

Workshop Information

Date:

10 February –12 February , 2009.

Venue:

UNESCO HQ, Paris, France

UNESCO Miollis Building

Address: 1. rue Miollis 75015 Paris, France

Official language:

English

Call for participant and presentation:

Please register by 28 November, 2008 for participant and presentation.

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

*** NO REGISTRATION FEE**

Deadline of Abstracts:

All presenters would be expected to submit an abstract by 15 January, 2009. Maximum limit to the abstract is A4 two pages.

Accommodation:

See workshop website

World Wide Web of this workshop:

http://www.mri-jma.go.jp/Dep/ge/2009INSSworkshop/2009inss_workshop_index.html

Contact:

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Co-sponsors

- Intergovernmental Oceanographic Commission (IOC)
- Central Research Institute of Electric Power Industry (Japan)
- Meteorological Research Institute (MRI/Japan)
- Institut français de recherche pour l'exploitation de la mer (IFREMER/France)
- International Atomic Energy Agency (IAEA)
- Japan Agency for Marine-Earth Science and Technology (JAMSTEC /Japan)
- Kansai Electric Power Company Inc. (Japan)
- International Council for the Exploration of the Sea

2009 INSS INTERNATIONAL

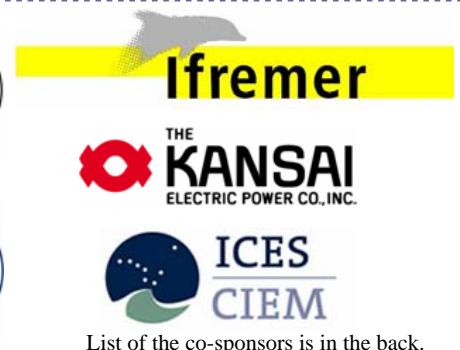
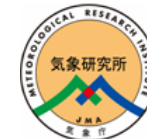
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List of the co-sponsors is in the back.

Welcome Message

Dear colleague,

The comparability and traceability of chemical data in the world's oceans are of primary importance to Marine Science, and to the studies of Global Change. With global climate changes there is the requirement for better comparability between data sets so as it is possible to investigate reliably the tight coupling between the nitrogen and phosphorus cycles in the ocean, with that of carbon.

An International Workshop on chemical reference materials in ocean science was held in Tsukuba, Japan in Oct. 2007 where participants agreed to continue the international collaborations with the aim of establishing global comparability of the nutrients data from the world ocean.

An "International Nutrients Scale System (INSS)" in seawater was agreed as the appropriate way to achieve this goal. In 2009 (Feb. 10th-12th) a second INSS international workshop will be held to discuss progresses since 2007, and discuss future tasks. We look forward to your participation.

Michio AOYAMA & The organizers

Organizers

- Michio AOYAMA / Meteorological Research Institute, Japan (MRI/JAPAN), workshop scientific secretary
- Andrew DICKSON / UC San Diego, Scripps Institution of Oceanography(SIO)
- David HYDES / National Oceanography Centre, Southampton (SOC/UK)
- Akihiko MURATA/ Japan Agency for Marine-Earth Science and Technology, Japan(JAMSTEC/JAPAN)
- Jae OH/ IAEA-Marine Environment Laboratories (MEL/IAEA)
- Patric ROOSE / Laboratory Performance Studies (QUASIMEME/EU)
- Malcolm WOODWARD/ Plymouth Marine Laboratory (PML/UK)

Workshop Objectives

- 1) Provide updated manual of nutrients analysis by INSS group
- 2) Review of usage of nutrient data and carbonate system data in oceanography and necessity of INSS
- 3) Summary report of "2008 RMNS intercomparison experiments"
- 4) Update and fix the plan of "short-term stability experiment - characterization of RMNS" in 2009-2011.
- 5) Report on the progress of certification of RMNS by NMIJ/Japan
- 6) Development of non-toxic CRMs for the CO₂ system.
- 7) Expand RMNS for DOC, DON and DOP references
- 8) Organize an international working group of INSS under a certain international organization, ex. IOCCP-IOC- UNESCO

General Programme

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| 10 Feb. 2008 | 0900-0930 Registration |
| | 0930-1000 Opening session |
| | 1000-1230 Plenary talks |
| | 1230-1430 Lunch |
| | 1430-1700 Plenary talks |
| | 1800-2000 Reception |
| 11 Feb. 2008 | 0900-1230 Sub group meetings:
INSS and CRM, Nutrients manual update,
RMs for DOM, RMs for Carbonate system |
| | 1230-1430 Lunch |
| | 1430-1700 Sub group meetings and poster session |
| | 1900- Workshop Banquet |
| 12 Feb. 2008 | 0900-1030 Reports of sub group meetings |
| | 1030-1230 Plenary talks/discussion |
| | 1230-1430 Lunch |
| | 1430-1600 Discussion/Closing session |