

LIST OF ACTIONS FROM THE MSDIWG13 MEETING 2022

Action N.	Action Items (agenda item)	Responsible	Deadline	Status
04/2017	Action 4/2017: Submit an updated paper to HSSC11 outlining further development and implementation of DGGs.	OGC Marine DWG	2023	OGC Marine DWG investigating delivery of this.
04/2018	Action 4/2018: MSDI case studies: provide 500- word (maximum) examples for MSDI BoK.	Malaysia, Indonesia, RoK, USA	March 2020	Closed
19/2018	Action 19/2018: Include "economic impacts" of MSDI with respect to hydrography in the MSDI BoK. MSDIWG Members to send relevant reports and case studies for BoK.	All, IHO Secretariat	December 2019	Members invited to send relevant reports and case studies to the IHO Secretariat Ongoing
04/2019	To investigate the development of a "Guide on Standards for the Common People" to be made available in the BOK (6)	OGC Marine DWG	April 2019	Related activity on IGIF-MSDI Maturity guide OGC is working on with UKHO. Sponsors and resources are still welcomed. Ongoing
05/2019	To add the OGC "Guide on Standards for the Common People" in the BOK from Action MSDIWG10/04 (6)	IHO Secretariat	May 2019	Ongoing.
06/2019	To share MSDI use cases as they are developed by the EAHC/MSDIWG and report the status to the MSDIWG (7)	EAHC MSDIWG	MSDIWG11	Investigate. Members welcomed to share MSDI use-cases
10/2019	To investigate how to make the e-learning developed by Denmark in the EAHC TRDC elearning platform hosted by ROK (10)	ROK, Denmark September	2019	Done
14/2019	To develop an outreach strategy considering the target audience and the means to do it and report back to MSDIWG (11.1.1)	MSDIWG Chair/Vice-Chair	MSDIWG14	Awaiting. MSDIWG can reference the CSBWG outreach materials. We

				should try to investigate and see how we can investigate outreach activities.
19/2019	To submit a paper to HSSC on data integrity for MSDI with a precise description of the problem to be solved (11.2)	OGC Marine DWG	HSSC12	Closed
23/2019	To prepare a paper to submit the template on maturity assessment produced under Agenda MSDIWG10/22 to IRCC (11.3.1)	MSDIWG Chair	IRCC11	Closed
24/2019	To investigate the possibilities for the development of an online living C-17 publication (12.1)	MSDIWG Chair, Vice Chair and IHO Secretariat	MSDIWG14	Ongoing
25/2019	To investigate the incorporation of the living C-17 to the IHO website infrastructure (12.1)	IHO Secretariat	MSDIWG14	Ongoing
26/2019	To consider the draft C-17 produced under Actions MSDIWG10/25 and to submit to IRCC12 (12.1)	MSDIWG11	MSDIWG12	Closed
01/2020	To draft a CL on MSDIWG11 outcomes (CDS, questionnaire, video)	IHO Secretariat	MSDIWG12	Closed
03/2020	To update the BoK with the list of marine themes.	IHO Secretariat	MSDIWG14	Ongoing
9/2020	To send questions from MSDI Maturity Assessment Survey out to MSDIWG MS for comment.	VC/MSDIWG	MSDIWG12.	Closed
10/2020	Investigate distribution options for MSDI Maturity Assessment Survey.	C & VC/MSDIWG	MSDIWG12.	Done
11/2020	Possibly turn MSDI Maturity Assessment Survey in to IHO Online Form.	VC/MSDIWG, IHO Secretariat	MSDIWG12.	Closed
12/2020	Release MSDI Maturity Assessment to IHO and share with UN-GGIM WG-MGI.	C & VC/MSDIWG, IHO Secretariat	MSDIWG12	Done
13/2020	Update to C-17 to be included in MSDIWG work plan and investigate a new format (e.g. Wiki). Include IGIF in update of C-17 (crosswalk)	C/MSDIWG, CoChair UN-GGIM WG-MGI	MSDIWG14	Awaiting
14/2020	Establish a drafting group for C-17.	C/MSDIWG	MSDIWG14.	Awaiting
16/2020	Investigate possibilities for funding for enhancements to training material.	C/MSDIWG	MSDIWG12	Closed
17/2020	Create Spanish version and French versions for enhancements to training material.	IHO Secretariat	MSDIWG13	Awaiting/to discuss Later To coordinate with IHO e-learning on the possibility of these translations.

19/2020	To work on the landing page (i.e. home page) for training material.	MEX, IHO Secretariat	MSDIWG12.	Closed
20/2020	How to investigate the possibility of train the trainee for MSDI training material.	C/MSDIWG IHO Secretariat	MSDIWG12	Closed
21/2020	Submit the MSDI use cases to the UN-GGIM/WGMGL.	IHO Secretariat	MSDIWG12	Done
22/2020	Developing the MSDI use cases in a future revision of the IHO publication C-17	C-17 Drafting Group	MSDIWG14	Awaiting
23/2020	Template framework for MSDI use cases in MSDI BOK	NZL, VC/MSDIWG, IHO Secretariat	MSDIWG13	Done
28/2020	Create use cases for MSDI-supportable UN SDGs identified by MSDIWG breakout group.	CAN, GBR, BRA	MSDIWG13	
29/2020	Visualize/describe governance model in C-17, training material and body of knowledge.	C & VC/MSDIWG, IHO Secretariat	MSDIWG14	Awaiting
30/2020	Update MSDIWG ToR with C-17 maintenance	C/MSDIWG & IHO Secretariat	MSDIWG13	Awaiting
31/2020	IHO Strategic Plan 2.1: Build a portal to support and promote regional and international cooperation in marine spatial infrastructures (MSDI).	C & VC/MSDIWG, IHO Secretariat	MSDIWG12	Ongoing
32/2020	IHO Strategic Plan 2.3: Apply UN shared guiding principles for geospatial information management in order to ensure interoperability and extended use of hydrographic data in combination with other marine-related data.	C & VC/MSDIWG, IHO Secretariat	MSDIWG12	Ongoing
33/2020	Value proposition statement prepared for MSDI MS who have not yet engaged in the process (1 page)	OceanWise, OGC	MSDIWG13	Closed
1/2021	To investigate if status of national MSDI implementation in the national reports, could use the NZ matrix as a new starting point?	C/MSDIWG, NZL	MSDIWG13	Closed
2/2021	To circulate the Arctic SDI Governance documents to the MSDIWG MS	C/MSDIWG & C/ARMSDIWG	MAR 2021	Done https://arctic-sdi.org/documents/strategic-documents/ and Body of knowledge.
3/2021	C/MSDIWG should include Arctic SDI Governance document in MSDIWG report to IRCC			Done
4/2021	To give a presentation of the FAIR principles at the next MSDIWG meeting	C/MSDIWG	MSDIWG12 (in person OCT)	Closed
5/2021	IHO Secretariat to circulate Draft Work Plan 2021 – 2024 to MS	IHO Secretariat	MAR 2021	Done
6/2021	MSDIWG MS to comment and indicate their participation in the Draft Work plan	MSDIWG MS	APR 2021	Done

7/2021	IHO Secretariat to circulate Draft updated Action list to MS	IHO Secretariat	MAR 2021	Done
8/2021	MSDIWG MS to comment and indicate their participation in the Draft updated Action list	MSDIWG MS	APR 2021	Done
9/2021	Circulate IGIF-H (when available) to MSDIWG MS for comment.	C/UN-GGIM WG-MGI &C/MSDIWG	Pending	Awaiting Expected to be sent in MAR 2021
1/2021	Make proposal/paper to IRCC linking MSDI and S100 implementation beyond Safety of Navigation. Circulate to MSDIWG MS for comment.	C/MSDIWG, IIC	IRCC13	Closed
12/2021	Send out draft UN-GGIM Standards Guide Ed. 3	SGP	MAY 2021	Awaiting
13/2021	MSDIWG MS invited to comment on draft UNGGIM Standards Guide Ed. 3	MSDIWG MS	MAY 2021	Awaiting Send feedback to MSDIWG ViceChair
14/2021	Review MSDIWG action list for ideas to participate in the joint IHO-Singapore Innovation and Technology Lab. -e.g. development of automatic data harvesting prototype for marine spatial data (ref. Arctic SDI project)	C/MSDIWG, SGP	JUN 2021	Done
15/2021	Investigate how MSDIWG can provide information to IHO e-Learning Project team	C/MSDIWG,	IIC JUN 2021	Done
16/2021	Investigate funding to update IHO e-Learning resources	C/MSDIWG	JUN 2021	Done
1/2022	Nominate appoint contact points from Data Quality WG, NIPWG and S100WG to report back to MSDIWG on relevant MSDI matters	S100WG – OGC MarineDWG/IIC Technologies	MSDIWG14	
2/2022	Compile list of relevant S-1xx products point of contacts		MSDIWG14	
3/2022	MSDIWG to identify the S-1xx products that could be relevant for MSDI users		MSDIWG14	
4/2022	SWPHC MSDI WG to update terms of reference on making data in line with the UN SDG goals and UN Shared Principles	SWPHC Chair/UK and MSDIWG	MSDIWG14	
5/2022	MSDIWG and UNGGIM WG MGI to work together to identify common use-cases for bathymetry data residing in DCDB and Seabed 2030	MSDIWG and UN-GGI WG MGI	MSDIWG15	
6/2022	MSDIWG to identify use-cases of crowdsource bathymetry	MSDIWG	MSDIWG14	

7/2022	MSDIWG to test the MSDI Training Materials on the IHO e-learning portal (https://elearning.iho.int)	MSDIWG	MSDIWG14	
8/2022	OGC to provide guideline or Recipe Book and showcase(s) for Hydrographic Offices to implement OGC APIs	OGC Marine DWG	MSDIWG14	
9/2022	OGC API - Feature Link to be made available to Body of Knowledge	OGC Marine DWG	MSDIWG14	
10/2022	OGC to provide presentation on OGC APIs for MSDIs at MSDIWG14	OGC Marine DWG	MSDIWG14	
11/2022	OGC to share links to latest OGC APIs for dissemination to MSDIWG	OGC Marine DWG, IHO Secretariat	MSDIWG14	
12/2022	OGC to provide draft guidance on how to follow the FAIR principles from HO perspective	OGC Marine DWG	MSDIWG14	
13/2022	MSDIWG to follow-up on IRCC14's outcomes of the IRCC Workshop and suggest how MSDIWG could contribute to SPI 2.3.1	MSDIWG Vice-Chair	MSDIWG14	
14/2022	MSDIWG to explore practical approach or best practices on principles for MSDIs	MSDIWG Vice-Chair	MSDIWG14	
15/2022	MSDIWG to include proposed FAIR principles checklist to be included in report.	OGC Marine DWG	MSDIWG14	
16/2022	MSDIWG to establish a C-17 Drafting Team	MSDIWG Vice-Chair USA (NGA) Italy	August. 2022	
17/2022	C-17 Drafting Team to provide a first version at MSDIWG14	MSDIWG Vice-Chair USA Italy	MSDIWG14	
18/2022	MSDIWG to investigate the role of MSDI in Maritime Digital Twin, how to proceed and the possibility to establish a pilot project together with the IHO-Singapore Innovation and Technology Laboratory with Singapore as a pilot study area. Input paper to be provided in MSDIWG14.	MSDIWG Chair and Vice-Chair Netherlands IHO-Singapore Innovation Technology Laboratory OGC Marine DWG	MSDIWG14	
19/2022	MSDIWG to provide feedback on WENDWG's WEND Product Matrix from MSDI perspective when deemed appropriate.	WENDWG Chair, IHO Secretariat	MSDIWG14	
20/2022	UKHO to provide relevant S100 guideline from MSDI perspective that could be made available on BoK.	UKHO, MSDIWG Chair and Vice-Chair	MSDIWG14	
21/2022	OGC FMSDI S-122 Engineering Report to be made available to the MSDIWG when made public	MSDIWG Chair OGC	August 2022	
22/2022	An expert group to explore MSDIWG's task related to Target 2.1 Build a portal to support and promote regional and international cooperation in marine spatial data infrastructures (MSDI). Step	MSDIWG Chair and Vice-Chair, ESRI	MSDIWG14	

	1: Make data that is already available into INTOGIS and Step 2: establish a hub			
23/2022	Recommendation for Step 2: establish a hub, to be submitted at MSDIWG14	ESRI	MSDIWG15	
24/2022	An online workshop to be convened to further discuss Step 2: establish a hub for Target 2.1 Build a portal to support and promote regional and international cooperation in marine spatial data infrastructures (MSDI).	MSDIWG Chair and Vice- Chair, ESRI	MSDIWG15	
25/2022	Hosting the MSDIWG14 and coordination with the UN-GGIM Working Group on Marine Geospatial Information and OGC Marine DWG on back-to-back meetings.	IHO Secretariat MSDIWG Chair and Vice- Chair Italy	MSDIWG14	
26/2022	Hosting the MSDIWG15 and coordination with the UN-GGIM Working Group on Marine Geospatial Information and OGC Marine DWG on back-to-back meetings.	IHO Secretariat MSDIWG Chair and Vice- Chair Indonesia	MSDIWG15	