**10th MEETING OF THE IHO MARINE SPATIAL DATA INFRASTRUCTURES**

**WORKING GROUP (IHO-MSDIWG10)**

**Busan, Republic of Korea (4-5 March 2019)**

**Followed by the meetings:**

**OGC Marine DWG (6 March 2019)**

**UN-GGIM WGMGI1 (7-9 March 2019)**

**DRAFT AGENDA AND TIMETABLE (Version 3)**

**Day one: 4 March 2019**

| **Theme** | **Time** | **Subject General**  | **Responsible** |
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| **Welcome** | 0900 - 1030 | **1. Welcome, introduction of participants and practical information***Docs: MSDIWG10-01B List of Participants* *MSDIWG10-01C Membership List***2. Approval of Agenda***Docs: MSDIWG10-02 Agenda and Timetable* | Host/Chair |
| **Status** | **3. Terms of reference for the MSDIWG** *Docs: MSDIWG10-03 MSDIWG ToR and RoP* | Chair |
| **4. Objectives for and structure of the meeting***Docs:* **4.1. Review of actions items from MSDIWG9***Docs: MSDIWG10-04.1A Minutes from MSDIWG9 (Chair)* *MSDIWG10-04.1B Action Items from MSDIWG9 (Chair)***4.2. Review the result and feedback from C-2, IRCC10 and HSSC10***Docs: MSDIWG10-04.2A Actions and Decisions from C-2 (Chair)* *MSDIWG10-04.2B List of Decisions from IRCC10 (Chair)* *MSDIWG10-04.2C List of Actions from IRCC10 (Chair)* *MSDIWG10-04.2D List of Actions from HSSC10 (Chair)*Meeting will discuss the ongoing revision of the IHO Strategic Plan and its implementation, among other outcomes of C-2. Participants will be presented the development of the MSDI Training Material by Denmark.**4.3. Setting goals for this meeting** **4.4. Short review of work programme***Docs: MSDIWG10-04.4 Work Plan 2018-2021* | Chair/ Secretariat/All |
| **Break** | **1030 - 1050** | **Host** |
| **Presentations** | 1050 - 1230 | **5. Structure of national reports:** See C-17 part 2.1*Docs: MSDIWG10-05 draft IHO Resolution 2/1997 RHCs*Meeting will discuss the ongoing revision of the IHO Resolution 2/1997 on RHCs, which can include reporting on:*- Policy and Governance**- Technical standards**- Information systems**- Geographic content* | Chair, Secretariat |
| **6. National presentation from members on status of MSDI***Docs: MSDIWG9-06A National Report - Denmark**MSDIWG9-06B National Report - Republic of Korea*Member States report to MSDIWG the successes and challenges and ways of overcoming them. Expect 10 minutes to cover C-17. Part 2.1. | All |
| **Lunch** | **1230 - 1330** | **Host** |
| **Presentations** | 1330- 1500 | **6. National presentation from members on status on MSDI (continued)** | All |
| **7. Regional and other relevant presentations of MSDI initiatives e.g.:***Docs: MSDIWG10-07A ARMSDIWG Report* *MSDIWG10-07B BS-NSMSDIWG Report* *MSDIWG10-07C OGC Marine DWG Report* *MSDIWG10-07D1 IHO CSBWG (1)* *MSDIWG10-07D2 IHO CSBWG (2)* *MSDIWG10-07E IHO DCDB and GEBCO Seabed 2030*- Arctic MSDIWG (Chair)- BS-NSMSDIWG (Chair)- OGC Marine Domain WG (Vice-Chair)- IHO Crowdsourced Bathymetry WG (Secretariat)- IHO DCDB and GEBCO Seabed 2030 (Secretariat)- OthersExpect 10 minutes maximum to cover C-17. Part 2.1. | Chair/Member States |
| **Break** | **1500 - 1520** | **Host** |
| **Action items.****Presentations and re** | 1520-1700 | **8. UN Sustainable goals.** Presentation of the goals.*Docs: MSDIWG10-08 Draft report of the IRCC PPT (Secretariat)*Meeting will consider the ongoing work of the Principles Project Team (PPT) on the UN-GGIM Statement of Shared Guiding Principles for Geospatial Information Management.  | Chair, Vice-Chair |
| 8.1 Discussion on how a MSDI can support these goals.(Reference: MSDI training material) | All |
| 8.2 Prioritization of the three most important goals from a MSDI perspective*Docs: MSDIWG10-08.2A Identifying the three most important SDGs (Chair)* *MSDIWG10-08.2B Sustainable development and geospatial information (Chair)* | All |
| 8.3 Discussion on how to cooperate with the UN-GGIM Working Group on Marine Geospatial Information (WGMGI) in a forward looking perspective | All |
| **9. IHO-OGC MSDI Concept development Study***Docs: MSDIWG10-09 Concept Development Study (Vice-Chair)* | Vice-Chair |
| 9.1 Discussion of outcome | All |
| 9.2 Discussion on how to proceed | All |
| 9.3 Development of a MSDI Pilot Project | All |
| **10. Presentation of the MSDI training martial***Docs: MSDIWG10-10A Development of MSDI Teaching Material (Chair)* *MSDIWG10-10B Slides on MSDI Fundamentals (Chair)* *MSDIWG10-10C Slides on MSDI Orientation (Chair)* *MSDIWG10-10D MSDI e-Learning Platform (ROK)* | Chair/IIIC |
| 10.1 Discussion of outcome | All |
| **WG** | 1700 - 1800 | **Establishment of work groups if deemed necessary** |  |
| **Closing** | **1800** | **Closing of day one of the meeting** | **Chair** |

**Day two: 05 March 2019**

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| **Theme** | **Time** | **Subject** | **Responsible** |
|  | 0830 | **Welcome and summing up from day one** | Chair |
|  | 0830 - 0930 | **11 General presentation of Tasks not cowered by action items**Status, challenges way ahead on activities and actions*Doc: MSDIWG10-11A Questionnaire on MSDI and MSP (Chair)* | Chair |
| **11.1 Policy and Governance** |  |
| 11.1.1 Task A Communication and dissemination |  |
| 11.1.2 Task B Operational - Data sharing and management |  |
| 11.1.3 Task C Policy and Governance*Docs: MSDIWG10-11.1A Open Geospatial Data (Chair)* *MSDIWG10-11.1B Open European Location Services (Chair)* *MSDIWG10-11.1C Guidance for Data Licensing (Chair)* |  |
| 11.1.4 Task E - Innovation – Future perspectives (2021 - 2023) |  |
| 11.1.5 Task F - Training and education |  |
|  | 0930 - 1030 | **11.2 Technical standards***Docs: MSDIWG10-11.2A Paper to DQWG14 on data integrity (Chair)* *MSDIWG10-11.2B DQWG14 response on data integrity (Chair)* |  |
| 11.2.1 Task D - Standards*Docs: MSDIWG10-11.2C S-102 Pilot Project (Caris)* *MSDIWG10-11.2D S-121 Developments (IIC)*Presentation on S-102 pilot project (Caris)Presentation on S-121 developments (IIC) |  |
| **11.3 Information systems** |  |
| 11.3.1 Task B Operational - Data sharing and management*Doc. MSDIWG10-11.3 Options for Sharing, Collaboration and Production Online (ESRI)* |  |
| **11.4 Geographic content***Doc. MSDIWG10-11.4 Living Atlas of the World and the Community Maps Program (ESRI)* |  |
| **Break** | **1030 - 1050** | **Host** |
| **Task G**Maintain and extend the publication IHO MSDI C-17 | 1050 - 1130 | **12.1 General presentation of Task G**Status, challenges way ahead on activities and actions | Chair |
| G.1 Maintain IHO publication C-17 to reflect developments in ICT, Content, Standards and Governance of MSDI*Docs: MSDIWG10-12.1 Maintenance of IHO Publication C-17* | USA, Denmark, Germany, Portugal, OceanWise |
| **Task H**Conduct annual meetings of MSDIWG, MSDI Open Forum, OGC Marine DWG and UN-GGIM WGMGI | 1130 - 1200 | **13.1 General presentation of Task H**Status, challenges way ahead on activities and actions | Chair |
| H.1 Conduct 2020-2022 meetings of MSDIWG, arranged back to back with 1-day MSDI Open Forum and OGC Marine DWG, and when possible with the UN-GGIM WGMGI | MSDIWG Management Group (Chair, Vice-Chair, Sec., Secretariat) |
| **Discussion** | 1200 - 1230 | **Feedback and discussion. Continuation of the review of tasks.****Establishment of work groups if deemed necessary** |  |
| **Lunch** | **1230 - 1330** | **Host** |
| **Update, status and how to proceed** | 1330 - 1430 | **15. Updating the MSDIWG work plan 2018-2020 and action list, with a possible longcast view***Docs: MSDIWG10-15 Updated Work Plan 2018-2020*Participants will update the MSDIWG Work Plan 2018-2020 with the conclusions from the meeting. |  |
| **16. Drafting the MSDIWG10 Report***Docs: MSDIWG10-16 Draft elements for the MSDIWG10 Report*The topics for the MSDIWG10 Report will be drafted (it will become doc. MSDIWG10-16) | Sec. |
| **17. Any other business**Chair will invite participants to consider other topics arising during the meeting. |  |
|  | 1430 - 1500 | **18. Content of next MSDIWG11 meeting, MSDI Open Forum and OGC Marine DWG (and UN-GGIM WGMGI2)**The content for the next meeting will be drafted. |  |
| **Break** | **1500 - 1520** | **Host** |
| **Work groups** | 1520 - 1700 | **19. Next MSDIWG meetings (Venue and Date)****Definition of the dates and venue for MSDIWG10. Participants are expected to offer to host MSDIWG11 (2020) and MSDIWG12 (2021).**MSDIWG11: January/February 2020 (Rostok, Germany)MSDIWG12: January/February 2021 (Singapore)MSDIWG13: January/February 2022, depending on proposals | Chair |
|  |  | **Evaluation of the two last days** |  |
| **Closing** | 1700 | **Closing of the meeting** |  |