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Our ref.: 20150/2017/WDS/MMO/TECO

29 June 2017

Annex: 1

Subject: Announcement and Call for Abstracts for the Marine Technical Conference with the theme "Toward an Integrated Met-ocean Monitoring, Forecasting and Services System"

Action required: To distribute the announcement to interested parties, and to submit abstracts of papers as soon as possible, but **not later than 31 July 2017**

Dear Sir/Madam,

The World Meteorological Organization (WMO) and UNESCO Intergovernmental Oceanographic Commission (IOC) will be organizing the Marine Technical Conference with the theme "Toward an Integrated Met-ocean Monitoring, Forecasting and Services System" in conjunction with the Fifth Session of the Joint WMO-IOC Technical Commission for Oceanography and Marine Meteorology (JCOMM-5).

The Conference will be held at the Patra Bali Hotel in Denpasar, Bali, at the kind invitation of the Government of Indonesia, from 23 to 24 October 2017.

This Conference will provide an overview of the advances in marine meteorological and oceanographic (met-ocean) observing systems, data management and services developed and continued during the JCOMM-5 intersessional period. The aim is to have the JCOMM Management Committee and Experts engage with WMO Members' and IOC Member States' activities, and have them interact with a large community of stakeholders worldwide at the JCOMM-5 Session. The Technical Conference will be conducted in English only.

A Scientific and Technological Committee will oversee the Conference and will be responsible for the selection of papers for oral presentations or poster displays. Sessions are planned that will address:

- The multi-disciplinary, global and regional met-ocean observing systems in support of WMO and IOC Applications and Services;
- Met-ocean data management strategy to better address the needs of WMO and IOC Applications and Services;

To: Permanent Representatives (or Directors of Meteorological or Hydrometeorological Services) of Members of WMO  
The coordinating bodies for liaison with the Intergovernmental Oceanographic Commission

cc: Hydrological Advisers to Permanent Representatives of Members of WMO  
Permanent Delegations to UNESCO of IOC Member States )  
National Commissions to UNESCO of IOC Member States ) (for information)

- Met-ocean predictions, uncertainties, and gaps;
- Integrated meteo-hydro-marine-ocean services;
- Global Framework for Climate Services and Ocean Health;
- Indonesian Region met-ocean services on safety and socio-economic benefits with focus on improvement of prediction accuracy.

The purpose of this letter is to announce the Conference and to invite submission of abstracts. Those wishing to present an oral or poster presentation at the Conference are kindly requested to complete an Abstract Submission Form. More information will be available shortly at: <http://meetings.wmo.int/JCOMM-5/SitePages/TECO.aspx>

Consideration will be given to abstracts in English, of less than 300 words, which are submitted **before 31 July 2017**.

Lead authors of papers selected by the Scientific and Technological Committee will be advised in August 2017 with further instructions concerning the format and submission deadline for papers or posters for publication in the Conference Proceedings.

Limited financial support may be available for selected participants from developing countries, who are presenting papers. In this regard, we also wish to inform you of WMO insurance coverage for non-staff members, which is as follows:

*"In case of non-staff members of the Organization who are authorized to travel at its expense and/or who are receiving a daily subsistence allowance, WMO accepts limited responsibility for compensation in the event of death, illness or injury attributable to attendance at meetings or the performance of services on behalf of the Organization. These persons are therefore fully responsible for any expenses incurred as a result of events which are not attributable to attendance at meetings nor the performance of services on behalf of the Organization and for arranging such life, health and other forms of insurance as they consider appropriate".*

We should be grateful if you would make this announcement widely known within your respective Service and/or institution and beyond.

Yours faithfully,



(V. Ryabinin)  
Executive Secretary, IOC



(P. Taalas)  
Secretary-General, WMO

**MARINE TECHNICAL CONFERENCE**  
**TOWARD AN INTEGRATED MET-OCEAN MONITORING,**  
**FORECASTING AND SERVICES SYSTEM**

**DENPASAR, BALI, INDONESIA**

**23-24 OCTOBER 2017**

**PRELIMINARY PROGRAMME**

Ref.: 20150/2017-1.4 WDS/MMO

**Chair and Co-chair**

J. Stander and N. Pinardi, JCOMM Co-Presidents

**Scientific and Technological Committee**

D. Legler, NOAA, USA (Convener of Session 1)

J. Turton, Met Office, UK (Convener of Session 1)

S. Belov, Roshydromet, Russia (Convener of Session 2)

P. Bahurel, Mercator Ocean, France (Convener of Session 3)

N. Ashton, Met Office, UK (Convener of Session 4)

H. Tangen, Norwegian Met. Inst., Norway (Convener of Session 5)

N. Florida Riama, Marine Met Center, Indonesia (Convener of Session 6)

**MAIN AIM OF THE CONFERENCE**

This conference is organized to provide an overview of the advances in marine meteorological and oceanographic (met-ocean) observing systems, data management and services developed and continued during the JCOMM 5 intersessional period. The aim is to properly interface the JCOMM management and expert groups with the IOC-WMO Member activities and have them interact with a large community of stakeholders worldwide, gathered at the JCOMM-5 Session.

The program will consider only plenary sessions with some key-note speakers introducing the session's science and technology issues. In parallel, a poster session will be organized that will remain open for discussion at breaks during the JCOMM-5 Session.

The conference will conclude with recommendations and a white paper to be submitted in input to the JCOMM-5 session that will follow.

**ABSTRACT SUBMISSION**

Oral and poster abstract submission will open on 28 June and end 31 July 2017 on WMO website. Abstract acceptance will be communicated by 31 August 2017.

**SESSION 1****The multi-disciplinary, global and regional met-ocean observing systems in support of WMO and IOC Applications and Services****Short description**

This session is meant to show the present day implementations of met-ocean observing systems at regional and global scales with particular attention to multidisciplinary and sustainability matters in support of WMO and IOC applications and services. Assessment of monitoring system adequacy should also be included. Additionally, longer term visions regarding global met-ocean and coastal observing systems addressing multi-disciplinary requirements and emerging monitoring systems are encouraged.

**SESSION 2****Met-ocean data management strategy to better address the needs of WMO and IOC Applications and Services****Short description**

This session is intended for presentation and discussion of the JCOMM data management Strategy which is meant to better address the needs of WMO and IOC applications and services in the foreseeable future. It will focus on using infrastructure such as the WMO Information system in the fast-developing information technology era (e.g. emerging data issues), and improving met-ocean data sharing, accessibility, integration and exchange in real time and delayed mode. The Strategy will involve enhancing collaborations between National Meteorological and Hydrological Services (NMHSs) with the oceanographic institutes and other research institutions in this regard, and developing partnerships with third parties.

**SESSION 3****Met-ocean predictions, uncertainties, and gaps****Short description**

This session is meant to present advances in storm surge, wave and ocean forecasting systems in place together with the associated uncertainties and accuracy estimates. Contributions addressing coupled ocean-atmosphere forecasting capabilities (El Niño) and services are included. Papers documenting data assimilation of in situ and satellite observations impacting the quality of the forecasts are solicited, together with observing system experiments and novel modeling approaches to resolve the coastal scales.

**FIRST 3 SESSIONS WRAP-UP****Roundtable Discussion (Panel)**

Summary and take-away messages from Day 1 (sessions 1-3). This roundtable will summarize the main points from the presentations and identify clear recommendations to JCOMM 5 for consideration.

**SESSION 4****Integrated Meteo-hydro-marine-ocean services**

Integrated observing and modelling systems are developed to serve as a knowledge and operational basis for Disaster Risk Reduction and the Multi-Hazard early warning systems. Presentations on observational needs, modelling challenges and experiences are solicited, as well as decision support systems stemming out of observing and modelling systems. Presentations on the Coastal Inundation Forecasting Demonstration Project (CIFDP) are especially encouraged.

**SESSION 5****Global Framework for Climate Services and Ocean Health**

This session addresses the question of methodological and implementation aspects of met-ocean state assessments including the regular process for Global Reporting and Assessment of the State of the Marine Environment from both WMO and IOC. Presentations on polar regions and the Arctic and the required role in GFCS are welcomed. Presentations on dependence of marine ecosystems on the marine environment as well as Integrated Coastal Zone Management practices are encouraged.

**SESSION 6****Indonesian Region met-ocean services on safety and socio-economic benefits with focus on improvement of prediction accuracy**

This session should focus on the Indonesian region including Socio-economic Aspects, Integrated Coastal Zone Management, Marine Spatial Planning and WMO

- Maritime Continent;
- Ocean and Atmosphere Interaction for Equatorial Modelling;
- ITF within the context of Climate Extreme Prediction and Climate Change;
- Regulatory Aspect.

**SESSIONS 4-6 WRAP-UP****Roundtable Discussion (Panel)**

Summary and take-away messages from Day 2 (sessions 4-6).

This roundtable will summarize the main points from the presentations and identify clear recommendations to JCOMM 5 for consideration.

**Roundtable (panel of session conveners - covers all sessions)**

This roundtable discussion will discuss the medium and long term strategy for Marine Products and Services. Specific discussion items include future met-ocean end-to-end services and global infrastructure for observations, data management and forecasting. The output from this should be a white paper to present at JCOMM-5 with a summary of the Technical and Scientific Conference and a discussion of the future of JCOMM.

Presentations should be fifteen minutes long, followed by five minutes for questions

Posters remain on display for the entire JCOMM week.

**PRELIMINARY TIME TABLE (ONLY PLENARY SESSIONS)**

Time	Day1
8:30-9:00	Opening
9:00-9:30	White paper presentation
9:30-10:00	Local hosts invited talk
10:00-11:00	Session 1 (with invited talk)
11:00-11:30	Coffee Break
11:30-12:00	Session 1
12:00-12:30	Session 2 (with invited talk)
12:30-13:30	Lunch
13:30-14:30	Session 2
14:30-15:30	Session 3 (with invited talk)
15:30-16:00	Coffee Break
16:00-16:30	Session 3
16:30-17:30	Round Table (Summary of Sessions 1 to 3)
17:30-18:30	Poster viewing
Time	Day 2
8:30-9:00	Invited Talk
9:00-9:30	Session 4 (with invited talks)
9:30-10:00	Session 4
10:00-11:00	Session 5 (with invited talks)
11:00-11:30	Coffee Break
11:30-12:00	Session 5
12:00-13:00	Lunch
13:00-14:30	Session 6 (with invited talk)
14:30-15:30	Round Table (Summary of Session 4-6)
15:30-16:00	Coffee Break
16:00-17:00	Round Table (Final Wrap Up and Statement to JCOMM-5)
17:00-18:00	Poster viewing