



Our ref.: 13653/2019/OBS/OSD/MAR/DBCP-PI-4

24 May 2019

Annexes: 2 (available in English only)

Subject: Fourth DBCP Pacific Islands Training Workshop on Ocean Observations and Data Applications (DBCP-PI-4), Honolulu, Hawaii, 13-16 September 2019

Actions required: (1) To nominate a participant of your country to attend the workshop; and  
(2) To notify the WMO Secretariat, of the name and contact details of the expert, as soon as possible, but preferably no later than **7 June 2019**

Dear Sir/Madam,

You may 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 DBCP supports the Observations Programme Area (OPA) and is currently overseen by the Joint WMO-IOC Technical Commission for Oceanography and Marine Meteorology (JCOMM). JCOMM-5 identified that Capacity development and marine competency is one of the highly important activities to the members.

During its thirty-fourth session (DBCP-34, Cape Town, South Africa, October 2018), the DBCP noted the continuing success of the DBCP in regional workshops held in 2016-2018 and endorsed future support for continued activities in this regard, including supporting, through the DBCP Task Team on Capacity Building (TT-CB), in 2019, the organization of the "Fourth Pacific Islands Workshop on Ocean Observations" (PI-4). The DBCP is now pleased to organize and sponsor the PI-4 workshop in Honolulu, Hawaii, from 13 to 16 September 2019, at the kind invitation of the U.S. Pacific Islands Ocean Observing System (PacIOOS). The objective is to enhance Pacific Islands Nations capacity to apply ocean observations for social and economic benefit, to include improving the forecasts for typhoon track and intensity and other natural disasters. The themes for the workshop will include increasing awareness of ocean processes and traditional knowledge, ocean observing, data access and data applications, hands on experience of Ocean observing instruments, as well as continuing the discussion from PI-3 (Hai Kou of Hai Nan Province (Island), China, 9-12 July 2018) on the design and coordination of ocean observing throughout the Pacific Islands. This workshop is a realization of the JCOMM PANGEA concept.

The workshop is primarily designed for ocean forecasters, ocean data managers, observation instruments operators from the Pacific region, especially from Pacific Island Countries and Territories (PICTs), including in particular Small Island Developing States (SIDS). The PI-4 Capacity Building Workshop will be conducted from 13 to 15 September 2019 and participants will have the opportunity to attend the first day session of the OceanOBS'19 (<http://www.oceanobs19.net/>) Conference on 16 September 2019. The registration fee for the PI-4 trainees to participate in the first day (16 September 2019) of OceanOBS'19 is kindly supported by NOAA. PI-4 applicants are requested to indicate their intention to attend the first day (16 September 2019) of the OceanOBS'19 session in the Registration Form (Annex 2,

To: Permanent Representatives of Members of WMO RA-V, participating in JCOMM  
(limited distribution)

Item 8). The workshop will be conducted in English only. Attached herewith is a copy of the workshop goals (Annex 1), 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/PI-4>. Trainers are being drawn from a wide spectrum of the international ocean community.

I encourage you to nominate potential PI-4 trainees using the attached Nomination/Registration Form (see Annex 2). The Workshop will offer an exceptional opportunity for participants both to learn new skills, hands on experience on equipment and to make significant and ongoing contributions to major international programmes. Please note that a similar invitation letter to this event is being circulated by the IOC.

A selection committee will be set up with a view of selecting from all the nominations received, the most qualified experts in the area of marine meteorological and oceanographic (met-ocean) forecasting or met-ocean observations. The selection committee will deliberate by the beginning of 30 May 2019 and will inform the selected experts soon after.

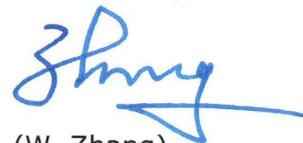
In order to clarify the WMO insurance coverage for non-staff members, I should like to draw your attention to the following:

*"In the 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, the 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 or the performance of services on behalf of the Organization and for arranging such life, health and other forms of insurance as they consider appropriate."*

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 WMO Secretariat, as soon as possible, but **no later than 7 June 2019** preferably via email, for the attention of Ms Champika Gallage (Scientific Officer, Marine), at [cgallage@wmo.int](mailto:cgallage@wmo.int), copy to: Mr Renbo Pang [rpang@unesco.org](mailto:rpang@unesco.org). 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 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 Permanent Representative of your country with WMO, to nominate experts from either your Meteorological Service, or any other national institutions specializing in the subject field.

Yours faithfully,



(W. Zhang)

for the Secretary-General

**Fourth DBCP Pacific Islands  
Training Workshop on Ocean Observations and Data Applications**  
*(Honolulu, HI, USA, 13-16 September 2019)*

Ref.: 13654/2019\_1.1 OBS-WIGOS/OSD

**GOALS OF THE WORKSHOP:**

- Continue to build capacity within the region to apply ocean observing data for enhanced predictive capability;
  - Demonstrate the role of ocean observations for understanding and predicting regional weather, ocean state and climatology;
  - Demonstrate the societal and economic benefits of delivering enhanced ocean observing system data for better informed decision making;
  - Enhance the capacity of quality control of marine observation, data processing and ecology recovering and island protection;
  - Increase awareness of the importance of the ocean, scientific understanding and traditional knowledge, and how marine processes affect the lives of Pacific Islanders;
  - Discuss the potential impacts of climate change on oceans;
  - Learn practical implementation aspects of ocean observing systems;
  - Explore the importance of marine modelling;
  - Evaluate data gaps within the region and how they can be addressed;
  - Encourage cooperation with and support for existing monitoring programmes such as the Argo programme and the Global Drifter Program;
  - Hands on training of instruments and pre-deployment, deployment and post deployment activities;
  - Advance the design and coordination of ocean observing throughout the Pacific Islands.
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**NOMINATION / REGISTRATION FORM****Fourth DBCP Pacific Islands  
Training Workshop on Ocean Observations and Data Applications***(Honolulu, HI, USA, 13-16 September 2019)**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.**

Mr /Mrs /Dr. /etc.	Mr / Ms	Dr / Professor / Eng. / etc.
Family name		
First name		
Job title		
Professional specialization		
Graduation degree(s)		
Organization		
ADDRESS: Dept/Div.		
Street		
Suite/Office/etc.		
City /postal codes		
State/Province/etc.		
COUNTRY		
Tel. number(s)		
Fax number(s)		
Email(s) - <b>PLEASE WRITE YOUR E-MAIL(S) VERY CLEARLY</b>		
Email (1)		
Email (2)		
Job responsibilities:		
Financial assistance is requested for:                      travel <input type="checkbox"/> per diem <input type="checkbox"/>		

<b>QUESTIONS TO THE EXPERT NOMINATED FOR THE TRAINING WORKSHOP</b>	
1.	<p>Please indicate the plans you may have in your country for:</p> <ul style="list-style-type: none"> <li>(i) initialization/maintenance ocean observing systems in Pacific Islands region, and/or;</li> <li>(ii) cooperation with international programmes regarding the implementation of such systems (e.g. through the provision of instrument deployment opportunities)</li> </ul> <p><i>N.B.: Please use a separate sheet to provide a brief description on this question.</i></p>
2.	<p>Please indicate the plans you may have in your country for;</p> <ul style="list-style-type: none"> <li>(i) utilizing ocean observing systems in the Pacific Islands region;</li> <li>(ii) cooperation with international programmes regarding the implementation of such systems (e.g. through the provision of instrument deployment opportunities).</li> </ul> <p><i>N.B.: Please use a separate sheet to provide a brief description on this question.</i></p>
3.	Do you have an understanding of oceanography and ocean observing (e.g. instrumentation, data management, etc.)?
4.	What do you expect from this Training Workshop?
5.	In your view, what would make the Training Workshop successful?
6.	Do you have any questions or comments?
7.	Did you participate in any other DBCP Capacity Building Workshops?
8.	<p>Would you like to attend the first day (16 September 2019) of OceanOBS'19 session?</p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
9. 9(a)	<p>The following 3 questions will help us tailor the training for the participants.</p> <p>In order of importance, please describe 3 - 5 marine/coastal related issues in your region/country and your role (or potential role) addressing the issue.</p> <p>Please attach additional pages if more room is needed.</p>

9(b)	Please indicate your level of experience in the following topic areas in the table below using the following metrics:						
	0	no knowledge or exposure to topic	3	professional exposure and experience, but always led by others			
	1	some exposure, limited knowledge of topic	4	professional experience, occasionally leading the effort			
	2	moderate knowledge of topic, but no professional experience	5	expert level experience, could train others			
<b>Pre-deployment</b>							
Identifying marine/coastal related needs or issues		0	1	2	3	4	5
Determining the best instrument/tool (and location) to address identified needs or issues		0	1	2	3	4	5
Developing networks and partnerships		0	1	2	3	4	5
Obtaining instruments		0	1	2	3	4	5
Permitting, access, and other logistics		0	1	2	3	4	5
<b>Field work/instrumentation</b>							
Deployment		0	1	2	3	4	5
Operations (including standard operating procedures)		0	1	2	3	4	5
Maintenance (including calibration methods)		0	1	2	3	4	5
<b>Data</b>							
Telemetry		0	1	2	3	4	5
Data storage & transfer		0	1	2	3	4	5
Software/hardware knowledge		0	1	2	3	4	5
<b>Access</b>							
Data products and data visualization		0	1	2	3	4	5
Outreach and education		0	1	2	3	4	5
9(c)	Based on your answers above, what type of hands-on training would be most helpful for you? Any additional information you can provide regarding your experience and/or your hands-on training requirements for the above topics will be used to shape the training.						
<b>PLEASE NOTE, ONLY NOMINATION/REGISTRATION FORMS, SIGNED BY THE PERMANENT REPRESENTATIVE (PR) OF YOUR COUNTRY WITH WMO OR THE IOC FOCAL POINT OF YOUR COUNTRY, WILL BE CONSIDERED.</b>							
Name of PR with WMO or IOC Action Addressee:							

Date:

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

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Please return the completed form **before 7 June 2019**, preferably by email, to the attention of Ms Champika Gallage, [cgallage@wmo.int](mailto:cgallage@wmo.int), cc: , Mr Renbo Pang, [r.pang@unesco.org](mailto:r.pang@unesco.org), 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  
Email: [rga@wmo.int](mailto:rga@wmo.int)

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