IOC Circular Letter No. 2482
(available in English only)

To: Official National Coordinating Bodies for Liaison with the IOC

cc: The Chair and Vice-Chairs of the Commission
Permanent Delegates/Observer Missions to UNESCO of IOC Member States
National Commissions for UNESCO of IOC Member States
Mr Michel Jarraud, WMO Secretary-General
Mr Al Wallace, DBCP Chair
Mr Johan Stander, JCOMM Co-president for Marine Meteorology
Ms Nadia Pinardi, JCOMM Co-president for Oceanography
Ms Candyce Clark, JCOMM OCG Chair
Mr David Meldrum, JCOMM OCG Vice-Chair
Mr Wenxi Zhu, IOC Coordinator IOC-WESTPAC

Subject: IOC-WMO Second Capacity Building Workshop of the Data Buoy Cooperation Panel (DBCP) for the North Pacific Ocean and Its Marginal Seas (NPOMS-2) (Hangzhou, China, 15–18 July 2013)

Actions required:
1. To nominate a participant of your country to attend the Workshop; and
2. To notify the IOC Secretariat, of the name and contact details of the experts, as soon as it is possible, but preferably no later than 15 May 2013

You will recall that the Joint WMO-IOC Data Buoy Cooperation Panel (DBCP) is an official body of the World Meteorological Organization (WMO) and of the Intergovernmental Oceanographic Commission (IOC) of UNESCO. The work of the Panel supports the Observations Programme Area, overseen by the Joint WMO-IOC Technical Commission for Oceanography and Marine Meteorology (JCOMM).

During its twenty-eighth Session (Fremantle, Australia, 2–6 October 2012), the Panel, drawing from the success of the first three DBCP PANGEA Workshops*, recognized the value of continued efforts to hold In-region Capacity Building activities. The Panel also reaffirmed its desire to actively encourage the participation of developing nations in the Panel’s activities, as a means for nations to assist the Panel in achieving and sustaining its objectives for a globally distributed data buoy network.

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Lomé 228
TOGO
In this context, the DBCP is now pleased to organize and sponsor the Second Capacity Building Workshop of the WMO/IOC Data Buoy Cooperation Panel (DBCP) for the North Pacific Ocean and Its Marginal Seas (NPOMS-2) to be held, at the kind invitation of the State Key Laboratory of Satellite Ocean Environment Dynamics, Second Institute of Oceanography and State Oceanic Administration of China, in Hangzhou, China 15–19 July, 2013, with the objective of enhancing nations capacity to apply ocean observations for societal benefit. The theme of this 2nd Workshop will be “Application of Regional Ocean Observations for Increasing Society’s Understanding and Forecasting of Typhoons.” This Workshop is a realization of the JCOMM PANGEA concept http://www.jcomm.info/pangea-concept.

The Workshop will be conducted in English only. Enclosed you will find a copy of the Workshop Goals (Annex II), for your information. The Programme, Local Arrangements (i.e., accommodation, visas, etc.); and any other information pertinent to the Workshop will be posted, in due course, on the JCOMM website, under the dedicated web page: http://www.jcomm.info/NPOMS-2.

The Workshop is primarily designed for typhoon forecasters, ocean data users, researchers and buoy operators in countries of the East Asia Region. The curriculum will cover: the regional programmes on typhoon; processes and mechanisms of typhoon-ocean interaction; application and improvement of ocean observations for typhoon; and enhancing regional and national human, institutional and infrastructure capacity to deliver socio-economic benefits from ocean observations. Trainers are being drawn from a wide spectrum of the international ocean community.

I encourage you to nominate potential trainees using the attached Nomination/Registration form (Annex I). The Workshop will offer an exceptional opportunity for participants both to learn new skills and to make significant and ongoing contributions to major international programmes. Please note that a similar invitation letter to this event is circulated by the WMO.

In order to allow sufficient time to consider all the nominations and complete the selection process in a timely fashion, it would be greatly appreciated if your reply could reach the IOC Secretariat, as soon as possible, but no later than 15 May 2013, preferably via email, to the attention of Dr Thomas Gross, at t.gross@unesco.org with copy to Mr Etienne Charpentier, at echarpentier@wmo.int. Also, it should be noted that selected participants will be required to present a valid passport (6 months beyond the date of travel), and obtain the necessary entry and/or transit visas, in due course.

Finally, I indeed look forward to the active participation of operators and scientists currently involved in this important and rewarding initiative. In this context, you are welcome, in your capacity of Representative of your country and of the National Coordinating Body for Liaison with IOC, to nominate experts from either your oceanographic or meteorological institutions, or any other national institutions specializing in the subject field.

Yours sincerely,

[signed]

Wendy Watson-Wright
Executive Secretary, IOC
Assistant Director-General, UNESCO

* Details about the previous DBCP-WIO Workshops can be found at: www.jcomm.info/DBCP-CD-Asia1; www.jcomm.info/wio-dbcp (Cape Town, April 2010); www.jcomm.info/wio-dbcp2 (Mauritius, May 2011); and www.jcomm.info/wio-dbcp3 (Mombasa, April 2012) respectively.*
Annex I

NOMINATION / REGISTRATION FORM

IOC-WMO Second Workshop of DBCP Capacity Building for the North Pacific Ocean and Its Marginal Seas with a Focus on Typhoon

15 - 18 July 2013, Hangzhou, China

The Government of: proposes the following nomination:

**NOTE TO THE NOMINATED PARTICIPANT:**
Please complete all the questions in this form. Please write clearly, and submit it, preferably, in electronic format.

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<th>Mr / Mrs / Dr / etc</th>
<th>Mr / Ms</th>
<th>Dr / Professor / Eng / etc.</th>
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<td>Graduation degree(s)</td>
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ADDRESS:
Dept/Div.
Street
Suite/Office/etc
City / postal codes
State/Province/etc
COUNTRY
Tel. number(s)
Fax number(s)

Email(s) - Please write your E-mail(s) very clearly
E-mail (1)
E-mail (2)

Job responsibilities:

Financial assistance is requested for: travel [ ] per diem [ ]
QUESTIONS TO THE EXPERT NOMINATED FOR THE TRAINING WORKSHOP

1. Please indicate the plans you may have in your country for;
   (i) initialization/maintenance ocean observing systems in Eastern Asia region, and/or;
   (ii) cooperation with international programmes regarding the implementation of such systems
   (e.g. through the provision of instrument deployment opportunities).

   *N.B.*: Please use a separate sheet to provide a brief description on this question.

1. Please indicate the plans you may have in your country for;
   (i) utilizing ocean observing systems in Eastern Asia region, for improving typhoon track and
   intensity forecasts;
   (ii) cooperation with international programmes regarding the implementation of such systems
   (e.g. through the provision of instrument deployment opportunities).

   *N.B.*: Please use a separate sheet to provide a brief description on this question.

3. Do you have an understanding of physical oceanography and the basics in geophysical fluid dynamics
   (e.g. Equation of State, etc.)?

4. What operating system will you have on your laptop (e.g. PC/Windows, Linux-Ubuntu, Linux-
   Mandriva, etc.)?

   4.1. What is your level of knowledge and experience with your Operating System (O/S), and with an
   alternative system (with Windows in case your O/S is Linux; and with Linux in case your O/S is
   Windows)?

5. What do you expect from this Training Workshop?

6. In your view, what would make the Training Workshop successful?

7. Do you have any questions or comments?

8. Did you participate at NPOMS-1?

PLEASE NOTE, ONLY NOMINATION/REGISTRATION FORMS, SIGNED BY THE
PERMANENT REPRESENTATIVE (PR) OF YOUR COUNTRY WITH WMO OR THE IOC ACTION ADDRESSEE(S)
OF YOUR COUNTRY, WILL BE CONSIDERED.

**Name of PR with WMO or IOC Action Addressee:**

**Date:**

(Signature of the Permanent Representative with WMO
or IOC Action Addressee)

Please return the completed form before 1 March 2013, preferably by e-mail, to the attention of Mr Tom Gross, t.gross@unesco.org, with
cc: Mr Etienne Charpentier, echarpentier@wmo.int, and/or to the WMO Secretariat, at:

World Meteorological Organization
Observing and Information Services Department (OBS)
P.O. Box 2300
CH-1211 GENEVA 2
Switzerland
Fax: (+41 22) 730 8021
Second Capacity Building Workshop of the WMO/IOC Data Buoy Cooperation Panel (DBCP) for the North Pacific Ocean and Its Marginal Seas (NPOMS-2)

Application of Regional Ocean Observations for Increasing Society’s Understanding and Forecasting of Typhoons
www.jcomm.info/NPOMS-2
15–18 July 2013
Hangzhou, China: Liu Ying Hotel

Hosted by China’s
Key Lab of Satellite Ocean Environment Dynamics (SOED)
Second Institute of Oceanography (SIO)
State Oceanic Administration (SOA)

An IOC/WMO JCOMM PANGEA Workshop
www.jcomm.info/pangea-concept
www.jcomm.info/wio-dbcp
www.jcomm.info/wio-dbcp2
www.jcomm.info/wio-dbcp3
www.jcomm.info/dbcp-cb-asia1
www.jcomm.info/wio-dbcp4
Second Capacity Building Workshop of the WMO/IOC Data Buoy Cooperation Panel (DBCP) for the North Pacific Ocean and Its Marginal Seas (NPOMS-2), 15–18 July 2013, Hangzhou, China

Terms of Reference

The Following Goals and Associated Actions reflect the needs of this NPOMS-2 Workshop and of the long-term Ocean-Climate Monitoring Capacity for Cyclogenesis and Forecasting:

1. Review recent, on-going and planned regional programs on typhoon and its interaction with the ocean,

2. Discuss new advances in our understanding of the processes and mechanisms of typhoon-ocean interaction,

3. Explore the possibility of regional collaboration to improve typhoon observation and prediction,

4. Demonstrate the crucial role of ocean observations in the Western Pacific, such as for understanding and predicting regional cyclogenesis,

5. Build Regional and National Human, Institutional and Infrastructure Capacity Needed to Acquire, Process and Deliver Socio-Economic Benefits From Ocean Observations,

6. Continue to Learn Practical Implementation Skills for the Deployment of Operational Data Buoys at Sea, the Collection of Buoy Data, and Related Data Management,

7. Continue to Align with Objectives of the Global Framework for Climate Services (GFCS) and Global Framework for Ocean Observations to Deliver Ocean Data to the End-User,

8. Enhance Coordination and Cooperation between the DBCP Task Team for Capacity Building (TT-CB), WMO Regional Associations (RA-II/V) and the IOC Sub-Commission for the Western Pacific (WESTPAC).