



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: Sebastian CARISIO (ngamaritimemdsi@nga.mil)
Secretary: John PEPPER (john.pepper@oceanwise.eu)

MSDIWG LETTER 01/2018
13 December 2018

To: MSDIWG Members and Expert Contributors

Subject: MSDIWG10 Meeting, 4 - 6 March 2019, Busan, Republic of Korea

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 10th meeting of the Marine Spatial Data Infrastructures Working Group (MSDIWG10) will be hosted by the Korean Hydrographic and Oceanographic Agency (KHOA) in Busan (Republic of Korea) from 4 to 6 March 2019. Logistical information is provided at Annex A and also available on the IHO website at:

www.iho.int/msdiwg → MSDIWG10

2. A provisional agenda for MSDIWG10 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) with copy to the MSDIWG Secretary (john.pepper@oceanwise.eu) and the IHO Representative (alberto.neves@iho.int) **no later than 1 February 2019** (email sent by the IHO Representative on 16 November 2018 refers).

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 MSDIWG10 meeting.

4. The MSDIWG10 will be followed by a meeting of the UN-GGIM WGMGI (7 to 9 March 2019), organized by this WG.

5. I call your attention to the information provided by the hosts on hotel reservations and on the eventual need for visa to enter Republic of Korea, 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 Busan in March 2019.

Yours truly,

A handwritten signature in blue ink, reading "Jens Peter Hartmann". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Jens Peter HARTMANN
IHO Marine Spatial Data Infrastructures Working Group Chair

Enclosures:

Annex A – Logistical Information

Annex B – Provisional Agenda for MSDIWG8

10th IHO MSDIWG Meeting

Busan, Republic of Korea, 4-6 March 2018

LOGISTICS INFORMATION

Venue

The IHO MSDIWG10 (4-6 March) meeting and UN GGIM WGMGI1 (7-9 March) meeting will take place at the Haeundae Grand Hotel, Busan, Republic of Korea.



Accommodation

Participants are expected to make their own accommodation arrangements. However, assistance can be provided as needed. Anyone requiring assistance is invited to contact Mr. Junshik LEE (ljs7979@korea.kr) and Mr. Martin PARK (martin.park@korea.kr). The block reservation for the meeting will be available by the end of the February 2019 with special rates as described below.

1. HAEUNDAE GRAND HOTEL



Address: 217, Haeundaehaebyeon-ro, Haeundae-gu, Busan, Republic of Korea

Tel: +82-51-740-0114

Fax: +82-51-740-0554

E-mail for reservations: reservation@haeundaegrandhotel.com

Website: www.haeundaegrandhotel.com

Rate: There are various room types available.

- US\$120 (City View), US\$150 (Ocean View) per room per night (**This is a negotiated rate**).
- 10% service charge and 10% tax are included.
- Breakfast buffet is NOT included. If you wish to have it, please tick the box in the registration form. The rate is US\$25.

Reference for booking: Please indicate “UN GGIM (7-9 March) 2018 Special Rate US\$120”

Note: All meetings will be held at the Haeundae Grand Hotel Busan.

The registration forms to the HAEUNDAE GRAND HOTEL and to the KOLON SEACLOUD HOTEL can be found in the Annex.

Transportation

To and From airport

The Gimhae International Airport is located at Daejeo 2-dong, Gangseo-gu, Busan. The link is:

<http://www.airport.co.kr/gimhaeeng/main.do>

While there are several transportation options to travel from the Airport to Haeundae Grand Hotel’, we recommend considering:

1. **Limousine Bus** (Cost : Adult KRW7,000, Child KRW4,500)
Route name: Haeundae Limousine (Get off at ‘Haeundae Grand Hotel’)
Boarding location: Domestic/International Terminal 1st Floor Bus Stop 2



Interval: about 30 min.

(06:50, 07:15, 07:40, 08:05, 08:30, 08:55, 09:20, 09:50, 10:20, 10:45, 11:10, 11:35, 12:00, 12:30 13:00, 13:30, 14:00, 14:30, 15:00, 15:30, 16:00 16:30, 17:00, 17:30, 18:00, 18:30, 19:00, 19:30 20:00, 20:30, 21:00, 21:30, 22:00, 22:20)

2. **Bus** (Cost : Adult KRW1,500, Kid KRW4,500)
307 (Get off at the Novotel Ambassador)
3. **Taxi**
General 30,000KRW, Black Cab 45,000KRW or less (Approx. 40 mins)

Weather

Korea has four seasons, with a wet monsoon/summer season in the middle of the year, and a cold winter from November

to March. Autumn is from September to November, and it is the transition period to winter. Average temperature of March in Busan is approximately 3°C~12°C. Please check the latest weather information prior to your departure for Korea. (<http://web.kma.go.kr/eng/index.jsp>)

Official Language

The official language of the Republic of Korea is Korean. However, most of the street and road signs are written in both Korean and in English. Services are available in English at airports and hotels.

Tourist Information

Busan is the Republic of Korea's second largest metropolis after Seoul, the capital. It has Korea's longest beach and the world's fifth busiest seaports by cargo tonnage. It is one of the most famous tourist locations in Korea and you can find traditional and historic sites as well as lots of modern shopping and entertainment districts. More information can be found at: <http://www.tripadvisor.com/Tourism-g297884-Busan-Vacations.html>.

Travel Documents & Visa

You can check the required travel documents by country at: <https://bit.ly/2KKjYPy>

Electrical Power

The standard voltage in Korea is 220 volts. The outlet has two round holes and is the same type used in France, Germany, Austria, Greece, Turkey, and many other countries. If you do not have a multi-voltage travel adapter, you can borrow one from your hotel's front desk.



Contact and Additional Information

Mr. Junshik LEE
Email: ljs7979@korea.kr
Phone: +82-(0)51-400-4340~4344
Mobile: +82-(0)10-2664-8703

Mr. Martin PARK
Email: martin.park@korea.kr
Phone: +82-(0)51-400-4340~4344
Mobile: +82-(0)10-9139-1717

HAEUNDAE GRAND HOTEL

HAEUNDAE GRAND HOTEL RESERVATION FORM

IHO MSDIWG10 and UN GGIM WGMGI1 Meetings(Mar. 4~9, 2019)

| | | | |
|---|------------------------|--------------|------------------------|
| <input type="checkbox"/> Mr. <input type="checkbox"/> Ms. | Last Name | First Name | |
| Company | | | |
| Address | | | |
| Tel | | Fax | |
| E-mail | | Passport No. | |
| Check-in | Date: Time: | Check-out | Date: Time: |
| Flight No. | Arrival Time | | |

Following hotel rooms are available at special rates during Agenda for IHO MSDIWG10 and UN GGIM WGMGI1 meetings. Should you wish to make reservation for your accommodation, please fill in details on this form and email or fax directly to Haeundae Grand Hotel.

HOTEL

| | |
|---|--|
|  5 Star Hotel Reservations: Tel:+82 51 7400 114 Fax:+82 51 7400 554 | Haeundae Grand Hotel Busan (http://www.haeundaegrandhotel.com/main.asp) <input type="checkbox"/> Deluxe City View: KRW 133,100 /night, <input type="checkbox"/> Double <input type="checkbox"/> Twin <input type="checkbox"/> Ondol Double <input type="checkbox"/> Deluxe Ocean View: KRW 169,400 /night, <input type="checkbox"/> Double <input type="checkbox"/> Twin <input type="checkbox"/> Ondol Double <input type="checkbox"/> Executive City View: KRW 205,700/night, <input type="checkbox"/> Double <input type="checkbox"/> Twin Inc. Breakfast for 2persons <input type="checkbox"/> Executive Ocean View: KRW 242,000 /night, <input type="checkbox"/> Double <input type="checkbox"/> Twin Inc. Breakfast for 2persons <input type="checkbox"/> Executive Ocean Suite: KRW 423,500 /night, <input type="checkbox"/> Double <input type="checkbox"/> Twin Inc. Breakfast for 2persons <input type="checkbox"/> Breakfast: KRW 26,620 /night * There will be extra charge KRW 48,400 for Saturday. * High Speed Wireless and Wired Internet access are available in all rooms at free of charge. * The swimming pool and fitness center are available for use without any cost during the stay. * The above rates are included 10% tax and 10% service charges. |
|---|--|

Reservation Guarantee

| | | | |
|---------------------|--|--------------------------|-------------|
| Card Type | <input type="checkbox"/> Amex <input type="checkbox"/> Diners <input type="checkbox"/> JCB <input type="checkbox"/> Master <input type="checkbox"/> VISA | | |
| Card Holder's Name: | | Security Code (3 digits) | |
| Card No. | | Exp. Date | MM/YY (/) |
| Signature | | Date | |

Please send to:

| | |
|--------------------|---|
| Reservation | Tel: +82-51-740-0114 Fax: +82-51-740-0554 E-mail: reservation@haeundaegrandhotel.com |
|--------------------|---|

Reservation Policy: All dates are based on the Korean standard time.

Room deposits and payments are the responsibility of the attendee and will be acknowledged directly by attendee.

Guests are responsible for direct payment to the hotel for all charges including room, tax and personal incidentals.

Check in time is 14:00 PM and **Check out** time is 12:00 PM.

| Cancellation Condition | Penalty |
|-----------------------------------|-------------------------------------|
| 6~4 days before check-in | 100% of one night will be charged |
| 3 days~On check-in date & No-Show | All night room rate will be charged |

* Early checkout will be also charged 100% the rest of duration reserved.

* If you cancel or no-show, Cancellation fee will be charged automatically with the above credit card without further notice.



KOLON SEACLOUD HOTEL RESERVATION FORM

IHO MSDIWG10 and UN GGIM WGMGI1 Meetings

| | | | |
|---|--------------------------------------|--------------------------------------|---|
| Arrival Date | | Departure Date | |
| First name | | Last name | |
| No. Of Occupant | | No. Of Rooms | |
| Company | | Gender | <input type="checkbox"/> Mr. > <input type="checkbox"/> Ms. |
| Room type | Rate(week) | Rate(sat) | Remark |
| Superior <input type="checkbox"/> Double <input type="checkbox"/> Twin | <input type="checkbox"/> KRW 88,000 | <input type="checkbox"/> KRW 143,000 | 1~2 PAX |
| Superior Triple / Deluxe Family | <input type="checkbox"/> KRW 110,000 | <input type="checkbox"/> KRW 165,000 | 1~3 PAX |
| Executive suite | <input type="checkbox"/> KRW 165,000 | <input type="checkbox"/> KRW 187,000 | 1~2 PAX |
| <ul style="list-style-type: none"> ● 10% tax included ● Our hotel is the first Residence Hotel in Busan (We will offer Kitchen utensils for free if you need) ● We offer a room with Haeundae full ocean view on a first come, first served basis ● High speed wireless and wired internet access are available in all rooms and lobby at free of charge. | | | |
| Contact | | Fax | |
| Mobile | | Email | |
| Credit Card Name | | | |
| Credit Card No | | | |
| Expire Date | | | |
| Remarks | | | |
| Signature | | | |

* Cancellation Charge : At room cancellation, if the room is not cancelled by 18:00 the day before stay, it is required to pay a No-Show charge of a 1 night stay.

For Reservation

Address : SeacLOUD Hotel: 1392-100, Jungdong, Haeundaegu, Busan, South Korea

Homepage : www.seacLOUDhotel.com

E-Mail : rsvn@seacLOUDhotel.com / Tel : + 82-51) 933-1000~1004 / Fax : +82-51) 933-1001

Sales Manager : Brandon Park / +82-10-9182-6700 / brandon@seacLOUDhotel.com

**10th MEETING OF THE IHO MARINE SPATIAL DATA INFRASTRUCTURES
WORKING GROUP (IHO-MSDIWG10)**

**Busan, Republic of Korea (4-5 March 2019)
DRAFT AGENDA AND TIMETABLE (Version 1)**

Day one: 4 March 2019

| Theme | Time | Subject General | Responsible |
|----------------------|--------------------|---|-------------------------------|
| Welcome | 0900 - 1030 | 1. Welcome, introduction of participants and practical information <i>Docs:</i> 2. Approval of Agenda <i>Docs:</i> | Host/Chair |
| Status | | 3. Terms of reference for the MSDI WG <i>Docs:</i> | Chair |
| | | 4. Objectives for and structure of the meeting <i>Docs:</i> 4.1. Review of actions items from MSDIWG9 <i>Docs: MSDIWG9-04.1 Action Items from MSDIWG9</i> 4.2. Review the result and feedback from C2. IRCC10 and HSSC10 <i>Docs:</i> 4.3. Setting goals for this meeting 4.4. Short review of work programme <i>Docs:</i> | Chair/ Secretariat/ All |
| Break | 1030 - 1050 | | Host |
| Presentations | 1050 - 1230 | 5. Structure of national reports: See C-17 part 2.1 - <i>Policy and Governance</i> - <i>Technical standards</i> - <i>Information systems</i> - <i>Geographic content</i> | Chair |
| | | 6. National presentation from members on status of MSDI <i>Docs: MSDIWG9-06a National Report - MSDIWG9-06b National Report -</i> 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.: - Arctic MSDIWG - BS-NSMSDIWG - Baltic MSP data expert group - OGC Marine Domain WG - IHO Crowdsourced Bathymetry WG - EMODNet - Others Expect 10 minutes 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. | Chair/ VChair |
| | | 8.1 Discussion on how a MSDI can support these goals. | All |
| | | 8.2 Prioritization of the 3 most important goals from a MSDI perspective | All |
| | | 8.3 Discussion on how to cooperate with the UNGGIM Working Group on Marine Geospatial Information in a forward looking perspective | All |
| | | 9. IHO-OGC MSDI Concept development Study | VChair |
| | | 9.1 Discussion of outcome | All |
| | | 9.2 Discussion on how to proceed | All |
| | | 9.3 Development of a MSDI Pilot Project | All |
| | | 10. Action Items divided in accordance with C-17. 2.1 | |
| | | | |
| | | 10.1 Policy and Governance | |
| | | | |
| | | 10.2 Technical standards | |
| | | | |
| | | 10.3 Information systems | |
| | | | |
| | 10.4 Geographic content | | |
| | | | |
| | | | |
| 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

| Theme | Time | Subject | Responsible |
|-------|-------------|---|-------------|
| | 0830 | Welcome and summing up from day one | Chair |
| | 0830 - 0900 | 11 General presentation of Tasks not covered by action items Status, challenges way ahead on activities and actions | 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 | |
| | | 11.1.4 Task E - Innovation – Future perspectives (2021 - 2023) | |
| | | 11.1.5 Task F - Training and education | |

| | | | |
|---|--------------------|---|---|
| | | 11.2 Technical standards | |
| | | 11.2.1 Task D - Standards (OGC and HSSC) | |
| | | 11.3 Information systems | |
| | | 11.3.1 Task B Operational - Data sharing and management | |
| | | 11.4 Geographic content | |
| 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 <i>Docs:</i> | USA, Denmark, Germany, Portugal, OceanWise |
| Task H Conduct annual meetings of MSDIWG, MSDI Open Forum, OGC Marine DWG | 1130 - 1200 | 13.1 General presentation of Task H Status, challenges way ahead on activities and actions | Chair |
| | | H.1 Conduct 2019 -21 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) |
| 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 | 1400 - 1430 | 15. Updating the MSDIWG work plan 2017-2020 and action list <i>Docs:</i> . | |
| | | 16. Drafting the MSDIWG9 Report <i>Docs:</i> | |
| | | 17. Any other business | |
| | 1430 - 1500 | 18. Content of next MSDIWG11 meeting, MSDI Open Forum and OGC Marine DWG | |
| 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, depending on proposals MSDIWG12: January/February 2021, depending on proposals MSDIWG13: January/February 2022, depending on proposals | Chair |
| | | Evaluation of the three last days | |
| Closing | 1700 | Closing of the meeting | |

