World Meteorological Organization	**Intergovernmental Oceanographic Commission (of UNESCO)**

JCOMM DATA MANAGEMENT PRACTICES: ACHIEVEMENTS AND FUTURE PRIORITIES

SUMMARY

ISSUES TO BE DISCUSSED:

1.   IODE OceanDataPortal: further development and interoperability

DECISIONS/ACTIONS REQUIRED:

The Commission is requested to:

(a)   Request Members/Member States:
- To participate in the Ocean Data Standards project;

(b)   Urged Members/Member States:
- to actively participate in the IODE Ocean Data Portal (ODP);
- to allow appropriate ocean data systems to actively pursue interoperability with the ODP;

(c)   Request the Expert Team on Data Management Practices (ETDMP) to:
- continue the work on comparison of semantic metadata profiles and make recommendations for better interoperability between the ODP and the WMO Information System (WIS);

(d)   Recommend the Data Management Programme Area (DMPA) and Observations Programme Area (OPA) to:
- continue work on the interoperability of WIS, the WMO Integrated Global Observing System (WIGOS) and IODE ODP as these systems further develop and evolve;
- make sure that the work of WIGOS be as an interface of cooperation between the WIS and the IODE ODP

(f)   Approve the draft text for inclusion in the general summary of JCOMM-4 given in Appendix A;

(g)   Adopt draft Recommendation 7.3/1 (JCOMM-4) – The IODE Ocean Data Portal (IODE ODP) given in Appendix B.

CONTENT OF DOCUMENT: see View -> Document Map

APPENDIX A: DRAFT TEXT FOR INCLUSION IN THE
GENERAL SUMMARY OF JCOMM-4

7.3   JCOMM DATA MANAGEMENT PRACTICES: ACHIEVEMENTS AND FUTURE PRIORITIES *(agenda item 7.3)*

7.3.1. The Commission was pleased to note the progress of the work of the JCOMM/IODE Expert Team on Data Management Practices (ETDMP) during the intersessional period which had focused on the implementation of the IODE/JCOMM Ocean Data Standards process, the improvement of metadata management, and the development of the IODE Ocean Data Portal (ODP) including participation in the JCOMM Pilot Project for the WMO Integrated Global Observing system (WIGOS).

7.3.2. The Commission noted with appreciation the progress made by the Task Team on Metadata and requested the relevant ETDMP task team to continue the work on comparison of semantic metadata profiles (Marine Community Profile – MCP –, SeaDataNet[1] Common Data Index – CDI –, and the WMO Core Profile) and make recommendations for better interoperability between ODP and WIS.

7.3.3. The Commission welcomed the close and productive cooperation between IOC/IODE and WMO through the JCOMM Pilot Project for WIGOS, and congratulated the participating experts with the achieved results that will contribute to effective interoperability between WMO and IOC data systems. The Commission recommended to continue work on the interoperability of WIS/WIGOS and IODE ODP as these systems further develop and evolve. The Commission congratulated the Russian National Oceanographic Data Centre (NODC) for their considerable contribution towards the development of the IODE ODP as well as the JCOMM Pilot Project for WIGOS during the intersessional period. The Commission recommended that the work of WIGOS be as an interface of cooperation between the WMO WIS and the IODE ODP.

7.3.4. The Commission noted with appreciation the ongoing development, by IODE, of a revised version of the IOC Strategic Plan for Oceanographic Data and Information Exchange (2013-2016) as well as a quality management framework for IODE National Oceanographic Data Centres (NODCs) which will be complementary to the WMO Quality Management Framework (QMF). Meanwhile, the Commission noted with concern the low number of data centres providing data through ODP and urged Members/Member State to actively participate in ODP. The Commission also called on other national, regional or international distributed ocean data systems to actively pursue interoperability with the ODP.

7.3.5. The Commission welcomed the offer by the Russian Federation for a possible establishment of a National Support Centre for IODE/ODP in Obninsk.

7.3.6. The Commission adopted Recommendation 7.3/1 JCOMM-4 – The IODE Ocean Data Portal (IODE ODP).

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REFERENCES FOR DOC. 7.3 (Not to be included in the final Meeting Report):

1.   Abridged Final Report with Resolutions of the Sixteenth World Meteorological Congress (WMO-No. 1077), paragraphs 2.5.19 – 2.5.21, 3.1.1.4, 3.5.3.7, 11.4.5, and Resolution 24
2.   Abridged Final Reports with Resolutions of the Sixty-second (WMO-No. 1059), paragraphs 2.5.5-2.5.7, 3.5.2.11, 4.2.46-4.2.50, and Resolution 4, and Sixty-third Sessions (WMO-

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1 Pan-European Infrastructure for Ocean & Marine Data Management

No. 1078) of the WMO Executive Council
3. Abridged Final Report with Resolutions and Recommendations of the First (WMO-No. 931), Second (WMO-No. 995) and Third (WMO-No. 1049) Sessions of JCOMM
    http://www.jcomm.info/index.php?option=com_oe&task=viewDoclistRecord&doclistID=112
4. Summary Report of the Forty-third (IOC/EC-XLIII) Session of the UNESCO/IOC Executive Council
5. Summary Report of the Twenty-sixth (IOC-XXVI) Session of the UNESCO/IOC Assembly
6. Final Reports of the Eighth (JCOMM/MR-No.83) and Ninth (JCOMM/MR-No. 88) Sessions of the JCOMM Management Committee
    http://www.jcomm.info/index.php?option=com_oe&task=viewDocumentRecord&docID=6397
    http://www.jcomm.info/index.php?option=com_oe&task=viewDocumentRecord&docID=7803
7. Summary Report of the Twenty-first Session of the IOC Committee on International Oceanographic Data and Information Exchange (IODE-XXI)
    http://www.iode.org/index.php?option=com_oe&task=viewDocumentRecord&docID=7203
8. Final Report of the third Session of the Expert Team on Marine Climatology (JCOMM/MR-No-70)
    http://www.jcomm.info/index.php?option=com_oe&task=viewDocumentRecord&docID=4950
9. Final Report of the fourth Session of the Data Management Coordination Group (JCOMM/MR-No. 71)
    http://www.jcomm.info/index.php?option=com_oe&task=viewDocumentRecord&docID=5531
10. Final Report of the second Session of the JCOMM-IODE Expert Team on Data Management Practices (JCOMM/MR-No. 72)
    http://www.jcomm.info/index.php?option=com_oe&task=viewDocumentRecord&docID=6002
11. Proceedings of the third JCOMM Workshop on Advances in Marine Climatology (JCOMM/TR-No. 45)
    ftp://ftp.wmo.int/Documents/PublicWeb/amp/mmop/documents/JCOMM-TR/J-TR-45-CLIMAR-III/index.html
12. Proceedings of the third International Workshop on Advances in the use of Historical Marine Climate Data (JCOMM/TR-No. 59)
    ftp://ftp.wmo.int/Documents/PublicWeb/amp/mmop/documents/JCOMM-TR/J-TR-59-MARCDAT-III/index.html
13. Pilot Project for the integration of marine meteorological and other appropriate oceanographic observations into the WMO observing system (WIGOS) (WIGOS Pilot Project V – JCOMM Pilot Project fr WIGOS) – Project Report (WMO/TD-No. 1515 – 2011 – JCOMM Technical Report No. 48)
    http://www.jcomm.info/index.php?option=com_oe&task=viewDocumentRecord&docID=6698
14. **JCOMM-4/BM. 7.3:**   Progress and activity report – Data Management Practices

APPENDIX B: DRAFT RECOMMENDATION

Rec. 7.3/1 (JCOMM-4) —   The IODE Ocean Data Portal (IODE ODP)

THE JOINT WMO-IOC TECHNICAL COMMISSION FOR OCEANOGRAPHY AND MARINE METEOROLOGY,

Noting the IODE OceanDataPortal (ODP) is operational and provides a mechanism to integrate marine data from a number of distributed sources both in the network of IODE NODCs and from other systems including JCOMM data systems;

Further noting that the IODE ODP was developed in close collaboration with, and with the guidance of the JCOMM/IODE Expert Team on Data Management Practices (ETDMP) and that IODE ODP technology was used in the successful JCOMM Pilot Project for WIGOS;

Considering the importance of interoperability between the WMO Information System (WIS) and the IODE ODP,

Recommends that:

(1)   JCOMM projects and participating organizations (data centres) participate in the IODE ODP operation by providing access to their data resources;

(2)   the IODE ODP Project works closely with the WIS to implement a connection between IODE centres participating in IODE ODP and meteorological centres using WIS to ensure mutual access to data and information in their respective data systems;

(3)   JCOMM and ETDMP further support and assist the IODE ODP operations and development including the technology infrastructure and training activities.

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