

## Meeting Information

**Date :**

23 March – 24 March , 2010.

**Schedule:**

From 9:15 on March 23 to 15:30 on March 24.

**Venue:**

UNESCO HQ, Paris, France

UNESCO Miollis Building

Address: 1. rue Miollis 75015 Paris, France

**Official language:**

English

**Call for participants and presentations:**

Please register by 25 December, 2009 to participate and/or to make a presentation.

A registration form can be downloaded from the workshop web page.

**\* THERE IS NO REGISTRATION FEE, but everybody must be registered due to the limited number of seats in the meeting room and to meet the security requirements of the UNESCO building.**

**Deadline for Abstracts:**

All presenters are expected to submit an abstract by 22 February, 2010.

Maximum limit to the abstract is two pages A4 .

**Accommodation:**

See workshop website

**World Wide Web URL for this workshop**

<http://www.mri-jma.go.jp/Dep/ge/2010SGONSmeeting/index.html>

**Contact**

Michio Aoyama

E-mail : [maoyama@mri-jma.go.jp](mailto:maoyama@mri-jma.go.jp)

Address : Nagamine 1-1, Tsukuba, Ibaraki, 305-0052 Japan

Tel:+81-29-853-8683

Fax:+81-29-853-8728

# 2010 PARIS MEETING OF THE JOINT IOC-ICES STUDY GROUP ON NUTRIENT STANDARDS

**23 March – 24 March, 2010**

**UNESCO HQ, Paris, France**

**UNESCO Miollis Building**

**Address: 1. rue Miollis 75015 Paris, France**

# Welcome Message

Dear colleague,

Improved comparability and traceability of data for nutrients in the world's oceans are needed to improve our knowledge of change in the deep oceans, and for studies of global change. In particular this is necessary for reliable investigation of changes in the concentrations of nutrients in the ocean, and the tightness coupling between the nitrogen, phosphorus and carbon cycles.

A Joint IOC-ICES Study Group on Nutrient Standards (SGONS), is now working to enable better comparability between data sets measured at different times, and by different laboratories. The aspiration of the IOC-ICES Study Group on Nutrient Standards is that over the next ten years quality and inter-comparability of nutrient measurements will have been improved considerably from the present position. This can be achieved by the wide-spread use of RMNS materials. This requires that RMNS be reliably produced in sufficient quantities and that the global community develops trust in their use along with the continued development of best practices. In this meeting, we shall discuss progress since February 2009 and future tasks.

We look forward to your participation.

Chairs of SGONS :

Michio AOYAMA & David HYDES

# Terms of Reference of SGONS

- (1) Develop and establish reference materials for nutrients in seawater (RMNS) collaborating with producers of currently available RMNS. Primary determinands are nitrate, nitrite, phosphate and silicate.
- (2) Collaborate and encourage the National Metrology Institute of Japan to complete certification of RMNS for nitrate, nitrite, phosphate and silicate.
- (3) Develop new sampling and measurement protocols using the RMNS.
- (4) Carry out an international collaboration exercise to verify the stability of the reference materials and test the proficiency of the new protocols.
- (5) Complete and publish a revised nutrients analysis manual.
- (6) Distribute 10,000 bottles of RMNS to laboratories measuring nutrients as part of the CLIVAR Repeat Hydrography Program to construct a global nutrient dataset referenced to the new RMNS.
- (7) Promote the use of RMNS to achieve global acceptance and enable reliable comparability between global nutrient data sets, and investigate the feasibility of expanding RMNS to include ammonium and dissolved organic matter.
- (8) Encourage collaborations that will develop additional seawater reference materials for for dissolved oxygen in seawater and the carbonate system ( dissolved inorganic carbon, total alkalinity and pH).