

**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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18 May 2026

Annexes: 2 (available in English only)

Subject: Rapporteur of the Eleventh WMO International Workshop on Tropical Cyclones in Shanghai, China, 16–20 November 2026

Action required: Notify the Secretariat of any objections on the selection of expert(s) from your Service to serve as a rapporteur, **by 31 May 2026**

Dear Sir/Madam,

The Eleventh International Workshop on Tropical Cyclones (IWTC-11) will take place in Shanghai, China, from 16 to 20 November 2026. The workshop is organized by the WMO World Weather Research Programme (WWRP) and the Tropical Cyclone Programme (TCP). It will be held primarily in person and offer a hybrid component.

IWTC-11 aims to provide a platform for researchers and forecasters to exchange current knowledge and emerging research on tropical cyclones, strengthen research-operations collaboration, and formulate actionable recommendations to address key gaps and opportunities, ultimately contributing to a more resilient society.

The workshop is divided into five topics, each led by two or three co-Leads ([Annex I](#)). In preparation for the workshop, the topic co-Leads have recommended inviting expert(s) from your Service, as listed in [Annex II](#), to serve as a rapporteur for specific sub-topics under these five topics. The expected roles of the rapporteurs are as follows:

- Establish working groups for the assigned subtopic, in consultation with topic co-Leads
- Coordinating contributions from working group members
- Compile a summary report with guidance of the topic co-Leads
- Present an overview of the subtopic report during the IWTC-11 session

In this regard, I would like to seek your concurrence on the availability of these expert(s) to serve in this capacity. I should be grateful if you could notify the WMO Secretariat ([acfontan@wmo.int](mailto:acfontan@wmo.int), [avazcaltabiano@wmo.int](mailto:avazcaltabiano@wmo.int), [ymochizuki@wmo.int](mailto:ymochizuki@wmo.int)) of any objections on the selection of expert(s) from your Service to serve as a rapporteur ([Annex II](#)), **preferably by 31 May 2026**.

Please note that this correspondence does not imply any commitment regarding financial support for in-person participation in IWTC-11. A formal invitation will be issued once the programme and logistical arrangements are finalized by mid-2026.

To: Permanent Representatives of Australia, China, Germany, Hong Kong China, India, Jamaica, Japan, Madagascar, Philippines, Solomon Islands, United Kingdom of Great Britain and Northern Ireland, United States of America, and Viet Nam with WMO (limited distribution)

Finally, I wish to express my sincere appreciation for your continued support of WMO activities and programmes.

Yours faithfully,

A handwritten signature in cursive script, appearing to read "Ko Barrett", with a long horizontal flourish extending to the right.

Ms Ko Barrett  
for the Secretary-General

## IWTC-11 TOPICS

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- Topic 1      **New technologies for TC observation and analyses****  
Topic co-Leads: Robert Rogers, Craig Earl-spurr
- Sub-topics:
- a) Emerging satellite sensors
  - b) Opportunities from airborne, seaborne, and ground-based observations
  - c) Observation-based analysis techniques
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- Topic 2      **New technologies for TC research and prediction****  
Topic co-Leads: Lili Lei, Philippe Papin
- Sub-topics:
- a) Advancements in Physics Based Numerical Modeling
  - b) Advancements in Artificial Intelligence / Machine Learning based Modeling
  - c) New Data Assimilation Techniques
  - d) New Techniques in Understanding Predictability
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- Topic 3      **Research to operations: TC genesis, track, intensity, and structure****  
Topic co-Leads: Kimberly Wood, Monica Sharma, Juliane Schwendike
- Sub-topics:
- a) External factors
  - b) TC dynamics
  - c) Understanding and predicting rapid changes in TC behavior
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- Topic 4      **TC variability beyond the synoptic scale****  
Topic co-Leads: Phil Klotzbach, Leroux Marie-Dominique
- Sub-topics:
- a) Sub-seasonal tropical cyclone research and prediction
  - b) Seasonal to multiannual tropical cyclone research and prediction
  - c) Observed tropical cyclone trends, variability and future projections
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- Topic 5      **TC hazards and impacts, including probabilistic communication****  
Topic co-Leads: Choy Chun-wing, Dorival Alvaro Muterreda, Hongyan Zhu
- Sub-topics:
- a) Wind (sustained wind and gust) and tornadoes
  - b) Rainfall and flooding
  - c) Storm surge and coastal inundation
  - d) Lessons and good practices of working with DRR and other agencies
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## LIST OF RECOMMENDED EXPERTS TO SERVE AS A RAPPORTEUR

Topic *	Sub-topic	Names	Institution	Country
1	a	Derrick Herndon	Cooperative Institute for Meteorological Satellite Studies (CIMSS)	USA
		Steph Bond	Bureau of Meteorology (BOM)	Australia
	b	Jun Zhang	University of Miami	USA
		John Chong	Hong Kong Observatory (HKO)	Hong Kong China
	c	Arthur Avenas	European Space Agency	-
		Rob Gile	Philippine Atmospheric, Geophysical and Astronomical Services Administration	Philippines
2	a	Falko Judt	National Center for Atmospheric Research	USA
		Andrew Hazelton	University of Miami	USA
		Xuejin Zhang	Hurricane Research Division/ National Oceanic and Atmospheric Administration (NOAA)	USA
	b	Michael Fischer	University of Miami	USA
		Ferran Alet	Google DeepMind	-
		Wallace Hogsett	National Hurricane Center/ NOAA	USA
	c	Masashi Minamide	University of Tokyo	Japan
		Jan Keller	Deutscher Wetterdienst	Germany
	d	Jie Feng	Fudan University	China
	3	a	Kosuke Ito	Kyoto University
Eddie Maru			Solomon Islands Met Services	Solomon Islands
Rob Hart			Florida State University	USA
b		Thu Hang Nguyen	Vietnam Meteorological and Hydrological Administration	Viet Nam
		Anumeha Dube	India Meteorological Department (IMD)	India
		Kelly Núñez Ocasio	Texas A&M University	USA
c		Donglei Shi	China University of Geosciences	China
	Rivo Randrianarison	Direction Générale de la Météorologie	Madagascar	
4	a	Jo Camp	Expert	-
		Lindsey Long	NOAA	USA
	b	Ruifen Zhan	Fudan University	China
		Jhordanne Jones	University of West Indies	Jamaica
	c	Savin Chand	Federation University, Victoria	Australia
		Christina Patricola-DiRosario	Iowa State University	USA
5	a	Benjamin Schenkel	NOAA	USA
		Monica Sharma	IMD	India
	b	Owen Shieh	NOAA	USA
		Helen Titley	Met Office	UK
		Jun Smith	BOM	Australia
	c	Nadao Kohno	Japan Meteorological Agency	Japan
		Cody Fritz	NOAA	USA
		James Thompson	BOM	Australia
	d	Choy Chun-wing	HKO	Hong Kong China
David Grant		BOM	Australia	

\* The details of the topics and sub-topics are provided in Annex I.