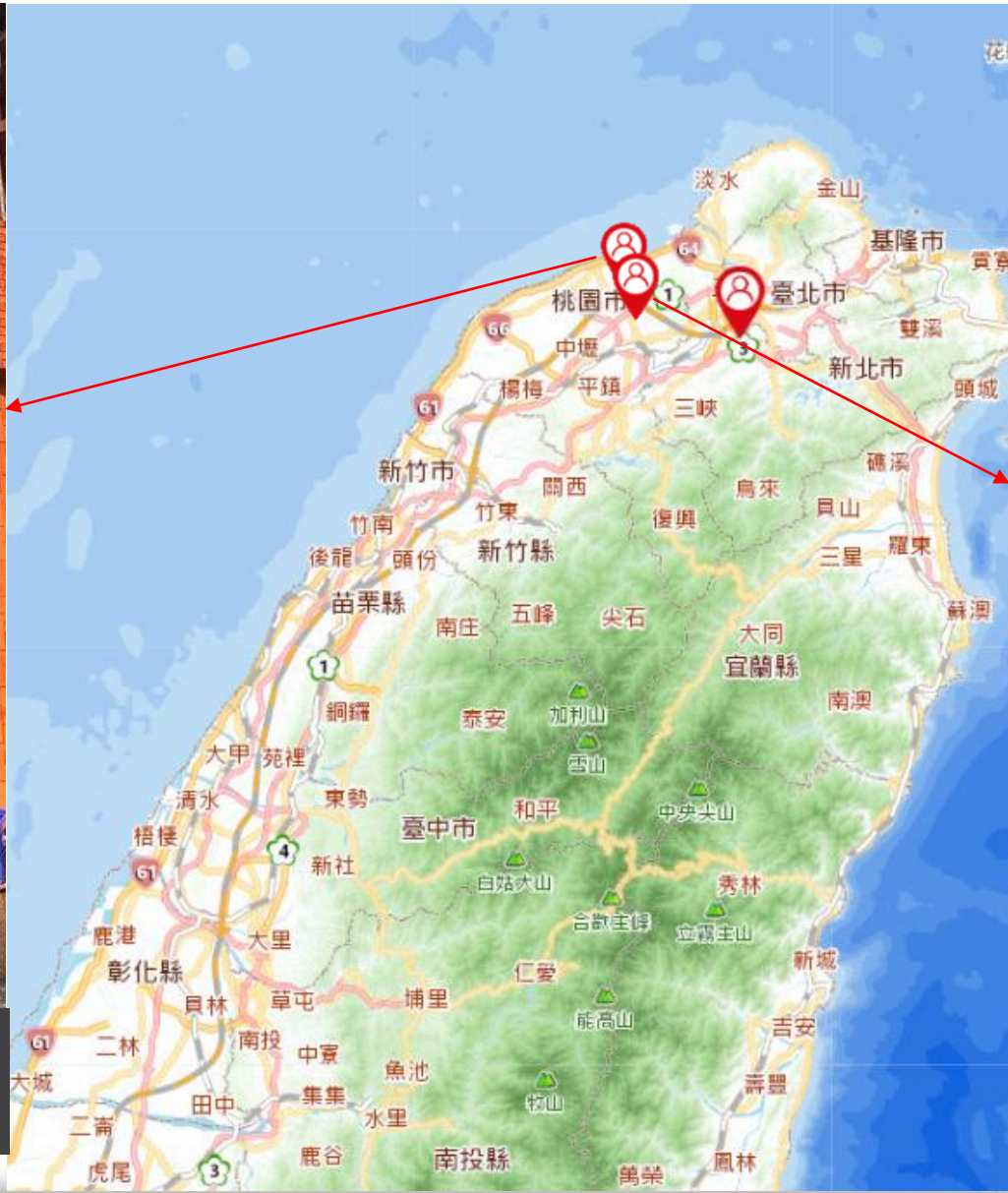


08:36 Rail track misalignment on the New Taipei Circular Line at Yuan Shan Road in Zhonghe District

### 3. Disaster Situation - in various places (Taoyuan City)



09:31 Cracks at the intersection of Min'an Road and Zhongwu Road, Taoyuan District, Tayuan City

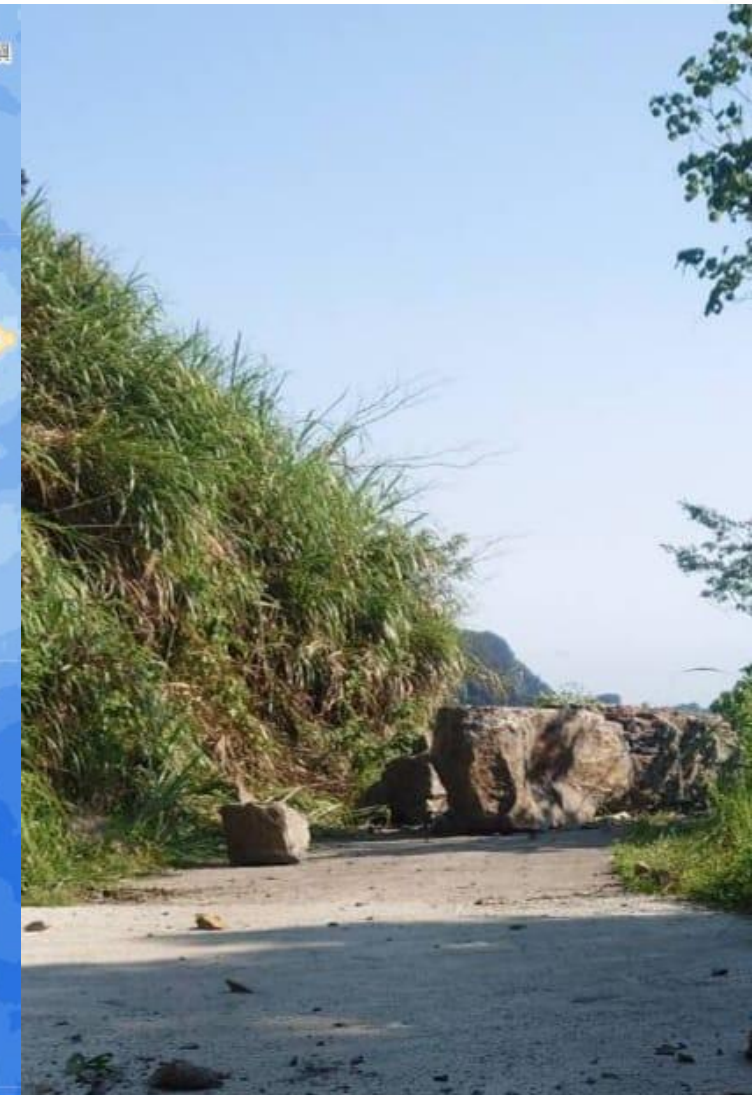
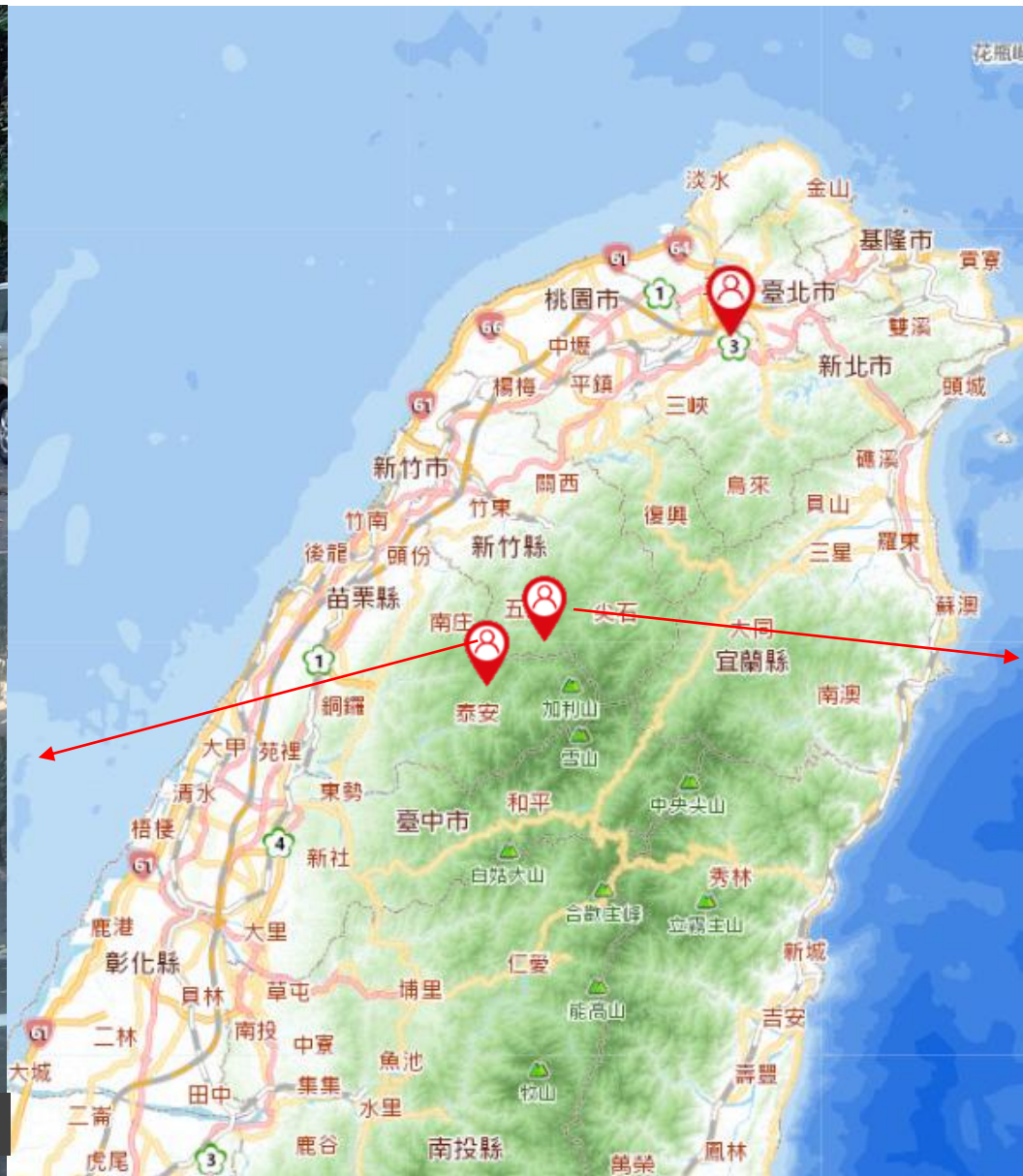


09:36 Wall cracked on the first floor of the Sanyuanjidi Building in Dazhi Li, Bade District, Taoyuan City

### 3. Disaster Situation - in various places (Miaoli County)



08:56 Rockfalls in Tai'an, Miaoli



08:00 Rockfalls 500 meters away from the trailhead of Mount Gari in Miaoli County

# 3. Disaster Situation - Barrier lake

## ➤ Descriptions of the emergency assessment for the barrier lake in the upstream of Wanli Creek

- According to analysis, the newly-generated barrier lake in Wanli Creek of Hualien County is about 30 meters, the backwater lasts for approximately 670 meters in length, and the water accumulated reaches about 550,000 cubic meters. At present, the overflow should have become stable, which is approximately 20 kilometers in distance away from Wanrong Tribe, the protection target on the downstream. If the dam breaks and the water flows to Wanrong Tribe, then the water level of the river will rise by about 60 centimeters (making the tribe settlement still 10 meters above the river bed), which will not lead to immediate hazard to the downstream settlements.
- An emergency notification was issued at 7:30 on 2024/04/04, requesting relevant agency to conduct river control and informing villagers not to enter the creek bed for the time being.



Image source: Space Telemetry Center

# 3. Disaster Peak - 2024/04/05; 10 deaths/ 1,106 injured/ **705 trapped**/ 18 missing

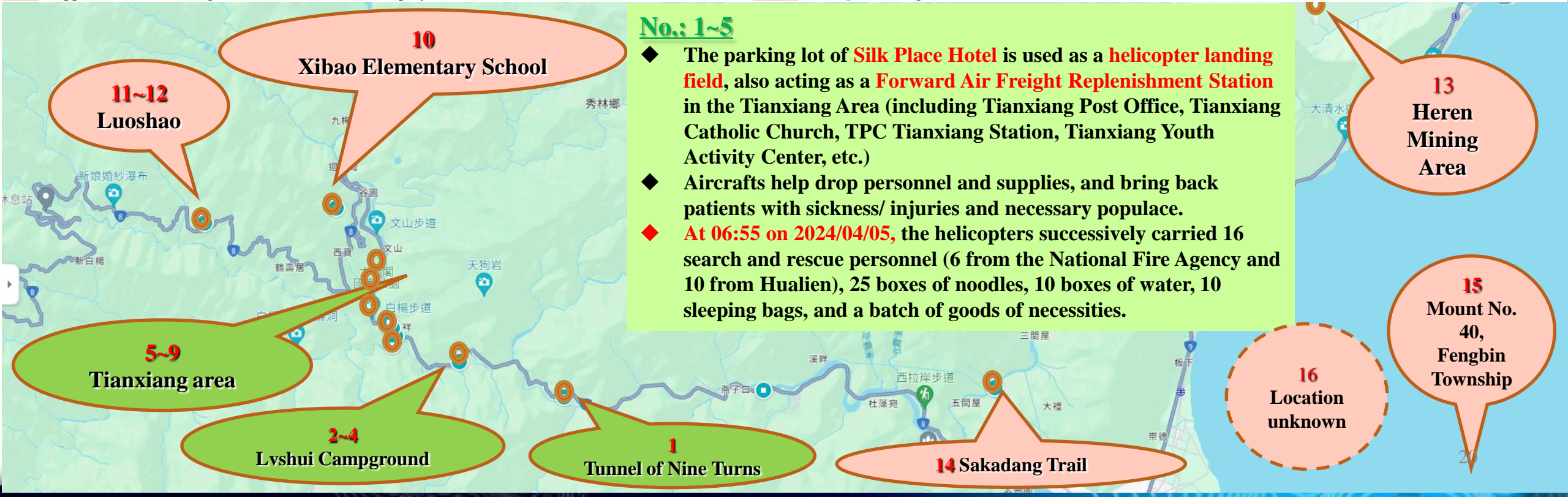
County and city	Death toll	Number of ppl injured	Number of ppl trapped	Number of ppl missing	No.	Descriptions: Trapped <b>9 cases</b> / Missing <b>7 cases</b>
New Taipei City		286			1	Trapped - [10 people in Tunnel of Nine Turns] Among them, one suffered an open fracture
Hualien County	<b>10</b>	217	705	18	2	Trapped - [18 people in Heliu Campground and Lvshui Campground] Among them, one suffered diabetes and one suffered a back injury; both needs to be sent to the hospital
Taichung City		40			3	Missing - [2 people husband and wife in Lvshui Campground] 1 couple.
Yilan County		80			4	Missing - [1 Indian male] Missing at 175K on Provincial Highway NO. 8.
Tainan City		0			5	Trapped - [Silks Place Hotel ] 464 people (= 125 employees and 339 populace)
Nantou county		11			6	Trapped - [Tianxiang Post Office] 10 tourists and 1 employee
Pingtung County		1			7	Trapped - [Tianxiang Catholic Church] 28 tourists and 1 employee
Miaoli County		16			8	Trapped - [Taiwan Tianxiang Station] 8 tourists and 1 employee
Chiayi City		4			9	Trapped - [Tianxiang Youth Activity Center] 11 employees and 63 populace
Chiayi County		1			10	Trapped - [Xibao Elementary School] 45 students, 15 teachers, 20 residents, 4 tourists
Taoyuan City		125			11	Missing - [Mr. FENG in Luoshao area] reported to friends twice that he was safe, but could lost contact of him later.
Keelung City		16			12	Trapped - [6 students from Donghua University] called back to stay at a private residence in Luoshao, but could not be contacted later.
Taipei City		212			13	Missing - [1 person near Zhonghe Mining Field in Heren Mining Area] Suspected of being buried under earth and rocks
Kaohsiung City		2			14	Missing - [6 people near Shakadang Trail] Among them, 2 adults and 3 children belong to the same family, and the other woman is an independent climber
Hsinchu County		30			15	Missing - [4 people in the direction of Mount No. 40, Fengbin Township] Lost contact while mountaineering
Hsinchu City		41			16	Missing - [3 foreign nationals] (1 Canadian, 2 Australian): Unable to confirm their locations
Changhua County		19				
Taitung County		2				
Yunlin County		2				
<b>Total</b>	<b>10</b>	<b>1,106</b>	<b>705</b>	<b>18</b>		

### 3. Casualty Status - 17 deaths/ 2 missing/ 1,161 injured

County and city	Death toll	Missing	Injured	No.	Location	Death toll
New Taipei City			297			
<b>Hualien County</b>	17	<b>2</b>	251	1	On Provincial Highway No. 8, at 183K, one slope construction worker was hit by falling rocks	1
Taichung City			37			
Yilan County			81	2	On Provincial Highway No. 8, at 181.5K, one person was also hit by falling rocks	1
Nantou county			10			
Pingtung County			1	3	On Dekalun Trail, at 300M, in Fushi Village of Xiulin Township, Hualien County, a group of 7 people were injured by falling rocks and 3 out of the 7 died.	3
Miaoli County			16	4	Heren Mining Area of the Hsin Hsin Cement Enterprise Corp.	1
Chiayi City			4			
Chiayi County			1			
Taoyuan City			127	5	On Provincial Highway No. 9, at 161.3K, in Daqingshui Recreation Area in Xiulin Township, Hualien County, one person died in a sedan	1
Keelung City			18			
Taipei City			216	6	On Provincial Highway No. 9, at 160.7K, in Daqingshui Recreation Area in Xiulin Township, Hualien County, one person died in a truck tractor-trailer	1
Kaohsiung City			3			
Hsinchu County			30	7	Uranus Building	1
Hsinchu City			43	8	Zhui-lu Historical Trail	1
Changhua County			20	9	Shakadang Trail	6
Taitung County			3			
Yunlin County			3	10	<b>Heren Mining Area - Zhonghe Mining Area (Found on 2024/04/13)</b>	<b>1</b>
<b>Total</b>	<b>17</b>	<b>2</b>	<b>1,161</b>		<b>Subtotal</b>	<b>17</b>

# 3. Disaster Peak - 2024/04/05 statistics

No.	Situation	No.	Situation
1	Trapped - [10 people in Tunnel of Nine Turns] (at 173.5K on Provincial Highway No. 8) Among them, one suffered an open fracture	9	Trapped - [Tianxiang Youth Activity Center] 11 employees and 63 populace
2	Trapped - [18 people in Heliu Green Water Camp] Among them, one has diabetes and one has a back injury and needs to be sent to the hospital	10	Trapped - [Xibao Elementary School] 45 students, 15 teachers, 20 residents, 4 tourists
3	Missing - [2 people husband and wife in Lvshui Campground] 1 couple.	11	Missing - [Mr. FENG in Luoshao area] reported to friends twice that he was safe, but could lost contact of him later.
4	Missing - [1 Indian male] Indian male] Missing at 175K on Provincial Highway NO. 8.	12	Trapped - [6 students from Donghua University] called back to stay at a private residence in Luoshao, but could not be contacted later.
5	Trapped - [Silks Place Hotel ] 464 people (= 125 employees and 339 populace)	13	Missing - [1 person near Zhonghe Mining Field in Heren Mining Area] Suspected of being buried under earth and rocks
6	Trapped - [Tianxiang Post Office] 10 tourists and 1 employee	14	Missing - [6 people near Shakadang Trail] Among them, 2 adults and 3 children belong to the same family, and the other woman is an independent climber
7	Trapped-[Tianxiang Catholic Church] 28 tourists and 1 employee	15	Missing - [4 people in the direction of Mount No. 40, Fengbin Township] Lost contact while mountaineering
8	Trapped - [TPC Tianxiang Station] 8 tourists and 1 employee	16	Missing - [3 foreign nationals] (1 Canadian, 2 Australian): Unable to confirm their locations



### 3. Disaster Situation - 305 evacuated with medium bus/ 37 stay-behind/ **3 missing** (Statistics cut off at 17:00 on 2024/04/10)

**【Xibao Elementary School】**

On 2024/04,07, 3 medium  
buses dispatched - **59 people  
evacuated**

**【Silk Place Hotel】**

On 2024/04,07, 12 medium  
buses dispatched – **246 people  
evacuated**

**【Tianxiang area】**

## 37 people retained

1. SilkPlace Hotel - **30 people**
2. Tianxiang Catholic Church  
- **1 staff member**
3. Tianxiang Youth Activity  
Center - **6 staff members**

**[Heren Mining Area - Zhonghe Mining Field] Missing 1 person** - Suspected of being buried under earth and rocks

## Search and rescue situation in Zhonghe Mining Field

**On 2024/04/10, 4 policemen and auxiliary firefighters, 6 mining area personnel, and 1 technician (of Bureau of Mines) were dispatched. The road was blocked due to excavation. On 2024/04/11, 4 policemen and firefighters, 7 mining area personnel, and 3 excavators were scheduled to be dispatched to continue the search.**

**【Shakatang Trail】 Missing 2 people (Singaporeans with Australian nationality)**

## Search and rescue situation on Shakadang Trail

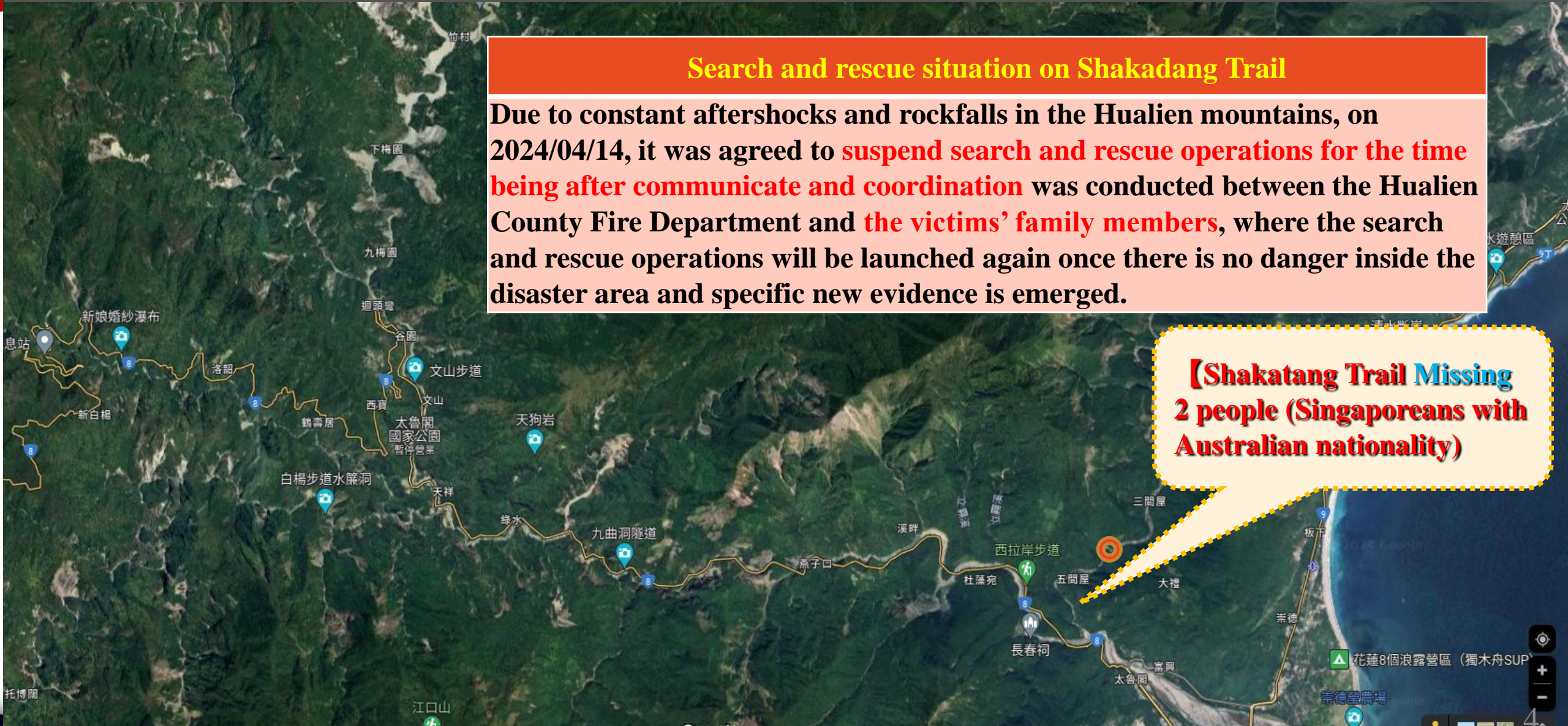
On 4/10, 27 police officers, 8 Red Cross personnel, and 3 mobile phones were dispatched. A total of 27 police officers were dispatched. **5 bodies, On the 11th, 15 police officers, 1 search and rescue dog, and 5 uncensored vehicles were scheduled to be dispatched to continue the search.**

### 3. Disaster Situation - **2 missing** (Statistics cut off at 09:00 on 2024/04/17)

#### Search and rescue situation on Shakadang Trail

Due to constant aftershocks and rockfalls in the Hualien mountains, on 2024/04/14, it was agreed to **suspend search and rescue operations for the time being after communicate and coordination** was conducted between the Hualien County Fire Department and **the victims' family members**, where the search and rescue operations will be launched again once there is no danger inside the disaster area and specific new evidence is emerged.

**【Shakatang Trail Missing  
2 people (Singaporeans with  
Australian nationality)】**



### 3. Disaster Situation - Search for missing populace - Shakadang Trail, Hualien



# 3. Disaster Situation – General disaster situation, evacuation, sheltering and resettlement (Statistics cut off at 12:00 on 2024/04/10)

## General disaster situation:

Total: 2,861 cases.

(2,856 cases processed, 5 cases in processing)

(Source: EMIC)

## Evacuation situation:

2,060 people.

(Source: EMIC)

## Shelter and resettlement situation:

A total of 41 shelters have been set up, housing 1,017 people., as of 12:00 on 2024/04,10, 3 cities including New Taipei City, Taoyuan City and Keelung City still maintained shelters in a total of 15 locations, housing 242 people..

(Source: Department of Social Relief)

County and city	Road tree damage	Advertising signage damage	Road and tunnel damage	Bridge damage	Railway, high-speed rail, and railway damage	Flooding	Landslides and landfalls	Building damage	conservancy facility damage	damage Water infrastructure	People's livelihood and infrastructure	vehicles, traffic accidents	Environmental pollution	Fire	Other disasters	Total number of cases
Total	18	20	75	27	4	7	26	861	4	544	18	5	9	1,243	2,861	
Keelung City	0	0	2	2	0	0	2	26	1	13	0	0	0	14	60	
New Taipei City	4	1	0	3	1	1	8	169	0	117	0	0	0	290	594	
Taipei City	4	14	25	11	2	4	2	527	1	272	0	5	2	277	1,146	
Taoyuan City	4	4	12	1	0	2	0	62	0	53	1	0	1	102	242	
Hsinchu County	0	0	1	0	0	0	2	0	0	0	0	0	0	29	32	
Miaoli County	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	
Taichung City	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	
Changhua County	1	0	0	0	0	0	0	1	0	1	0	0	0	1	4	
Nantou county	0	0	1	1	0	0	0	0	0	0	0	0	0	69	71	
Yunlin County	1	0	3	0	0	0	2	7	0	31	0	0	0	5	49	
Chiayi County	0	0	3	0	0	0	0	20	2	1	0	0	0	2	28	
Chiayi City	1	0	0	0	0	0	0	2	0	1	0	0	0	4	8	
Tainan City	0	0	0	0	0	0	0	1	0	7	0	0	0	1	9	
Kaohsiung City	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3	
Yilan County	0	0	1	2	0	0	0	3	0	0	0	0	0	1	7	
Hualien County	1	0	25	7	1	0	9	43	0	48	17	0	6	448	605	

# 3. Disaster Situation – Electricity, gas supply, and communications

(Statistics cut off at 09:00 on 2024/04/17)

## POWER SUPPLY

372,947 households encountered power outage where the **power was restored** on 2024/04211/

## NATURAL GAS

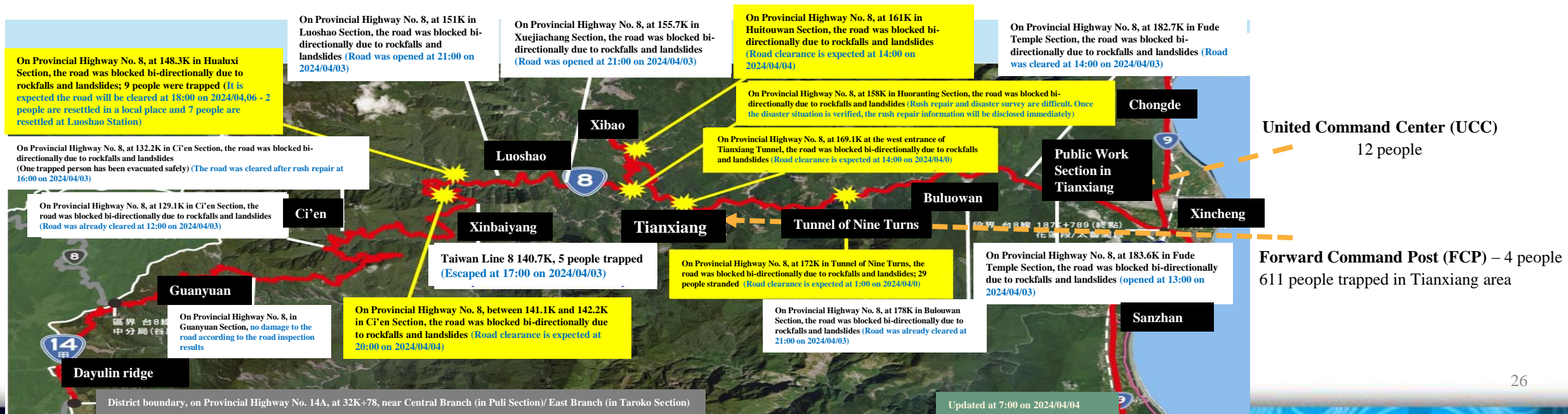
523 households encountered gas outage, and currently there are still **24 households in Taipei City without gas supply**. Due to the lack of user consent to work on the exterior wall, **the construction work can only be carried out after the negotiation between the gas company and the users**.

## COMMUNI CATIONS

A total of 80 base station failures, **70** of them have been repaired, and the remainder **10 (seriously damaged)** are expected to be **repaired by 2024/04/18**. Also, **4 vehicles with mobile communications base station** remain in Hualien to support the local communications.

# 4. Important Response Measures - Rescue measures

- The search and rescue operations for the Hualien Uranus Building were completed on 2024/04/03.
- The search and rescue operations on Provincial Highway No. 8: SAR Teams push forward on the highway from both the east and west ends in both directions.
  - On 2024/04/04, on the **east side** of the highway, a **Forward Command Post was set up** by the NFA's SAR Team in Public works section of Taroko, and 4 SAR team members were hoisted and by a helicopter, and dropped at the parking lot of SILK PLACE HOTEL, where an apron was set up for **the take-off and landing of helicopters**.
  - On 2024/04/05, on the **west side** of the highway, a **Forward Command Post was set up** in Luoshao, led by Nantou County Fire Department, 3 SAR members and 2 policemen from Hualien's Hehuan Police Station (a total of 6 people and 3 vehicles), and **one vehicle with mobile communications base station** was dispatched by **Chunghwa Telecom** to assist **the restoration of mobile communications**.
  - At 15:53 on 2024/04/05, a search and rescue aircraft (C-493) was dispatched by the Ministry of National Defense (MND) took off from Songshan Airport with the Deputy Minister QUE of the Ministry of Digital Affairs (MODA) and 120 kilograms of equipment on board to be transported to the the Taroko National Park Headquarters, which then carried 1 technician to **SILK PLACE HOTEL** in Tianxiang **to set up low-orbit satellites** communications equipment, assisting **the restoration of network communications**.



# 4. Important Response Measures - Highway rush repair




# 4. Important Response Measures - Land and air dispatchment to support the disaster rescue

As of 2024/04/10, deployments from the **Ministry of National Defense (MND)**, **Ministry of the Interior (MOI**, including NPA, NFA, Airborne Service Corps), **Ministry of Transportation and Communications (MOTC)** total in **12,311 disaster relief personnel, 1,051 sorties of various vehicles and equipment/ tools**; deployments from the National Rescue Command Center (NRCC) total in **29 aircraft sorties** (= 25 sorties from **Airborne Service Corps** + 4 sorties from **MND**), **5 drone sorties** (= 1 sortie from **MND**, 1 sortie from **MOTC**, and 3 sorties from **Taiwan-Turkey joint team**), carrying 127 disaster relief personnel, 167 disaster victims, and 3,176 kilograms of supplies.




Personnel, equipment and tasks		Dispatch personnel		Various vehicles		Various machines and tools		Aircrafts		Vessels		Search dogs	
		04/10	Total	04/10	Total	04/10	Total	04/10	Total	04/10	Total	04/10	Total
Ministry of National Defense (MND),		4	638	2	150	0	26	0	4	0	0	0	0
Ministry of the Interior (MOI)	NFA	31	2,122	16	708	0	0	0	0	0	0	6	47
	ASC	0	101	0	0	0	0	0	25	0	0	0	0
	NPA	169	9,052	-	-	0	0	0	0	0	0	0	0
Ministry of Transportation and Communications (MOTC)		79	398	13	193	18	282	0	0	0	0	0	0
Subtotal		283	12,311	31	1,051	18	308	0	29	0	0	6	47

# 4. Important Response Measures - Strengthen disaster releases and publicity


Through media LINE groups, NFA Facebook (20 times), National Disaster Prevention e-APP, press releases (80 times), and other channels, Central Emergency Operations Center (CEOC) has released “real-time disaster information”, “publicity and appeals to the public” and "government response measures", and a total of 15 work briefs were held, where the relevant ministries and councils were designated to release disaster response information, and convey the implementation and progress of disaster relief. **Meanwhile, emergency search and rescue progress has been broadcasted via Hualien Police Radio Station**, reminding trapped populace to maintain their physical strength and wait for rescue, and strengthening communication with the public through the media.


**NFA**

**Introduction**  
Here we provide you with fire protection measures, publicity materials about Typhoon, Earthquake, Fire, and Explosion (the Central Emergency Operations Center)

 Fan pages, government agency  
 02 8911 4119  
 nfa.gov.tw

**Photos** [View all photos](#)





!!! A severe earthquake occurred at around 8 o'clock on 2024/04/03. The Central Emergency Operations Center was activated.  
There will be aftershocks successively. Please pay attention to safety !!!

**The Central Emergency Operations Center was activated.**

There will be aftershocks successively.  
Please pay attention to safety!

曾駿成、施嘉欣和其他380人 8則留言 36次分享

**全民防災點通**

[消息](#) [交通運輸](#) [災情看板](#) [應變中心開設情形](#)

**消息**

2024-04-07 22:00  
0403 花蓮地震災害緊急應變第15 報

2024-04-07 21:00  
救災物資發放地點 民眾仍要留意警戒

2024-04-07 21:00  
0403 花蓮地震第十五次工作會報告紀錄

2024-04-07 19:00  
雲海、土庫等無人機合作專案 尋求最佳救援方案

**交通運輸**

航空災情  
航空交通延誤停班22班 機場航班恢復11班  
機場暫停起降1班

港海及海運災情  
海運案件處理情形0件 海運停航6班

道路橋樑災情  
代臺縣道災情0件 市區道路災情0件  
自臺縣道災情1件 省道災情29件  
康佳民路地五節段主要聯外道路災情0件  
國道災情0件 鄉道災情6件

鐵路災情  
鐵路列車未接獲0件 鐵路列車停駛0件

**災情看板**

類別	待處理	處理中	已處理	未處理	未接獲
土石災情	4	0	22	0	0
水利設施災情	0	1	3	0	0
火災	0	0	9	0	0
民生、基礎設施災情	4	28	512	0	0
車輛、交通事故	1	2	15	0	0
其他災情	40	238	965	0	1
建物倒塌	28	67	769	0	2
路邊災情	0	1	15	0	0
灌溉、農業災情	7	7	62	0	0
農舍倒塌災情	0	0	19	0	0
機房災情	2	5	19	0	1
淹水災情	0	0	8	0	0
淹水浮漂	0	0	5	0	0
灌溉、農業設施災情	1	1	2	0	0

**應變中心開設情形**

花蓮縣 2 縣市  
1 級 3 級  
新北市 3 級

水利設施、淹水  
災情 0 處 淹水 0 處  
已達 0 處 淹水 0 處

避難場所  
累計疏散避難 2,060 人  
最高收容 894 人 目前 238 人

最近地震  
2024 年 04 月 03 日 16 時 24 分  
震央緯度 23.8 經度 121.5 震度 4.4

# 4. Important Response Measures - Disaster relief efforts supported by Turkey

- ◆ On 2024/04/06, the **Reception and Departure Centre (RDC)** was set up at Taoyuan International Airport to receive **international teams coming to Taiwan for disaster relief**, Turkish UAV Team (**7 people + 2 machines**) arrived at 17:55, speedily clearing the customs, left the airport at 18:25, and arrive in Hualien at about 22:46.
- ◆ On 2024/04/07, Taiwan-Turkey Joint UAV Team totally executed **3 drone missions** then returned to the UAV Task Command Station for **3D image modeling**, and explained the drone search progress at the Forward Command Post at 17:50.
- ◆ On 2024/04/08, Taiwan-Turkey Joint UAV Team **performed aerial photography missions over the Provincial Highway No. 8, collected complete aerial photography data, and completed the 3D valley terrain modeling** to be used as a source of reference for search and rescue personnel.
- ◆ On 2024/04/09, **experts and SAR teams from Taiwan and Turkey were invited for further discussions and exchanges** (at the NFA's Training Center and the International Conference Hall on the 15th floor) on **Turkish equipment and search and rescue experience**, and related agencies' efforts of **drone search and rescue practice in Hualien**.



# 4. Important Response Measures - Psychological experts' assistance with team services

- Since May 2011, the NFA has entrusted an external psychological experts to assist the disaster response teams in providing psychological care services such as stress test, group counseling, and individual counseling.
- Such psychological care services are provided to frontline firefighters, assisting civilians, police, air crew, and other personnel involved in the rescue work during 0403 Hualien Earthquake.

## 2024 Service items

### 1 Individual counselling

6 times a year, and may be increased for more times if necessary with the professional evaluation and the approval of the National Fire Agency

### 2 Group counselling

Stress reduction activities, and preventive psychological health education activities

### 3 Pressure test

※ Fees for the above services are covered by the funds of the National Fire Agency

Thanks go to the Executive Yuan for supporting the allocation of an annual budget of NT\$5 million to NFA, which fully subsidize the costs of PTSD diagnosis and treatment for frontline disaster relief personnel..



## A. Application by units and groups

### 1. Fill in the form

In Column "REMARKS", select:

National Fire Agency (NFA),  
Ministry of the Interior (MOI)

Service plans offered by  
psychological experts to assist the  
response teams



案



### 2. Contact Zhonglun via LINE and wait for message reply

### 3. A call from Zhonglun will conduct an initial conversation with you within 3 days

Confirm the time and method of proceeding

### 4. A psychologist goes to the agency to provide services

## B. Individual application by applicants themselves

### 1. Fill in the form

In Column "BUDGET", select:

National Fire Agency (NFA),  
Ministry of the Interior (MOI)

Service plans offered by  
psychological experts to assist the  
response teams



案



### 2. Contact Zhonglun via LINE and wait for message reply

### 3. A call from Zhonglun will conduct an initial conversation with you within 3 days

Explain the process and methods to understand your counselling expectations

### 4. Notify the matchmaking results and the Consultation time with the psychologist



# Shelters with privacy - Zhonghua Elementary School, Hualien City

2018/02/06 Earthquake → 2024/04/03 Earthquake



**Tzu Chi's shelter planning - inspired by Japan's disaster case:**  
**During the Eastern Japan's Earthquake (2011/03/11~), the design of compartments (with tentacle)**  
**was adopted for shelters to enhance disaster victims' privacy.**



**2024/04/03 Hualien Earthquake:  
Shelter @ Zhonghua Elementary School (indoor facility)  
Courtesy of : Tzu Chi Foundation**





**2024/04/03 Hualien Earthquake:**  
**Shelter @ Zhonghua Elementary School (outdoor facility)**  
**Courtesy of: Red Cross**





**2024/04/03 Hualien Earthquake:  
Shelter @ Zhonghua Elementary School (outdoor shower area)  
Courtesy of : Taiwan military (government agency)**





**2024/04/03 Hualien Earthquake:**  
**Internet communications services provided for the shelters @ Zhonghua**  
**Elementary School, for populace therein to stay in contact with the outside world**  
**Courtesy of : Chunghwa Telecom Co.**



**2024/04/03 Hualien Earthquake:**

**Various assistance and support provided by various NGOs outdoors around the shelters @ Zhonghua Elementary School**  
**Courtesy of : [World Vision Taiwan](#), [Chinese Christian Relief Association](#), [The Mustard Seed Mission](#), [Nan Shan Life Charity Foundation](#)**



**2024/04/03 Hualien Earthquake:**

**Various mental support provided @ Zhonghua Elementary School, including:**

**Psychological counselors' services, professional psychological care, psychological support, and mitigation of psychological trauma**





**2024/04/03 Hualien Earthquake:  
Hot meals provided by a big array of volunteers @ Zhonghua Elementary  
School  
Courtesy of : Tzu Chi Foundation**



**Disaster Prevention Technician training on evacuation and sheltering exercise was conducted at Jing Si Hall of Tzu Chi Foundation in Kaohsiung (2022/02/23).**





- 22 counties and cities have entered into Memorandums of Cooperation (MOC) with Tzu Chi Foundation, and most of the MOC are in line with the regular disaster drills of the counties and cities agencies.
- 15 hours of **Disaster Prevention Technician training** is offered to volunteer workers: including basic courses and advanced courses, contents ranging from individual self-help to community's mutual aid, as well as initial rescue, evacuation, disaster investigation and reporting, and other disaster response measures
- ✓ As of 2023, Tzu Chi Foundation has trained 8,314 Disaster Prevention Technicians- to be, including 3,968 people passing the exam to become certified **Disaster Prevention Technicians**.
- Tzu Chi's official website: <https://www.tzuchi.org.tw/>

# [Memorandum of Cooperation for Common Good]

## Cooperation items and statistics

Statistics as of May 4, 2023

# 22

Counties  
and  
cities

# 16

16 Professional  
organizations

### Cooperation items

#### Main items



- **Charitable care**
- **Disaster prevention education**
- **Environmental protection of the ecology**
- **Public welfare humanities**

#### Other items



- **Disaster relief cooperation**
- **Healthcare and long-term care**
- **International cooperations and exchanges**
- **Education support and development**

### Signing time/ Agencies and units

2019/04/16	National Science and Technology Center for Disaster Reduction (NCDR)
2019/04/30	College of City Management, University of Taipei
2019/07/12	Central Weather Bureau (CWB) of the Ministry of Transportation and Communications (MOTC)
2019/09/16	National Center for Research on Earthquake Engineering, National Applied Research Laboratories
2019/12/05	National Science And Technology Museum (NSTM)
2020/03/11	National Taipei University of Technology
2020/03/18	Environmental Protection Administration (EPA) of the Executive Yuan
2020/04/17	Water Resources Agency (WRA), Ministry of Economic Affairs (MOEA)
2020/05/26	National Applied Research Laboratories
2020/12/22	Water Conservation Bureau (WCB), Council of Agriculture (COA), Executive Yuan
2021/01/19	Central Branch, Coast Guard Administration (CGA), Ocean Affairs Council (OAC)
2021/03/10	Taiwan Water Corporation
2021/03/30	Overseas Community Affairs Council (OCAC) of the Executive Yuan
2022/04/26	Industrial Technology Research Institute (ITRI)
2022/06/15	National Fire Agency (NFA), Ministry of the Interior (MOI)
2022/11/18	National Police Agency (NPA), Ministry of the Interior (MOI)

# Disaster Prevention Technician training

by Tzu Chi Foundation

Disaster Prevention Technician training by Tzu Chi Foundation

25,904 Disaster Prevention Technicians in Taiwan

3,968 Disaster Prevention Technicians from Tzu Chi Foundation (accounting for 15%)

8,314 people undergo Disaster Prevention Technicians training by Tzu Chi Foundation (accounting for 32%)

**Central Taiwan** 13%

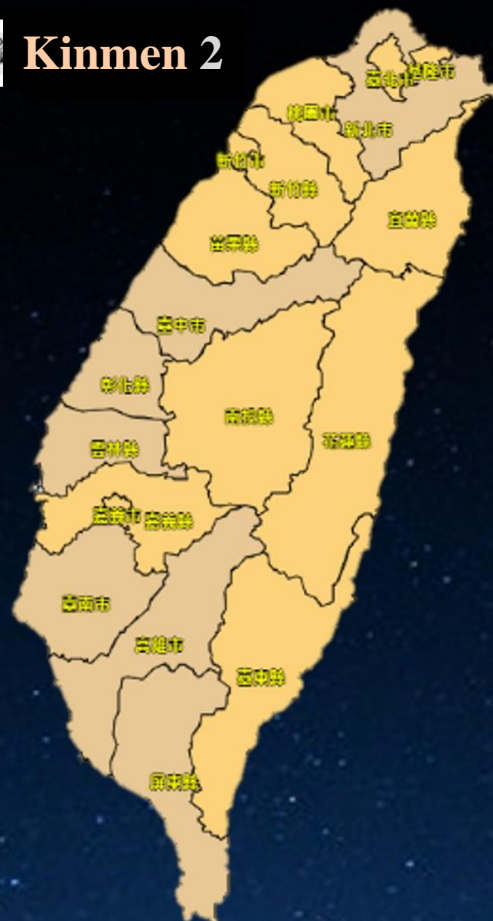
Miaoli County	75 , 207
Taichung City	493 , 568
Changhua County	228 , 258
Nantou county	73 , 77

**Southern Taiwan** 13%

Yunlin County	142 , 113
Chiayi County	80 , 60
Chiayi City	57 , 41
Tainan City	295 , 51
Kaohsiung city	437 , 451
Pingtung County	149 , 357*



**Kinmen** 2



**Northern Taiwan** 70%

Keelung City	143 , 107
Taipei City	252 , 2843*
New Taipei City	909 , 2556*
Taoyuan City	253 , 206
Hsinchu County	41 , 43
Hsinchu City	45 , 43

**Penghu** 16 ,

**Eastern Taiwan** 4%

Yilan County	50 , 51
Hualien County	216 , 261
Taitung County	15 , 14

Statistics cut off on December 31, 2023

# Meals were offered to the search and rescue personnel by warm-hearted people



# 4. Important Response Measures – Debriefing for improvement

In order to strengthen the earthquake disaster response effectiveness of the central and local governments, the plan is to invite relevant ministries and municipalities, county (city) governments to **hold a briefing for improvements.**

This year's (2024) 921 Exercise is tentatively scheduled to be held in Chiayi County, City and Penghu County from September 18 to 20 to verify the transportation of search and rescue personnel and vehicles, and the support for disaster relief efforts conducted in the outlying island. **The above review matters will be subsequently incorporated into the items for verification of this year's 921 exercise.**





**The End**