



INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS  
CONSEIL INTERNATIONAL DES UNIONS SCIENTIFIQUES

SECRETARIAT

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Officers

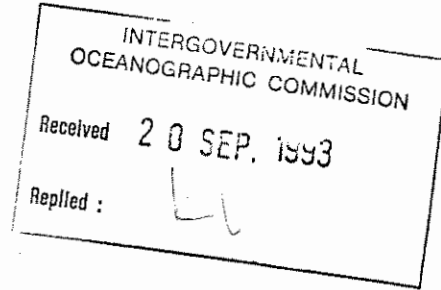
Prof. M.G.K. Menon (India), President  
Prof. J.C.I. Dooge (Ireland), President-Elect  
Prof. W.E. Gordon (USA), Vice-President  
Prof. J.W.M. la Rivière (Netherlands), Secretary General  
Dr. M. Petit (France), Treasurer

JML/em/2.46.ii

Paris, 17 September 1993

1993-68

To: Gunnar Kullenberg  
From: Julia Marton-Lefèvre  
Executive Director  
Re: GOOS MOU



Dear Gunnar,

I am pleased to attach the original of the GOOS MOU signed on behalf of ICSU by Professor J.W.M. la Rivière, Secretary General.

X May I ask that your office note that the address of ICSU's Secretary General (we will have a new person as of 10 October) should always be this office so as to avoid undue delays.

I look forward to our next discussion about the membership and other arrangements of J-GOOS.

Best regards,

Julia

**MEMORANDUM OF UNDERSTANDING BETWEEN THE  
INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION,  
THE WORLD METEOROLOGICAL ORGANIZATION AND THE  
INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS  
ON THE CO-SPONSORSHIP OF THE  
JOINT GOOS SCIENTIFIC AND TECHNICAL COMMITTEE**

The Intergovernmental Oceanographic Commission (IOC), the World Meteorological Organization (WMO) and the International Council of Scientific Unions (ICSU),

Recognizing the initiative of the IOC to create an operational Global Ocean Observing System (GOOS) for the purpose of collecting comprehensive information on the properties and variability of the Earth's ocean system; for assisting in the detection of climate change and assessing its impact; to provide a basis for the development of national and international policies for resource management, coastal development and management; for assessing and preserving the health of the ocean; and for promoting related capacity building and ocean science and its application,

Considering that the required information and interpretation will involve data from activities designed specifically for GOOS, as well as from existing operational oceanographic and meteorological programmes, and data, observations and understanding from a variety of research programmes, and that the GOOS will collaborate with the Global Climate Observing System (GCOS) in the definition and the implementation of the ocean-related component of the GCOS, as provided for in the Memorandum of Understanding which set up the GCOS, signed by WMO, IOC, ICSU and UNEP,

Recalling that the mandate of ICSU is to foster international co-operation in scientific research and the application of scientific knowledge to improving our understanding and stewardship of the global environment, and that the special responsibilities of IOC and WMO include encouraging the co-operative action of governments in all matters dealing with the ocean and atmosphere,

Agree to co-operate in the scientifically based design and planning phase of the Global Ocean Observing System for the following reasons:

- (i) the planning effort requires the full involvement of the scientific community as represented by both intergovernmental and non-governmental organizations, such as the IOC, WMO and ICSU,
- (ii) the design and testing process will result in broadly applicable scientific and technical advances,
- (iii) the prospect that when GOOS becomes operational it will provide data that will also advance our scientific understanding of the ocean and enhance the data sets being acquired by the on-going and planned research programmes such as those of IOC, IGBP, WCRP and SCOR,
- (iv) the ocean data set to be provided by GOOS is a valuable component of that required for the GCOS,
- (v) there will be important benefits from GOOS for a wide range of marine activities including fisheries, coastal seas management, shipping, off-shore mining and waste disposal.

Agree, therefore, that the proposal to establish a GOOS Technical and Scientific Advisory Panel (Resolution IOC XXV.3) shall be implemented jointly by IOC, WMO and ICSU by establishing a Joint GOOS Scientific and Technical Committee (J-GOOS) which shall operate in accordance with the following principles:

The IOC-WMO Intergovernmental Committee for GOOS (I-GOOS) is the recognized forum for discussion between governments of the nations participating in GOOS, for the commitment of resources for GOOS implementation and related oversight.

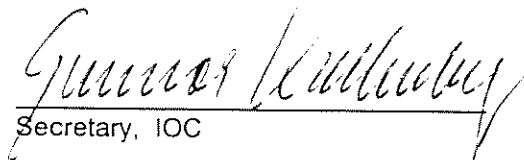
The J-GOOS will be recognized as the primary international body responsible for the scientifically based design and planning phases and testing of GOOS, and related oversight.

- (iii) The initial sponsors of J-GOOS should be IOC, WMO and ICSU. The Scientific Committee on Oceanic Research of ICSU, being the principal ICSU body responsible for matters relating to ocean research, and, at the same time, the principal Scientific Advisory Body to the IOC, shall be involved in the scientifically based design and planning for GOOS.
- (iv) The Executive Heads of IOC, WMO and ICSU after consultation with the appropriate Members of their organizations and in accordance with the procedures outlined in the Annex to this Memorandum, shall jointly:
- (a) Appoint the Chairman and members of J-GOOS,
  - (b) Arrange for the expansion of the existing GOOS Support Office located within the IOC Secretariat to include a J-GOOS Director and staff,
  - (c) Arrange for the necessary financial support for J-GOOS and its support staff in accordance with the provisions of Section 7 of the Annex to this Memorandum,
  - (d) Ensure the development of an appropriate mechanism for the co-ordination of I-GOOS and J-GOOS activities, and taking into account the financial support, staff, etc. made available by the sponsoring organizations of the two bodies.


This Memorandum of Understanding shall come into effect on the **First day of September, 1993** and may be reviewed at any time at the request of one of the parties. Otherwise, it shall continue for a period of five years or until all parties agree that it should be terminated.

Other international partners in GOOS may become co-sponsors of J-GOOS with the agreement of the initial parties to this Memorandum.

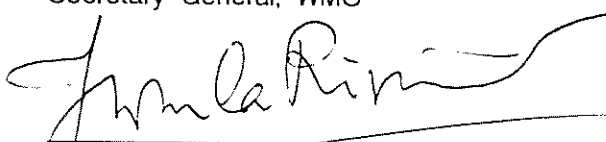
Signed:

 19/8/93  
Secretary, IOC

Signed:

 3/9/93  
Secretary General, WMO

Signed:

 15/9/93  
Secretary General, ICSU

## ANNEX A

TERMS OF REFERENCE, STRUCTURE, FUNCTIONS AND FINANCIAL ARRANGEMENTS  
FOR THE JOINT SCIENTIFIC AND TECHNICAL COMMITTEE FOR THE GLOBAL OCEAN  
OBSERVING SYSTEM AND ITS SUPPORT STAFF

1. TERMS OF REFERENCE

1.1 The Joint GOOS Scientific and Technical Committee (J-GOOS) shall:

- (a) be responsible for all the scientific and technical aspects of GOOS design, and undertake appropriate activities to support the design process,
- (b) instruct the Director of J-GOOS support staff in the duties to be performed by the J-GOOS support staff,
- (c) report to the sponsoring organizations at least once a year.

1.2 Specifically, the J-GOOS will:

- (a) establish, after consultation with its sponsoring organizations, required subordinate bodies,
- (b) identify observational requirements ("user needs") and products in co-operation with I-GOOS; define design objectives; and recommend co-ordinated actions by the sponsoring organizations and other relevant organizations and agencies,
- (c) advise the Intergovernmental Committee for GOOS (I-GOOS) on all scientific and technical aspects of GOOS, and take into account the proposals of I-GOOS as they have implications for scientific and technical planning for GOOS,
- (d) collaborate with the Joint WMO-IOC-ICSU-UNEP Scientific and Technical Committee for GCOS, and its Joint Planning Office, and other appropriate bodies,
- (e) review and assess the progressive development and implementation of components of GOOS,
- (f) identify and encourage research efforts, in close co-operation with the on-going research programmes (IGBP and WCRP) in order to promote studies of importance for the development of GOOS,
- (g) encourage the development of new technologies needed for GOOS.

2. MEMBERSHIP

2.1 J-GOOS should contain up to twelve Ordinary Members who will be scientific and technical experts, selected on the basis of their personal expertise, so as to provide a balanced representation of the major scientific and technical disciplines and of the major operational and research programmes contributing to GOOS.

2.2 The Ordinary Members of J-GOOS will be appointed jointly by the heads of its sponsoring organizations.

2.3 Each of the sponsoring organizations shall appoint two representative members to the J-GOOS. The Chairmen of the subordinate bodies set up by J-GOOS shall also be members of J-GOOS. The Chairman of the JSTC for GCOS will be invited to appoint a member of J-GOOS.

The members of J-GOOS will be appointed for an initial period of three years and may be invited to serve an additional term of two years, but shall not normally serve for more than five successive years. The membership will be reviewed by the sponsors of J-GOOS after every two years. Membership shall be rotated in a manner which will ensure continuity as well as an influx of new members.

### 3. OFFICERS

3.1 The Officers of J-GOOS shall be its Chairman and a Vice-Chairman, selected by the sponsoring organizations after consultation with relevant bodies and appointed for an initial period of three years and may be invited to serve an additional two years.

3.2 The duties of the Chairman of J-GOOS, in close consultation with the Vice-Chairman, shall be:

- (a) to preside over sessions of J-GOOS,
- (b) to conduct the business of the J-GOOS between its sessions, in consultation with its Vice-Chairman, other members of J-GOOS as needed, the J-GOOS support staff Director (see below) and with its sponsors and other international organizations as appropriate,
- (c) to ensure regular communication and co-ordination with the Chairman and support staff Director of the I-GOOS,
- (d) to be responsible for the editorial control of all scientific and technical reports prepared on behalf of J-GOOS,
- (e) to prepare an annual report on GOOS planning activities including the recommendations of J-GOOS for presentation to the sponsoring organizations, to I-GOOS and to the JSTC for GCOS.

3.3 The Vice-Chairman shall assist the Chairman as needed and shall assume the responsibilities of the Chairman should the need arise.

### 4. MEETINGS

4.1 The J-GOOS shall meet at least annually, the venue and dates to be established by the Committee.

4.2 The Director of J-GOOS support staff shall make the necessary practical arrangements for the meetings of the Committee and of its subordinate bodies and shall inform the Committee members, the sponsoring organizations and other participating organizations and agencies accordingly.

4.3 The attendance of representatives of sponsoring organizations at J-GOOS meetings shall be charged to the organizations concerned. Representatives of other relevant organizations and agencies may be invited by the Chairman, in consultation with the sponsoring organizations, to attend J-GOOS meetings as observers at the expense of the organizations concerned.

4.4 Individual experts may be invited by the Chairman to participate in meetings of J-GOOS as needed. The sponsoring organizations should be informed of such decisions which should be of an occasional nature.

### 5. SUBSIDIARY BODIES

5.1 The J-GOOS shall be authorized to establish panels, working groups and to engage consultants, etc. within the scope of its responsibilities. It should do this in consultation with its sponsoring organizations, taking into account the existing technical and scientific groups established by these organizations and the budget available for the work of the Committee.

Such groups should normally be appointed for a period not to exceed four years and the progress of each J-GOOS subsidiary body should be carefully reviewed by the Committee every two years.

## 6. J-GOOS SUPPORT STAFF

6.1 The existing GOOS Support Office located at the IOC Secretariat shall be expanded to assist in the development of the scientifically and technically-based plans for GOOS, to provide staff support to the Committee and its Officers and to facilitate co-ordination with the I-GOOS, the I-GOOS staff, and with the GCOS Planning Staff.

6.2 A Director of J-GOOS shall be appointed by the sponsoring organizations in agreement with the Officers of J-GOOS.

6.3 The Director and staff of the J-GOOS shall not be assigned duties outside the objectives of J-GOOS without the specific approval of the co-sponsoring organizations.

6.4 The Director will be responsible to the Officers of J-GOOS, acting on behalf of the sponsoring organizations.

6.5 The J-GOOS support staff, under the responsibility of its Director, shall be charged with:

- (a) assisting the J-GOOS in preparing scientifically and technically-based plans for the development of GOOS,
- (b) providing staff support to the J-GOOS and its Officers and to the subsidiary bodies established by the Committee,
- (c) maintaining liaison with the sponsoring organizations and other relevant bodies,
- (d) maintaining liaison with the I-GOOS and its support staff,
- (e) making arrangements for scientifically and technically-based planning and related co-ordination activities,
- (f) the preparation of annual budgets for J-GOOS activities for approval by the Officers of J-GOOS and the sponsoring organizations and for regular reporting on the use of funds made available to the J-GOOS in accordance with the provisions of section 7 of this Annex.

6.6 The continuity of these arrangements and of the necessary financial support for the J-GOOS support staff and planning activities shall be reviewed periodically by the sponsoring organizations and the Officers of J-GOOS.

## 7. FINANCIAL AND OTHER ARRANGEMENTS FOR J-GOOS SUPPORT

7.1 The planning activities of, and support staff for, J-GOOS will be financed through earmarked budgetary allocations to the IOC Trust Fund from the sponsoring organizations, supporting nations and participating organizations and agencies.

7.2 These entities may also make contributions in kind to J-GOOS, such as secondment of staff, provision of facilities and support for meetings, publications, etc.

7.3 Should the activities of J-GOOS be terminated, the balance of the related contributions to the IOC Trust Fund, after all financial commitments are settled, shall be shared between the sponsoring organizations and other donors to the Fund in proportion to their respective contributions to it, for the last accounting period.