

ESCAP/WMO Typhoon Committee 20th INTEGRATED WORKSHOP/ HIGH LEVEL FORUM

**“Shaping the Future: Applying Innovation to Actions Addressing
Typhoon Challenges and Opportunities”
&
“Closing Gaps and Creating Opportunities Together: Developing
the Typhoon Committee’s Future Strategy”**

02 - 05 December 2025
Macao • China

TENTATIVE PROGRAMME

(Updated 10 November 2025)

DAY 1: TUESDAY, 02 DECEMBER 2025– Moderated by Typhoon Committee Secretariat (TCS)

MEETING ROOM: Chinnery Ballroom

09:00 - 09:30 Registration
09:30 - 09:50 Opening Ceremony – moderated by TCS

Opening Message

Mr. LEONG Weng Kun, Director of Meteorological and Geophysical Bureau (DSMG) of Macao, China and PR of Macao, China with WMO

Welcome Remarks

1. Representative, UN Economic and Social Commission for Asia and the Pacific (ESCAP)
2. Prof. Celeste SAULO, World Meteorological Organization (WMO) Secretary General (video)
3. Dr. Nathaniel SERVANDO, Chairperson of the ESCAP/WMO Typhoon Committee and PR of the Philippines with WMO Administrator, Department of Science and Technology – PAGASA
4. Dr. Yihong DUAN, Typhoon Committee Secretary, Typhoon Committee Secretariat (TCS)

Official Opening Declaration

Representative of the Government of the Macao Special Administrative Region – formally declare the High-Level Forum/20th IWS open

09:50 - 10:10 Group Photo and Coffee

- 10:10 -12:00 **HIGH LEVEL FORUM (PLENARY: WMO, ESCAP and PR's PANEL DISCUSSION)** – moderated by AWG
Topic: [Closing Gaps and Creating Opportunities Together: Developing the Typhoon Committee's Future Strategy](#)
- 10:10–10:20 UNESCAP presentation
- 10:20–10:30 WMO presentation
- 10:30–11:00 Seven PRs (Cambodia; Hong Kong, China; Lao PRD; Macao, China; Malaysia; Philippines; Thailand) provide comments
- 11:00–12:00 Seven PRs provide prepared answers to questions shared prior to the session
- 12:00–12:30 Experts provide their perspectives:
WGM - Mr.ZHOU Kanghui
WGH - Dr. Bruno ADRIANO
WGDRR – Dr. Ruben VESCOVO
TRCG - Dr Munehiko YAMAGUCHI
- 12:30 – 14:00 Lunch
- 14:00 – 15:00 **HIGH LEVEL FORUM (PLENARY)** – moderated by AWG
Topic: [Kick-start of the Typhoon Committee Strategic Plan 2027-2031](#) - presented by leading Member of Strategic Plan (China)
- 15:00 - 15:20 Coffee Break
- 15:20 – 16:10 **HIGH LEVEL FORUM (PLENARY) & SIGNING JOINT STATEMENT CEREMONY** – moderated by SMG
Topic: [Joint Statement-Continue to achieve the vision and mission of the Typhoon Committee of reducing the loss of lives and economic losses caused by tropical cyclone disasters](#)
- 16:10 – 17:45 Opening Ceremony of TCS New Office and 20th IWS Photo Exhibition (TBC)
- [End of DAY 1](#)
- 18:45 Welcome Dinner offered by DSMG

DAY 2: WEDNESDAY, 03 December 2025 – Moderated by AWG Chairs

MEETING ROOM: Chinnery Ballroom

09:00-12:00 **20TH IWS - TECHNICAL PRESENTATIONS (PLENARY)** on the 20th IWS theme – moderated by AWG Chair
(**20 minutes** for each presentation)

1. **Application of Probability Matrices in Tropical Cyclone Warnings in Macao** - Mr. HO Kuok Hou, SMG
2. **Strengthening Resilience: Integrating Early Warning Systems and Impact-Based Forecasting for Enhanced Typhoon Preparedness** – Dr NG Yin-lam, Danice, Scientific Officer, HKO
3. **Enhancing Early Response to Extreme Weather with AI and Direct Alert Systems at KMA** - Ms. Seonghee Won, KMA, Republic of Korea

10:00-10:20 Coffee Break

4. **The Evaluation of Effect of Fengqing Model for Typhoon Prediction in 2025** - Dr LU Qifeng, CMA, China
5. **Operational numerical prediction, GNSS-IR observation, and post-hazard survey on storm surge flooding in Macao under Super Typhoon Ragasa** - Dr. SHI Huabin, State Key Laboratory of Internet of Things for Smart City, University of Macau
6. **JMA/MRI's 2025 Aircraft Observation: From High-Altitude Environment to Typhoon Inner Core** - Dr. Takuya TAKAHASHI, Senior Researcher, Meteorological Research Institute, JMA
7. **Retrieval of Tropical Cyclone Inner-core Size from Geostationary Satellite Infrared Imagery** - Dr ZHUGE Xiaoyong, CMA, China

Q&A

12:00-13:30 Lunch

13:30-17:30 **20TH IWS - TECHNICAL PRESENTATIONS (PLENARY)** on the 20th IWS theme – moderated by AWG Chair
(**20 minutes** for each presentation)

8. **Annual Operating Plan 13: Promoting Technical Exchange of AI Applications in Tropical Cyclone Analysis and Forecasting** – Mr. He Yuheng, HKO and Dr. Munehiko YAMAGUCHI, JMA

9. **Storm Surge Warning Services in Macao** - Mr. WONG Man Chi, SMG, Macau

10. **Shaping the Future of Inundation Preparedness: The RAIN-X Series** - Ms. Hyejin MOON, Senior Researcher / National Disaster Management Research Institute (NDMI), Republic of Korea

11. **Impacts and Prediction of Post-Landfall Typhoon Remnant Vortices** - Dr XIANG Chunyi, CMA, China

15:00-15:20 Coffee Break

12. **A Hybrid Model of CMA-TRAMS and Pangu-Weather: Framework and Application** - Dr ZHANG Xubin, CMA, China

13. **2024 Flood Prevention Practices and Reflections in the Huai he River Basin** – Ms.SU Cui, WGH, China

14. **Progress of AOP11 in 2025** - Dr HUANG Xin, CMA, China

Q&A

End of DAY 2

DAY 3: THURSDAY, 04 December 2025 – Moderated by AWG Chairs

MEETING ROOM: Chinnery Ballroom

PARALLEL SESSION ROOMS: **PLENARY/WGM:** Chinnery Ballroom; **WGH:** TBC; **WGDRR:** TBC

09:00-12:00 **PARALLEL SESSION** - WGM, WGH and WGDRR: **WGs' Activities**
(the programs of WGs' meeting will be provided by WGs)

10:00-10:20 Coffee Break

12:00-13:30 Lunch

13:30-19:00 Technical Visit –

End of DAY 3

19:00 Farewell Dinner offered by TCS

DAY 4: FRIDAY, 05 December 2025 – Moderated by AWG Chairs

PARALLEL SESSION ROOMS: PLENARY/WGM: Chinnery Ballroom; **WGH:** TBC; **WGDRR:** TBC

MEETING ROOM: Chinnery Ballroom

09:00-12:00 **PARALLEL SESSION** - WGM, WGH and WGDRR: **WGs' Activities** (Cont'd)

10:00-10:20 Coffee Break

12:00-13:30 Lunch

13:30-15:00 **PLENARY SESSION** - Reports of the Working Groups – moderated by AWG Chair
(*WGM, WGH & WGDRR (20 minutes for each WG)*)

15:00-15:20 Coffee Break

15:20-16:40 Plenary discussion

16:40-17:00 Other Businesses

17:00-17:30 Closing by SMG

End of DAY 4