



unesco

Intergovernmental
Oceanographic
Commission

13th meeting of the ICG/PTWS Regional Working Group on Tsunami Warning and
Mitigation System in the South China Sea Region (ICG/PTWS WG-SCS),
Beijing (on line), 18 & 19 November 2025



WG-SCS Member States International Staff Short-term Secondment Programme

Presenter: Tingting FAN

South China Sea Tsunami Advisory Center



CONTENTS

01

Programme Background

02

Implementation Review

03

Annual Review

04

Summary

Programme Background

- ICG/PTWS-WG-SCS-VII 2018 in Hanoi, Vietnam

Task Team proposed a Short-term International Staff Programme, that is, SCSTAC host short-term secondment of international staff every year from the WG-SCS Member States with travel and local expenses covered by SCSTAC.

- Major activities undertaken by international staff are:
 - 1) Receive training on the earthquake location and focal mechanism inversion, tsunami scenario database, forecast model and decision support system of the SCSTAC;
 - 2) Serve as a back-up watch-stander once a week with a shift time of 12 hours in the daytime;
 - 3) Participate in communication test and coordination among WG-SCS Member States regarding activities related to the operation of SCSTAC;
 - 4) Conduct academic and technical seminars on topics related to tsunamis induced by seismic and non-seismic sources .

Implementation Highlights

- International Staff in 2018

Two international staff from the PHIVOLCS (the Philippines) and BMKG (Indonesia) were accepted by SCSTAC and appointed to the Center from 22 October to 21 December, 2018.

- International Staff in 2019

Three international staff from the MMD (Malaysia), PHIVOLCS & IG (Vietnam) came to SCSTAC from 17 September to 15 November.

- ISP has been temporarily suspended between 2020 and 2022 due to the COVID-19.

- International Staff in 2023

Secondment of 4 short-term international staff from the MMD, PHIVOLCS & BMKG to SCSTAC was organized during 10 October to 10 December.

- International Staff in 2024

Three international staff from the MMD, PHIVOLCS & BMKG came to SCSTAC from 20 July to 20 September.

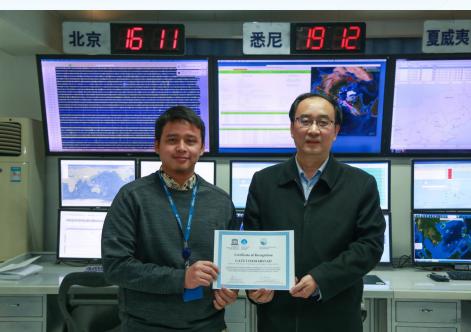
- International Staff in 2025

Four international staff from the MMD, PHIVOLCS & BMKG appointed to SCSTAC from 20 October to 19 December.

Annual Review - Programme in 2018

Ms Gail Rivera (PHIVOLCS, the Philippines) and Mr Gatut Daniarsyad (BMKG, Indonesia) participated in the programme following the acceptance of their candidatures submitted in response to Circular Letter 2724, during a period of SCSTAC trial operation from 22 October to 21 December 2018.

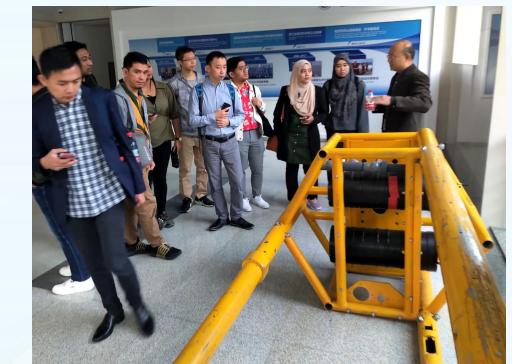
- Discussed operational Standard Operating Procedures (SOPs) and Decision Support Systems of SCSTAC
- Shared tsunami warning practices and experiences with SCSTAC colleagues
- Analyzed the M7.5 Palu, Indonesia Earthquake and Tsunami (2018), focusing on detection methods, warning systems, and focal mechanisms
- Conducted a field visit to investigate the operation of seismic and sea level stations at a marine observation facility



Annual Review - Programme in 2019

Mr Mohd Nashriq Abd Rahman (MMD, Malaysia), Mr Nguyen Thanh Hai (IGP, Viet Nam) and Mr Dandy Navarro Camero (PHIVOLCS, the Philippines). participated in the programme following the acceptance of their candidatures submitted in response to Circular Letter 2766, from 17 September to 15 November 2019.

- Exchanged knowledge on tsunami warning method
- Discussed W-Phase method and its application in focal mechanism inversion analysis
- Attended special training on seismic and sea level monitoring in Hangzhou (October 21-25)
- Conducted site visits to China Earthquake Network Center and Marine Monitoring and Forecasting Center of Zhejiang Province



Annual Review - Programme in 2023

Ms. Nadira Binti Janius (MMD, Malaysia), Mr. Muhammad Hafizh Ghifar (BMKG, Indonesia) , Mr. Fakhry Dwi Sulistio (BMKG, Indonesia) and Mr. Tom Carlo Simborio (PHIVOLCS, the Philippines) participated in the programme following the acceptance of their candidatures submitted in response to Circular Letter, from 10 October to 10 December 2023.

- Shared practices in tsunami warning SOP
- Coordinated communication with South China Sea neighboring countries
- Studied tsunami monitoring systems and inundation modeling calculations
- Conducted a technical visit to the China Earthquake Network Center



Annual Review - Programme in 2024

Mr. Yip Weng Sang (MMD, Malaysia), Mr. Obie Restianto (BMKG, Indonesia) and Mr. Bhenz Rodriguez (PHIVOLCS, the Philippines) participated in the programme following the acceptance of their candidatures submitted in response to Circular Letter 2991, from 20 July to 20 September 2024.

- Participated in operational tsunami warning duties at SCSTAC
- Engaged in technical exchanges focusing on Tsunami warning systems, Earthquake analysis methods, Tsunami simulation techniques
- Attended special training on seismic and sea-level monitoring in Qinhuangdao (September 10-11, 2024)
- Conducted a technical visit to the China Earthquake Network Center



Progress and Schedule This Year

Ms. Nur Faizah Mohamad (MMD, Malaysia), Mr. Arif Nurokhim, Mr. Abdul Rosid (BMKG, Indonesia) and Mr. Jun Bonita (PHIVOLCS, the Philippines) participated in the programme following the acceptance of their candidatures submitted in response to Circular Letter 3048, from 20 October to 19 December 2025.

- Discussed non-seismic tsunami, tsunami hazard mitigation and Tsunami Ready overall status and operational development potential in the SCS region
- Collaborative group is formed by the international staffs, and delivered presentations regarding the tsunami hazard assessment by considering various data and tsunami simulation database for warning
- Conducted a visit to the China Earthquake Network Center
- Based on the Tsunami Ready pilot areas, a field visit will be undertaken to relevant coastal area
- Additional seminar is scheduled for the end of the month. International staff will reconvene in collaborative groups to deliver presentations focusing on the Tsunami Ready status of their respective countries and their areas of professional expertise



Local Arrangement and Funding

- Accommodation

Staff accommodation is provided, with each individual allocated a 20-square-meter unit located within the NMEFC compound, its a 5-min walk from accommodation to the NMEFC main office building

- Office Site

Office room close to the NMEFC tsunami staff main office which located on the 10th floor of the main building, all duty shifts are carried out at the tsunami operational platform located in the new building

- Funding

6,000-10,000 RMB per month depending on the level of candidates

- Airport Transportation

The round-trip international airport transfers are provided by NMEFC

Summary of Programme

- Establish an effective bridge in communication, data sharing and coordination among WG-SCS Member States regarding activities related to the operations of SCSTAC
- Share the experience of tsunami warnings and emergency responses in the historical significant events as well as the corresponding SOP adopted
- Strengthen bilateral and multilateral cooperation upon seismic and non-seismic sources and tsunamis including monitoring, technical application, operation and scientific research



unesco

Intergovernmental
Oceanographic
Commission

13th meeting of the ICG/PTWS Regional Working Group on Tsunami Warning and
Mitigation System in the South China Sea Region (ICG/PTWS WG-SCS),
Beijing (on line), 18 & 19 November 2025



Thank You for Listening

