



Intergovernmental Oceanographic Commission
Reports of Meetings of Experts and Equivalent Bodies

**IOC-WMO-UNEP
Intergovernmental Committee
for the Global Ocean Observing System
(I-GOOS-X)**

**Tenth Session
20 June 2011
Paris, France**

Intergovernmental Oceanographic Commission
Reports of Governing and Major Subsidiary Bodies

**IOC-WMO-UNEP Intergovernmental
Committee of the Global Ocean
Observing System
(I-GOOS-X)**

**Tenth Session
20 June 2011
Paris, France**

ABSTRACT

The 10th session of the Intergovernmental Committee for GOOS (Paris France, 20 June 2011) reviewed GOOS progress over the past biennium. The Committee discussed the Draft Resolution: Strengthening and Streamlining GOOS and recommended the Draft Resolution be presented to the 26th Session of the IOC Assembly. The Committee elected an I-GOOS Chairperson and Vice-Chairpersons to serve for the 2012-2013 biennium.

(SC-2011/.....)

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1 OPENING AND WELCOME

The Chair of I-GOOS, Shao Hua Lin, called the session to order at 9h30 on June 20, 2011. The Chairman welcomed the delegates and thanked them for their interest and efforts on behalf of the Global Ocean Observing System and the Intergovernmental Oceanographic Commission.

In the afternoon the Chair welcomed the Executive Secretary of the IOC, Dr. Wendy Watson-Wright. Dr Wright thanked the I-GOOS delegations for their sincere efforts. Dr. Wright reported that the work toward a new GOOS governance is one of the most important issues of this year's IOC Assembly.

2 ADMINISTRATIVE ARRANGEMENTS

1.1 ADOPTION OF THE AGENDA

Committee changed the title of agenda item 5 from “Approval of Draft Resolution “ to “Discussion of Draft Resolution”. The Committee then adopted the Revised Provisional Agenda as the Agenda of the X Session; it is given in Annex I.

1.2 DESIGNATION OF RAPPORTEUR

The Committee did not designate a member state for Rapporteur. The Chair appointed the secretariat to fulfill the Rapporteur obligations for the session, under IOC Rule of Procedure No. 25(3).

1.3 CONDUCT OF THE SESSION AND FORMATION OF WORKING GROUPS

The Committee decided to form a sessional Nominations Committee to oversee the election of the new officers of I-GOOS. Hans Dahlin (Sweden) was nominated and seconded, and agreed to serve as Chairperson of the Nominations Committee. The Chair of I-GOOS then reopened nominations in order to encourage regions which had not yet proposed a nominee, Electoral groups III and V (South America and Africa).

The Chair decided to not form a sessional Resolutions Committee to oversee the drafting of resolutions. The drafting of the resolutions would be done during plenary itself (Section 4)

3 REPORT OF THE I-GOOS CHAIRPERSON

The Chair of the I-GOOS, Shao Hua Lin, gave an account of the action carried out over the last two years by the I-GOOS Board, which was officially established by the Assembly of the IOC at its 23rd session in 2005.

The Chair provided a review of the actions of the I-GOOS Board and IOC Executive Committee which led to the drafting of the Streamlining and Strengthening GOOS draft resolution. The importance of the need for the new governance structure was emphasized. The I-GOOS Board's proposal seeks to strengthen the engagement of member states in the governance of GOOS by streamlining the governance structure and providing stronger interaction with ocean observation programmes and GOOS sponsors. The Draft Resolution identifies the IOC Assembly as the primary governing body of GOOS. In the proposed new governance structure a GOOS Steering Committee would include regional membership from IOC member states, ex-officio members from technical subcommittees, representatives of GOOS co-sponsors as well as would include scientific experts representing other ocean observation components.

4 PREPARE DRAFT RESOLUTIONS FOR CONSIDERATION BY 26th ASSEMBLY

4.1 Programme of Work for GOOS 2012-13

The session did not address this agenda item.

4.2 Strengthening and Streamlining GOOS

The I-GOOS Chair opened the floor to discussion of the issues of the draft resolution presented by the I-GOOS Board.

Member states questioned the exclusion of other sponsors of GOOS and suggested that IOC be the lead sponsor, while retaining the other current sponsors.

The member states discussed and edited the Draft Resolution "line by line."

5 DISCUSSION OF DRAFT RESOLUTIONS

I-GOOS decided to table the revised Draft Resolution on Strengthening and Streamlining GOOS as a basis for discussion at the IOC 26th Assembly. The Draft Resolution is included in Annex IV.

Decision 1. I-GOOS decided to recommend the Draft Resolution on Strengthening and Streamlining GOOS to the IOC 26th Assembly on the understanding that further drafting work would be carried out by a sessional working group of the Assembly. The final eight paragraphs of the draft resolution were left bracketed to be finalized during the assembly. Australia offered to take responsibility for improving the preambular text of the Draft Resolution prior to submission to the IOC Assembly.

6 ELECTIONS TO THE I-GOOS BOARD FOR 2011-2012

A nominations committee was formed at the start of the I-GOOS X session on Monday 20 June 2011. The committee was chaired by Dr Hans Dahlin (Sweden).

In accordance with the Terms of Reference for the I-GOOS set out in resolution 5 of the 23rd IOC Assembly, the board of I-GOOS consists of one Chair and four Vice Chairs.

The Nominations Committee had received seven nominations for the board. They were:

Dr Shao Lin (Republic of China) for Chair [Electoral Group IV]

Electoral Group I

Dr Margarita Greg (USA) for vice chair

Dr Nadia Pinardi (Italy) for vice chair

Dr Ralph Rayner (UK) for vice chair

Electoral Group II

Dr Alexander Postnov (Russian Federation) for vice chair

Electoral Group III

Captain Frederico Antonio Sardiva Nogueira (Brazil) for vice chair

Electoral Group V
Dr Ashly Johnson (South Africa)

The nominations received were deemed valid and in accordance with the rules of procedure.

Subsequently Italy withdrew the candidature of Nadia Pinardi.

Furthermore the countries which had nominated Dr. Ralph Rayner withdrew their secondment and his nomination was deemed no longer valid.

Consequently Dr Shao Lin was elected as chair by acclamation.

Furthermore Dr Greg, Dr Postnov, Captain Nogueira and Dr Johnson were elected by acclamation as vice-chairs.

Decision 2 Dr. Shao Hua LIN (China) was elected for a second term as Chair of I-GOOS by acclamation. Dr. Margarita CONKRIGHT GREGG (United States of America) and Dr. Alexander POSTNOV (Russia) were elected for second terms as Vice-Chairs of I-GOOS by acclamation. Prof. Dr. Ashley JOHNSON (South Africa), and Capt. Nogueira (Brazil) were elected to first terms as Vice-Chairs of I-GOOS by acclamation.

7 OTHER BUSINESS

7.1 ADOPTION OF ACTION ITEMS AND DECISIONS FOR INCLUSION IN THE REPORT OF THE 10TH SESSION

The Committee considered the Secretariat's Summary of Decisions of the present session. The Committee accepted the Decisions for inclusion in the Report.

7.2 ADOPTION OF THE I-GOOS 10TH SESSION REPORT

The Secretariat was instructed to post the I-GOOS 10th Session Report to the GOOS web site as soon as possible.

7.3 NEXT SESSION OF I-GOOS (I-GOOS-XI)

The Committee agreed that scheduling the next session of the I-GOOS would not be necessary at this time, pending potential the reorganization of the GOOS.

8 CLOSURE OF THE SESSION

The Chairperson closed the 10th Session of I-GOOS at 17:50 Monday 20th June 2011.

ANNEX I

AGENDA

- 1 OPENING AND WELCOME**
- 2 ADMINISTRATIVE ARRANGEMENTS**
 - 1.1 ADOPTION OF THE AGENDA*
 - 1.2 DESIGNATION OF RAPPORTEUR*
 - 1.3 CONDUCT OF THE SESSION AND FORMATION OF WORKING GROUPS*
- 3 REPORT OF THE I-GOOS CHAIRPERSON**
- 4 PREPARE DRAFT RESOLUTIONS FOR CONSIDERATION BY 26th ASSEMBLY**
 - 4.1 Programme of Work for GOOS 2012-13*
 - 4.2 Strengthening and Streamlining GOOS*
- 5 DISCUSSION OF DRAFT RESOLUTIONS**
- 6 ELECTIONS TO THE I-GOOS BOARD FOR 2011-2012**
- 7 OTHER BUSINESS**
 - 7.1 ADOPTION OF ACTION ITEMS AND DECISIONS FOR INCLUSION IN THE REPORT OF THE 10TH SESSION*
 - 7.2 ADOPTION OF THE I-GOOS 10TH SESSION REPORT*
 - 7.3 NEXT SESSION OF I-GOOS (I-GOOS-XI)*
- 8 CLOSURE OF THE SESSION**

ANNEX II

LIST OF ACTIONS AND DECISIONS

Decision 1. I-GOOS decided to recommend the Draft Resolution on Strengthening and Streamlining GOOS to the IOC 26th Assembly on the understanding that further drafting work would be carried out by a sessional working group of the Assembly. The final eight paragraphs of the draft resolution were left bracketed to be finalized during the assembly. Australia offered to take responsibility for improving the preambular text of the Draft Resolution prior to submission to the IOC Assembly.

Decision 2 Dr. Shao Hua LIN (China) was elected for a second term as Chair of I-GOOS by acclamation. Dr. Margarita CONKRIGHT GREGG (United States of America) and Dr. Alexander POSTNOV (Russia) were elected for second terms as Vice-Chairs of I-GOOS by acclamation. Prof. Dr. Ashley JOHNSON (South Africa), and Capt. Nogueira (Brazil) were elected to first terms as Vice-Chairs of I-GOOS by acclamation.

ANNEX III

DRAFT RESOLUTION IOC-XXVI

Submitted by: ...
Agenda item: 6.1

PROGRAM OF ACTION FOR GOOS 2012-2013

The Intergovernmental Oceanographic Commission,

Recalling:

- i. Resolution XVI-8 establishing the Global Ocean Observing System (GOOS)
- ii. Resolution XXV-12 describing the programme of action for GOOS 2010-2011,

Noting:

- i. The Global Ocean Observing System (GOOS) is a priority for the IOC;
- ii. The accompanying Resolution of this 26th Assembly on Strengthening and Streamlining GOOS
- iii. The reports on the level of implementation of GOOS to the UN Framework Convention on Climate Change (Cancun, 2010) and Convention on Biological Diversity (Nagoya, 2010)
- iv. Paragraph 36 of the Johannesburg Plan of Implementation (World Summit on Sustainable Development 2002) which called for expanded observation of the global ocean and coastal seas.

Considering:

- i. That progress in the implementation of the sustained GOOS climate module remains plateaued at just over 60% of its design goal.
- ii. That, while climate monitoring and forecasts remain the main drivers for GOOS, the system must be developed to address other applications and societal needs,
- iii. The need to increase the degree of Member State engagement in GOOS implementation,

Anticipating:

- i. The importance of sustained oceanographic observations to the planned development of a global framework for climate services;
- ii. The future continued importance of the United Nations Framework Convention on Climate Change and Convention on Biological Diversity as platforms for enhancing GOOS visibility and ensuring Member State participation in sustaining the GOOS;

Having Considered:

- i. The Draft Executive Summary Report from I-GOOS-IX (IOC/I-GOOS-X/3s) and the related report by the I-GOOS Chair to the 26th Assembly

- ii. The Integrated Framework for Sustained Ocean Observing —Report of the post-OceanObs'09 Conference Working Group (IOC/Inf-1284) and the report by the co-Chair of the post-OceanObs'09 Conference Working Group to the 26th Assembly.

Decides to focus the GOOS program of work for the 2012-2013 biennium on (1) sustaining the climate component of GOOS in support of the UN Framework Convention on Climate Change (2) Implementing GOOS in coastal areas including through GOOS national programs and Regional Alliances, (3) Developing and sustaining biological and biogeochemical components of GOOS in support of the Convention on Biodiversity and in the context of RIO+20 and (4) Implementing GOOS in the context of the Integrated Framework for Sustained Ocean Observing, as follows:

1. Sustaining the climate module of GOOS

Urge Member States to **ensure** ocean observations and information products underpin national efforts to deliver climate services within the global framework for climate services.

Request that the Executive Secretary **prioritize** continued visibility of GOOS in service of the needs of the United Nations Framework Convention on Climate Change Conference of Parties (COP) and its subsidiary body for scientific and technical advice (SBSTA).

2. Implementing GOOS in coastal areas

Urge Member States to:

- i. **Strengthen** the implementation of GOOS in support of coastal zone management and sustainable development, and
- ii **Implement** national observing programs in their coastal areas with an eye to developing synergies through regional and global coordination and cooperation.

3. Developing and Sustaining biological and biogeochemical components of GOOS

Urge Member States to **commit** to monitoring biogeochemical and biological essential ocean variables in sustained, systematic and internationally coordinated manner within the framework of GOOS.

Request that the IOC Executive Secretary:

- i. **Prioritize** capacity-building activities that will assist developing countries in deriving benefits from the, biological and biogeochemical components of GOOS, developing strategies for reducing coastal erosion, providing regional centre in charge of oceanography with appropriate equipment, developing projects with practical outcomes, assisting each coastal country to monitor its own sea resources.
- ii. **Strengthen** cooperation with the biological and biogeochemical oceanographic research communities and organizations, including the UN Convention on Biological Diversity.
- iii. **Advocate** for GOOS as the IOC contribution to the Regular Process for Global Reporting and Assessment of the Marine Environment.

4. Implementing the Framework for Ocean Observations

Request that the IOC Executive Secretary **ensure** GOOS takes a leading role in sustained global ocean observations over the next decade as the newly developed Framework for Ocean Observations takes shape, including by **increasing** the regular budget and staff resources dedicated to GOOS by IOC.

Invites partner organizations to embrace the Framework for Ocean Observations and work within it to sustain the global ocean observing system.

ANNEX III

DRAFT RESOLUTION IOC-XXVI

Submitted by ...

[edited by I-GOOS-X, 20 June 2011; consensus text, except for text in parentheses]

[preface edited by Australia at the request of I-GOOS, 21 June 2011]

Agenda item 6.1

STRENGTHENING AND STREAMLINING GOOS

The Intergovernmental Oceanographic Commission,

1 Recalling:

- (i) IOC Resolution XVI-8 establishing the Global Ocean Observing System (GOOS)

2 Noting:

- (i) The progress in the implementation of the GOOS Climate module as reported to the UN Framework Convention on Climate Change at Cancun, December, 2010 (GOOS report No.184),
- (ii) The success of the OceanObs09 conference (Venice, 2009) and the Framework for Ocean Observations developed by the task team (IOC/INF-1284)
- (iii) Paragraph 36 of the Johannesburg Plan of Implementation (World Summit on Sustainable Development 2002) which called for expanded observation of the global ocean and coastal seas, and the planned assessment of the progress to date and the remaining gaps in sustainable development and the implication for oceans at Rio+20 in Brazil in 2012,

Reaffirming that the Global Ocean Observing System (GOOS) is a priority for the IOC

3 Considering:

- (i) That observations of the oceans are critical to understanding and forecasting the global climate system and climate change,
- (ii) The importance of systematic ocean observations to ensure that the Convention on Biodiversity (Nagoya, 2010) target of 10 per cent of coastal and marine areas, especially areas of particular importance for biodiversity and ecosystem services, can be conserved through effectively and equitably managed, ecologically representative and well connected systems of protected areas.

- (iii) The importance of sustained oceanographic observations to global climate monitoring, research and prediction, as well as to the planned future improved delivery of climate services (latest reference on GFCS here),
- (iv) That sustained observations are critical to manage ocean biodiversity and ecosystems, as well as to global monitoring and assessment of ocean carbon, ocean acidification and the marine environment generally.
- (v) The need to increase the number of IOC Member States active in GOOS implementation, and to develop their capacity to participate in and benefit from GOOS

Considering further:

- (i) The formation in 1999 of JCOMM as a mechanism for coordinating ocean observation activities with WMO
- (ii) That UNEP, in particular its Regional Seas Programs, is a priority user for GOOS observations, products and services
- (iii) That the Memorandum of Understanding laying out the cosponsorship of GOOS signed in 1998 was in place for five years and is no longer valid
- (iv) That engagement of the Oceanographic research community in development of GOOS can benefit from cooperation with the International Council for Science (ICSU)
- (v) That the GOOS Regional Alliances and the IOC Regional Subsidiary Bodies are important mechanisms for GOOS implementation

Recognizing the need to broaden the scientific remit of GOOS and to simplify its governance,

4 **Having Considered** the summary report from I-GOOS-X (Paris, June 2011) and the presentation to
the 26th Assembly by the Chairperson of I-GOOS,

5

6 **Decides** to

1. Recommit to GOOS, building on existing achievements, by

- (i) **Focusing** on GOOS as a holistic system encompassing global, regional and coastal observations and products
- (ii) **Integrating** both research and operational observations within GOOS.
- (iii) **Aligning** GOOS with an essential ocean variable oriented framework for ocean data and products
- (iv) **Promoting** GOOS' essential role in providing observations and products for global and regional conventions such as UNFCCC, including its emphasis on adaptation, (including data

for) consideration of natural hazards, the Convention on Biological Diversity, Regional Seas as well as the UN Regular Process for Assessment of the Marine Environment.

- (v) **Reinforcing** global participation through capacity development, especially in Africa, SIDS and LDCs.

2. Streamline and strengthen the governance of GOOS by

- (i) **Reconfirming** IOC as lead sponsor responsible for GOOS, in cooperation with cosponsoring organizations: WMO, UNEP, and ICSU, which contribute to and/or benefit from GOOS, and other committed organizations.
- (ii) **Dissolving** I-GOOS, the GSSC, and its subsidiary panels, thereby making the IOC Assembly through appropriate arrangements directly responsible for governance of GOOS, and ensuring GOOS expertise is on the delegation,
- (iii) **Creating** the GOOS Steering Committee as an advisory body to the Assembly (TOR appended). The GOOS Steering Committee shall come into effect 1 January 2012.
- (iv) **Reinforcing** the cooperation of the IOC Regional Subsidiary Bodies, and the GOOS Regional Alliances (GRAs) as a means for coordination, implementation and sharing of best practices.
- (v) **Adopting** the terms of reference for the GOOS Steering Committee appended to this resolution.
- (vi) **Requesting** the Executive Secretary to ensure adequate support for the GOOS Steering Committee

Terms of Reference for the GOOS Steering Committee (Group of Experts)

Acting under the guidance and governance of the Intergovernmental Oceanographic Commission Assembly, and with the active participation and support of Member States, the GOOS Steering Committee will carry out intersessional activities to:

- (i) identify the essential ocean variables to observe, and develop and update as necessary the scientific, technical and implementation plans and targets for GOOS, for approval of the IOC Assembly and partners;
- (ii) monitor, promote, and provide guidance on the implementation of GOOS in accordance with agreed implementation plans;
- (iii) regularly assess the performance of GOOS in providing users with fit-for-purpose data and information products;
- (iv) identify and encourage research and operational programmes to augment and improve GOOS;
- (v) assist in developing the capacity of all Member States to participate in and benefit from GOOS;

The GOOS Steering Committee will produce a biennial Work Plan for consideration and adoption by the IOC Assembly and partner organizations. This Workplan will clearly identify dedicated resources and commitments necessary for each Workplan elements. In executing the elements of the plan endorsed and resourced by the Assembly, and/or extrabudgetary sources, the GOOS Steering Committee will be supported by the dedicated resources of a GOOS Project Office.

The GOOS Steering Committee will have the authority to create and dissolve time limited panels according to the IOC rules of procedure within limits of resources available.

(The board will be comprised of up to 15 members.

Five members with relevant expertise will be appointed by Member State Electoral Groups during the IOC Assembly, one from each IOC electoral group.

The Executive Secretary in consultation with Partners shall appoint additional scientific experts. The board can propose members for consideration including its chair.

Chairs of subsidiary panels of the board will serve as *ex-officio* members.

Members can serve up to two consecutive terms. Members can not be replaced during their term of appointment.

The Executive Secretary will appoint the chair of the board, in consultation with the IOC officers.

The GOOS Board may invite those observers it deems necessary.

The GOOS Board shall meet frequently and regularly at least annually. The Board may define an executive committee to be selected from amongst its membership which may meet frequently by tele- or video-conference.)

ANNEX IV

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ANNEX V

LIST OF DOCUMENTS*

Document Code	Title	Responsible	Agenda item
I-GOOS-X/1	I-GOOS-X Provisional Agenda and Timetable	Secretariat	All
I-GOOS-X/2	Provisional list of Documents (in this document)	Secretariat	All
I-GOOS-X/3	Provisional List of Participants (in this document)	Secretariat	All
I-GOOS-X/4	Report of I-GOOS-Chairperson	Shao Hua Lin	3.1
I-GOOS-X/5	Draft Resolution: Program of Action for GOOS 2012-2013 (Draft)	I-GOOS Board	4.1
I-GOOS-X/6	Draft Resolution: Strengthening and Streamlining GOOS (Draft)	I-GOOS Board	4.2
I-GOOS-X/7	I-GOOS X Report (this document)		All
I-GOOS-X/xx			
Document Code	Background Documents	Responsible	Agenda item
CL-2367	Circular Letter Invitation: Tenth Session of the IOC-WMO-UNEP Intergovernmental Committee for the Global Ocean Observing System (I-GOOS-X), June 2011, Paris, France		
GOOS-176	Ninth session of the Intergovernmental Committee for the Global Ocean Observing System (I-GOOS), Paris, France, 10-12 June 2009: executive summary report		
GOOS-128	A Review of the Structure GOOS		
GOOS-187	I-GOOS Board VI Report		
IOC/INF-1273	Planning and Implementation for GOOS		
	Nomination forms_rev		

* This list is for reference only. No stocks of these documents are maintained.

