IOC Circular Letter No. 2484
(English only)
Ref: IOC/WWW/WZ
22 April 2013

To: Official National Coordinating Bodies for Liaison with the IOC in the Western Pacific

Cc: Permanent Delegates/Observers Missions to UNESCO of IOC Member States in Western Pacific
National Commissions for UNESCO of IOC Member States in Western Pacific
IOC and WESTPAC Officers
Other IOC Member States

Subject: WESTPAC Training Course on Air-Sea Interaction and Modelling – IOC Regional Training and Research Centre on Ocean Dynamics and Climate, Qingdao, China, 12–23 August 2013

Action required: To nominate one or more participants to the Training Course, preferably no later than 6 June 2013

Sir/Madam,

You may recall that in 2010 the Intergovernmental Oceanographic Commission (IOC) of UNESCO approved by resolution EC-XLI.2 the establishment of a Regional Training and Research Centre on Ocean Dynamics and Climate (hereinafter referred to as “ODC Centre”) in the First Institute of Oceanography, State Oceanic Administration of China.

As the first UNESCO/IOC Regional Training and Research Centre, ODC centre was officially inaugurated on 9 June 2011 at the host institute, with its first training course on ocean models organized on 10–16 June 2011 and second training course organized on ocean dynamics on 16–22 July 2012 in accordance with the Agreement signed by both parties,

“the objectives of the Centre shall be to enhance the regional research capacity and capability on ocean dynamics, air-sea interactions, climate change and numerical modelling through, among others, provisions of regular training courses in English once a year to around 15-20 junior scientists and doctoral/master students mainly from the developing Member States of IOC in the Western Pacific”.

Chairperson
Dr Sang-Kyung BYUN
Principal Research Scientist
Climate Change & Coastal Disaster Research Dept.
Korea Institute of Ocean Science and Technology (KIOST)
787 Haeanlo
Ansan 426-744
REPUBLIC OF KOREA

Vice-Chairpersons
Prof. Peter M. HAUGAN
Director, Geophysical Institute
University of Bergen
Allegaten 70
5007 Bergen
NORWAY
Dr Atanas PALAZOV
Director, Institute of Oceanology – Varna
Bulgarian Academy of Sciences
P.O. Box 152
Varna 9000
BULGARIA
Capt. Frederico Antonio SARAIVA NOGUEIRA
Professor Adoté Blim BLIYI
Directorate of Hydrography
Head of CGILE
and Navigation
Ministère de l’Enseignement Supérieur
Rue Bartol de Jacegui, s/n*
Ponta da Armação
et de la Recherche
Niterói, Rio de Janeiro
University of Lomé,
CEP 24.048.900
B.P. 1515
BRAZIL
Lomé 228
TOGO
Prof. Yutaka MICHIDA
Member of National Committee for IOC
University of Tokyo
Kashiina 5-1-5
Chiba
JAPAN

Executive Secretary
Dr Wendy WATSON-WRIGHT
Intergovernmental Oceanographic Commission — UNESCO
1, rue Miollis
75732 Paris Cedex 15,
FRANCE
I have the pleasure to inform you the third Training Course at the ODC Centre is being scheduled on 12–23 August 2013 upon the kind invitation of the Government of China. It will focus on air-sea interaction and modelling. In light of the constructive suggestions and overwhelming interests received from the previous two trainings, the third training course will last for two weeks with be limited to 30 trainees.

The training is designed to comprehensively introduce air-sea interaction and modelling, covering the theory and numerical modelling of the air-sea interaction, the analysis of air-sea fluxes observations and estimations, and the air-sea interactions in the tropics and mid-latitude region etc. Five experienced experts on air-sea interaction and modelling from different countries have been invited to give lectures at this training course. Enclosed you will find the general information on this training (Annex 1). Further information will be made available, in due course, at the WESTPAC website (http://westpac.unescobkk.org), and the website of the ODC Centre (http://www.fio.org.cn/en/training_center/index.htm). The training course will be conducted in English.

On behalf of IOC, I encourage you to nominate one or more qualified experts to attend the third training course using the attached application form (Annex 2), noting that the priority for selection will be given to young scientists and junior technical staff who have experience of air-sea interactions, modelling and analysing the processes of air-sea interactions or have master/doctoral degree in Physical Oceanography. Some limited funding is available from the Centre to support selected participants from developing countries. A selection committee will be set up with a view to selecting the most qualified applicants to receive financial assistance.

It would be appreciated if your assistance could be provided in the identification of suitable experts from your country and the filled-in application form could be sent to our contact points, before 6 June 2013, at the addresses contained in the attached general information (yinxq@fio.org.cn; w.zhu@unesco.org).

I would take this opportunity to thank you once again for your cooperation and look forward to the active participation of suitable experts from your country in this training course.

Yours sincerely,

[signed]

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

Enclosures (2): I. General Information on the Training Course
II. Application Form
GENERAL INFORMATION

Introduction

The UNESCO/IOC Regional Training and Research Center on Ocean Dynamics and Climate (hereinafter referred to as “ODC Center”) was officially established through one Agreement signed by the Intergovernmental Oceanographic Commission of UNESCO and the host institute, the First Institute of Oceanography, State Oceanic Administration (FIO, SOA) of China, at the Eighth Intergovernmental Session of UNESCO/IOC Sub-Commission for the Western Pacific (WESTPAC-VIII) in Bali, Indonesia in May 2010.

As the first UNESCO/IOC Regional Training and Research Center, ODC center was inaugurated on 9 June 2011 at the host institute, First Institute of Oceanography, State Oceanic Administration of China. During 10-16 June 2011, the first training course on ocean models has successfully been organized in Qingdao, China with focus on ocean models. During 16-22 July 2012, the second training course of UNESCO/IOC-ODC Center had successfully finished in Qingdao, China. In this training course, 7 lecturers from US and China provided lectures focused on Ocean Dynamics and 67 trainees from 15 countries had attended to this training course.

As per the Agreement, “the objectives of the Center shall be to enhance the regional research capacity and capability on ocean dynamics, air-sea interactions, climate change and numerical modeling through, among others, provisions of regular training courses in English once a year to around 15-20 junior scientists and doctoral/master students mainly from the developing member states of IOC in the Western Pacific”.

To this end, with the constructive suggestions and overwhelming interests received from the previous two training courses (each receiving more than 60 trainees from more than 10 countries), the third Training Course on Air-Sea Interaction and Modeling will be held on 12-23 August, 2013.

Objectives and Scope of the Training course

This training course is designed to help develop the capacity of member states in the Western Pacific (suitable candidates from outside the region will also be welcome), who are involved in the research and analysis of air-sea interaction. The training will cover topics related to air-sea interaction and modeling, including the theory and numerical modeling of the air-sea interaction, the analysis of air-sea fluxes observations and estimations, and the air-sea interactions in the tropics, mid-latitude region etc.

Lecturers and Agenda for the Training Course

Experienced experts on air-sea interaction within and outside the region will serve as lecturers of this training course. Lecturers are listed as follows. Detailed agenda for the training course will be updated on the website of IOC/WESTPAC (http://westpac.unescobkk.org) and the website of the ODC Center (http://www.fio.org.cn/en/training_center/index.htm).

Prof. Raghu Murtugudde, University of Maryland, USA
Dr. Changlong Guan, Professor, Ocean University of China, China
Dr. Fangli Qiao, Professor, First Institute of Oceanography, China

Dr. Tim Li, Professor, University of Hawaii, USA
Dr. Zhaohua Wu, Associate Professor, Florida State University, USA
**Expected Outcomes**

In addition to establishing the regional network of ocean research, the trainees are expected to improve their understanding on the air-sea interaction and its modeling, enhance their ability in studying the air-sea interaction and its effects on the climate system.

**Date and Venue**

The training course will be conducted from 12-23 August 2013 in Qingdao, China. More information about this center and this training course can be found on ODC website at [http://www.fio.org.cn/en/training_center/index.htm](http://www.fio.org.cn/en/training_center/index.htm).

**Working Language**

The training course will be conducted in English.

**Trainees**

Trainees will be selected mainly from WESTPAC member states with priority given to those young scientists and junior technical staff who have experience in air-sea interaction, ocean numerical modeling, and/or have Doctoral degrees in physical oceanography. The applicants should have a good command of English.

**Financial Assistance for Participants**

The ODC Center will provide financial support for about 15 trainees mainly from developing countries. A selection committee will be set-up with a view to selecting the most qualified experts among applications to receive financial assistance. The information filled in the attached application form will be of great help for the selection process.

**Deadline for Application**

The filled-in application form shall be sent to Dr Xunqiang Yin and with a copy to Mr Wenxi Zhu at the following addresses no later than 6 June 2013. All applicants will be informed of the final selection result no later than 12 June 2013. A certain number of self-funded applicants will be also selected to take part in this training course.

**Visa**

Selected trainees traveling to China probably need to apply for entry visa to China in accordance with relevant laws and regulations. Please check the visa requirements with the Chinese Embassy/Consulate in your country and apply for it as soon as possible. The local secretariat (Dr Xunqiang Yin) will be glad to provide you any assistance upon your request.

**Contacting Information**

Dr Xunqiang Yin  
UNESCO/IOC Regional Training  
and Research Centre on Ocean  
Dynamics and Climate  
First Institute of Oceanography  
Qingdao, P. R. China  
Tel: + 86-532-8896 7415  
E-mail: yinxq@fio.org.cn

Mr Wenxi Zhu  
Head  
UNESCO/IOC Regional Office  
for the Western Pacific  
Tel: +6621411287  
Fax: +6621439245  
E-mail: w.zhu@unesco.org
**APPLICATION FORM**

*The Government of ……………………………………………………………………. proposes the nomination of the following expert to participate in the Training Course.*

<table>
<thead>
<tr>
<th>Family name</th>
<th>☐ Dr / ☐ Mr / ☐ Ms</th>
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<tbody>
<tr>
<td>First name</td>
<td></td>
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<td>Gender</td>
<td>☐ Male ☐ Female</td>
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<td>Nationality</td>
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<td>Date of birth</td>
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<tr>
<td>Education level</td>
<td>☐ Bachelor ☐ Master ☐ PhD</td>
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<tr>
<td>Graduated from:</td>
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<tr>
<td>Major:</td>
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<td>Supervisor/Advisor:</td>
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<tr>
<td>Job title</td>
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<tr>
<td>Affiliation</td>
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<tr>
<td>Years of experience in current job</td>
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<tr>
<td>Address</td>
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<tr>
<td>Tel. number(s)</td>
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<td>Fax number(s)</td>
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<tr>
<td>Email(s)</td>
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<tr>
<td>Contact person, in case of emergency</td>
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<tr>
<td>Dietary Restriction</td>
<td>☐ None ☐ No pork ☐ No beef ☐ Bachelor</td>
</tr>
<tr>
<td>☐ Other, please specify</td>
<td></td>
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<tr>
<td>Major and/or Research Area</td>
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<tr>
<td>Previous Training Courses/Workshops</td>
<td>☐ No ☐ Yes, please specify the workshop titles:</td>
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<tr>
<td>(a)</td>
<td></td>
</tr>
<tr>
<td>(b)</td>
<td></td>
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</tbody>
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Brief statement of research activities that is linked to this training course, and related publication if any (This part is crucial for qualifying, so separate pages could be annexed to this form)

Please provide with name and E-mail address of two referees whom can be contacted to support your application

<table>
<thead>
<tr>
<th>Referee #1</th>
<th>Name</th>
<th>Job title</th>
<th>Affiliation</th>
<th>Email</th>
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<tbody>
<tr>
<td>Referee #2</td>
<td>Name</td>
<td>Job title</td>
<td>Affiliation</td>
<td>Email</td>
<td>Tel</td>
</tr>
</tbody>
</table>

Financial assistance
- [ ] I could cover my expense.
- [ ] I would apply for the financial assistance.
  - [ ] Fully (including round trip airfare, accommodation);
  - [ ] On airfare in the amount of US$
  - [ ] On accommodation.

Date: .......................................................... ..........................................................
   (Signature of Head/Director of the Institution)

Please return the completed form with your Curriculum Vitae (with a 2-inch photo), by fax or e-mail to the following address before 6 June 2013:

Dr Xunqiang Yin
UNESCO/IOC Regional Training and Research Center on Ocean Dynamics and Climate
First Institute of Oceanography, China
Fax: +86-532-88967400; E-mail: yinxq@fio.org.cn

With a copy to:
Mr Wenxi Zhu
Head, IOC Regional Office for WESTPAC
Bangkok, Thailand
Fax: +66 2 143 9245; E-mail: w.zhu@unesco.org