

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

Chairman: Jens Peter HARTMANN (jepha@gst.dk)

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Secretary: John PEPPER (john.pepper@oceanwise.eu)

MSDIWG LETTER 01/2017 17 May 2017

To: MSDIWG Members and Expert Contributors

Subject: MSDIWG9 Meeting, 29 January – 2 February 2018, Niteroi, Brazil

Reference: MSDIWG 2018-2020 WP Task H.1

Dear Working Group Members and Expert Contributors,

1. In accordance with the reference, I am pleased to announce that the 9<sup>th</sup> meeting of the Marine Spatial Data Infrastructures Working Group (MSDIWG9) will be hosted by the Directorate of Hydrography and Navigation (DHN) of the Brazilian Navy in Niteroi (Brazil) from 30 January to 1 February 2018. 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 July 2017.
- 3. The registration for the meeting will be done via the IHO Online Registration System, available at:

www.iho.int → IHO Calendar → Go to the IHO On-line Registration
Please read the Guidance Document and
contact the IHO Secretariat in case you experience any difficulty. For those of you already
registered for any IHO meeting, you will not be requested to input your contact information
again but only the details related to the MSDIWG9 meeting.

4. In accordance with the reference, the MSDIWG9 will be preceded by an Open Forum (29 January 2018), organized by the DHN, and followed by a meeting of the OGC Marine Domain Working Group (2 February 2018), organized by OGC.

5. I call your attention to the information provided by the hosts on hotel reservations as January is the peak of the summer season in Rio de Janeiro and on the eventual need for visa to enter Brazil, so please do not leave for the last minute to organizer your trip.

I look forward to hearing from you and, hopefully, seeing you in Brazil in January 2018.

Yours truly,

Jens Peter HARTMANN IHO Marine Spatial Data Infrastructures Working Group Chair

**Enclosures:** 

Annex A – Logistical Information

Annex B – Provisional Agenda for MSDIWG8



## 9th IHO MSDIWG Meeting Niterói, Brazil, 29 January – 2 February 2018



#### **Logistics Information**

The 9th IHO Marine Spatial Data Infrastructures Working Group (MSDIWG) Meeting will be hosted by the Directorate of Hydrography and Navigation (DHN) in Niterói – Rio de Janeiro, Brazil, from 29 January - 2 February 2018. As the organizer for the meeting, the DHN is pleased to welcome you to Niterói and to provide the following logistical information. Please contact us if you need any additional information or assistance.

1) Location: The meeting will be held at the DHN located in Niteroi - Rio de Janeiro, at the following address:

Directorate of Hydrography and Navigation (DHN) (Diretoria de Hidrografia e Navegação) Barão de Jaceguay, s/n Ponta da Armação 24048-900 Niteroi-RJ Brazil

DHN is located at Lat 22° 52,991'S, Lon 43° 08,048'W. You can click in this <u>LINK</u> to access the position in Google Maps.

#### 2) DHN Point of Contact:

Miss Larissa Tito <u>int.rel@marinha.mil.br</u> Phone: +55 (21) 2189-3014 +55 (21) 2189-3511

#### 3) Accommodation in Niteroi:

Meeting participants are expected to arrange their own accommodation. We have made a block booking in two hotels in Niterói near to DHN:

- a) H Niterói Hotel: <a href="http://hniteroi.com.br">http://hniteroi.com.br</a> (LINK to Google Maps)
- b) Icaraí Praia Hotel: <a href="http://www.icaraipraiahotel.com.br">http://www.icaraipraiahotel.com.br</a> (LINK to Google Maps)

Please keep in mind that January is the high season in Rio de Janeiro and the meeting is shortly before Carnival. After making the reservation, please include the reservation details in the registration form, including arrival and departure times, so DHN can organize your transport from and to the Airport.

#### 4) Local Transportation:

DHN will provide transportation from and to the airport if you stay in any of the two above hotels in Niterói. A bus will pick up the participants every morning at 08:15 a.m. to take them to the meeting venue. If you stay in other hotels please move to one of these hotels in order to enjoy the transport to DHN.

#### 5) Lunch during meeting days:

DHN will offer coffee breaks and lunch in the meeting days. Participants are invited to arrange their breakfast and dinner.

#### 6) City information:

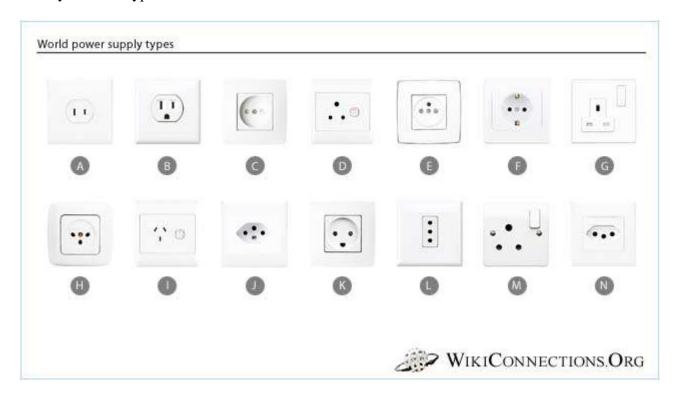
An overview about Rio de Janeiro city may be seen at: <a href="http://br.youtube.com/watch?v=EQ3GOVycA7M">http://br.youtube.com/watch?v=EQ3GOVycA7M</a>

#### 7) Passports and Visas:

All meeting participants should check well in advance whether you need a visa to enter Brazil and apply for with the necessary anticipation. If you need a letter of invitation to support your visa application, please contact us using the email address above. Please provide your full name as on your passport, nationality, date of birth, job title and passport number (participants may send a copy of the main page of the passport).

#### 8) Plug type:

The electrical plug is the type N (see image below) and current is 120 V, 60 Hz. However, you may still find types A and B in some old installations.



#### 9) Internet:

Wireless LAN service is planned in the meeting room.

#### 10) Climate:

In Rio de Janeiro January/February is summer season, temperatures ranging from an average low of 25°C to an average high of 38°C, mostly sunny.

# 9th MEETING OF THE IHO MARINE SPATIAL DATA INFRASTRUCTURES WORKING GROUP (IHO-MSDIWG9)

Niteroi, Brazil, 29 January - 2 February 2018

### DRAFT AGENDA AND TIMETABLE

(The meeting will be preceded by the MSDI Open Forum on 29 January 2018)

Day one: 30 January 2018

Theme	Time	Subject	Responsible
Welcome	0900 - 1030	1. Welcome, introduction of participants and practical information  Docs: MSDIWG9-01a List of Documents  MSDIWG9-01b List of Participants  MSDIWG9-01c List of MSDIWG Members and Expert Contributors  2. Approval of Agenda  Docs: MSDIWG9-02 Agenda and Timetable	Host/Chair
Status		3. Terms of reference for the MSDI WG Docs: MSDIWG9-03 Terms of Reference	Chair
		4. Objectives for the meeting  Docs: MSDIWG9-04 Work plan 2015-2020	Chair/ Secretariat/ All
		4.1. Review of actions items from MSDIWG8  Docs: MSDIWG9-04.1 Action Items from MSDIWG8	
		4.2. Review the result and feedback from IRCC9 and HSSC9  Docs: MSDIWG9-04.2a MSDIWG report to IRCC9  MSDIWG9-04.2b IRCC9 Report  MSDIWG9-04.2c IRCC9 Action list  MSDIWG9-04.2d IRCC9 List of Decisions	
		MSDIWG9-04.2e HSSC9 Action list	
		4.3. Review of the MSDIWG submission to and of outcomes from A-1  Docs: MSDIWG9-04.3a IRCC Report to A-1  MSDIWG9-04.3b Decisions of A-1	
		4.4. Short review of work programme  Docs: MSDIWG9-04.4 Work plan 2017-2020	
Break	1030 -	- 1050	Host
Presentations	1050	5. Setting goals for this meeting	Chair
	1230	6. National presentation from members on status on MSDI  Docs: MSDIWG9-06a National Report -  MSDIWG9-06b National Report -	All
		Member States report to MSDIWG the successes and challenges and ways of overcoming them.	
Lunch	1230 -	- 1330	Host
Presentations	1330	6. National presentation from members on status on MSDI (continued)	All
	1500	7. Regional and other relevant presentations of MSDI initiatives  Docs: MSDIWG9-07a Arctic MSDIWG  MSDIWG9-07b BS-NSMSDIWG  MSDIWG9-07c Baltic MSP data expert group  MSDIWG9-07d OGC Marine Domain WG  MSDIWG9-07e IHO Crowdsourced Bathymetry WG	Chair/ Member States

Break	1500	MSDIWG9-07f Marine Cadastre in Europe MSDIWG9-07g EMODNet  - Arctic MSDIWG - BS-NSMSDIWG - Baltic MSP data expert group - OGC Marine Domain WG - IHO Crowdsourced Bathymetry WG - Marine Cadastre in Europe - EMODNet - Others	Host
		8. Action Items	IIO5t
Action items. Presentations and reports	1700	Action 1/2017: Ref: Action Plan B3- Prepare a White Paper advising of the advantages of adopting standards when developing the MSDI framework	OGC Marine DWG
		Action 2/2017: Contact IRCC Chair requesting IRCC-9 receives prompt feedback from RHC's on MSDI Training Course outcomes	Chair/Secret ary
		Action 3/2017: Request that IRCC consider making C-17 v2.0 dynamic in nature enabling new information to be made available in a timely manner.	Chair
		Action 4/2017: Submit a paper to HSSC-10 outlining options for the development of DGGS	OGC Marine DWG
		Action 5/2017: Provide report to MSDIWG-9 on S-102 Scientific implementation plans	Germany
		Action 6/2017: Request ideas from IHB Secretariat on how the IHO website can enable "one click" download of information	Chair/Secret ary
		Action 7/2017: Revise Action Plan for submission to IRCC-9 to reflect new IHO 3 year Planning Cycle	Chair/Secret ary
		Action 8/2017: WG Members to put forward case study material for onward publication in the IHO "Body of Knowledge" web pages	Brazil, USA Korea, Canada, Malaysia, OceanWise
		Action 9/2017: Prepare a primary use case for Arctic bathymetry SDI	OGC Marine DWG
		Action 10/2017: Develop EMU as a MSDI Case Study	Chair, Esri
		Action 11/2017: Include EMU in WG Report IRCC-9 for onward submission to HSSC-8	Chair
		Action 12/2017: WG members to indicate their willingness to host MSDIWG and Open Fora in 2018, 2019 and 2020.	All
		Action 13/2017: Develop and deliver a structured outline Project Plan for identified topic areas with timelines and with identified funding options	GSDI, Chair Marine DWG
		Action 14/2017: As part of the MSDIWG annual report to IRCC; recommend that MS, through RHC's are encouraged to join the OGC Marine DWG.	Chair, OGC Marine DWG
		Action 15/2017: Draft letter to all RHC Chair's through IRCC providing a list of MSDI reporting requirements (e.g. Maturity Assessment template)	Chair

		Action 16/2017: To investigate the use of "Go to Meeting" for future MSDIWG meetings	Chair/Secret ary
		Action 17/2017: Provide WG comments on CSB Paper to CSBWG Chair	Chair
Closing	1700	Closing of day one of the meeting	Chair

## Day two: 31 January 2018

Theme	Time	Subject	Responsible
Welcome	0900 - 0930	Welcome and summing up from day one	Chair
Task A Communicatio n and dissemination	0930 - 1000	9.1 General presentation of Task A Status, challenges way ahead on activities and actions	Chair
		A.1 Implement MSDI Maturity Assessment to enable consistent reporting from MS through RHC to IRCC.	Denmark, OceanWise
		A.2 Identify definitions, appropriate and relevant standards and components of (M)SDI.	Malaysia, GSDI
		A.3 Develop and provide guidelines on MSDI implementation.	Canada, IIC, OceanWise
		A.4 Develop MS or RHC relevant Case Studies.	Denmark, USA, Brazil, Korea
		A.5 Create video recording of MSDI for HO and wider marine community.	Korea
Task B Operational -	1000	9.2 General presentation of Task B Status, challenges way ahead on activities and actions	Chair
Data sharing and management		B.1 Create an implementation Roadmap template for MSDI (at national and/or regional level)	USA, IIC, Esri
		B.2 Identify core data for input to MSDI to support multiple applications	Germany, Canada, IIC, OceanWise
		B.3 Identify wider user requirements for bathymetry data	Portugal, Canada, IIC, OGC, Caris, Esri
Break	1030 -	1050	Host
Task C Policies and	-	9.3 General presentation of Task C Status, challenges way ahead on activities and actions	Chair
governances – RHC	1130	C.1 Draft data policy statements for MSDI	USA, GSDI, OceanWise
		C.2 Develop a conceptual architecture for MSDI	Malaysia, Norway, IIC,
		C.3 Develop a governance model for MSDI	Denmark, USA
Task D Standards (OGC and HSSC)	-	9.4 General presentation of Task D Status, challenges way ahead on activities and actions	Chair
	1200	D.1 Identify relevant standards to support MSDI implementation and operation.	OGC Marine DWG

		D.2 Assess the suitability and shortcomings of standards in supporting data interoperability.	OGC Marine DWG, Portugal	
Task E Innovation – Future perspectives (2021 - 2023)	1200 - 1230	9.5 General presentation of Task E Status, challenges way ahead on activities and actions	Chair	
		E.1 Identify and report on the future trends affecting MSDI e.g. autonomous platforms, standards, big data, cloud, internet of things and artificial intelligence.	Portugal, USA, Esri, OceanWise	
		E.2 Establish an IHO MSDI vision for 2030.	UK, OceanWise	
Lunch	1230 -	- 1330	Host	
Task F Training and education	1330 - 1400	9.6 General presentation of Task F Status, challenges way ahead on activities and actions	Chair	
		F.1 Develop and maintain training syllabi	Denmark, OceanWise	
		F.2 Support development and delivery of e-learning platforms	GSDI, Esri, OceanWise	
		F.3 Develop a MSDI communications plan	IHO Sec., GSDI	
Task G Maintain and extend the publication IHO MSDI C- 17	1400 - 1430	tain and -	9.7 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: MSDIWG9-09.7 Draft Ed. 2.0.0 IHO Publication C-17	USA, Denmark, Germany, Portugal, OceanWise	
Task H Conduct annual meetings of MSDIWG, MSDI Open Forum, OGC Marine DWG	1430 - 1500	9.8 General presentation of Task H Status, challenges way ahead on activities and actions	Chair	
		H.1 Conduct 2018 -20 meetings of MSDIWG, arranged back to back with 1-day MSDI Open Forum and OGC Marine DWG	MSDIWG Management Group (Chair/Vice Chair, Sec, IHO Sec)	
Break	1500 -	- 1520	Host	
Work groups	1520 - 1700	Continuation of the review of tasks Establishment of work groups if deemed necessary	Chair	
Closing	1700	Closing of day two of the meeting		

## Day three: 1 February 2018

Theme	Time	Subject	Responsible
Welcome	0900	Welcome and summing up of day 2	Chair
	- 0930		
Status	0935	10. Feedback and discussion.	All
	1030		
Break	1030 -	1050	Hosts

Discussion	1050 - 1230	11. Updating the MSDIWG work plan 2017-2020 and action list  Docs: MSDIWG9-11a List of Actions  MSDIWG9-11b Updated work plan 2017-2020  MSDIWG work plan 2017-2020 will be updated and the List of Actions will be built during the meeting.	All
Lunch	1230 -	- 1330	
Status and how to proceed	1330 - 1430	12. Drafting the MSDIWG9 Report  Docs: MSDIWG9-12 Draft MSDIWG9 Report	All
		13. Any other business	All
Break	1500 -	- 1520	
Next meeting	1515 - 1555	14. Content of next MSDIWG10 meeting, MSDI Open Forum and OGC Marine DWG	All
		15. 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). MSDIWG10: January/February 2019, Busan, Republic of Korea MSDIWG11: January/February 2020, depending on proposals MSDIWG12: January/February 2021, depending on proposals	All
		Evaluation of the three last days	All
Closing	1700	Closing of the meeting	Chair