**14th MEETING OF THE IHO MARINE SPATIAL DATA INFRASTRUCTURES WORKING GROUP**

**IHO MSDI WG14, Genoa, Italy, 30 Jan – 3 Feb 2023**

**Back-to-back with the UN-GGIM Marine Geospatial Information Working Group and OGC Marine DWG Meetings within the week**

**DRAFT AGENDA AND TIMETABLE (Version 2.1)**

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| **Time**  | **Monday30 Jan** | **Tuesday31 Jan** | **Wednesday1 Feb** | **Thursday****2 Feb** | **Friday3 Feb** |
| **Mornings (0900 – 1300)** | Welcome and Joint OpeningIHO MSDI WG 14 | UNGGIM MGI WG 4 | UNGGIM MGI WG 4 (IGIF-H Part Two drafting session) | IHO MSDIWG 14 (IHO C-17 3.0 drafting session) | IHO MSDI WG 14 |
| **Afternoons (1430 – 1800)** | IHO MSDI WG 14 | UNGGIM MGI WG 4 | Site Visit by Host Italy | OGC Marine DWG | UNGGIM MGI WG 4Joint Closing |

**Day One: 30 Jan 2023**

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| **Theme** | **Time** | **Subject** | **Responsible** |
| **Welcome** | **0900 – 1040** | 1. **Joint Opening session, Welcome and Introduction of participants and practical information**

Opening of the meeting and welcome. Chair will give the opening remarks and then invite the chief host to address the audience. Participants will be invited to introduce themselves and the hosts will provide logistic guidance and information. Documents are presented and updated as necessary1. **Approval of Agenda**

Participants are invited to comment on the agenda and timetable in case updates are necessary. Agenda is adopted. | Host/Chair |
| **Status** | 1. **Terms of Reference for the MSDIWG**

Participants are invited to comment and endorse proposed amendments to the MSDIWG Terms of Reference.Docs:  | Chair |
|  | 1. **Objectives and structure of the meeting**

Chair will invite participants to consider the objectives for the meeting. * 1. **Review of minutes and actions items from MSDIWG13**

Docs: MSDIWG14-04.1aMSDIWG14-04.1bChair will provide overview of action items to be addressed at the MSDIWG14 meeting. Participants will review and approve the MSDIWG13 Minutes and will update the MSDIWG13 List of Actions.**4.2 Review the result and feedback from C-6, IRCC14 and HSSC14** Participants are invited to note the result and feedback from C-6, IRCC14 and HSSC14. **4.3 Short review of work programme** Docs: MSDIWG14-04.3 Participants will review the MSDIWG Work Plan 2021 – 2024. | Chair/Secretary/All  |
| **Break** | **1040 - 1100** | Host |
| **Presentations** | **1100 – 1300** | 1. **National presentation from members on status of MSDI**

Member states will report to MSDIWG on the strategic direction of national MSDIs (e.g. role of national MSDI, its link to S-100), successes, challenges, and ways of overcoming them. (10 mins each)[Note: For presentations, Members to inform and submit slides to IHO Secretariat (leonel.manteigas@iho.int) prior to meeting] | All |
| **Lunch** | 1300 - 1430 | Host |
| **Presentations** | **1430 - 1600** | 1. **RHC presentation from RHC MSDIWG**

RHCs will report to MSDIWG the strategic direction, successes, challenges, and ways of overcoming them. (10 mins each) | All |
| 1. **Presentation from stakeholders and expert contributors**

(10 mins each) | All |
| **Break** | **1600 - 1620** | Host |
| **Presentations** | **1620 - 1750** | 1. **S-100 from MSDI Perspective**

Chair will invite participants to identify and discuss relevant S-1xx products that could be relevant for MSDI users.  | Chair, S100WG point-of-contact (Jonathan Pritchard),All |
| 1. **WEND-100 from an IGIF Approach**
 | WENDWG Chair, IHO Secretariat  |
| 1. **Guidance on applying FAIR Principles**
* FAIR principles checklist

Docs:  | OGC Marine DWG |
| 1. **Spatial Data Quality and Integrity**
* ISO Standards and Data Quality Principles
 | Portugal and Italy |
| 1. **Discussion on the Future MSDI**
* Digital Twins from MSDI Perspective

Chair will invite participants to envision and discuss the elements of the future MSDI. | All |
|  |  | 1. **OGC APIs for MSDIs**
 | OGC Marine DWG |
| **WG** | **1750 - 1800** | 1. **Establishment of project teams if deemed necessary**
 | All |
| **Closing** | **1800** | **Closing of Day One of the Meeting**  | Chair |

**Day Two 31 Jan 2023: The 4th Expert Meeting of the United Nations Global Geospatial Information Management Working Group on Marine Geospatial Information Meeting**

**Day Three: 1 Feb 2023**

**Morning Session (0900 – 1300): The 4th Expert Meeting of the United Nations Global Geospatial Information Management Working Group on Marine Geospatial Information Meeting**

**Afternoon Session: Site Visit by Host**

**Day Four: 2 Feb 2023**

**Morning Session (0900 – 1300)**

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| **Theme** | **Time** | **Subject** | **Responsible** |
| **Welcome** | **0900 – 0910** | **Welcome and summary of day one** Chair will provide summary of the main discussions and outcomes of the first day of the meeting  | **C**hair |
| **Discussion** | **0910 - 1040** | 1. **C-17 Version 3.0 Drafting Session**

Docs: MSDIWG14-15 Draft IHO C-17 3.0 MSDIWG15-15 C-17 Case Study TemplateMSDIWG14-15 C-17 Ed 2.0.0 Chapter 1: Introduction and Background Chapter 2: Role of HO and MSDI Chapter 3: MSDI Maturity Chapter 4.1 Governance Chapter 4.2: Technology Chapter 4.3: People Chapter 5: Taking MSDI to the Next Level  | Chair, Vice-Chair, Italy  |
| **Break** | **1040 - 1100** | **Host** |
| **Discussion** | **1100 - 1300** | **C-17 Version 3.0 Drafting Session (continued)** | Chair, Vice-Chair, Italy  |
| **Lunch** | **1300 - 1430** | Host |
| **OGC Marine DWG Meeting** | **1430 - 1800** | **Afternoon Session: OGC Marine Domain Working Group, with separate agenda**  | OGC |
| **Closing** | **1800** | **Closing of Day Four of Meetings** |  |

**Day Five: 3 Feb 2023**

**Morning Session (0900 – 1300)**

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| **Theme** | **Time** | **Subject** | **Responsible** |
| **Welcome** | **0900 – 0910** | **Welcome and summary of day four morning session**Chair will provide summary of the main discussions and outcomes of the first day of the meeting  | Chair |
| **Discussion** | **0910 - 1040** | 1. **Marine Science and Ocean Observation Data Governance**

**16.1 Data Sharing in Ocean Observation Community** **16.2 Singapore’s Roadmap for Implementing Marine Science Data Standards** | Phillippa Bricher Singapore |
| 1. **Use-cases of crowdsourced bathymetry**
 | CSBWG, Afif Ghaiih, Lebanon  |
| 1. **Discussion on MSDI Training Materials and Capacity building**

Chair will invite participants to provide feedback on the materials presently available on the IHO e-learning centre, and to discuss way forward.Docs: * MSDIWG14-18.1 DE/BSH Report on IHO e-learning material assessment
* MSDIWG14-18.2 Singapore eLearning Centre MSDI Feedback
 | Chair, All |
| **Break** | **1040 - 1100** | Host |
| **Update, status and how to proceed** | **1100 - 1200** | 1. **Updating the MSDIWG work plan and action list**

Participants will update the MSDIWG Work Plan 2021 - 2024 with the conclusions from the meeting. Plans beyond 2024 will be considered.  | All/IHO Secretariat  |
| 1. **Drafting of the MSDIWG14 Report to IRCC15**

The topics for the MSDIWG14 Report will be drafted  | Chair, Vice-Chair, IHO Secretariat |
| **1200 – 1215** | 1. **Election of MSDIWG Chair and Vice-Chair**
 | IHO Secretariat |
| **1215 – 1300** | 1. **Any other business**

Chair will invite participants to consider other topcs arising from the meeting  | All |
| 1. **Evaluation of Meetings, Next MSDIWG15 Meeting and host for MSDIWG16 (2025)**
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| **Lunch** | **1300 - 1430** | Host |
| **UNGGIM Working Group on Marine Geospatial Information** | **1430 - 1745** | **Afternoon Session: UNGGIM Working Group on Marine Geospatial Information, with separate agenda**  | UNGGIM  |
| **Closing** | **1745 - 1800** | **Joint Closing Session** | Chairs |