



Eleventh meeting of the ICG/PTWS Regional Working Group on Tsunami Warning and Mitigation System in the South China Sea Region (ICG/PTWS WG-SCS),
Guangzhou, 25 & 27 September 2023

Short-term International Staff from WG-SCS Member States to the SCSTAC

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Three aspects:

I. Programme History

II. Progress this year

III. Summary

Beginning of the programme

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

Task Team proposed a Short-term International Staff Programme, that is, SCSTAC host one short-term international staff per 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 and 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) Partipate in communication test and coordination among WG-SCS Member States regarding activities related to the operation of SCSTAC;
- 4) Academic and technical seminar about earthquake and tsunami warning

Implementation Review

- Two international staff, one each from the Philippine Institute of Volcanology and Seismology (PHIVOLCS) and BMKG were accepted by SCSTAC and attached to the Center from 22 October– 21 December **2018**.
- ICG/PTWS-WG-SCS-VIII 2019 in Jarcata, Vietnam

Dr Dakui Wang (NMEFC) reported that the training would be continued during 2019, with the travel and local expenses covered by SCSTAC. And WG-SCS requests the IOC to make the announcement to all Member States TNCs and NTWCs of WG-SCS regarding the matter

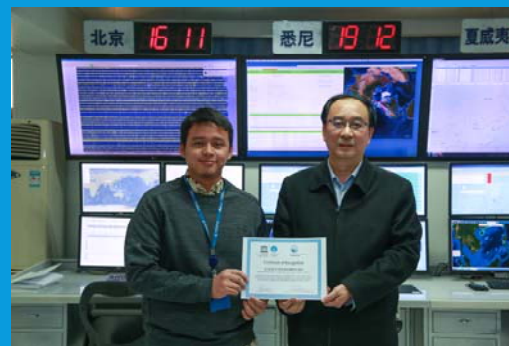
- Secondment of 3 short-term international staff from Malaysia, the Philippines & Vietnam to SCSTAC was organized during 16 September – 15 November **2019**.
- The Programme was proposed due to the break of the COVID-19 in **2020**
- ICG/PTWS-WG-SCS-V **2021** on-line

Welcomes SCSTAC's proposal to continue with the International Staff Programme to host 2 or 3 experts from the WG-SCS Member States in **2022** subject to the condition of the Covid-19 pandemic

Programme in 2018

Ms Gail Rivera (PHIVOLCS, 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.

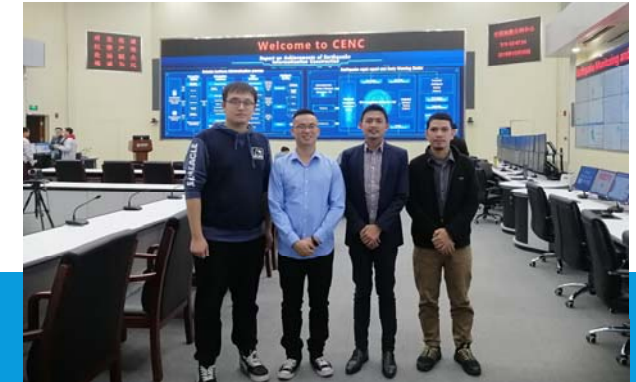
- They learned operation SOPs and end-to-end tsunami warning system of SCSTAC
- They communicated with SCSTAC colleagues with the tsunami warning SOPs of their countries
- The M7.5 Palu, Indonesia Earthquake and Tsunami was discussed from the aspects of detecting, warning and mechanism
- A field visit to investigate the operation of seismic and sea-level stations in a marine station



Programme in 2019

Mr Mohd Nashriq Abd Rahman (MMD, Malaysia), Mr Nguyen Thanh Hai (IG, Viet Nam) and Mr Dandy Navarro Camero (PHIVOLCS, 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.

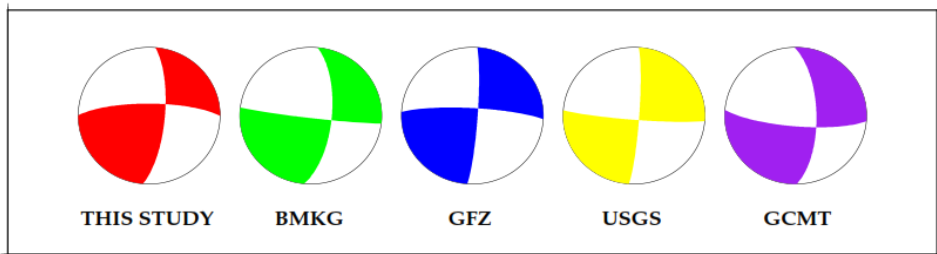
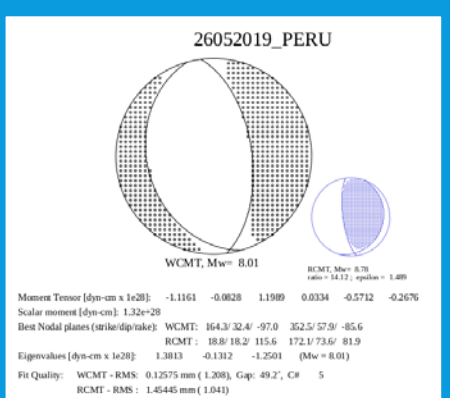
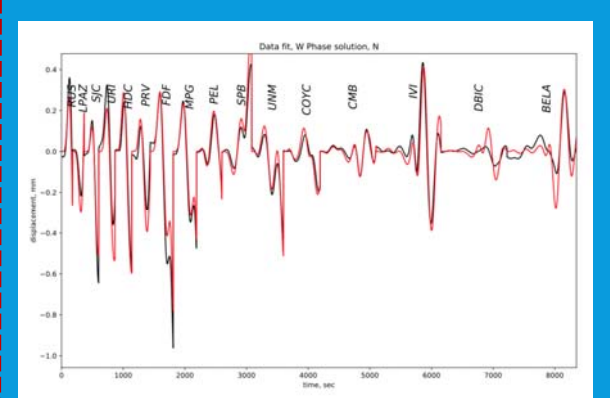
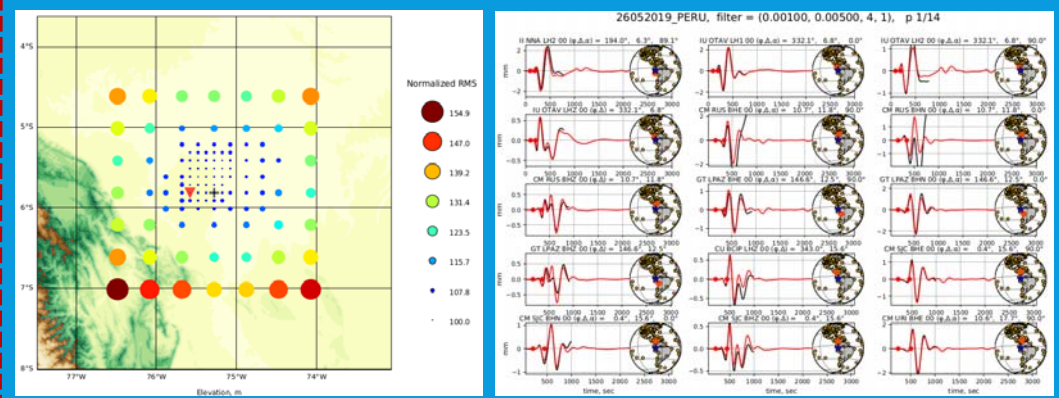
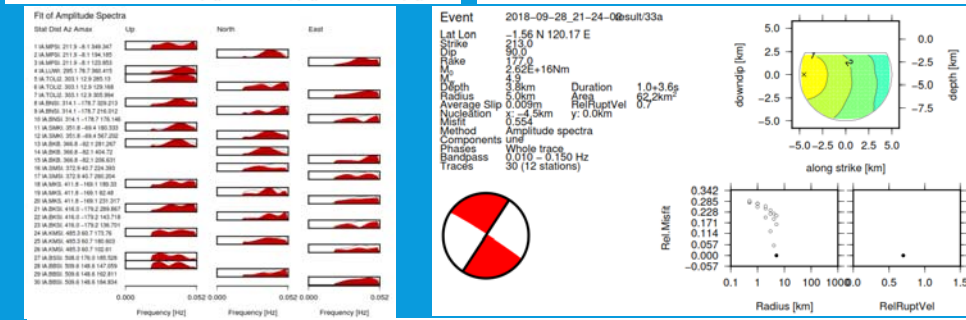
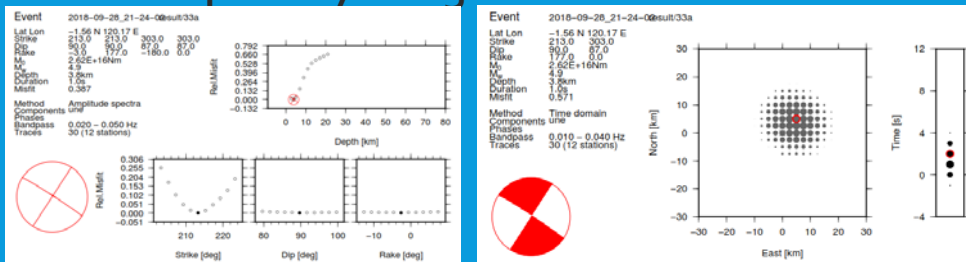
- Learn operation SOPs and end-to-end tsunami warning system of SCSTAC
- Communicate their tsunami warning SOPs
- W-Phase method and application for earthquake mechanism inversion was communicated
- Take high-speed railways to attend the seismic and sea level training in Hangzhou, 21-25 October
- Visit to China Earthquake Network Center, Institute of Oceanography, and Marine monitoring and forecasting center of Zhejiang



Ideal Opportunity to do research

Mr. Gatut Daniarsyad from BMKG and Ms. Gail Rivera from PHIVOLCS did the mechanism research of M7.5 Palu earthquake by using KIWI Tools

Nashriq Rahman from Malaysian Meteorological Department use Wphase package to invert the focal mechanism of M7.9 Peru Earthquake 26th May 2019



II. Progress this year

- IOC Circular Letter No 2949, 5 June 2023

In this context, we are pleased to invite WG-SCS Member State to nominate one candidate to work at SCSTAC as an international staff from 18 September to 17 November 2023. The date could be slightly adjusted according to the availability of candidates.

- Nomination from WG-SCS Member States

Ms. Nadira Binti Janius from MMD of Malaysia

Mr. Tom Carlo E. Simborio from PHIVOLCS of the Philippines

Mr. Fakhry Dwi Sulistio and Mr. Muhammad Hafizh Ghifari from BMKG of Indonesia

- Acceptance after careful consideration

All 4 nominees were accepted considering the enthusiasm to this programme and regrettable suspension of 3 years due to the COVID-19 pandemic. The secondment will start on **10 October** and end on **10 December 2023**.

Local arrangement

- Accommodation
A single room of ~ **20 square meters** in the neighborhood unit of NMEFC courtyard
- Office site
A room at 10th floor of the main building, 20 steps to the operation platform
- Funding
6,000-10,000 RMB per month depending on the level of candidates

Summary of the programme

- Establish a good channel of direct communication for tsunami operation colleagues of WG-SCS MS
- Contribute to accelerating tsunami detection by sharing local sea level observations, messages from NTWC and social media
- Strengthen bilateral and multilateral cooperation upon earthquake and tsunami operation and scientific research



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THANK YOU FOR YOUR ATTENTION!