WEATHER CLIMATE WATER
TEMPS CLIMAT EAU

WMO OMM
World Meteorological Organization
Organisation météorologique mondiale
Organización Meteorológica Mundial
Всемирная метеорологическая организация
المنظمة العالمية للأرصاد الجوية
世界气象组织

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Notre réf.: 6775876/2026/CD/TRA/CRS-2226 19 août 2026

Annexes: 3 (disponibles en anglais seulement)

Objet: Atelier sur les services de prévision et d'alerte concernant les ondes de tempête et les tsunamis (Hong Kong, Chine, 2-4 décembre 2026)

Suite à donner: Pour information et mesures à prendre le **1er octobre 2026** au plus tard

Madame, Monsieur,

J'ai le plaisir de vous informer qu'à titre de contribution au Programme de coopération volontaire de l'Organisation météorologique mondiale (OMM), l'Observatoire de Hong Kong (HKO) organisera l'atelier susmentionné à Hong Kong, du 2 au 4 décembre 2026. Cet atelier permettra de présenter les dernières avancées en matière de systèmes de prévision des ondes de tempête et des tsunamis et de services d'alerte connexes ainsi que la conception optimale du réseau d'observation des tsunamis, l'utilisation des observations des tsunamis, les développements récents en matière de simulations par modèle de tsunamis non sismiques et l'utilisation du Protocole d'alerte commun pour la diffusion des alertes. Une brève description et le programme provisoire de l'atelier figurent dans les annexes I et III, respectivement.

Cet atelier a pour objectif de répondre aux besoins en matière de développement des capacités afin d'améliorer les services de prévision et d'alerte concernant les ondes de tempête et les tsunamis, dans le but de renforcer la résilience face aux aléas multiples dans les zones côtières et de soutenir les activités de préparation aux situations d'urgence et de secours, conformément à l'Initiative «Alertes précoces pour tous» (EW4All) des Nations Unies. Il favorisera également les échanges et la collaboration entre organismes nationaux s'agissant des progrès technologiques, de la gestion des catastrophes et des services d'alerte précoce.

Consciente de la pertinence d'un tel atelier au regard du mandat de la Commission océanographique intergouvernementale (COI) de l'Organisation des Nations Unies pour l'éducation, la science et la culture (UNESCO) dans le domaine des services de prévision et d'alerte concernant les tsunamis, l'OMM organise ledit atelier conjointement avec le HKO et la COI. La promotion de cet atelier sera assurée auprès des membres du Groupe intergouvernemental de coordination du Système d'alerte aux tsunamis et de mitigation dans le Pacifique (GIC/PTWS).

L'atelier se tiendra sous l'égide du Centre de formation météorologique pour les pays participant à l'initiative «Une Ceinture et une Route». La participation est ouverte aux Membres de l'OMM et du GIC/PTWS, y compris les pays de l'initiative «Une Ceinture et une Route». La priorité sera accordée aux candidats éligibles issus des Régions II et V, en particulier les Membres de la mer de Chine méridionale et du Pacifique. Les candidatures d'autres Régions pourront également être prises en compte, dans la limite des places disponibles. Des informations sur l'atelier seront publiées dans le calendrier des événements de formation de l'initiative du Campus mondial de l'OMM.

Aux: Représentants permanents des Membres de l'OMM

cc: Conseillers en hydrologie

Cet atelier se déroulera en anglais de façon hybride. L'atelier pourra accueillir jusqu'à 25 participants en présentiel, tandis que des participants supplémentaires pourront suivre les séances théoriques en ligne. Le HKO est disposé à prendre en charge les frais d'inscription des participants. Les billets d'avion, l'hébergement et/ou les indemnités journalières des participants de certains Membres seront pris en charge sur demande. De plus amples détails, notamment les conditions de participation et les procédures d'inscription, figurent dans les annexes I et II. Les candidats intéressés sont priés d'envoyer le formulaire de désignation dûment rempli au HKO dès que possible et au plus tard le **1er octobre 2026**.

Le Secrétariat de l'OMM vous saurait gré de bien vouloir communiquer cette offre de formation aux candidats intéressés de votre Service et de faciliter le processus de désignation.

Pour de plus amples informations, veuillez prendre contact avec Mme Joanne Yuk Hing CHAN, Cheffe de l'Unité expérimentale du HKO, à Hong Kong (courriel: yhchan@hko.gov.hk, fax: + 852 2375 2645).

Veuillez agréer, Madame, Monsieur, l'expression de ma considération distinguée.

Celeste Saulo
Secrétaire générale

WMO Voluntary Cooperation Programme and Intergovernmental Oceanographic Commission/Intergovernmental Coordination Group for the Pacific Tsunami Warning and Mitigation System Workshop on Storm Surge and Tsunami Forecasting and Alert Services

Hong Kong, China

2–4 December 2026

Objectives

To address the capacity development needs for enhancing storm surge and tsunami forecasting and alert services to strengthen coastal multi-hazard resilience and support emergency preparedness and response, as well as to promote exchanges and collaboration between national agencies in technological advancement, disaster management and early warning service.

Contents

i. Introduction to latest developments in storm surge and tsunami forecasting systems
ii. Global storm surge forecast products and tsunami advisory products
iii. Optimal design of tsunami observation network and use of tsunami observations in forecasting and early warning
iv. Recent developments in model simulations of non-seismic tsunamis
v. Tools for strengthening of coastal hazard risk governance
vi. Use of Common Alerting Protocol (CAP) in local/regional warning dissemination and global sharing on WMO Severe Weather Information Centre 3.0
vii. Sharing of experience among the participants
viii. Hands-on session on model simulation of a storm surge case or a tsunami case upon selection by the participants

Lecturers

Storm surge and tsunami experts from international organization, meteorological services and institutions

Medium of instruction

English

Course local organizer

Hong Kong Observatory

Course dates

2 to 4 December 2026 (Wednesday – Friday)

Course venue

Tsim Sha Tsui, Hong Kong, China

Deadline for application

The completed nomination form should be returned to HKO:
Ms CHAN Yuk Hing, Joanne, Chief Experimental Officer, Hong Kong Observatory, Hong Kong, China (Email: yhchan@hko.gov.hk, Fax: (852) 2375 2645) by **1 October 2026**.

Places offered

In-person attendance: Approximately 25 participants. Preference will be given to qualified applicants from Regional Association II and V, particularly those from the South China Sea and Pacific regions.

Applicants who cannot be accommodated for in-person attendance will be offered the opportunity to participate online in the non-hands-on sessions of the workshop.

Qualification and requirements of participants

- Participants are required to be proficient in English
- Participants should have experience in storm surge and/or tsunami forecasting operations or product/service development
- Participants are expected to have a role in the development of storm surge or tsunami monitoring and/or forecasting tools in support of official forecast/warning service or related service delivery at present or in the future
- Participants are required to provide the course organizer with feedback on the workshop at the end of the course
- Participants are encouraged to actively maintain technical exchange and communication with the organizer and among themselves after the workshop

Course delivery for online participants

Online participants are expected to attend the workshop in real time via video conferencing. A reliable internet connection is therefore required to ensure smooth audio and video streaming.

Please note that online participants will not be able to take part in the hands-on practical sessions, which are reserved for in-person attendees.

Financial support

- Tuition fees will be covered. Hotel accommodation and per diem expenses will be covered upon request.
- The costs of air passage and related insurance costs between Hong Kong, China and the hometown of participants will have to be borne by the Member of the participant. In the event any Member is unable to meet the air passage costs, the course organizer is prepared to offer a limited number of air passages for those in need, on a case-by-case basis.

Insurance

The course organizer does not hold any responsibility for compensation in the event of death, illness, injury or loss of property during the course period. The same applies to the duration of passage in the event the course organizer provides the air passages. Participants are therefore fully responsible for arranging life, health, and other forms of insurance as appropriate and necessary.

Enquiries

Ms CHAN Yuk Hing, Joanne,
Chief Experimental Officer, Hong Kong Observatory, Hong Kong, China.
E-mail: yhchan@hko.gov.hk, Fax: (852) 2375 2645, Tel: (852) 2926 8259.

WORLD METEOROLOGICAL ORGANIZATION

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PARTICIPANTS NOMINATION FORM

WMO VOLUNTARY COOPERATION PROGRAMME AND INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION INTERGOVERNMENTAL COORDINATION GROUP FOR THE PACIFIC TSUNAMI WARNING AND MITIGATION SYSTEM

WORKSHOP ON STORM SURGE AND TSUNAMI FORECASTING AND ALERT SERVICES

(Hong Kong, China, 2–4 December 2026)

The Government of .....

nominates the following candidate as a participant of the above workshop.

1. Family name (in capitals): .....

2. First name (in capitals): .....

3. Address: .....

.....

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Tel: ..... Fax: .....

E-mail: .....

4. Date of birth: ..... Male ☐ Female ☐

Nationality: .....

5. Qualifications (certificates, diplomas or degrees):

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6. Present position and brief description of duties:

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7. What roles or tasks will your participant be required to undertake after this workshop to enable your service to make the most of the opportunity to develop new knowledge and skills?

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8. Working language: .....

(Note: For applicants whose working language is not English, this nomination form must be accompanied by English proficiency certification.)

9. Contact person in emergency:

Name: .....

Address: .....

.....

Tel: ..... Fax: .....

E-mail: .....

10. (a) Financial assistance for hotel accommodation and per diem allowance required: Yes ☐ No ☐

(b) Financial assistance for air passage required: Yes ☐ No ☐

(c) Willingness to participate online if physical attendance could not be accommodated: Yes ☐ No ☐

11. I fully understand that the organizer does not hold any responsibility for compensation in the event of death, illness, injury or loss of property during the period of the workshop, and also the duration of air passage if provided.

Permanent Representative : ..... (Signature)

..... (Block letters)

Date: .....

To be completed and sent to reach the following address **as soon as possible, and no later than 1 October 2026.** Acceptance of nominations will be confirmed by the host **by late October 2026**.

Director of the Hong Kong Observatory
(Attn: Ms CHAN Yuk Hing, Joanne, Chief Experimental Officer)
134A, Nathan Road
Hong Kong, China
Tel: +852 2926 8259 Fax: +852 2375 2645
E-mail: yhchan@hko.gov.hk

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WMO VCP and IOC ICG/PTWS Workshop on Storm Surge and Tsunami Forecasting and Alert Services
Hong Kong Observatory (HKO), 2–4 December 2026

Tentative Programme

HKT	**2 December (Wed)**	**3 December (Thu)**	**4 December (Fri)**
09:15 – 10:30	Opening and Group Photo Tour to HKO's meteorological facilities	HKO's Operational Storm Surge Forecast and Alert Service	Recent Development in Numerical Simulations of Tsunamis Generated by Volcanoes and Submarine Landslides
10:45 – 11:15		Experience Sharing	Experience Sharing
11:15 – 12:30	Latest Development in Tsunami Forecasting and Advisory Service	Optimal Design of Tsunami Observation network for Near-Field Tsunami Early Warnings	Use of Common Alerting Protocol (CAP) in Warning Dissemination and Overview of WMO Severe Weather Information Centre 3.0
12:30 – 14:00	Lunch		
14:00 – 14:30	Experience Sharing	Experience Sharing	Experience Sharing
14:30 – 15:45	WMO Storm Surge Watch Scheme (SSWS) and Latest Development in Storm Surge Forecasting	Tsunami Source Inversion and Data Assimilation for Tsunami Forecasting and Early Warning	***Hands-on session***: i. Storm surge simulations of Super Typhoon Ragasa in 2025 using COMCOT; or ii. Numerical simulations of tsunamis generated by Tonga Volcanic Eruption in 2022 using COMCOT
16:00 – 17:15	Global Storm Surge and Tsunami Forecasting System in China	Strengthening Coastal Hazard Risk Governance through Inundation Mapping and Multi-Hazard Evacuation Planning	Concluding Remarks Closing and Presentation of Certificates

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