

4.1 Regional Working Group South China Sea

S T Chan

Hong Kong Observatory

ICG/PTWS September 2021 Meeting



Report of Regional Working Group on Tsunami Warning and Mitigation System in the South China Sea Region (WG-SCS)

Virtual Meeting of ICG/PTWS Steering Committee
21 - 23 September 2021

S T Chan
Hong Kong Observatory
Chair, WG-SCS

Ninth Session of ICG/PTWS WG-SCS (online)

Held during 27-28 Aug
2020

- Attended by China,
Indonesia, Malaysia,
Philippines, Singapore,
Vietnam, Thailand,
NWPTAC, PTWC, IOTIC



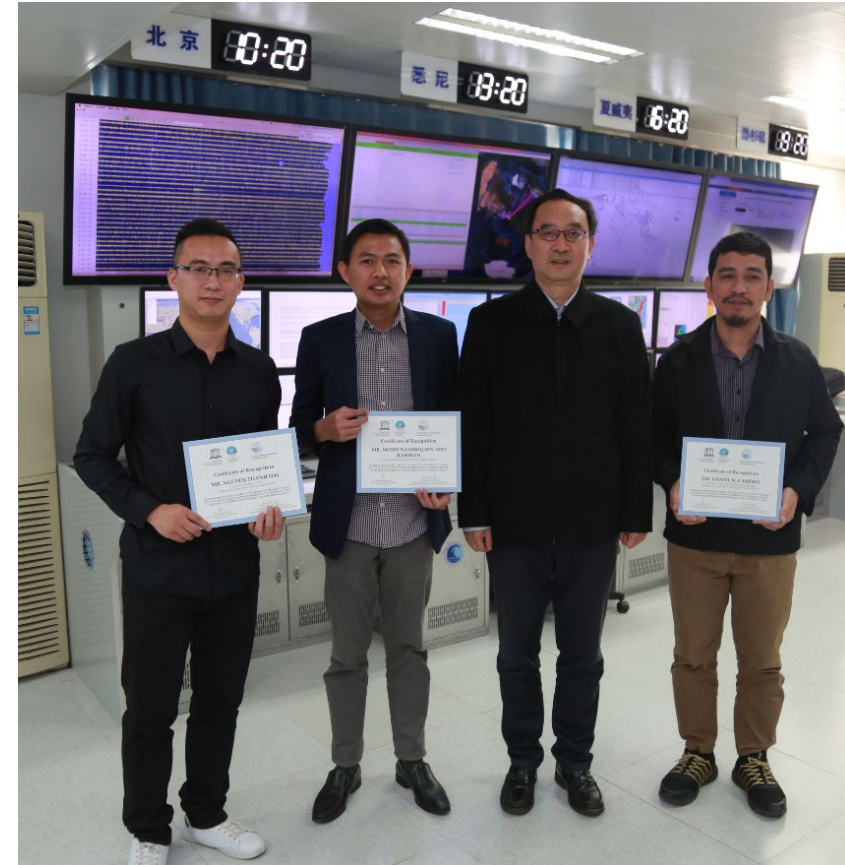
South China Sea Tsunami Advisory Centre (SCSTAC)

- Full operation of SCSTAC commenced on **5 Nov 2019**
- Up to Aug 2021, SCSTAC responded to **26 earthquake events** within its AoS, and issued **28 Tsunami Bulletins** in total to the Member States



Capacity Building Activities

- 2nd round of SCSTAC International Staff Programme conducted in 2019 - with 3 tsunami operators from **Malaysia**, the **Philippines** & **Vietnam** attached to SCSTAC during 16 Sep - 15 Nov 2019



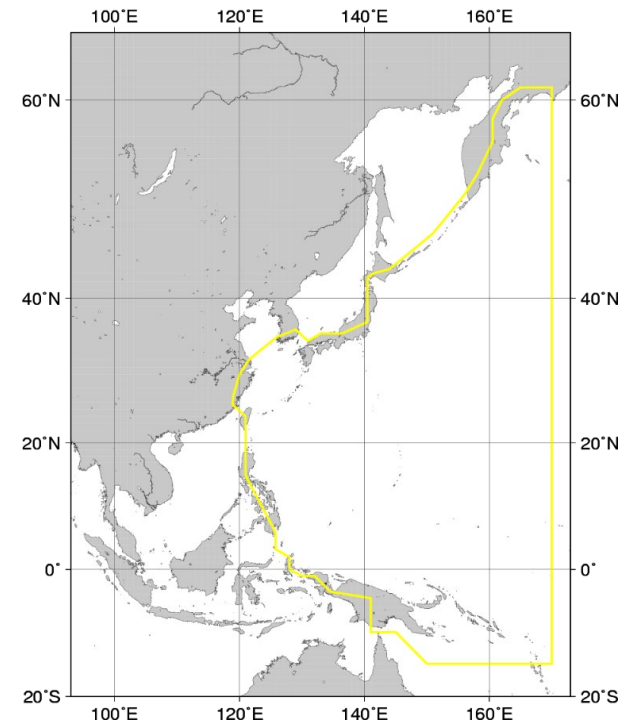
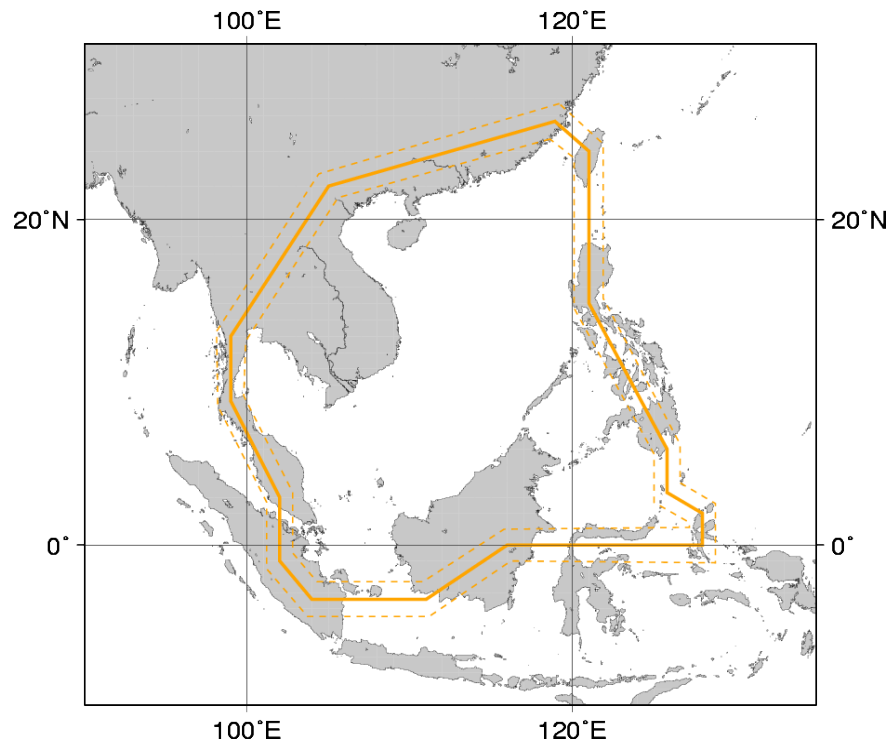
- Attachment programme suspended since then due to COVID-19

Capacity Building Activities

- Online training workshop on Tsunami Forecasting and Risk Assessment for Tsunami Warning Operators being organized by SCSTAC and IOC Secretariat
- Scheduled for Dec 2021

Operational Arrangements among TSPs

- NWPTAC raised question as to the necessity of NWPTAC & SCSTAC issuing tsunami advisories for a big earthquake occurring far from their AoS like the 1960 Chile earthquake
- Discussion ongoing among TSPs on the above issue



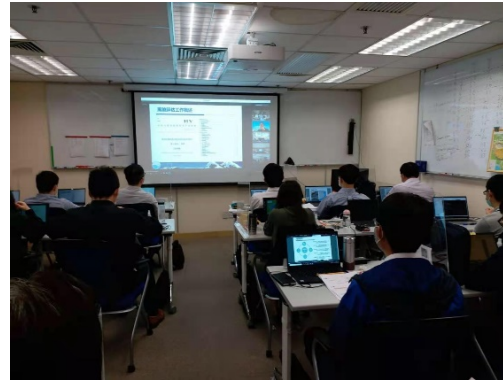
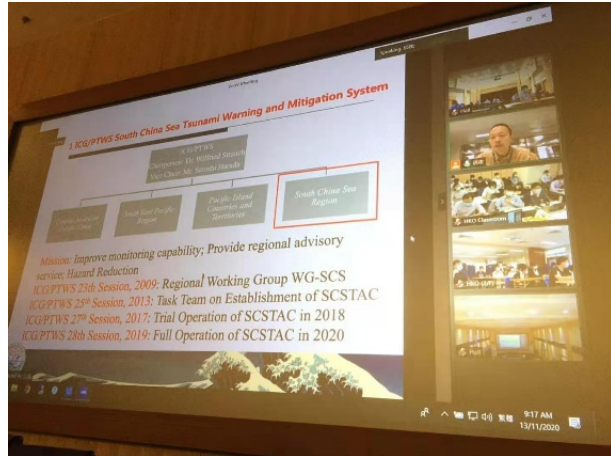
Establishment of Backup SCSTAC in Hong Kong, China

- SCSTAC working with Hong Kong Observatory (HKO) to build backup capability
- The backup SCSTAC (BSCSTAC) will be operated at Central Forecasting Centre (CFO) at HKO Headquarters – manned round the clock by Duty Officers; also responsible for global earthquake monitoring and local tsunami warning
- Scheduled activation of BSCSTAC for 2.4 months every year



南中國海區域海嘯預警中心備份中心(香港)
Backup South China Sea
Tsunami Advisory Center (Hong Kong)


Training Provided by SCSTAC



- 2 days' remote training conducted by SCSTAC in Nov 2020 to strengthen Hong Kong's capability on earthquake monitoring and tsunami warning

BSCSTAC Website under Development

bscstac.hko.gov.hk (hosted by HKO, domain name to be confirmed)




香港天文台
HONG KONG OBSERVATORY

2021-08-17 01:44:24 (UTC) [NTWC Login](#) / [Register](#)

Backup South China Sea Tsunami Advisory Center (Hong Kong) [RSS](#)

No Current Tsunami Information or Threat in Effect within the SCS Region !

• Latest Event Details



Tsunami Threat

Earthquake: **Magnitude: 7.7**
Origin Time: 2021-07-21 01:00:00(UTC)
Location: LUZON, PHILIPPINES

Depth: 15.0KM
Lat: 15.33°N **Lon:** 119.68°E

[Detail...](#)

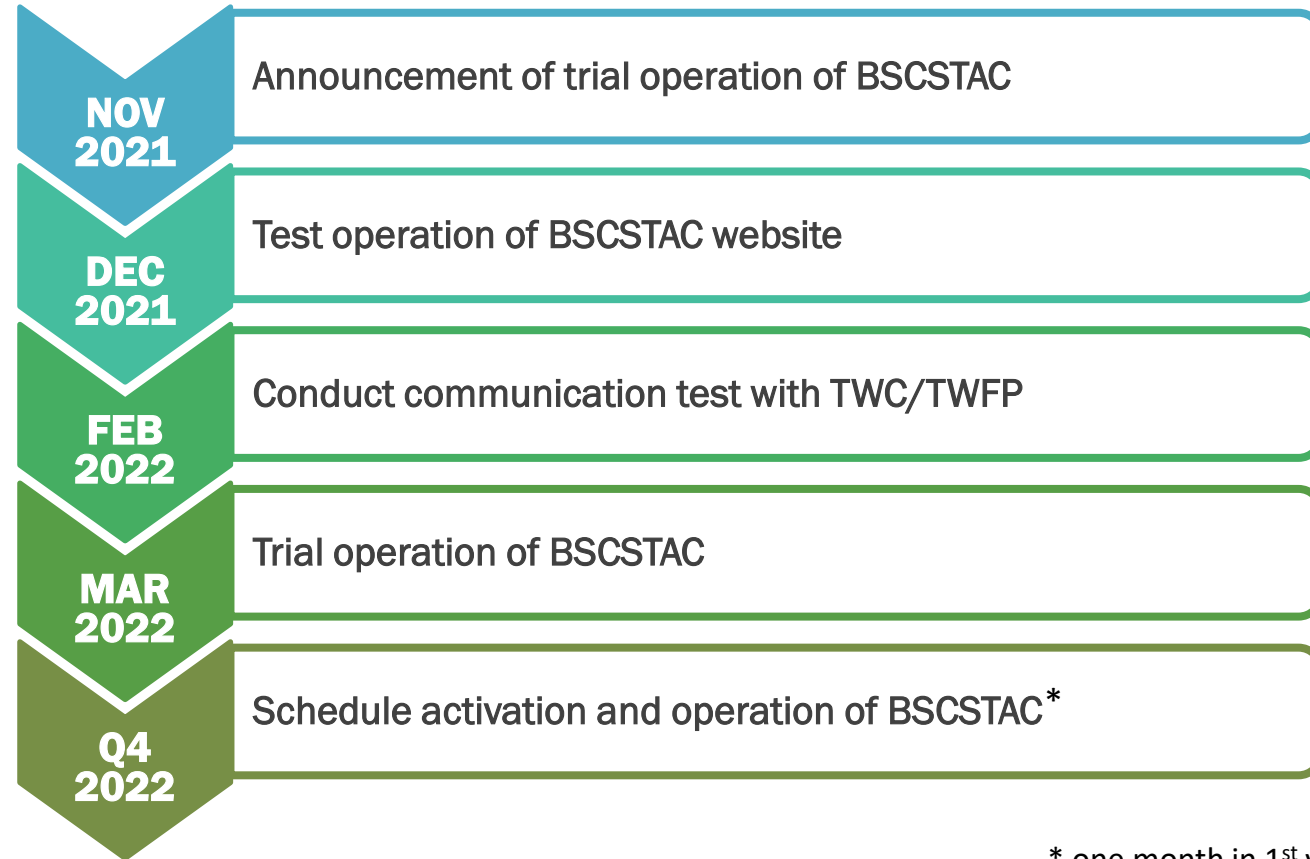
• Events List [more+](#)

No	Mag	Origin (UTC)	Depth (km)	Lon (°)	Lat (°)	Location	Message
1	7.7	2021-07-21 01:00:00	15.0	119.68°E	15.33°N	LUZON, PHILIPPINES	Detail..
2	6.7	2021-07-21 00:00:00	15.0	119.68°E	15.23°N	LUZON, PHILIPPINES	Detail..
3	6.1	2021-07-10 00:43:00	70.0	126.78°E	3.19°N	TALAUD ISLANDS, INDONESIA	Detail..
4	6.2	2021-06-03 10:09:00	15.0	126.33°E	0.40°N	NORTHERN MOLUCCA SEA	Detail..
5	6.1	2021-04-18 14:14:00	5.0	121.57°E	23.80°N	TAIWAN REGION	Detail..
6	6.2	2021-04-10 09:30:00	314.0	124.77°E	4.19°N	TALAUD ISLANDS, INDONESIA	Detail..
7	6.0	2021-02-07 04:22:00	20.0	125.26°E	6.84°N	MINDANAO, PHILIPPINES	Detail..
8	6.5	2020-12-24 23:43:00	90.0	120.52°E	13.92°N	LUZON, PHILIPPINES	Detail..
9	6.4	2020-12-15 23:22:00	15.0	125.51°E	5.28°N	MINDANAO, PHILIPPINES	Detail..
10	6.4	2020-09-06 15:23:00	98.2	125.97°E	6.36°N	MINDANAO, PHILIPPINES	Detail..

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- Historical Events

Implementation Programme



* one month in 1st year

Succession Plan for WG-SCS

- S.T. Chan has already served for two terms as Chair of WG-SCS
- Member States have been invited to submit nominations for the post of Chair and Vice-Chair of the Working Group
- The election will be discussed at the WG-SCS-X to be held online on 28 & 30 Sep 2021

Questions?