IOC Circular Letter No 2993 Rev.
(Available only in English)

IOC/VH/ON/ah
19 April 2024

To : ICG/PTWS Tsunami National Contacts (TNC) and Tsunami Warning Focal Points (TWFP) for China, Indonesia, Malaysia, Philippines, Singapore, Thailand, Viet Nam and relevant authorities in Brunei Darussalam and Cambodia

C.c. : Official National Coordinating Bodies for liaison with the IOC in China, Indonesia, Malaysia, Philippines, Singapore, Thailand, Viet Nam
Permanent Delegate/Observer Mission to UNESCO and National Commission for UNESCO of Brunei Darussalam, Cambodia, China, Indonesia, Malaysia, Philippines, Singapore, Thailand, Viet Nam
UNESCO Offices in Bangkok, Beijing, Hanoi, and Jakarta
Pacific Tsunami Warning Center (PTWC)
North West Pacific Tsunami Advisory Center (NWPTAC)
International Tsunami Information Center (ITIC)
Permanent Observers to ICG/PTWS
IOC Officers and ICG/PTWS Officers

Subject: **Invitation to online training for seismic and tsunami warning operators in the South China Sea region on theories, applications and operations of tsunami numerical models, 22 May 2024, Zhenjiang, China**

At its 11th session (Guangzhou, 25–26 September 2023), the Intergovernmental Coordinating Group for Pacific Tsunami Warning System (ICG/PTWS) Regional Working Group on Tsunami Warning and Mitigation System for the South China Sea Region (WG-SCS) agreed to conduct an online Training Workshop on Tsunami Warning Technology and Platforms in late 2023 or early 2024, at the kind invitation of SCSTAC/NMEFC.

In this context, we are pleased to invite WG-SCS Member States to nominate candidates to participate in the SCSTAC/NMEFC online training for seismic and tsunami warning operators in the South China Sea region on theories, applications and operations of tsunami numerical models, 22 May 2024, Zhenjiang, China.

This training mainly involves the application and operation of commonly used numerical models, such as COMCOT, FUNWAVE and GeoClaw for tsunami early warning, including theoretical introduction, model application and case studies, practical exercises, etc. At the same time, trainees

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will receive on-machine operation training and tabletop exercises. In order to achieve better learning results, it is recommended to use computer with Linux system.

The training is being organized by the South China Sea Tsunami Advisory Center (SCSTAC) in collaboration with the IOC, and hosted by the National Marine Environmental Forecasting Center (NMEFC) of the Ministry of Natural Resources (MNR) of China.

Nominations should be endorsed by and submitted through the country's Tsunami National Contact (TNC) or Tsunami Warning Focal Point (TWFP).

Please forward the attached form duly completed by each nominee, along with a CV, by email to Dr Öcal Necmioglu (o.necmioglu@unesco.org), ICG/PTWS Technical Secretary, with copy to Ms Huaiwei Yang (yanghw@nmefc.cn), at NMEFC/MNR by 15 May 2024. Successful candidates will be notified by 17 May 2024 at the latest.

Yours sincerely,

[signed]

Vidar Helgesen
Executive Secretary

Enclosures (2):   1/ Application Form
                     2/ Provisional Agenda

UNESCO/IOC

SCSTAC/NMEFC online training for seismic and tsunami warning operators in the South China Sea region on theories, applications, and operations of tsunami numerical models

22 May 2024, China

APPLICATION FORM

Please type or write in BLOCK letters in English
Please return by email before 15 May 2024 to
o.necmioglu@unesco.org
yanghw@nmefc.cn

1. PERSONAL INFORMATION

NAME	
TITLE	☐ DR. ☐ PROF. ☐ MR. ☐ MS. ☐ others _____
SEX	☐ MALE ☐ FEMALE
NATIONALITY	
HOME ADDRESS	
TELEPHONE NUMBER	
FAX NUMBER	
EMAIL ADDRESS	

2. PROFESSIONAL BACKGROUND

OFFICE/ ORGANIZATION	
POSITION	
ADDRESS	
TELEPHONE NUMBER	
FAX NUMBER	
EMAIL ADDRESS	

3. EDUCATIONAL BACKGROUND

LEVEL	SCHOOL	DEGREE	YEAR GRADUATED
COLLEGE			
MASTER			
DOCTORAL			
POST DOCTORAL			

4. SEISMIC OR TSUNAMI WARNING-RELATED TRAININGS ATTENDED

TITLE OR SUBJECT	CONDUCTED BY	DATES

5. OTHER

ENGLISH LANGUAGE PROFICIENCY	☐ Excellent	☐ Fair
	☐ Good	☐ Poor

Statement of Interest:
Why are you interested in attending this Training?

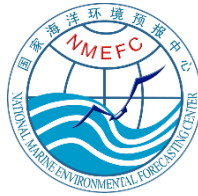After the Training, where and how will the experience gained in the Training will be used?

Please also submit separately your Curriculum Vitae (CV).

_____
PRINTED NAME OR SIGNATURE

_____
ENDORSEMENT TNC/TWFP (NAME AND SIGNATURE OR STAMP)

DATE: _____

UNESCO/IOC
SCSTAC/NMFEC online training for seismic and tsunami warning operators in the South China Sea region on theories, applications and operations of tsunami numerical models
22nd May 2024, Zhenjiang, China

PROVISIONAL AGENDA

Trainers

Dr. Xiaoming Wang, Institute of Geological and Nuclear Sciences, New Zealand, x.wang@gns.cri.nz

Dr. Zhiyuan Ren, School of Marine Science and Technology, Northwestern Polytechnical University, zhyren@foxmail.com
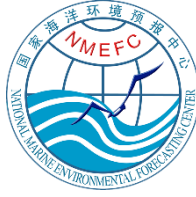
Dr. Huimin Jing, School of Mechanical Engineering and Mechanics, Ningbo University, jinghuimin@nbu.edu.cn

Dr. Shaozhuo Zhang, School of Marine Science and Technology, Northwestern Polytechnical University, 1690606455@qq.com

Ms. Huaiwei Yang, National Marine Environmental Forecasting Center, Ministry of Natural Resources of China, yanghw@nmefc.cn

Meeting Room Link:
https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZDQ5N2M1M2EtMzQ1My00ZTQ3LTg1OWEtMGFjMjczMzU0ZjVi%40thread.v2/0?context=%7b%22Tid%22%3a%2267d00b1b-50e7-45b2-9790-c909fdc67122%22%2c%22Oid%22%3a%227cce3fa7-a71e-4029-a655-b32572e79666%22%7d

UNESCO/IOC
SCSTAC/NMFEC online training for seismic and tsunami warning operators in the South China Sea region on theories, applications and operations of tsunami numerical models
22nd May 2024, Zhenjiang, China

PROVISIONAL AGENDA

22nd May – MORNING (Beijing Time, UTC+8 hours)		
08:30-09:00	1. Opening + Group Photo (30 min)	
	2. Training on COMCOT and FUNWAVE models	Trainer
09:00-09:40	2.1 Theory of COMCOT model (40 minutes)	Xiaoming Wang
09:40-10:50	2.2 Modeling and application of COMCOT model (70 minutes)	Xiaoming Wang
10:50-11:10	BREAK	
11:10-12:00	2.3 Modeling and application of FUNWAVE model (50 minutes)	Huaiwei Yang
12:00-14:00	LUNCH BREAK	
22nd May – AFTERNOON		
	3. Training on GeoClaw model	Trainer
14:00-14:50	3.1 Tsunami modelling with GeoClaw software——based on adaptively refined finite volume method (50 minutes)	Huimin Jing
14:50-16:00	3.2 Application of the nonlinear shallow water equation model (GeoClaw) in tsunami modeling and hazard assessment (70 minutes)	Zhiyuan Ren
16:00-16:20	BREAK	
16:20-17:00	3.3 Introduction and operation of GeoClaw model (40 minutes)	Shaozhuo Zhang
17:00-17:10	4. Concluding Remarks	Öcal Necmioglu