



MARINE SPATIAL DATA INFRASTRUCTURES WORKING GROUP (MSDIWG)
A Working Group of the Inter-Regional Coordination Committee (IRCC)

Chairman: Jens Peter HARTMANN (jepha@gst.dk)
Vice Chair: Vacant
Secretary: John PEPPER (john.pepper@oceanwise.eu)

MSDIWG LETTER 01/2016
26 October 2016

To: MSDIWG Members and Expert Contributors

Subject: 8th MSDIWG Meeting, 31 January – 2 February 2017, Vancouver, Canada

References: A) Action MSDIWG7/22
B) MSDIWG Terms of Reference

Dear Working Group Members and Expert Contributors,

1. In accordance with Reference A, I am pleased to announce that the 8th meeting of the Marine Spatial Data Infrastructures Working Group (MSDIWG8) will be hosted by the Canadian Hydrographic Service (CHS) of Fisheries and Oceans Canada in Vancouver (Canada) from 31 January TO 2 February 2017. Logistical information is provided at Annex A and also available on the IHO website at:

www.iho.int → Committees & WG → MSDIWG → MSDIWG8

2. A provisional agenda for MSDIWG8 is provided in Annex B and also available at the above web address. Please send any comments or additional items you would like to add to the provisional agenda to the MSDIWG Chair (jepha@gst.dk) and the MSDIWG Secretary (john.pepper@oceanwise.eu) **no later than 25 November 2016**.

3. You are invited to complete the Registration Form provided in Annex C (also available at the above web address) and send it via e-mail to: the MSDIWG Secretary (john.pepper@oceanwise.eu) copy to the MSDIWG Chair (jepha@gst.dk) and the IHO Secretariat (adcc@iho.int), at your earliest convenience.

4. I take this opportunity to inform you that the Netherlands communicated that Ms. Ellen Vos is currently not available to continue as the MSDIWG Vice-Chair. I would like to express, on your behalf, the gratitude for the contribution done by Ellen since 2008 (MSDIWG2) when she joined the WG. We therefor need to elect a new Vice-Chair during MSDIWG8 and Members are kindly requested to consider nominating an appropriate candidate for the role of the Vice-Chair of the MSDIWG before the election. In accordance with Reference B, candidates may be a representative of any Member State of the IHO.

I look forward to hearing from you and, hopefully, meeting you in Vancouver in January 2017.

Yours truly,

Jens Peter HARTMANN
IHO Marine Spatial Data Infrastructures Working Group Chair

Enclosures:

Annex A – Logistical Information
Annex B – Provisional Agenda for MSDIWG8
Annex C – Registration Form

8th IHO MSDIWG Meeting Vancouver, Canada 31 January – 2 February 2017

Logistics Information

The 8th IHO MSDIWG Meeting will be hosted by the Canadian Hydrographic Service (CHS) of Fisheries and Oceans Canada in Vancouver, Canada, from 31 January-2 February 2017. As the organizer for the meeting, the CHS is pleased to welcome you to Vancouver and to provide the following logistical information. Please contact CHS if you need any additional information or assistance.

Logistics Questions:

Canadian Hydrographic Service

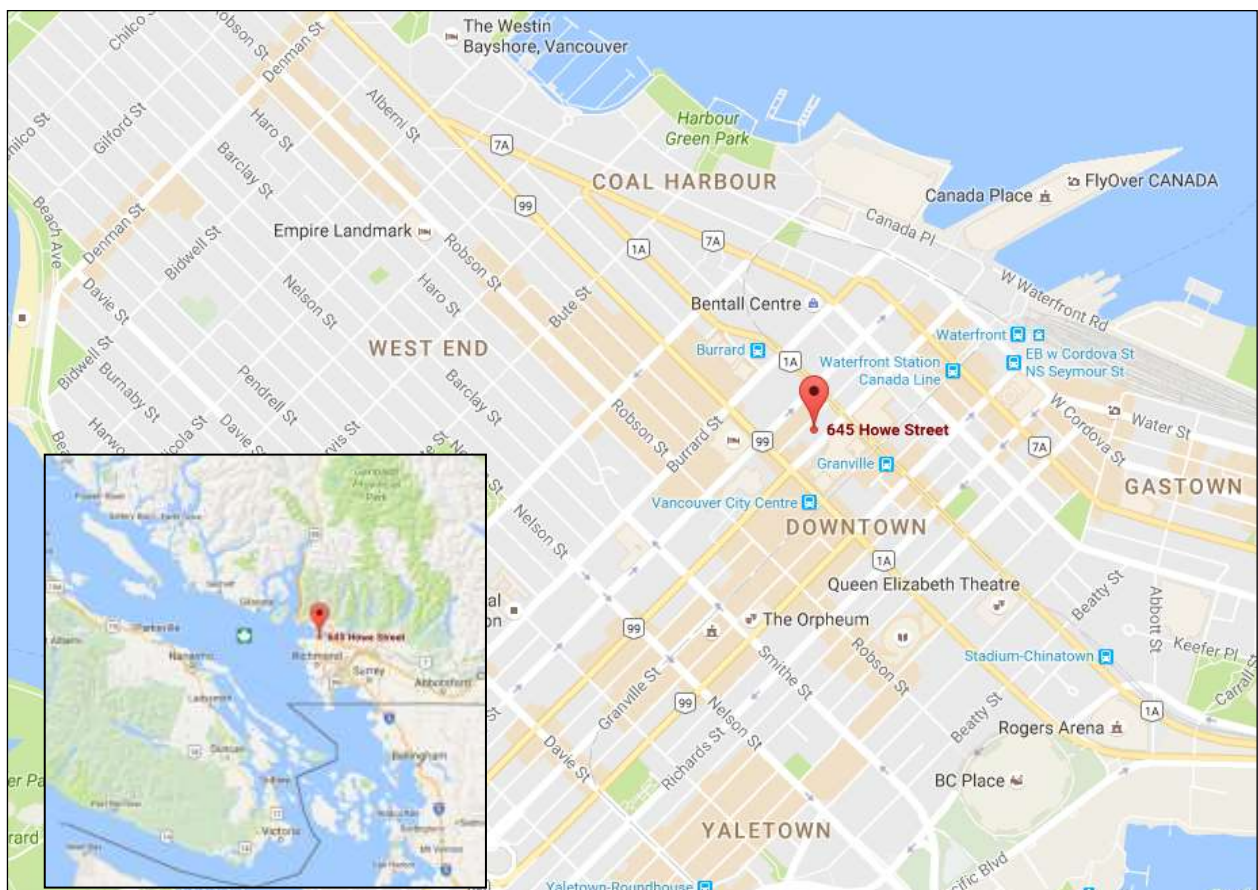
Tel: +1 613-462-8193

E-mail: Claude.Guay@dfo-mpo.gc.ca

Please indicate "MSDIWG" in the subject of your e-mail.

Meeting Place

Please refer to the map of downtown Vancouver below as well as the following information:



The 8th IHO MSDIWG Meeting

The 8th IHO MSDIWG Meeting will be held on 31 January-2 February 2017 at **the Metropolitan Hotel**

Address: 645 Howe St, Vancouver, British Columbia, Canada V6C 2Y9

URL: <http://metropolitan.com/vanc/>

Social Dinner

A non-hosted social evening will be set during the meeting. Further information will be made available at a later date.

Electronic Travel Authorization to enter Canada

To avoid any issues travelling to Canada it is important that you take the necessary time to fill out an eTA (Electronic Travel Authorization) in advance of your arrival. Please visit the following web site for instructions: <http://www.cic.gc.ca/english/visit/visas.asp>

Accommodation

A block of rooms at an excellent preferred rate has been reserved at the Metropolitan Hotel. It is recommended that you book before December 22, 2016 to receive this special rate:

Metropolitan Hotel Vancouver
(near corner of Howe and West Georgia Streets)
645 Howe Street
Vancouver, British Columbia
CANADA V6C 2Y9

TEL: (604) 687-1122
FAX: (604) 602-7846
URL: <http://metropolitan.com/vanc/>
EML: reservations@van.metropolitan.com
RES: (800) 667-2300

It is imperative that individuals indicate they are part of the Fisheries and Oceans Canada Hydrographic Meeting when making reservations to receive their preferred rate.

At the time of booking, the reservation must be guaranteed. The guest must provide a credit card for the first nights room and tax. If the reservation is cancelled within 72 hours of arrival, one night's room and tax will be charged to the card on file.

After Thursday December 22, 2016, the Hotel will continue to accept reservations from attendees. However, after this date rooms will be subject to availability at prevailing rates.

Local Transportation

Airport Transportation

Many options are available to travel from the Vancouver International Airport to downtown Vancouver. Please consult the following website for more information:
<http://www.yvr.ca/en/passengers/transportation>

Getting around in Vancouver:

- Travel and tourist information for Vancouver:
<https://www.tourismvancouver.com/>

- **TransLink** is Metro **Vancouver's** transportation network, serving residents and visitors with public**transit**, major roads, bridges and Trip Planning:
<http://www.translink.ca/>
- There are also numerous taxi companies that can easily be contacted once in Vancouver.

Other Information

Plug type

The electrical plug is type A, that is, two flat parallel blades. Electricity is 120V, 60Hz.



Climate in Vancouver

Vancouver has a moderate, ocean-side climate that is dry and warm in summer and rainy between October and March.

Snowfall is rare in winter, rain is more the norm. In February, the weather starts to warm up compared to January and is especially mild compared to the rest of Canada.

February average high: 7°C / 45°F

February average low: 1°C / 34°F

**8th MEETING OF THE IHO MARINE SPATIAL DATA INFRASTRUCTURES
WORKING GROUP (IHO-MSDIWG8)**

Vancouver, Canada, 31 January-2 February 2017

DRAFT AGENDA AND TIMETABLE

Day one: 31 January 2017

Theme	Time	Subject	Responsibility
Welcome	0930-1020	<p>1.1 Welcome, introduction of participants and practical information</p> <p>1.2. Approval of Agenda <i>Docs: MSDIWG8-01.2 Agenda and Timetable</i></p> <p>1.2.1 Election of the Vice-Chair</p>	Host/Chair
Status		<p>1.3. Terms of reference for the MSDIWG <i>Docs: MSDIWG8-01.3 Terms of Reference</i></p>	Chair
		<p>1.4. Objectives for the meeting <i>Docs: MSDIWG8-01.2 Agenda and Timetable MSDIWG8-01.4a Work plan 2015-2020</i></p> <p>1.4.1. Review of actions items from MSDIWG7 <i>Docs: MSDIWG8-01.4b Action Items from MSDIWG7</i></p> <p>1.4.2. Review the result and feedback from IRCC8 and HSSC8 <i>Docs: MSDIWG8-01.4c MSDIWG report to IRCC8 MSDIWG8-01.4d IRCC8 Report MSDIWG8-01.4e IRCC8 Action list MSDIWG8-01.4f IRCC8 List of Decisions MSDIWG8-01.4g HSSC8 Report</i></p> <p>1.4.3. Short review of relevant items/results from EIHC5</p> <p>1.4.4. Short review of IHO MSDIWG Submission to the 1st Session of the IHO Assembly (A-1) <i>Docs: MSDIWG8-01.4h MSDIWG submission to A-1</i></p> <p>1.4.5. Short review of Revised MSDI White Paper <i>Docs: MSDIWG8-01.4i MSDIWG White Paper</i></p> <p>1.4.6. Short review of work programme (see attached) <i>Docs: MSDIWG8-01.4a Work plan 2015-2020</i></p>	Chair/Vice-Chair/Secretariat/All
Break	1020-1035		
Presentations	1035-1230	<p>1.5. Setting goals for this meeting's and planned outcomes</p>	Chair
		<p>1.6. National presentation from members on status of in-country MSDI MS report listing successes and challenges and ways of overcoming them. <i>Docs: MSDIWG8-01.6a National Report MSDIWG8-01.6b National Report</i></p>	All

Lunch	1230-1315		
Presentations	1315-1500	1.6. National presentation from members on status of in-country MSDI (Continuation)	All
		1.7. Regional presentations of MSDI initiatives	Chair Vice-Chair
Break	1500-1515		
Action items. Presentations and reports	1515-1700	1.8. Action Items from MSDIWG7	
		a. Re-submit a proposal to IRCC for IHO funding to support outreach for 2015 - 2020 MSDIWG work plan (held over from MSDIWG5)	Chair Secretariat
		b. Contact CBSC Chair to discuss assistance in the provision of training and promotional support for MSDI. Project proposal to follow as necessary	Chair
		c. Investigate funding options to support the setting up of a Marine Spatial Planning Common Operating Picture (MSPCOP) project	GSDI - Roger Longhorn
		d. Provide links to WG Members of data requirements for MSP in England. Provide links to WG DIKE from EC DG Environment.	OceanWise
		e. Build a generic business case framework template for MSDI supported by compelling use cases, for MS to submit to decision makers as necessary - include in C-17	Denmark
		f. Discuss with CBSC Chair, the importance of implementing simple data management best practise as part of Phase 1 and 2 CB activities. If appropriate, provide a paper thereafter to CBSC.	Chair/Secretariat
		g. OGC to set up ad-hoc Maritime sub-group and invite MSDIWG members to participate	OGC/Caris
		h. OGC ad-hoc Maritime sub-group and MSDIWG to consider developing a Conceptual Model MSDI.	All
		i. Arctic SDI "request for information" document to be provided to all MSDIWG Members for comment.	NGA/OGC/Chair
		j. Training syllabi to be reviewed to reflect the changing focus of MSDI towards planning, business case development and implementation.	All
		k. Provide guidance to IRCC to encourage feedback by RHC as part of its national reports on the effectiveness and relevance of MSDI Capacity Building training.	Chair Secretariat
l. Training syllabi to be reviewed to reflect the changing focus of MSDI towards planning, business case development and implementation.	All		

	m.	Contact CBSC Chair to establish a better understanding of the reasons for CBSC request to increase the number of trainers for MSDI through Training the Trainer courses	Chair
	n.	Request Secretariat to establish a URL on its MSDI website pointing towards e-learning facilities provided by Caris, Esri and OceanWise. MSDIWG members to supply links to their e-Learning to Secretariat.	Chair Secretaria t
	o.	Set up Drafting Group (DG) to prepare report for IRCC8, containing examples of best practise (Ref: IRCC7 Action 49) for inclusion in Publication C-17.	Chair
	p.	Provide a template re-use licence on the MSDI website for MSDIWG members to follow.	OceanWis e
	q.	Set up Drafting Group (DG) to complete new MSDI submission to IRCC8 for approval and forwarding for consideration at 1 st session of the IHO Assembly in 2017.	Chair
	r.	Set up Drafting Group (DG) to re-draft Publication C-17 for consideration by IRCC8 in pdf and editable digital formats.	Chair
	s.	Set up Drafting Group (DG) to identify those authoritative data that HO's are able to offer to MSDI as "owners" and as "publishers" (for inclusion in Publication C-17)	Chair
	t.	Prepare a paper on this initiative for Chair to forward to IRCC8 to forward for consideration by HSSC as a good way of resolving significant challenges in reconciling, for example, differences between land and offshore CRS.	OGC, Caris, Esri, OceanWis e
	u.	Provide for MSDIWG8, presentations of examples of Marine Cadastre (MC), to provide greater understanding of what constitutes MC and its role in MSDI.	All
	v.	MSDIWG8 to include agenda item to consider the impact of adopting the cloud concept inviting MSDIWG members to bring forward ideas and methods pertinent to them.	Esri, Caris, OGC
	w.	Request HSSC WG to clarify if the S-102 product specification can support multiple surfaces.	Germany
	x.	Respond to IHO-EU Network Working Group (IENWG) advising that IHO considers this regional activity should be coordinated through RHC MSDIWG rather than IHO MSDIWG.	Chair
	y.	Publication C-17 Drafting Group to provide guidelines to Members on preparing a business case for SDI prior to submission to IRCC-8.	Chair
	z.	Consideration to be given to improving the way that MSDI information is presented on the IHO website.	Chair
	aa.	Chair to approach CHS to confirm willingness to host 2017 Demonstration Day, Open Forum and WG meetings on 31 Jan-3 Feb 2017.	Secretaria t/Chair

		bb. Consideration to be given to video streaming the Open Forum in future and to upload to the web for wider dissemination.	Secretaria t/Chair
		cc. WG members to indicate their willingness to host MSDIWG and Open Fora in 2018, 2019 and 2020.	All
Closing	1700	Closing of day one of the workshop	

Day two: 1 February 2017

Theme	Time	Subject	Responsib .
Welcome	0930-0935	2.1. Welcome and review of day one.	Chair
	0935-0940	2.2. Continuation of action items (1.8)	Chair
Task C MSDI training and education	0940-1000	2.3. General presentation of Task C. Provide annual technical reports to HSSC through IRCC if needed	Chair/all
		C1. Feedback. Establish and maintain a MSDI training syllabus for use across IHO community	All
		C2. E-learning Request CBSC through IRCC to facilitate e-learning for MSDI	Chair
		C3. Outreach to academia and other bodies to promote and contribute to MSDI in the hydrographic community Investigate the possibilities for establish a MSDI work shop wider audience	All
Task B Assess the existing and new standards in the provision of marine components of spatial data infrastructures	1000-1020	2.4. General presentation of Task B. Status, challenges way ahead on activities and actions	Vice-Chair
		B1. Identify HO datasets and use cases for the use in MSDI Create/develop and maintain relevant MSDI matrixes INSPIRE	OceanWis e
		B2. Review standards and specifications relevant for MSDI Determine and log any issues of concern in WG regarding existing and new standards	Vice-Chair All
		B3. Provide annual technical reports to HSSC through IRCC if needed	
Break	1020-1035		
Task A Identify and promote national and regional best practices:	1035-1230	2.5. General presentation of Task A. Status, challenges way ahead on activities and actions	Chair
		A1 Set up a survey to establish current position in respect of benefits and challenges faced by MS's role in NSDI and/ or MSDI	Secretaria t
		A.2 Monitor and report on national, regional and international MSDI activities and report to enable increased visibility of hydrographic importance	Vice-Chair
		A.3 MS to identify relevant use cases for MSDI and report to MSDIWG	All
Lunch	1230-1315		
Task D Facilitate (external) MSDI	1315-1500	2.6. General presentation of Task D. Status, challenges way ahead on activities and actions	Secretaria t
		D1. Update the IHO MSDI webpage • Maintain MSDI reference documentation on the IHO website	Secretaria t/Chair

communication		<ul style="list-style-type: none"> Identify and make available MS Web sites/papers that address technical issues such as datum, WMS, WFS for charting data. Poll MSDIWG members for input work, with Secretariat to post on IHO Web site. Investigate the possibility for an additional new web address for the MSDI webpage 	
		D.2. MSDI communication and dissemination Support the establishment of a Linked in MSDI group	CARIS
Break	1500-1515		
Task E Maintain and extend the publication IHO MSDI C-17	1515-1700	2.7. General presentation of Task E. Status, challenges way ahead on activities and actions	Chair Secretariat
		E1. Update the publication IHO MSDI C-17 <ul style="list-style-type: none"> Update information Provide case studies Best practice guidelines defined 	Secretariat All
		E2. Presentation of C-17 Investigate new options with Secretariat of presenting C-17 as a web publication	All
Task G Ensure that MSDI is a standing agenda item for RHCs' meetings		<ul style="list-style-type: none"> MSDIWG paper to IRCC re-stating importance of RHC's placing MSDI as an agenda item at RHC meetings. MSDI inputs and actions from RHC's fed back to MSDIWG Ensure that MSDI is a standing agenda item for RHCs' meetings and RHCs' report back to MSDIWG: Investigate new options: Should the MSDIWG appoint MSDI ambassadors in RHC? Should the MSDIWG provide standard MSDI presentations to RHC? Should the MSDIWG establish best practise MSDI cases for RHC? 	All
Work groups		Establishment of work groups if deemed necessary	
Closing	1700	Closing of day two of the workshop	

Day three: 2 February 2017

Theme	Time	Subject	Responsib .
Welcome	0930-0935	Welcome, and summing up	Chair
Status	0935-1020	3.1. Feedback and discussion.	All
Break	1020-1035		
Discussion	1035-1230	3.2. Identify HO datasets and use cases for the use in MSDI	All
		3.3. Input to action list. <i>Docs: MSDIWG8-01.4b Action Items MSDIWG7</i>	Secretariat
Lunch	1230-1315		
Status and how to proceed	1315-1500	3.4. Items from the work plan not covered by Sub groups	All
		3.5. Updating the MSDIWG work plan 2015-2020 and action list	All
		3.6. Any other business	All
Break	1500-1515		
Next meeting	1515-1555	3.7. Content of next MSDIWG9 meeting, MSDI Demonstration Workshop and Open Forum	All
		3.8. Place and time for the next MSDI open forum meeting and MSDIWG9 meeting	All
		Evaluation of the 3 last days	All
Closing	1600	Closing of the meeting	Chair

**Marine Spatial Data Infrastructures Working Group (MSDIWG)
8th Meeting (MSDIWG8), 31 January – 2 February 2017
Vancouver, Canada**

REGISTRATION FORM

[Please send this via e-mail to the MSDIWG Secretary (john.pepper@oceanwise.eu) copy to the MSDIWG Chair (jepha@gst.dk) and the IHO Secretariat (adcc@iho.int) at your earliest opportunity, preferably by 25 November 2016]

- Notes:
1. The boxes will expand as you type your answers
 2. See also Logistical Information on the IHO website.

**Member State /
Organization**

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1. Contact Details:

Family Name*

Given or Personal Name

Position / Job title / Role

Nationality

Telephone

E-mail

Accompanying person(s)

* Underline the name generally used in case of double surnames such as in Spanish-speaking countries

2. Travel Details (for administrative purpose only; participants are expected to make their own travel arrangements):

Your Arrival in Vancouver, Canada	Airport	
	Date	
	Flight Number	
	Airline	
	Arrival Time	

Your Departure Vancouver, Canada	from	
	Airport	
	Date	
	Flight Number	
	Airline	
Departure Time		

3. Hotel Information

Selected Hotel

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Comments

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Date

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