

**MEMORANDUM OF UNDERSTANDING FOR FORMATION OF  
IN SITU IRON STUDIES (ISIS) CONSORTIUM**

The undersigned parties (the “Institutions”) desire to establish a cooperative relationship for the research and study of ocean iron fertilization (“OIF”). This Memorandum of Understanding seeks to establish the goals and organizational structure of the ISIS Consortium. Therefore, the Institutions agree as follows:

**SECTION 1. PURPOSE**

The purpose of the ISIS Consortium is to resolve the impact of iron fertilization on marine ecosystems, to quantify its potential for removal of atmospheric carbon dioxide, and to improve our collective understanding of the changing ocean.

**SECTION 2. CONDUCT**

Research will be conducted in an open fashion, with plans and results disseminated in peer-reviewed journals, at open meetings, and in media reports. Observational and model data from such studies will in all cases be disseminated in a timely manner. Studies will be conducted according to the principles and practices set out under the London Convention/London Protocol Assessment Framework. Academic, private and government scientists will be involved in collective experiments, but shall maintain independence in their ability to report data and interpretations thereof.

**SECTION 3. FUNDING**

The Institutions will work collectively and independently to seek support for OIF research and related activities, which may include resources obtained from private, commercial and government agencies. Such funding will be used for sponsoring legitimate scientific research activities as defined by the London Convention/London Protocol Assessment Framework, and sources of research funding will be made public. OIF research activities under the ISIS Consortium will be conducted on a not-for-profit basis.

**SECTION 4. INTELLECTUAL PROPERTY**

Intellectual property developed or created by an Institution in connection with ISIS Consortium activities shall be the sole and exclusive property of such Institution and will be

protected as per applicable local, national and international laws and regulations and in accordance with such Institution's internal policies and subject to specific requirements of the funding organizations. Participants in OIF research activities will be expected to disclose all conflicts of interest

#### **SECTION 5. STRUCTURE**

Each Institution will have the right to assign an individual to serve on the ISIS Scientific Steering Committee (SSC) to assist in broad oversight and promotion of the ISIS Consortium. In addition the SSC will be tasked to design, implement and supervise OIF research experiments. The SSC will elect a Chair, who will manage the Scientific Steering Committee, as well as other aspects of ISIS Consortium activities, including legal, financial, subcontracts and operational activities as these develop. The SSC Chair will seek to organize an ISIS Consortium office to facilitate these activities and serve as a central resource for information on the ISIS Consortium and its members. It is expected that non-ISIS Consortium members will be invited to participate in ISIS activities, but only signatory parties will have a vote on the SSC.

#### **SECTION 6. NON-BINDING NATURE**

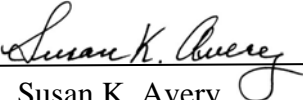
This Memorandum of Understanding does not constitute a binding agreement between the Institutions, but rather expresses their interest and objectives with respect to the matters described herein. In the future, a binding agreement (or agreements) regarding any research, project or program contemplated hereby may be created only upon the execution and delivery by each of the Institutions of one or more definitive agreements with respect to such research, project or program. Any member Institution shall have the right to withdraw from the Consortium at any time by giving thirty (30) days prior notice of withdrawal to other member Institutions.

#### **SECTION 7. DURATION AND TERMINATION**

This Memorandum of Understanding shall be effective for each Institution on the date of their signing and be valid for a period of three years after December 29, 2010. The MOU may be amended or extended with the written consent of the majority of signatory parties.

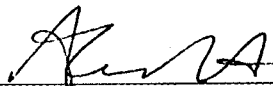
IN WITNESS WHEREOF, the party hereto has caused this Memorandum of Understanding to be executed as of this date of signing below.

WOODS HOLE OCEANOGRAPHIC INSTITUTION

By   
Name: Susan K. Avery  
Title: President and Director  
Date: January 11, 2011

IN WITNESS WHEREOF, the party hereto has caused this Memorandum of Understanding to be executed as of this date of signing below.

Natural Environment Research Council, Polaris House, North Star Avenue, Swindon, SN2 1EU, UK  
incorporated by Royal Charter in 1965 as represented by its component body the National  
Oceanography Centre

By  \_\_\_\_\_


Name: Professor Ed Hill OBE

Title: Executive Director, National Oceanography Centre

Date: 21 January 2011

IN WITNESS WHEREOF, the party hereto has caused this Memorandum of Understanding to be executed as of this date of signing below.

UNIVERSITY OF MAINE

By  Michael J. Eckardt

Name: Michael J. Eckardt, Ph.D.  
Title: Vice President for Research  
Date: 30 December 2010

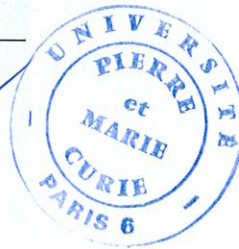
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YOUR INSTITUTION NAME HERE

7/6/2011

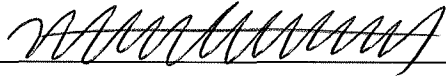
By \_\_\_\_\_  
Name: Le Président de  
Title: l'Université Pierre et Marie Curie  
Date: (Paris 6)

Jean-Charles POMEROL



IN WITNESS WHEREOF, the party hereto has caused this Memorandum of Understanding to be executed as of this date of signing below.

MARINE INSTITUTE, UNIVERSITY OF PLYMOUTH

By 

Name: Prof Martin J Attrill  
Title: Director of the Marine Institute  
Date: 11.1.11

IN WITNESS WHEREOF, the party hereto has caused this Memorandum of Understanding to be executed as of this date of signing below.

School of Ocean and Earth Science and Technology, University of Hawaii at Manoa

By Brian Taylor

Name: Brian Taylor


Title: Dean

Date: 11 January 2011



IN WITNESS WHEREOF, the party hereto has caused this Memorandum of Understanding to be executed as of this date of signing below.

Antarctic Climate and Ecosystems Cooperative Research Centre

By   
Name: ANTHONY J PRESS  
Title: CEO  
Date: 13 January 2011

IN WITNESS WHEREOF, the party hereto has caused this Memorandum of Understanding to be executed as of this date of signing below.

University of Illinois at Urbana-Champaign, Office of the Chancellor

  
\_\_\_\_\_  
Robert Easter, Interim Chancellor

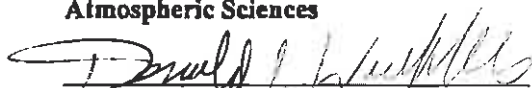
Board of Trustees of the University of Illinois

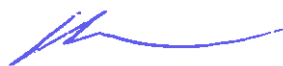
  
\_\_\_\_\_  
Walter K. Knorr, Comptroller

Attest:

  
\_\_\_\_\_  
Michele M. Thompson, Secretary


Atmospheric Sciences

  
\_\_\_\_\_  
Don Wuebbles, Professor




\_\_\_\_\_  
Robert Rauber, Professor  
Department Head

Form Approved by University Legal Counsel

  
\_\_\_\_\_

IN WITNESS WHEREOF, the party hereto has caused this Memorandum of Understanding to be executed as of this date of signing below.

San Jose State University Research Foundation on behalf of Moss Landing  
Marine Laboratories

By   
Name: Jerri Carmo  
Title: Deputy Chief Operating Officer

Date: 4/14/11

IN WITNESS WHEREOF, the party hereto has caused this Memorandum of Understanding to be executed as of this date of signing below.

Xiamen University (厦门大学)

By \_\_\_\_\_

Name: \_\_\_\_\_

Title: Xiamen University

Date: Jan. 18, 2011

Chongshi Zhu, President, Xiamen University

IN WITNESS WHEREOF, the party hereto has caused this Memorandum of Understanding to be executed as of this date of signing below.


**University of Massachusetts Boston**

By \_\_\_\_\_

**Winston E. Langley**  
**Provost and Vice Chancellor for Academic Affairs**  
**January 18, 2011**

IN WITNESS WHEREOF, the party hereto has caused this Memorandum of Understanding to be executed as of this date of signing below.

UNIVERSITY OF RHODE ISLAND

By   
Name: Robert A. Weygand  
Title: Vice President for Administration & Finance  
Date: January 21, 2011

IN WITNESS WHEREOF, the party hereto has caused this Memorandum of Understanding to be executed as of this date of signing below.

YOUR INSTITUTION NAME HERE

NIOZ: Royal Netherlands Institute for  
Sea Research

By \_\_\_\_\_

Name:

Title:

Date:

Prof. dr. H. Ridderinkhof  
Deputy Director

10-02-2011

