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# IODE-ODIS

Yutaka Michida  
Cyndy Chandler  
(IODE Co-Chairs)

# GEOSS-AP

Sep. 18-20, 2017

# International Oceanographic Data and Information Exchange (IODE)



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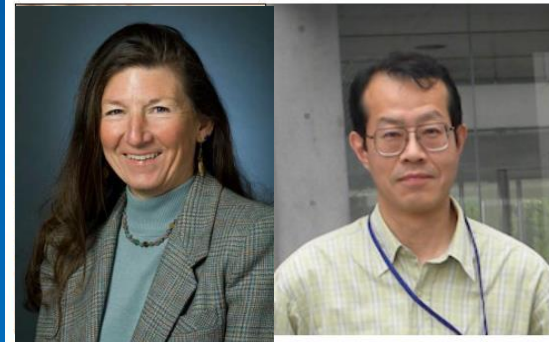
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- Established in 1961
- Exchange of oceanographic data and information between participating Member States through
  - NODCs (National Oceanographic Data Centers) 66
  - ADUs (Associate Data Units) 24
  - WDS (World Data System) of ICSU



IODE Office in Oostende, Belgium since 2005)

## Election of new IODE Co-Chairs (2015-2017)



As the outgoing Co-Chair (Ms Sissy Ion Ariel Troisi) had completed two terms in the IODE Committee elected two new Co-Chairs: Ms Cynthia Chandler (USA) and Prof Yutaka Michida (Japan). More info See [here](#)

Present Co-Chairs re-elected at 24<sup>th</sup> Session of IODE in 2017; C. Chandler (USA) and Y. Michida (Japan)



# IODE-XXIV held in Kuala Lumpur, Malaysia Mar. 28-31, 2017



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- 80 participants from IOC Member States and partner organizations
- 4 decisions and 6 recommendations adopted
- Final report available from 'iode.org'
- Re-elected current co-chairs, C. Chandler and Y. Michida

[4 Decisions]

Decision IODE-XXIV.1 'Revision of the Terms of Reference of the IODE Quality Management Framework Project to Accommodate ADUs'

Decision IODE-XXIV.2 'The IODE Management Structure'

Decision IODE-XXIV.3 'IODE Project and Activity Performance Evaluation'

Decision IODE-XXIV.4 'Ocean Data and Information System'



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## [6 Recommendations]

Recomm. IODE-XXIV.1 'Revised Terms of Reference of the Joint IAMS LIC/IODE Group of Experts on marine Information Management in a Transitional Capacity'

Recomm. IODE-XXIV.2 'The UNESCO/IOC Project Office for IODE in Oostende, Belgium'

Recomm. IODE-XXIV.3 'Establishment of the IODE Pilot Project OBIS Event Data for Scientific Applications (OBIS-EVENT-DATA)'

Recomm. IODE-XXIV.4 'Establishment of the Ocean Data and Information Network for the Western Pacific Region (ODINWESTPAC) Project'

Recomm. IODE-XXIV.5 'IODE Associate Data Unit (AIU)'

Recomm. IODE-XXIV.6 'IODE Workplan and Budget for 2017-2019'

# Ocean Data and Information System – Concept Paper –

Ref) IOC-XXIX/2 Annex 3 Add. II

The follow-up to the audit recommendation 15

“To construct a universal information system and ocean data portal, along with a cost-benefit analysis prepared in advance by the IODE project”

IODE will work with stakeholders to improve the accessibility and interoperability of existing data and information system, to be referred to as the ‘IOC Ocean Data and Information System (ODIS), through the newly established IODE inter-sessional WG tasked with finalizing the concept paper for ODIS, taking fully into account the feedback and input from Member States.

IOC and its IODE could make use of the experience and pilot activities such as ODIP (Ocean Data Interoperability Platform) project that has been funded by the European Union and involves a number of European data centres but also partners in USA, Australia and Canada. It is important to stress that ODIS will NOT build infrastructure but promote interoperability between existing systems. So while there will be a need for some human and financial resources these will be small and most resources will be provided by existing data centres within and outside the IODE network.



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## ODIS (cont.)



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However we should also expand ODIS to include GOOS, JCOMM and other IOC activities that deal with ocean data. In this regard the intersessional working group that has been established will also invite these partners.

While the current draft decision calls for a final concept paper by 2019 we hope to be able to come to either the 2018 executive council or 2019 assembly with a concrete work plan and possibly some pilot activity results. However this will also depend on the provision of some seed funding and/or secondment of staff.

Membership of the group shall include:

Representatives from IODE, GOOS, HAB, MPR, and JCOMM. External collaborators will also be invited to contribute to IWG-ODIS. The IWG-ODIS will carry out its work electronically. Representatives from IODE will include Belgium, IODE Co-Chair (Ms Cyndy Chandler), Netherlands, Canada, USA, Australia, Mexico. But open to all MS.

# Decision IOC-XXIX/6.2.1 'International Oceanographic Data and Information Exchange'



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## Part III: Draft Concept for an Ocean Data and Information System

The Assembly,

- Recalling Recommendation 15 of the IOC External Audit that called for a universal information system and ocean data portal, and Decision IODE-XXIV.4 that established an inter-sessional working group to finalize the concept paper of the IOC Ocean Data and Information System and draft a “cost-benefit analysis” document which expresses the advantages/benefits of such a global system,
- Having considered the draft concept paper submitted by IODE at its 24<sup>th</sup> session and contained in document IOC-XXIX/2 Annex 3 Add. II,
- Requests Member States to provide comments and suggestions to the IODE Secretariat, not later than December 2017;
- Instructs the IODE inter-sessional working group to further develop the concept paper for the IOC Ocean Data and Information System, taking into account, *inter alia*, the results and functioning of the IODE Ocean Data Portal as well as comments and suggestions received from Member States, and submit the final document to the Assembly at its 30th session in 2019 together with a draft implementation plan, supported by a cost-benefit analysis as feasible.





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# Restructuring of IODE



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IODE-XXIII (2015) decided to establish an inter-sessional working group on IODE Restructuring.

Having considered the recommendations of the working group IODE-XXIV adopted 2 Decisions regarding restructuring.

- (i) On a new IODE management structure 'IODE Management Group (MG)' replacing IODE Officers (Decision IODE-XXIV.2)
- (ii) On the establishment of the IODE project and activity performance evaluation (Decision IODE-XXIV.3)

These will bring into IODE the concept of Results Based Management (RBM) allowing well-documented procedures for the setting up, regular performance evaluation and metrics, and closing of projects. It was expected that this would allow improving overall efficiency and prioritization amongst more than 20 IODE projects.



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# Recommendations for Information management

Recomm. IODE-XXIV.1 'Revised Terms of Reference of the Joint IAMS LIC/IODE Group of Experts on marine Information Management in a Transitional Capacity'

Recomm. IODE-XXIV.5 'IODE Associate Data Unit (AIU)'

Improvement of Marine information management in providing the information component in SDG-14 and others,

As a parallel structural element of ADUs (Associated Data Units).

Continued and expanded collaboration between IODE and IAMS LIC





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# OBIS contribution to global issues

Successful work done by OBIS-ENV-DATA pilot project,

Recent request from CBD to

- i) Establish a partnership with OBIS
- ii) Provide links from EBSA repository to the data and information from EBSA area in OBIS

Collaboration agreement between GEO BON/MBON, GOOS BioEco and OBIS

Recomm. IODE-XXIV.3 'Establishment of the IODE Pilot Project OBIS Event Data for Scientific Applications (OBIS-EVENT-DATA)'

# IODE project office in Oostende, Belgium (Recommendation IODE-XXIV.2)



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IODE expresses its profound gratitude to the Government of Flanders (Kingdom of Belgium) and the Flanders Marine Institute (VLIZ) for:

- (i) The considerable support provided, both financially and by hosting the Project Office from 2005,
- (ii) The offer to continue hosting and supporting the Office in Oostende, Belgium,

IODE recommends that

- (i) The IOC Project Office be continued
- (ii) The offer of the Government of Flanders to continue hosting the Office, on the same terms as the previous MOU, be accepted
- (iii) The MOU between UNESCO/IOC and the Government of Flanders through VLIZ be renewed in accordance with the offer of the Government of Flanders



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# Development of ODINs

Establishment of ODINWESTPAC:

Recomm. IODE-XXIV.4 'Establishment of the Ocean Data and Information Network for the Western Pacific Region (ODINWESTPAC) Project'

Termination of ODINAFRICA

Caribbean Marine Atlas (Phase 2 –CMA2) in the region of ODINCARSA-LA

Reactivation of ODINCINDIO



# IODE Communication and Outreach Strategy for Data and Information Management

Ref) IOC/IODE-XXIV6.3, **Dec.6.2.1 part II**

The strategy document outlines a framework for communication and outreach activities for IODE to address its various needs and underpin its ability to achieve its strategic objectives;

To ensure that there is recognition of its role as a lead provider in marine data and information management, training and information products and further enhance both the IOC and IODE profiles.

The document was prepared by Drs. Pauline Simpson, Sissy Iona and Greg Reed, and approved at the IODE-XXIV in 2017, and is being proposed to the Assembly for endorsement.



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