MARITIME SPATIAL DATA INFRASTRUCTURES

Submitted by IHO Secretariat

SUMMARY

Executive Summary: This document provides details of relevant outcomes from the 10th session of the Marine Spatial Data Infrastructures Working Group (MSDIWG).

Action to be taken: 10

Related documents: None

1.   The 10th meeting of the Marine Spatial Data Infrastructures Working Group (MSDIWG) took place in Busan, Republic of Korea, hosted by the Korea Hydrographic and Oceanographic Agency (KHOA), on 4 and 5 March, in conjunction with the OGC Marine Domain Working Group (Marine DWG) meeting on 6 March and with the 1st Meeting of the Working Group on Marine Geospatial Information (WGMGI) of the Committee of Experts on Global Geospatial Information Management (UN-GGIM). The meeting was chaired by Mr Jens Peter Weiss Hartmann (Denmark). Nineteen delegates from 12 Member States (Australia, Brazil, Denmark, Germany, Indonesia, Italy, Netherlands, Norway, Republic of Korea, Singapore, United Kingdom and United States of America) and 15 representatives of observer organizations and industry members attended the meeting, a total of 35 participants.

2.   Amendments to the Terms of Reference were proposed by the Chair and endorsed by the meeting, in accordance with decisions of the IRCC10. It proposes an expansion of the remit of the WG to include marine spatial planning (MSP) and common operating picture (COP).

3.   Online training material on MSDI developed by Denmark was presented by the Chair. The material will be made available from the IHO website to serve the IHO Capacity Building Programme.

4.   The meeting agreed with the Open Geospatial Consortium (OGC) to review the paper previously submitted to HSSC on the interoperable aspects of a Discrete Global Grid System (DGGS), to develop a white paper on data integrity assurance and to create a template policy statement. OGC will also develop a Guide of Standards for the Common People, to promote and facilitate the adoption of standards worldwide in all aspects of a MSDI.

5.   Participants reviewed the current status of the IHO Concept Development Study (CDS) on MSDI that is being developed by OGC and funded by the USA/NGA, which will be finalized in April 2019 and presented to IRCC11. The CDS will assess the current state of data management and exchange technologies used in the marine domain. The knowledge gained from the CDS will provide interoperability reference architecture for MSDI and foundation for a potential future pilot that will in turn advance the state of MSDI to support discoverability, accessibility, and interoperability of marine geospatial data across the globe.

6.   The role of the MSDI Ambassadors was considered and the meeting took note of the Regional Hydrographic Commissions (RHC) that have made progress at national and regional levels.

7.   Participants considered how the WG can support the IHO to contribute to the United Nations (UN) Sustainable Development Goals (SDG), in particular those where the impact is more prominent.

8.   The WG considered how to improve communication and to develop an outreach strategy considering the target audience and the means to achieve it. The meeting also decided to investigate the possibilities for the development of a new publication on the status of MSDI worldwide from a database within the IHO Regional and Country Information Systems (RIS/CIS). The Chair was tasked to coordinate with the UN-GGIM/WGMGI Chair the preparation of a common questionnaire on the status of MSDI worldwide.

9.   The meeting approved with satisfaction the movie on MSDI kindly developed by the Republic of Korea (draft available at www.youtube.com/watch?v=5m15KBhd9v0). The movie will be made available at the IHO website in English, French and Spanish). The meeting considered the development of a Training for Trainers Course on MSDI, the use of template for MSDI maturity assessment and the way ahead for improving the IHO Publication C-17 *Spatial Data Infrastructures: "The Marine Dimension" - Guidance for Hydrographic Offices*.

10. Actions

The Commission is invited to:

        a.   **note** the information provided and take action as appropriate.