IOC Circular Letter No. 2534
(English only)  WWW/WZ/ns
18 August 2014

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 Climate Models – IOC Regional Training and Research Center on Ocean Dynamics and Climate, Qingdao, China, 3–14 November 2014

Action required: To nominate one or more participants to the Training Course, preferably no later than 15 September 2014

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

Since its inauguration on 9 June 2011, the ODC Centre organized three training courses on: Ocean Models (10–16 June 2011); Ocean Dynamics (16-22 July 2012); and Air-Sea Interaction and Modelling (12–23 August 2013) in accordance with its establishment agreement and objectives:

"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 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".

.../...
I have the pleasure to inform you that the fourth training course at the ODC Centre is being scheduled from 3 to 14 November 2014 upon the kind invitation of the Government of China. It will focus on Climate Models. In light of the constructive suggestions and overwhelming interests received from the previous trainings, this training course will last for two weeks with the number of trainees limited to 30.

The training is designed to comprehensively introduce climate models, covering the numerical models of ocean, atmosphere, ice, land and global carbon. Six experienced experts in this field from different countries will be giving lectures as part of this training course. General information is provided in annex 1 to this letter. Updated information will be made available, in due course, at the WESTPAC website (http://iocwestpac.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 fourth training course using the attached application form (Annex 2), noting that priority will be given to young scientists and junior technical staff who have experience in climate modelling or have master/doctoral degree in related fields. Some limited funding is available from the Centre to support participants from developing countries. A selection committee will be established for this purpose.

I would appreciate your assistance in providing detail of suitable experts from your country by sending application forms duly completed to Dr Xunqiang Yin from ODC and Mr Wenxi Zhu, Head of UNESCO/IOC Regional Office for the Western Pacific (WESTPAC) as mentioned at the end of the attached general information, before 15 September 2014.

I 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

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 of the First Institute of Oceanography, State Oceanic Administration of China. During the past 3 years, 3 training courses with the subjects of Ocean Modeling, Ocean Dynamics and Air-sea Interaction respectively had been held successfully. Totally, 169 trainees from 26 countries have been trained.

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 training courses (each received more than 60 trainees from more than 10 countries), this Training Course on Climate Models will be held on 3-14 November 2014.

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 climate using numeric models. The training will cover topics related to climate models, including the components of ocean, atmosphere, land, ice and carbon, and the assessment of climate models.

Lecturers and Agenda for the Training Course

Experienced experts on climate model 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 WESTPAC (http://iocwestpac.org) and the website of the ODC Center (http://www.fio.org.cn/en/training_center/index.htm).

Prof. Yong LUO  
Center for Earth System Science/Institute for Global Change Studies, Tsinghua University, China

Prof. Fei CHAI  
School of Marine Sciences, University of Maine, USA

Prof. Ronghua ZHANG  
Institute of Oceanology, Chinese Academy of Sciences, China

Prof. Kun YANG  
Institute of Tibetan Plateau Research, Chinese Academy of Sciences, China

Prof. Fangli QIAO  
The First Institute of Oceanography, SOA, China

Prof. Song YANG  
School of Environmental Science and Engineering of Sun Tat-Sen University, China
Expected Outcomes

In addition to establishing the regional network of ocean research, the trainees are expected to improve their understanding on climate models, enhance their ability in studying the climate using coupled models.

Date and Venue

The training course will be conducted from 3 to 14 November 2014 in Qingdao, China. More information about this center and this training course can be found on the website of WESTPAC (http://iocwestpac.org) and the website of the ODC Center at 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 modelling the climate system and/or have Doctoral degrees in related major. 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 15 September 2014. All applicants will be informed of the final selection result no later than 25 September 2014. 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

<table>
<thead>
<tr>
<th>Dr Xunqiang Yin</th>
<th>Mr Wenxi Zhu</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNESCO/IÖC Regional Training and Research Center on Ocean Dynamics and Climate First Institute of Oceanography Qingdao, P. R. China</td>
<td>Head UNESCO/IÖC Regional Office for the Western Pacific (WESTPAC) Tel: +66 2 141 1287 Fax: +66 2 143 9245</td>
</tr>
<tr>
<td>Tel/Fax: +86-532-8896 7415</td>
<td>E-mail: <a href="mailto:w.zhu@unesco.org">w.zhu@unesco.org</a></td>
</tr>
<tr>
<td>E-mail: <a href="mailto:odc_center@fio.org.cn">odc_center@fio.org.cn</a></td>
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WESTPAC TRAINING COURSE ON CLIMATE MODELS
UNESCO/IOC Regional Training and Research Center on Ocean Dynamics and Climate
Qingdao, China, 3-14 November 2014

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>
</tr>
</thead>
<tbody>
<tr>
<td>First name</td>
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<tr>
<td>Gender</td>
<td>☐ Male ☐ Female</td>
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<tr>
<td>Nationality</td>
<td></td>
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<tr>
<td>Date of birth</td>
<td></td>
</tr>
<tr>
<td>Education level</td>
<td>☐ Bachelor ☐ Master ☐ PhD</td>
</tr>
<tr>
<td>Graduated from:</td>
<td></td>
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<tr>
<td>Major:</td>
<td></td>
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<tr>
<td>Supervisor/Advisor:</td>
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<tr>
<td>Job title</td>
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<tr>
<td>Affiliation</td>
<td></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>
<td></td>
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<tr>
<td>Fax number(s)</td>
<td></td>
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<tr>
<td>Email(s)</td>
<td></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>
</tr>
<tr>
<td>Major and/or Research Area</td>
<td></td>
</tr>
<tr>
<td>Previous Training Courses/Workshops</td>
<td>☐ No ☐ Yes, please specify the workshop titles:</td>
</tr>
<tr>
<td>(a)</td>
<td></td>
</tr>
<tr>
<td>(b)</td>
<td></td>
</tr>
</tbody>
</table>
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>
<th>Tel</th>
</tr>
</thead>
<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 CV (with a 2-inch photo), by fax or e-mail to the following address before **15 September 2014**:  

Dr Xunqiang Yin  
UNESCO/IOC Regional Training and Research Center on Ocean Dynamics and Climate  
First Institute of Oceanography, China  
Tel/Fax: +86-532-8896741; E-mail: odc_center@fio.org.cn

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