

Twenty-second Session of the Executive Council

Paris, 3 July 1989

In this Series	Languages
Reports of Governing and Major Subsidiary Bodies , which was initiated at the beginning of 1984, the reports of the following meetings have already been issued:	
1. Eleventh Session of the Working Committee on international Oceanographic Data Exchange	E, F, S, R
2. Seventeenth Session of the Executive Council	E, F, S, R, Ar
3. Fourth Session of the Working Committee for Training, Education and Mutual Assistance	E, F, S, R
4. Fifth Session of the Working Committee for the Global Investigation of Pollution in the Marine Environment	E, F, S, R
5. First Session of the IOC Sub-Commission for the Caribbean and Adjacent Regions	E, F, S
6. Third Session of the <i>ad hoc</i> Task Team to Study the Implications, for the Commission, of the UN Convention on the Law of the Sea and the New Ocean Regime	E, F, S, R
7. First Session of the Programme Group on Ocean Processes and Climate	E, F, S, R
8. Eighteenth Session of the Executive Council	E, F, S, R, Ar
9. Thirteenth Session of the Assembly	E, F, S, R, Ar
10. Tenth Session of the International Co-ordination Group for the Tsunami Warning System in the Pacific	E, F, S, R
11. Nineteenth Session of the Executive Council	E, F, S, R, Ar
12. Sixth Session of the IOC Scientific Committee for the Global Investigation of Pollution in the Marine Environment	E, F, S
13. Twelfth Session of the IOC Working Committee on International Oceanographic Data Exchange	E, F, S, R
14. Second Session of the IOC Sub-Commission for the Caribbean and Adjacent Regions	E, F, S
15. First Session of the IOC Regional Committee for the Central Eastern Atlantic	E, F, S
16. Second Session of the IOC Programme Group on Ocean Processes and Climate	E, F, S
17. Twentieth Session of the Executive Council	E, F, S, R, Ar
18. Fourteenth Session of the Assembly	E, F, S, R, Ar
19. Fifth Session of the IOC Regional Committee for the Southern Ocean	E, F, S, R
20. Eleventh Session of the International Co-ordination Group for the Tsunami Warning System in the Pacific	E, F, S, R
21. Second Session of the IOC Regional Committee for the Co-operative Investigation in the North and Central Western Indian Ocean	E, F
22. Fourth Session of the IOC Regional Committee for the Western Pacific	E only
23. Twenty-first Session of the Executive Council	E, F, S, R
24. Twenty-second Session of the Executive Council	E, F, S, R

TABLE OF CONTENTS

SUMMARY REPORT		Page
1.	OPENING	1
2.	ADMINISTRATIVE ARRANGEMENTS	1
2.1	DESIGNATION OF THE RAPPORTEUR	1
2.2	ADOPTION OF THE AGENDA	1
2.3	CONDUCT OF THE SESSION	1
3.	ADMINISTRATIVE ARRANGEMENTS FOR THE FIFTEENTH SESSION OF THE ASSEMBLY	1
3.1	NOMINATIONS COMMITTEE AND ELECTIONS	1
3.1.1	Appointment of the Nominations Committee	1
3.1.2	Number of Seats on the Executive Council	1
3.2	RESOLUTIONS COMMITTEE	2
3.2.1	Amendments to the Guidelines for the Preparation and Consideration of Draft Resolutions	2
3.2.2	Formation of the Resolutions Committee	3
3.3	TIMETABLE	3
4.	DATES AND PLACE OF THE TWENTY-THIRD SESSION OF THE EXECUTIVE COUNCIL	3
5.	ADOPTION OF THE SUMMARY REPORT	4
6.	CLOSURE	4
 ANNEXES		
I	Agenda	
II	List of Participants	

1. OPENING

The Chairman called the Council to order at 09.30 on 3 July 1989. He reminded the Council that, at this Session, it was acting as the Steering Committee for the Fifteenth Session of the Assembly, in accordance with Rule of Procedure No. 12(2).

2. ADMINISTRATIVE ARRANGEMENTS

2.1 DESIGNATION OF THE RAPPORTEUR

The Executive Council accepted the proposal by the United Kingdom to designate Dr. J. Elliott (Canada) as Rapporteur for the session.

2.2 ADOPTION OF THE AGENDA

The Executive Council adopted the Agenda as reproduced in Annex I hereto.

2.3 CONDUCT OF THE SESSION

The Executive Council agreed to complete the consideration of its Agenda by the end of the morning session and to adopt the Summary Report at the end of the afternoon. A List of Participants is attached as Annex II hereto.

3. ADMINISTRATIVE ARRANGEMENTS FOR THE FIFTEENTH SESSION OF THE ASSEMBLY

3.1 NOMINATIONS COMMITTEE AND ELECTIONS

3.1.1 APPOINTMENT OF THE NOMINATIONS COMMITTEE

In pursuance of Rule of Procedure 12, paragraph 2, the Executive Council, as Steering Committee of the Assembly, decided on the following composition of the Nominations Committee for the Fifteenth Session of the Assembly: Poland (Chairman), Chile, China, Egypt, Italy, Japan, Senegal, USSR and USA.

3.1.2 NUMBER OF SEATS ON THE EXECUTIVE COUNCIL

The Executive Council recalled that the General Conference of Unesco, at its Twenty-Fourth Session (Paris, 20 October - 20 November 1987), had approved unanimously the amendments to the Statutes of the Commission adopted by the Assembly at its Fourteenth Session (Paris, 17 March - 1 April 1987). In particular, Article 5, paragraph 4(b) of the Statutes now reads:

"[The Assembly shall elect] ... a number of Member States to the Executive Council, which number shall not exceed one quarter of the Member States of the Commission; ..."

Since the Fourteenth Session of the Assembly, the number of Member States of the Commission changed from 115 to 117 through notification to the Director General of Unesco of the membership of the Maldives on 20 May 1987 and of Myanmar on 7 June 1988. The number of Member States to the Executive Council could therefore be 29 instead of 28 as presently. On the other hand, Rule of Procedure 18, paragraph 1, presently reads:

"The Executive Council shall consist of the Chairman, the four Vice-Chairmen and the representatives of twenty-eight Member States of the Commission to be elected by the Assembly in accordance with Article 5 of the Statutes of the Commission. State Members of the Executive Council shall be eligible for re-election."

(Reference: Resolution XIII-20 adopted by the Assembly at its thirteenth session (Paris, 12-28 March 1985)).

8 The Executive Council recalled the opinion consistently voiced by the Assembly that it would be of considerable benefit to the Commission's work to have as large a membership of the Executive Council as possible. It **considered** that this should be reflected in Rule of Procedure 18, paragraph 1, and **decided** accordingly to submit to the Assembly Draft Resolution IOC-XV/DR.(11)1 - Membership of the Executive Council.

9 The Executive Council further considered that the Draft Resolution should be put before the Assembly just prior to the elections to make sure that the quorum of "a majority of all Member States of the Commission" be met (reference: Rule of Procedure 57). It instructed the Secretary to inform the Assembly of the above under Agenda Item 3.3 - Conduct of the Session, Timetable and Documentation.

3.2 RESOLUTIONS COMMITTEE

3.2.1 AMENDMENTS TO THE GUIDELINES FOR THE PREPARATION AND CONSIDERATION OF DRAFT RESOLUTIONS

10 The Executive Council reviewed a proposal considered by the ad hoc Study Group on Measures to Ensure Adequate and Dependable Resources for the Commission's Programme of Work to amend the Guidelines for the Preparation and Consideration of Draft Resolutions (Document IOC/EC-XXII/6 Annex 1). Such amendments take into account instances where the Resolutions Committee may find it difficult to adhere to all criteria found in the present Guidelines, viz:

- (i) consideration of a Draft Resolution prior to its discussion during the session; and
- (ii) consideration of a Draft Resolution emanating from plenary discussion, that in the view of the Resolutions Committee does not reflect adequately the conclusions of the Plenary.

11 The Executive Council considered that the proposed amendments to the Guidelines appropriately addressed these two issues and also clarified other points in the text used heretofore. It further considered that it was necessary to ensure, as far as possible, that various available language versions of the Draft Resolutions be consistent. The Executive Council therefore **decided** to adopt the revised Guidelines for implementation during the Fifteenth Session of the Assembly and **instructed** the Secretary to arrange for having the new version of the Guidelines translated into the other three working languages of the Commission and published as soon as possible.

3.2.2 FORMATION OF THE RESOLUTIONS COMMITTEE

12 The Executive Council recalled that, although it has no statutory duty to appoint a Resolutions Committee for the Assembly, it has been a practice to recommend the membership thereof, in its capacity as Steering Committee for the Assembly, since its Sixteenth Session (Paris, 2 November 1982). It therefore agreed to continue this practice and accordingly recommended to the Assembly the following composition of the Resolutions Committee: Dr. A. Yankov (Chairman, in his capacity as Second Vice-Chairman of the Commission), Algeria, Argentina, Brazil, China, Costa Rica, France, Germany (Federal Republic of), India, Japan, Kenya, Mexico, Pakistan, Peru, Thailand, USSR, UK (Vice-Chairman) and USA.

13

In making such a recommendation to the Assembly, the Executive Council recognized that a more limited composition would facilitate the work of the Committee. It was therefore suggested that, in future, steps be taken to allow for a reduced composition of the Resolutions Committee, perhaps about 12 members, provided that all the working languages of the Commission be duly represented thereon. The Executive Council decided to refer the study of this suggestion to the ad hoc Study Group on Resources to Ensure Adequate and Dependable Resources for the Commission's Programme of Work.

3.3 TIMETABLE

14

The Executive Council agreed with the Timetable for the work of the Fifteenth Session of the Assembly as given in Document IOC-XV/1 prov. Add. rev. 3. In so doing, the Executive Council expressed concern that there was no provision for discussing matters on Ocean Science in Relation to Living Resources (OSLR) during the Session and agreed that this should be done under Agenda Items 4.1 - Secretary's Report on Intersessional Activities, 4.2 - Adoption of the Biennial Report for 1987-1988 and 5.5 - The ICSU International Geosphere-Biosphere Programme (IGBP), in addition to Agenda Item 7.2 - Proposal for the Establishment of a Sub-Commission for the Western Pacific (WESTPAC), for relevant regional components of OSLR.

4. DATES AND PLACE OF THE TWENTY-THIRD SESSION OF THE EXECUTIVE COUNCIL

15

In discussing a proposal by the Secretary that its Twenty-third Session be held in Paris, 5-15 March 1990 and an alternative proposal for the September-December period in Paris or elsewhere made by the Delegate of the United Kingdom, and comments made thereon by other Delegates, the Council took into account:

- (i) the distribution of the workload of the Commission and the need to ensure a proper balance between meetings of IOC governing and subsidiary bodies;
- (ii) the need to ensure appropriate secretariat services and related documentation in good time prior to sessions;
- (iii) facilities available at Unesco Headquarters, in particular conference rooms, during 1990;
- (iv) implications to the scheduling of subsequent sessions of the Executive Council and Assembly;
- (v) scheduling of the Unesco General Conference and Executive Board, so as to ensure appropriate communication with these bodies, as well as the planning of major relevant scientific meetings such as the Second World Climate Conference, the statutory meeting of ICES; and,
- (vi) possible financial and other implications, including the provision of support and services by the Permanent Delegations to Unesco, of reviving the former practice of holding Executive Council sessions in a Member State.

16

The Executive Council was of the view that the matter required careful consideration and requested the First Vice-Chairman to arrange an informal meeting of the ad hoc Study Group on Measures to Ensure Adequate and Dependable Resources for the Commission's Programme of Work during the first week of the Assembly so as to report to the plenary session under Agenda Item 12. The members of the ad hoc Study Group were requested to bear in mind the views expressed during the present session of the Council and to ensure appropriate interface with interested delegations.

17 Pending the considerations raised by the informal meeting of the ad hoc Study Group and subsequent decision of the Assembly under Agenda Item 12, the **Executive Council** **decided** in principle to maintain plans for its Twenty-third Session in March 1990.

5. ADOPTION OF THE SUMMARY REPORT

18 On a motion of the Delegates of Costa Rica and Italy, seconded by the Delegates of Cuba, Greece and India, the **Executive Council** **adopted** the Summary Report of its Twenty-second Session.

19 The **Executive Council** **thanked** the Rapporteur for his work in the preparation of the Draft Summary Report.

6. CLOSURE

20 The Chairman closed the Session at 18.15 on 3 July 1989.

ANNEX I

AGENDA

1. **OPENING**
2. **ADMINISTRATIVE ARRANGEMENTS**
 - 2.1 **DESIGNATION OF THE RAPPORTEUR**
 - 2.2 **ADOPTION OF THE AGENDA**
 - 2.3 **CONDUCT OF THE SESSION**
3. **ADMINISTRATIVE ARRANGEMENTS FOR THE FIFTEENTH SESSION OF THE ASSEMBLY**
 - 3.1 **NOMINATIONS COMMITTEE AND ELECTIONS**
 - 3.1.1 **Appointment of the Nominations Committee**
 - 3.1.2 **Number of Seats on the Executive Council**
 - 3.2 **RESOLUTIONS COMMITTEE**
 - 3.2.1 **Amendments to the Guidelines for the Preparation and Consideration of Draft Resolutions**
 - 3.2.2 **Formation of the Resolutions Committee**
 - 3.3 **TIMETABLE**
4. **DATES AND PLACE OF THE TWENTY-THIRD SESSION OF THE EXECUTIVE COUNCIL**
5. **ADOPTION OF THE SUMMARY REPORT**
6. **CLOSURE**

ANNEX II/ANNEXE II/ANEXO II/
ПРИЛОЖЕНИЕ II/الملحق الثاني/
附件 II

LIST OF PARTICIPANTS/LISTE DES PARTICIPANTS/
LISTA DE PARTICIPANTES/СПИСОК УЧАСТНИКОВ
قائمة المشتركين /与会者名单

Names and titles in the following lists are reproduced as handed in to the Secretariat by the delegations concerned. Countries are shown in the English alphabetical order.

Фамилии и звания, указанные в нижеприведенном списке, воспроизводятся в том виде, в каком они были представлены Секретариату соответствующими делегациями. Страны перечислены в порядке английского алфавита.

Les noms et titres qui figurent dans les listes ci-après sont reproduits dans la forme où ils ont été communiqués au Secrétariat par les délégations intéressées. Les pays sont mentionnés dans l'ordre alphabétique anglais.

أدرجت الأسماء والألقاب في هذه القائمة كما قدمتها للسكرتارية الوفود المعنية، ورتبت أسماء البلاد بحسب الترتيب الهجائي الانجليزي.

Los nombres y títulos que figuran en las listas siguientes se reproducen en la forma en que las delegaciones interesadas los han comunicado a la Secretaría. Los países se mencionan en el orden alfabético inglés.

下列名单系根据各有关代表团提交秘书处之姓名和头衔复制。国名按英文字母顺序排列。

**I. IOC OFFICERS/BUREAU DE LA COI/
MESA DE LA COI/ДОЛЖНОСТНЫЕ ЛИЦА/
اعضاء هيئة مكتب كوي
政府间海洋学委员会主席团**

Chairman

Prof. Ulf Lie
Department of Marine Biology
University of Bergen
N - 5065 Blomsterdalen
NORWAY
Tel: (47) 522 62 00
Cbl: BLOSTATION
Tlm: U.Lie

First Vice-Chairman

Prof. Manuel Maria Murillo
Director, Centro de Investigacion
en Ciencias del Mar y Limnologia (CIMAR)
Universidad de Costa Rica
San Jose
COSTA RICA
Tel: 24 37 10/24 92 94
Tlx: 2544 UNICORI

Third Vice-Chairman

M. Samuel O. Allela *
Director, Kenya Marine and Fisheries
Research Institute
P.O. Box 81651
Mombasa
KENYA
Tel: 472333/472270/472260
Cbl: KMFRI MOMBASA

Second Vice-Chairman

Prof. Alexander Yankov *
Vice-President
Bulgarian Academy of Sciences
1, 7 November Str.
1000 - Sofia
BULGARIA
Tel: 87 46 24
Tlx: 22424
Cbl: 22424 BAN BG

Fourth Vice-Chairman

Dr. Aprilani Soegiarto *
Deputy-Chairman
Indonesian Institute of Sciences - LIPI
Jl. Gatot Subroto 10
Jakarta
INDONESIA
Tel: (021) 51 23 62
Tlx: 45875 PDII IA
Cbl: LIPI

* Unable to attend

**II. PARTICIPANTS FROM MEMBER STATES/
PARTICIPANTS DES ÉTATS MEMBRES/
PARTICIPANTES DE LOS ESTADOS MIEM-
BROS/
УЧАСТНИКИ ОТ ГОСУДАРСТВ-ЧЛЕНОВ/
مشترون من دول اعضاء/
会员国与会者**

Algeria/Algérie/Argelia/Алжир/الجزائر
阿尔及利亚

Head of Delegation

Mr. Nouredine Gaouaou
Délégation Permanente de l'Algérie auprès
de l'Unesco
1, rue Miollis
75015 Paris
Tel: 45 68 30 06

**Argentina/Argentine/Argentina/Аргентина/
الارجنتين / 阿根廷**

Head of Delegation

Sr. Eduardo M. de L. Airdi
Ministro Plenipotenciario
Encargado de Negocios a.i.
Delegacion Permanente de Argentina ante
la Unesco
1, rue Miollis
75015 Paris
Tel: 45 68 34 38

Representative

Sr. Ricardo L. Bocalandro
Delegacion Permanente de Argentina ante
la Unesco
1, rue Miollis
75015 Paris
Tel: 45 68 34 38

**Australia/Australie/Australia/Австралия/
استراليا / 澳大利亚**

Head of Delegation

Dr. Roy Green
Director, CSIRO Institute of Natural
Resources and Environment
P.O. Box 225
Dickson, ACT 2602
Tel: (62) 484614
Tlx: AA 62003
Fax: (62) 484207

Alternate

Dr. Angus McEwan
Chief, CSIRO Division of Oceanography
P.O. Box 1538
Hobart - 7001
Tasmania
Tel: (002) 206212
Fax: (002) 240530
Tlm: A.McEwan
(Also Chairman CCCC)

Representative

Mr. Robert N. Harriss
c/o CSIRO Institute of Natural Resources
and Environment
P.O. Box 225
Dickson, ACT 2602
Tel: (62) 761027
Fax: (62) 484207

**Brazil/Brésil/Brasil/Бразилия/البرازيل /
巴西**

Head of Delegation

Contre-Amiral Luiz-Philippe da Costa
Fernandes
Directeur de l'Hydrographie et de la
Navigation
Ministère de la Marine
Rua Almirante Jaceguay S/Nº
Ponta da Armacao
Rio de Janeiro
24040 Niteroi, RJ
Tel: (5521) 717 04 23
Tlx: 2134043 MMAR BR
Cbl: NAVEMAR

Representatives

Capitao de Mar e Guerra Luiz Carlos
Ferreira da Silva
Secrétaire-Adjoint de la Commission
Interministerielle pour les Ressources
de la Mer
Esplanada dos Ministerios
Ministerio da Marinha, Bloco "N"
4º Andar - Brasilia DF
Brasil CEP 70055
Tel: (061) 226-8647
Tlx: (061) 1392

Conseiller Antonio Guerreiro
Chef de la Division de la Mer, de
l'Antarctique et de l'Espace
Ministère des Relations Extérieures
Brasilia
Tel: (021) 2116367

Capitaine-de-Corvette Joao Bosco
Rodrigues Alvarenga
Division de l'Hydrographie et de la
Navigation
Ministère de la Marine
Rua Barai de Jaceguay S/Nº
24040 Niteroi, RJ
Brasil CEP
Tel: (719) 2626 - R 134
Tlx: (021) 34043
Cbl: NAVEMAR

Mr. Caio Marcio Ranieri Colombo
Délégation Permanente du Brésil auprès de
l'Unesco
1, rue Miollis
75015 Paris
Tel: 45 68 28 33

Bulgaria/Bulgarie/Bulgaria/България/
بلغاريا/ 保加利亚

Head of Delegation

Mr. Michael Ganchev
Secretary-General
Bulgarian National Committee for
Oceanographic
Ministry for Economy and Planning
Ecsarh Iosif Street 31
Sofia
Tel: 71 80 77
Tlx: 22348 TEHPRO BG

Alternate

Prof. Gueorgui Detchev
Head, Laboratory of Ecology and
Protection of the Sea
Bulgarian Academy of Sciences, NICZEOOS
2, Gagarin str.
Sofia 1113
Tel: 722381 Ext. 163

Canada/Canada/Канада/ كندا/
加拿大

Head of Delegation

Dr. William G. Doubleday
Sous-Ministre Adjoint Intérimaire
Sciences, Ministère des Pêches et des
Océans
200 Kent Street
Ottawa KIA OE6
Tel: (613) 993-0850
Tlx: 053-4228
Cbl: DFO/MPO OTT
Fax: (613) 990 6050
Tlm: Oceanscience.Ottawa

Alternate

Mr. Geoffrey L. Holland
Directeur-Général
Sciences Physiques et Chimiques
Ministère des Pêches et des Océans
200, rue Kent, Bureau 1208
Ottawa, Ontario K2K 1R3
Tel: (613) 990-0298
Tlx: 053 4228
Cbl: DFO/MPO OTT
Fax: 990.6050
Tlm: Oceanscience.Ottawa

Adviser

Dr. James A. Elliott
Directeur, Sciences Physiques et
Chimiques
Scotia-Fundy
Bedford Institute of Oceanography
P.O. Box 1006
Dartmouth, Nova Scotia B2Y 4A2
Tel: (902) 426-7456
Tlx: 019-31552
Tlm: Oceanscience.Ottawa

China/Chine/China/Kwataï/ الصين /
中 国

Head of Delegation

Mr. Yan Hongmo
Director-General
State Oceanic Administration
1, Fuxingmenwai Avenue
Beijing

Tel: 867283
Tlx: 22536 NBO CN

Representatives

Mr. Ge Youxin
Director, Department of International
Co-operation
State Oceanic Administration
1, Fuxingmenwai Avenue
Beijing

Tel: 867283
Tlx: 22536 NBO CN

Mr. Li Haiging
Deputy-Chief
Division of International Organization
Department of International Co-operation
State Oceanographic Administration
1, Fuxingmenwai Avenue
Beijing

Tel: 867283
Tlx: 22536 NBO CN

Costa Rica/Коста-Рика/ كوستا ريكا /
哥斯达黎加

Head of Delegation

Dr. Manuel Maria Murillo
Director, Centro de Investigacion en
Ciencias del Mar y Limnologia (CIMAR)
Universidad de Costa Rica
San Jose

Tel: 24 37 10/24 92 94
Tlx: 2544 UNICORI
(Also First Vice-Chairman IOC)

Alternate

Sra. Iris Leiva de Billault
Delegada Adjunta
Delegacion Permanente de Costa Rica ante
la Unesco
1, rue Miollis
75015 Paris
Tel: 45 68 25 73

Côte d'Ivoire/Kot d'Ivayap/ كوت ديفوار /
科特迪瓦

Not represented

Cuba/Kyba/ كوبا / 古 巴

Head of Delegation

Lic. Guillermo Garcia Montero
Presidente, Comite Oceanografico
Nacional
Instituto de Oceanologia
Calle 1ª N° 18406
Rpto. Flores, Playa
Ciudad de La Habana
Tel: 21 0306 / 0342
Tlx: 511290
Cbl: OCEAN

Alternate

Ing. Gilberto Samaniego Galarraga
Jefe, Departamento Hidrografia del Mar
Calle 6 N° 302, entre 3Y 3A
Miramar Playa
Ciudad de la Habana
Tel: 24101
Tlx: 511421

Denmark/Danemark/Dinamarca/Дания/
الدنمارك / 丹 麦

Head of Delegation

Dr. Kristian Vagn Hansen
Deputy-Director
Danish Institute for Fisheries and Marine
Research
North Sea Centre
P.O. Box 101
9850 Hirtshals
Tel: (98) 944500
Tlx: 67765 DFNH DK
Fax: 08944833

Alternate

Prof. Aksel C. Wiin-Nielsen
Geophysical Institute
University of Copenhagen
Haraldsgade 6
DK 2200 Copenhagen N
Tel: (31) 818166

Egypt/Égypte/Egipto//Египет/ مصر/
埃 及

Head of Delegation

Prof. Dr. Massoud A. H. Saad
Head, Department of Oceanography
Faculty of Science
Alexandria University
Moharem Bey
Alexandria
Tel: 4922918 / 4922819
Tlx: 54467 UNIVY UN

France/Francia/Франция/ فرنسا/
法 国

Head of Delegation

Mr. Héri-Hughes Lejeune
Chargé de Mission
Ministère des Affaires Étrangères
Direction Générale de la Recherche
Scientifique et Technique (DGRST)
64, avenue Kléber
75775 Paris Cedex 16
Tel: 40 66 60 22
Tlx: AESTG 202 329

Alternate

Mme. Grignon-Logerot
Secrétaire du Comité National Français
pour la COI
Mission Interministérielle de la Mer
3, place de Fontenoy
75007 Paris
Tel: 42 73 53 03

German Democratic Republic/
République démocratique allemande/
República Democrática Alemana/
Германская Демократическая
Республика/
جمهورية ألمانيا الديمقراطية/
德意志民主共和国

Head of Delegation

Prof. Dr. Klaus Voigt
Direktor, Institut für Meereskunde der
Akademie der Wissenschaften der DDR
Seestraße 15
2530 Rostock-Warnemünde
Tel: (37) (81) 582 88/582 89
Tlx: 31133 IFM DD
Cbl: MEERESKUNDE

Alternate

Mr. Herbert Bernig
Chef, Seehydrographischer Dienst der DDR
Dierkower Damm 45
DDR-2540 Rostock 40
Tel: 346 80
Tlx: SHDAG 31300
Cbl: SEEHYDRO ROSTOCK

**Germany, Federal Republic of/
Allemagne, République fédérale d'/
Alemania (República Federal de)
Федеративная Республика Германии/
جمهورية ألمانيا الاتحادية/
德意志联邦共和国**

Head of Delegation

**Dr. Gunter Giermann
Head, International Bureau
Alfred Wegener Institute for Polar and
Marine Research (AWI)
Columbusstrasse
P.O. Box 120161
D-2850 Bremerhaven
Tel: (471) 8331 152
Tlx: 238625 POLAR D
Cbl: POLAR BREMERHAVEN
Fax: (471) 4831 149
Tlm: Alfred.Wegener**

**Greece/Grèce/Grecia/Греция/ اليونان/
希腊**

Head of Delegation

**Mr. Alexander Maratos
National Center of Marine Research
Aghios Cosmas, Hellinikon 16604
Athens
Tel: 9820214
Tlx: 224135**

**India/Inde/India/Индия/ الهند/
印度**

Head of Delegation

**Dr. Shri Narain Dwivedi
Additional Secretary
Department of Ocean Development GO1
GGO Complex, Block 12
Lodhi Road
New Delhi 110003
Tel: 362278
Tlx: 31 61535 DOD IN**

Representative

**Dr. R.N. Singh
National Geophysical Research Institute
Hyderabad - 500007
Tel: (0842) 850141
Tlx: 0425 - 6478 NGRI IN
Cbl: GEOPHYSICS, HYDERABAD INDIA**

**Indonesia/Indonésie/Indonesia/Индонезия/
اندونيسيا/ 印度尼西亚**

Not represented

Iraq/Ирак/ العراق/ 伊拉克

Not represented

**Italy/Italie/Italia/Италия/ ايطاليا/
意大利**

Head of Delegation

**Prof. Carlo Morelli
Istituto di Miniere e Geofisica
Applicata
Facolta d'Ingegneria dell' Universita
27, via Berlam
34127 Trieste
Tel: (40) 52465
Tlx: 460014 I**

**Japan/Japon/Japón/Япония/ اليابان/
日本**

Head of Delegation

**Prof. Dr. Takahisa Nemoto
Director, Ocean Research Institute
University of Tokyo
1-15, Minamidai Nakanoku
Tokyo 100
Tel: (81) 3-376-1251
Tlx: 25607 J
Fax: (81) 3-375-6716
Tlm: Ori.Tokyo
(Also Chairman WESTPAC)**

Adviser

Mr. Kihei Mackawa
Permanent Delegation of Japan to Unesco
1, rue Miollis
Paris 75015
Tel: 45 68 35 26

Kenya/Кения/ كينيا / 肯尼亚

Head of Delegation

Mr. Francis M. Nthenge
Deputy-Secretary
Ministry of Research Science and
Technology
P.O. Box 30568
Nairobi
Tel: 729994

Alternate

Ms. Tamara C. Kipinger
Permanent Delegation of Kenya to Unesco
1, rue Miollis
75015 Paris
Tel: 45 68 29 69
Tlx: KENYAREP 620825
Cbl: KENYAREP-PARIS

Mexico/Mexique/México/Мексика/ المكسيك /
墨西哥

Head of Delegation

Dr. Rolando De Lasse
Director General de Educacion Tecnologica
Agropecuaria y Ciencias del Mar
Secretaria de Educacion Publica
Conjunto Pino Suarez "F", 2° Piso
Mexico DF
Tel: 5426578 / 5426579

Alternate

Dr. Virgilio Arenas
Instituto de Ciencias del Mar y Limnologia
Universidad Nacional Autonoma de Mexico
(UNAM)
Ciudad Universitaria
Apartado Postal 70-157
Mexico 04510 DF
Tel: (525) 550-58-74
Tlx: 1760155
Fax: (525) 548-25-82

Representatives

Dr. Jose Manuel Barberan
Instituto de Ciencias del Mar y Limnologia
Universidad Nacional Autonoma de Mexico
(UNAM)
Apartado Postal 70-157
Ciudad Universitaria
Mexico 04510 DF
Tel: (525) 550-58-74
Tlx: 1760155
Fax: (525) 548-25-82

Dra. Maria Norma Suarez Paniagua
Delegacion Permanente de Mexico ante la
Unesco
1, rue Miollis
75015 Paris
Tel: 45 68 33 70

Nigeria/Nigéria/Nigeria/Нигерия/ نيجيريا /
尼日利亚

Head of Delegation

Mr. Tunde Olayode
Permanent Delegation of Nigeria to Unesco
1, rue Miollis
75015 Paris
Tel: 45 68 27 27

Norway/Norvège/Noruega/Норвегия/
النرويج / 挪威

Head of Delegation

Prof. Ulf Lie
Department of Marine Biology
University of Bergen
N-5065 Blomsterdalen
Tel: (47) 522 62 00
Cbl: BLOSTATION
Tlm: U.Lie
(Also Chairman IOC)

Peru/Pérou/Perú/Пепу/بيرو / 秘鲁

Head of Delegation

Sr. Augusto Thornberry
Embajada de Peru
50, avenue Kleber
75116 Paris
France
Tel: 47 04 34 53
Tlx: 611081 F
Fax: 47 55 98 30

Philippines/Filipinas/Филиппины/الفلبين/
菲律賓

Head of Delegation

Mrs. Dolores M. Macalintal
Deputy Permanent Delegate
Permanent Delegation of the Philippines
to Unesco
1, rue Miollis
75015 Paris
Tel: 45 68 29 80

Alternate

Mrs. Deanna Ongpin-Macdonald
Permanent Delegation of the Philippines
to Unesco
1, rue Miollis
75015 Paris
Tel: 45 68 28 90 / 45 68 30 17

Senegal/Sénégal/Senegal/Сенегал/السنغال/
塞内加尔

Head of Delegation

Mr. Ndiaga Gueye
Directeur Adjoint
Direction de l'Océanographie et des
Pêches Maritimes
Secrétariat d'Etat aux Ressources
Animales
1, rue Joris
Boite Postale 289
Dakar

Tel: 212775

Alternate

Mr. Bouna Mohamed Seck
Délégation Permanente du Senegal auprès
de l'Unesco
1, rue Miollis
75015 Paris
Tel: 45 68 33 95

Thailand/Thaïlande/Tailandia/Таиланд/
تايلاند / 泰国

Head of Delegation

Rear Admiral Viphatana Bhumisawasdi
Deputy-Director
Government Service
Hydrographic Department
Aroon-Amarin Road
Bangkok 10600
Tel: 4666690
Tlx: 84142 NAUDOCY TH

Alternate

Mrs. Srinoi Povatong
Deputy Permanent Delegate
Permanent Delegation of Thailand to
Unesco
1, rue Miollis
75015 Paris
Tel: 45 68 25 66/67

Turkey/Turquie/Turquía/Турция/تركيا/
土耳其

Head of Delegation

Prof. Dr. Erol Izdar
Director, Institute of Marine Sciences
and Technology D.E.U. (IZMIR)
9 Eylul University
35260 Izmir
Tel: (51) 254338
Tlx: 52407 DBTE TR
Fax: (51) 225368

Union of Soviet Socialist Republics/
Union des républiques socialistes soviétiques/
Unión de Repúblicas Socialistas Soviéticas/Союз Со-
ветских Социалистических
Республик/
اتحاد الجمهوريات الاشتراكية السوفياتية/
苏维埃社会主义共和国联盟

Head of Delegation

Dr. Viacheslav Romanov
Deputy-Chief
Department of Navigation and Oceanography
8-11 Linia, Vasilievsky Ostrov
Leningrad
Tel: 277-46-36

Alternate

Dr. P. Agafonov
Scientific Secretary
Oceanographic Committee of the Soviet
Union
11, Gorky Street
Moscow 103009
Tel: 229 25 72
Tlx: 411241 SU
Cbl: MOSCOW OCEAN

Representative

Prof. Oleg Mamayev
Department of Oceanology
Moscow State University
Moscow 119899
Tel: 9392143

Adviser

Prof. Alla Tsyban
Deputy-Director
Institute of World Climate and Ecology of
the USSR
Goskomhydromet and Academy of Sciences
Glebovskaya Street 20-b
Moscow 107258
Tel: 113 64 53

United Kingdom of Great Britain
and Northern Ireland/
Royaume-Uni de Grande-Bretagne
et d'Irlande du Nord/
Reino Unido de Gran Bretaña e Irlanda del Norte/
Соединенное Королевство Великобритании
и Северной Ирландии/
المملكة المتحدة لبريطانيا العظمى وايرلندا الشمالية/
大不列颠及北爱尔兰联合王国

Head of Delegation

Mr. Desmond P.D. Scott
Cumbers, Mill Lane
Sidlesham, Chichester,
West Sussex PO20 7LX
Tel: (243) 56222
Tlx: 858833 OCEANS G
Fax: (428) 79 3066
Tlm: IOS.Wormley
(Also Chairman CGOM)

United States of America/États-Unis d'Amérique/
Estados Unidos de América/
Соединенные Штаты Америки/
الولايات المتحدة الأمريكية/
美利坚合众国

Head of Delegation

Dr. Robert W. Corell
Assistant Director for Geosciences
National Science Foundation
1800 G Street, N.W., Room 510
Washington DC, 20550
Tel: (202) 357 9715
Tlx: 257 653 NSF OR
Fax: (202) 357 9629
Tlm: R.Corell & NSF.GEO

Alternates

Mr. William Erb
Director, Marine Science
Office of Ocean Affairs
Bureau of Oceans and International
Environmental and Scientific Affairs
Department of State
Washington DC, 20520
Tel: (202) 647 0239
Fax: (202) 647-1106
Tlm: State.Dept

Mr. Thomas J. Maginnis
Assistant Administrator
Ocean Services and Coastal Zone
Management
National Oceanic and Atmospheric
Administration (NOAA)
Department of Commerce
1825 Connecticut Avenue, Suite 611
Washington, D.C. 20235
Tel: (202) 673 5144
Tlx: 7400311
Fax: (202) 673-3850
Tlm: T.Maginnis

Advisers

Ms. Dorothy Bergamaschi
Executive Secretary,
Panel for International Programmes and
International Co-Operation in Ocean
Affairs (PIPICO)
Office of Ocean Affairs
Bureau of Oceans and International
Environmental and Scientific Affairs
Department of State, Room 5801
Washington DC, 20520
Tel: (202) 647 0239
Fax: (202) 647-1106
Tlm: State.Dept

Mr. Louis B. Brown
International Science Associate
Division of Ocean Sciences
National Science Foundation
1800 G Street, N.W., Room 609
Washington DC, 20550
Tel: (202) 357 9809
Tlx: 7401424 NSFO UC
Fax: (202) 357 7745
Tlm: L.Brown

Ms. Candyce E. Clark
Oceanic and Atmospheric Research
National Oceanic and Atmospheric
Administration (NOAA)
6010 Executive Boulevard, Room 921
Rockville M.D. 20852
Tel: (301) 443 8845
Tlx: RCA 249 376/TRT 197 683
Fax: (301) 443-5167
Tlm: C.Clark

Dr. Richard Podgorny
Chief, International Affairs
National Ocean Service
National Oceanic and Atmospheric
Administration (NOAA)
Department of Commerce
1825 Connecticut Avenue N.W., Suite 607
Washington DC, 20235
Tel: (202) 673 5178
Tlx: 7400311
Fax: (202) 673 3850
Tlm: R.Podgorny

Special Adviser

Dr. D. James Baker
President, Joint Oceanographic
Institutions, Inc.
1755 Massachusetts Avenue N.W. Suite 800
Washington DC, 20036
Tel: (202) 232 39 00
Tlx: 257828 BAKE UR
Tlm: J.Baker

**III. OBSERVERS FROM NON-MEMBER
STATES OF THE IOC EXECUTIVE COUNCIL/
OBSERVATEURS D'ÉTATS NON MEMBRES
DU CONSEIL EXÉCUTIF DE LA COI/
OBSERVADORES DE PAÍSES NO MIEMBROS
DEL CONSEJO EJECUTIVO DE LA COI/
НАБЛЮДАТЕЛИ ОТ ГОСУДАРСТВ,
НЕ ЯВЛЯЮЩИХСЯ ЧЛЕНАМИ
ИСПОЛНИТЕЛЬНОГО СОВЕТА МОК/**

المراقبون من الدول غير
الاعضاء في المجلس التنفيذي لكوي

政府间海洋学委员会
执行理事会非会员国观察员

Chile/Chili/Chile/Чили/شيلي/智利

Head of Delegation

Dr. Rodolfo Camacho
Presidente del CONA
Instituto Hydrografico de la Armada
Casilla 324
Valparaiso

Tel: 251056
Tlx: 230362 HIDRO CL
Fax: 56 32 25 3283
(Also representing CPPS)

Alternate

Sr. Bernardo Uccelletti Nocetti
Secretario Ejecutivo
Comite Oceanografico Nacional
Errazuriz 232
Valparaiso

Tel: 251056
Tlx: 230362 HIDRO CL
Fax: 56 32 25 3283

Representative

Mr. Fernando Urrutia
Delegacion Permanente de Chili ante la
Unesco
1, rue Miollis
75015 Paris

Tel: 45 68 29 50

Colombia/Colombie/Colombia/Колумбия/
كولومبيا/哥伦比亚

Head of Delegation

Dr. Rafael Steer-Ruiz
Secretario General
Comision Colombiana de Oceanografia
Apartado Aereo 53733
Bogota

Tel: 222-0408 / 0421

Tlm: R.Steer

(Also Chairman IOCARIBE)

Democratic People's Republic of Korea/
République populaire démocratique de Corée/
República Popular Democrática de Corea/
Корейская Народно-Демократическая
Республика/
جمهورية كوريا الشعبية الديمقراطية/

朝鲜民主主义人民共和国

Head of Delegation

Dr. Ju O. Li
Vice-President
National Oceanographic Commission
Central District
Pyongyang

Tel: 34769
Tlx: 5051 K

Alternate

Mr. Yun Myong Jin
Adviser, National Commission for Unesco
Central District
Pyongyang

Tel: 34769
Tlx: 5051 K

Representative

Mr. Kim Yong Ou
Permanent Delegation of the Democratic
People's Republic of Korea to Unesco
1, rue Miollis
75015 Paris
Tel: 45 68 25 63

Portugal/Португалия/ البرتغال /
葡萄牙

Head of Delegation

Dr. Mario Ruivo
Member of the Consultative Council of the
JNICT
Co-ordinator of the National Programme
for Marine Science
National Agency for Scientific and
Technological Research (JNICT)
Avenue D. Carlos I - N° 126/2°
1200 Lisbon
Tel: 351-1-60 0886
Tlx: 12290 Junic P
Fax: 351-1-607481

Syrian Arab Republic/
République arabe syrienne/
República Árabe Siria/
Сирийская Арабская Республика/
الجمهورية العربية السورية /
阿拉伯叙利亚共和国

Head of Delegation

Dr. Abd Elkarim Saoud
Délégué Permanent
Délégation Permanente de la République
Arabe Syrienne auprès de l'Unesco
1, rue Miollis
75015 Paris
Tel: 45 68 34 97

Ukrainian Soviet Socialist Republic/
République socialiste soviétique d'Ukraine/
República Socialista Soviética de Ucrania/
Украинская Советская Социалистическая
Республика/
جمهورية اوكرانيا الاشتراكية السوفيتية /
乌克兰苏维埃社会主义共和国

Head of Delegation

Dr. Valery Eremeev
Director, Marine Hydrophysical Institute
Ukrainian Academy of Sciences
28, Lenin Street
335000 Sevastopol
Tel: 520452

Alternate

Mr. Igor Sagatch
Ministry of Foreign Affairs
15/1 Karl Liebknecht Street
Kiev
Tel: 2263379

Venezuela/Венесуэла/ فنزويلا /
委内瑞拉

Head of Delegation

Dr. Hernan Perez Nieto
Presidente, Comisión Nacional de
Oceanología
Consejo Nacional de Investigaciones
Científicas y Técnicas (CONICIT)
Apartado Postal 70617
Los Rloices
Caracas
Tel: 582 239 3145
Tlx: 25205 VE
Fax: 239 86 77

Alternate

Embajador Jean Francois Pulvenis
Director, Fronteras Terrestres y
Marítimas
Ministerio de Relaciones Exteriores
Torre Mre, Piso 13
Esq. Carmelitas
Caracas
Tel: 828886

Representatives

Consejero Myriam Prado Briceno
Departamento de Investigacion Cientifica
y Preservacion del Medio Marino
Ministerio de Relaciones Exteriores
Torre MRE
Conde a Carmelitas, Piso 13
Direccion de Fronteras
Caracas

Tel: 820332
Tlx: 22721 MRE
Fax: 831376

Sra. Guadalupe Pulido de Castet
Delegacion Permanente de Venezuela ante
la Unesco
1, rue Miollis
75015 Paris

Tel: 45 68 25 32
Tlx: 200 230 F

**IV. REPRESENTATIVES AND OBSERVERS
OF ORGANIZATIONS/REPRÉSENTANTS
ET OBSERVATEURS D'ORGANISATIONS/
REPRESENTANTES Y OBSERVADORES
DE ORGANIZACIONES/ПРЕДСТАВИТЕЛИ
И НАБЛЮДАТЕЛИ ОТ ОРГАНИЗАЦИИ/
الممثلون والمراقبون الموفدون من منظمات
各组织代表和观察员**

Scientific Committee on Oceanic Research (SCOR)

Mrs. Elizabeth Tidmarsh
Executive Secretary, SCOR
Department of Oceanography
Dalhousie University
Halifax, Nova Scotia B3H 4S1
Canada

Tel: (902) 424 8865
Tlm: E.Tidmarsh

V. SECRETARIAT/SECRETARIAT/ SECRETARIA/CEKPETAPIAT/ السكرتارية / 秘书处

Tel: (33) (1) 45 68 10 00
Tlx: 204461 PARIS / 7400157 IOCS UC
Cbl: UNESCO PARIS
Fax: (33) (1) 43 06 11 22
Tlm: IOC.Secretariat

Secretary

Dr. Gunnar Kullenberg

Assistants Secretaries

Mr. Arthur Alexiou
Dr. Jurgen Alheit
Dr. Carl Berman (IGOSS Operations
Co-ordinator)
Mr. Raymond Godin (Secretary, Joint SCOR-
IOC CCCO)

Dr. S. Mazhar Haq
Mr. Yihang Jiang
Dr. Kazuhiro Kitazawa
Ms. Natalie Philippon-Tulloch
Dr. Fernando Robles (IOCARIBE,
Cartagena,

Colombia)
Mr. Trevor Sankey
Dr. Viktor Sedov
Mr. Gualter Soares
Dr. Albert Tolkachev
Mr. Yves Treglos

Associate Experts

Mr. Bengt Axelsson (IOCARIBE, Cartagena,
Colombia)
Mr. Jonas Karker
Mr. Yukio Kiuchi
Mr. Peter Pissierssens (IOCINCWIO,
Mombasa, Kenya)

Consultants

Mr. Anders Alm (IOCARIBE, Cartagena,
Colombia)
Mr. Alex Boussoulengas
Mr. Claude Latouche

Documentalist

Mme. Jeannie Dombret

**VI. IOC SUBSIDIARY BODIES/
ORGANES SUBSIDIAIRES DE LA COI/
ORGANOS SUBSIDIARIOS DE LA COI/
ВСПОМОГАТЕЛЬНЫЕ ОРГАНЫ МОК/
الهيئات الفرعية لمكي/
政府间海洋学委员会附属机构**

**Joint SCOR-IOC Committee on Climatic
Changes and the Ocean (CCCO)**

Dr. Angus D. McEwan
Chairman CCCO
Chief, Division of Oceanography
CSIRO Marine Laboratories
G.P.O. Box 1538
Hobart-7001, Tasmania
Australia
Tel: (61) 206222
Fax: (022) 240530
Tlm: A.McEwan
(Also representing Australia)

**IOC Consultative Group on Ocean Mapping
(CGOM)**

Mr. Desmond P.D. Scott
Chairman CGOM
Cumbers, Mill Lane
Sidlesham, Chichester,
West Sussex PO20 7LX
United Kingdom
Tel: (243) 56222
Tlx: 858833 OCEANS G
Fax: (428) 79 3066
Tlm: IOS.Wormley
(Also representing United
Kingdom)

**Joint IOC-WMO Committee for the
Integrated Global Ocean Services System
(IGOSS)**

Dr. Yves Tourre
Chairman IGOSS
L-DGO Columbia University
Palisades
New York, 10964
United States of America
Tel: (914) 359 2900 Ext. 212
Tlm: Y.Tourre

**Sub-Commission for the Caribbean and
Adjacent Regions (IOCARIBE)**

Sr. Rafael Steer-Ruiz
Chairman IOCARIBE
Comision Colombiana de Oceanografia
Apartado Aereo 53733
Bogota
Colombia
Tel: 222-0408 / 0421
Tlm: R.Steer
(Also representing Colombia)