

2021 NOWPAP MERRAC Expert Meeting

1. Background

MERRAC is responsible for regional co-operation in the field of marine pollution preparedness and response in the Northwest Pacific region and is supported by UNEP and IMO. The objective of MERRAC is to coordinate various regional activities relevant to NOWPAP/4: Development of Effective Measures for Regional Cooperation in Marine Pollution Preparedness and Response, among five areas of priority for the implementation of the Action Plan.

In accordance with the relevant regulations at the MoU among UNEP, IMO and MOERI/KORDI concerning the establishment and operation of the NOWPAP MERRAC, and Terms of Reference (ToR) for NOWPAP MERRAC Focal Points Meeting, MERRAC has been designated to carry out various activities. In particular, MERRAC is functioning as secretariat for the NOWPAP MERRAC Focal Points Meetings, Competent National Authorities Meeting, Expert Meetings, and the NOWPAP Regional Oil Spill Contingency Plan.

MERRAC has organized a series of Expert Meetings in order to undertake specific advisory functions relating to scientific and technical issues of the tasks with assistance from NOWPAP RCU, UNEP and IMO, according to the Terms of Reference (ToR) of MERRAC Focal Points Meeting.

As agreed by the 23rd MERRAC FPM and 15th CNA Meeting and according to the workplan of the 2020-2021 biennium, the 2021 MERRAC Expert Meeting has been planned to be remotely held on 10-11 November 2021 under the leading of China.

2. Organizational plan

The 2021 NOWPAP MERRAC Expert Meeting is planned to be remotely held in 2 days, 14:00 - 17:00 Beijing time 10-11 November 2021. The video conferencing platform for this remote meeting will be the Webex. The link for participating in the meeting will be previously provided.

Each Member will be invited to deliver 2 presentations for 25 minutes each. Presentations from other participating organizations are also welcomed. The consultancy fee will be paid by the MERRAC secretariat to presenters according to the budget rules and procedures of MERRAC.

3. Theme

The theme of the 2021 NOWPAP MERRAC Expert Meeting is “**New Technologies in Oil and HNS response**”. Participants are invited to introduce the new or emerging technologies and strategies in oil and chemical incident response, or case studies.

4. Timetable

Date	Time (Beijing time)	Presentation	Presenter
9th Nov.	14:00-15:00	Communication test	
10th Nov.	13:30-14:00	Communication test/Registration	
	14:00-15:00	Opening of the meeting	
	14:30-14:55	Recent Development of China in the Marine Oil and HNS Spill Response Technology	Mr. Bai Yuming
	14:55-15:20	Behavioral of Flammable Gas Generated from Crude Oil	Dr. Hamada Seiichi
	15:20-15:35	Break	
	15:35-16:00	A Study on the Improvement of HNS Response Regime by Future Expectation of Changing Maritime Environment	Ms. Young-Hwa Yeo
	16:00-16:25	Lessons Learned from Oil and HNS Accident Response of the Marine Rescue Service in 2019-2021	Mr. Grdich Ante
	16:25-16:50	Weathering Behaviour and Oil Spill Response Options for "New Generation" of Low Sulphur Marine Fuel Oils (LSFO) and Waxy Crude Oil	Mr. Per Daling
	16:50-17:00	End of day 1.	
11th Nov.	13:30-14:00	Communication test	
	14:00-14:25	Key Technology and Equipment Research and Development for HNS Spill Response at Sea	Mr. Chen Xuan
	14:25-14:50	Japan's Initiatives for Carbon Neutral in Maritime Sector	Mr. Kamiyama Komei
	14:50-15:15	Research and Development for New Technologies in Oil & HNS response	Mr. Seok-Jin Kim
	15:15-15:30	Break	
	15:30-15:55	Implementation of Innovative Technologies during Accidents Including Pollution as well as Other Urgent Operations at the Marine Basin of the Russian Federation	Mr. Naumenko Aleksandr
	15:55-16:20	Digitization of Oil Spill Response Using Geospatial Apps	Mr. Liam Harrington-Missin
	16:20-16:45	A Case Study on the Response to Gasoline Spill in the Pump-room of Oil Tanker	Ms. Wang Le
	16:45-17:00	Closure of the meeting	

Please refer to the annotated provisional agenda of the meeting in Annex 1.

5. Participants

Representatives from MERRAC Focal Points, secretariat and RCU, experts from NOWPAP Member states, and observers will be invited. (Annex 2)

Annex 1. Annotated Provisional Agenda for the 2021 NOWPAP MERRAC Expert Meeting

1. Nov. 9th

UTC 0600-0700: Communication test

Participants are invited to take part in the communication test utilizing the Webex linkage provided by MERRAC secretariat, to familiarize with the function of the meeting platform. In particular, the presenters are suggested to test the display of their presentations.

2. Nov. 10th

1) UTC 0530-0600: Communication test and meeting registration

2) UTC 0600-0630: Opening of the meeting

The meeting will be coordinated by China Maritime Safety Administration, as facilitated by MERRAC secretariat. Participants will be invited to deliver an opening statement (by head of delegation/organization) and a short self-introduction (by other participants).

The coordinator will also introduce the agenda of the meeting, subject to the review and adoption by the meeting.

3) UTC 0630-0655: Recent Development of China in the Marine Oil and HNS Spill Response Technology

To be presented by Mr. Bai Yuming, China.

4) UTC 0655-0720: Behavioral of Flammable Gas Generated from Crude Oil

To be presented by Dr. Hamada Seiichi, Japan

5) UTC 0720-0735: Break

6) UTC 0735-0800: A Study on the Improvement of HNS Response Regime by Future Expectation of Changing Maritime Environment

To be presented by Ms. Young-Hwa Yeo, Korea

7) UTC 0800-0825: Lessons Learned from Oil and HNS Accident Response of the Marine Rescue Service in 2019-2021

To be presented by Mr. Grdich Ante, Russia

8) UTC 0825-0850: Weathering Behaviour and Oil Spill Response Options for "New Generation" of Low Sulphur Marine Fuel Oils (LSFO) and Waxy Crude Oil

To be presented by Mr. Per Daling, SINTEF

9) UTC 0900: End of day 1.

3. Nov. 11th

1) UTC 0530-0600: Communication test

2) UTC 0600-0625: Key Technology and Equipment Research and Development for HNS Spill Response at Sea

To be presented by Mr. Chen Xuan, China

3) UTC 0625-0650: Japan's Initiatives for Carbon Neutral in Maritime Sector

To be presented by Mr. Kamiyama Komei, Japan

4) UTC 0650-0715: Research and Development for New Technologies in Oil & HNS response

To be presented by Mr. Seok-Jin Kim, Korea

5) UTC: 0715-0730: Break

6) UTC 0730-0755: Implementation of Innovative Technologies during Accidents Including Pollution as well as Other Urgent Operations at the Marine Basin of the Russian Federation

To be presented by Mr. Naumenko Aleksandr, Russia

7) UTC 0755-0820: Digitization of Oil Spill Response Using Geospatial Apps

To be presented by OSRL (*to be decided*)

8) UTC 0820-0845: A Case Study on the Response to Gasoline Spill in the Pump-room of Oil Tanker

To be presented by Ms. Wang Le, China

9) UTC 0845-0900: Closure of the meeting

10) UTC 0900: End of the Meeting

Annex 2. List of Participants to the 2021 NOWPAP MERRAC Expert Meeting

People's Republic of China

Mr. Bai Yuming

Deputy Director

Department of Dangerous Cargo Control and Pollution Prevention

Maritime Safety Administration, People's Republic of China

No.11 Jianguomen Nei Avenue, Beijing, People's Republic of China

Tel: +86-10-65292873

Fax: +86-10-65293424

E-mail: baiyuming@msa.gov.cn

Prof. Chen Xuan

Chief Engineer

Transportation Safety Research Center

China Academy of Transportation Science, People's Republic of China

240 Huixinli Chaoyang District, Beijing, People's Republic of China

Tel: +86-10-58314532

Fax: +86-10-58314501

E-mail: 24949808@qq.com

Ms. Wang Le

Staff member

Yantai Oil Spill Response Technical Center

Shandong Maritime Safety Administration, People's Republic of China

No.8 Huanhai Road, Yantai, Shandong Province, People's Republic of China

Tel: +86-535-5136122

Fax: +86-535-6256205

E-mail: 254522965@qq.com

Mr. Chen Pei

Director

Dongjiakou Maritime Safety Administration

Shandong Maritime Safety Administration, People's Republic of China

No.21 Wuxia Road, Qingdao, Shandong Province, People's Republic of China

Tel: +86-532-82989271

Fax: +86-532-82989265

E-mail: chenpei@sd.msa.gov.cn

Mr. Hao Zhichao

Section chief

Rizhao Maritime Safety Administration

Shandong Maritime Safety Administration, People's Republic of China

No.101 Tianjin Road, Rizhao, Shandong Province, People's Republic of China

Tel: +86-633-7989359

Fax: +86-633-7989793

E-mail: rzmsahzc@163.com

Mr. Guo Peng

Staff Member

Department of Dangerous Cargo Management and Pollution Prevention,

Shandong Maritime Safety Administration, People's Republic of China

No. 21 Wuxia Road, Qingdao, Shandong Province, People's Republic of China

Tel: +86-532-58761570

Fax: +86-532-58761500

Email: guopeng@sdmsa.gov.cn

Japan

Mr. YOSHIDA Shigeru

Director for International Marine Pollution Prevention

Marine Environment Protection and Disaster Prevention Division,

Guard and Rescue Department

Japan Coast Guard (JCG), Japan

2-1-3, Kasumigaseki, Chiyoda-ku, Tokyo, Japan

Tel: +81-3-3591-9819

E-mail: jcghbosai4-4i4i@mlit.go.jp

Mr. KAMIYAMA Komei

Special Assistant to the Director

Marine Environment Protection and Disaster Prevention Division,

Guard and Rescue Department

Japan Coast Guard (JCG), Japan

2-1-3, Kasumigaseki, Chiyoda-ku, Tokyo, Japan

+81-3-3591-9819

E-mail: jcghbosai4-4i4i@mlit.go.jp

Dr. HAMADA Seiichi

Director

Research & Study Office

Marine Disaster Prevention Center, Japan

4-4-5 i-Mark Place, Minatomirai, Nishi-ku, Yokohama City, Kanagawa Pref, Japan

Tel: +81-45-224-4322

E-mail: s-hamada@mdpc.or.jp

Republic of Korea

Mr. Jong-Nam LEE

Grade-5 Official / Deputy Director

Marine Pollution Response Planning Division

Korea Coast Guard, Korea

130, Haedoji-ro, Yeonsu-gu, Incheon, 21995, Rep. of KOREA

Tel: +82-10-4592-3968

Email: bruceleejn@korea.kr

Ms. Young Hwa YEO

Grade-6 Official / Assistant Director

Marine Pollution Response Planning Division

Korea Coast Guard, Korea

130, Haedoji-ro, Yeonsu-gu, Incheon, 21995, Rep. of KOREA

Tel: +82-10-7711-3598

Fax: +82-32-835-2391

E-mail: axestone@korea.kr

Mr. Seok-Jin Kim

Status Officer

Marine Pollution Response Planning Division

Korea Coast Guard, Korea

130, Haedoji-ro, Yeonsu-gu, Incheon, 21995, Rep. of KOREA

Tel: +82-10-8904-6456

Fax: +82-33-741-2397

Email: ksj8904@korea.kr

Russian Federation

Dr. Natalia KUTAEVA

The Counsellor to the Director

Federal State Budgetary Institution "Marine Rescue Service (MRS)", Russian Federation

3/6, Ul. Petrovka, Moscow, 125993, Russian Federation

Tel: +7-495-626-18-06

Email: kutaevang@morspas.com

Mr. Grdich Ante

Chief Specialist

Emergency rescue operations and oil spill response

Federal State Budgetary Institution "Marine Rescue Service (MRS)", Russian Federation

3/6, Ul. Petrovka, Moscow, 125993, Russian Federation

Tel: +7 (495) 626-18-08 (ext. 4291), +7 (916) 071-31-40

Email: grdicham@morspas.com

Mr. Naumenko Aleksandr

Deputy Director

Federal State Budgetary Institution "Marine Rescue Service (MRS)", Russian Federation

3/6, Ul. Petrovka, Moscow, 125993, Russian Federation

Tel: +7 (495) 626-18-08 (ext. 4050), +7 (915) 137-54-22 cell phone

Email: naumenkooa@morspas.com

MERRAC

Dr. Seong-Gil KANG

Director

Marine Environmental Emergency Preparedness and Response

Regional Activity Centre (MERRAC)

1312-32, Yuseong-daero, Yuseong-gu, Daejeon 34103, Republic of Korea

Tel: +82-42-866-3620

Fax: +82-42-866-3630

E-mail: kangsg@kriso.re.kr

Dr. TaeHwan Joung

Principal Researcher, International Cooperation Center, KRISO

Marine Environmental Emergency Preparedness and Response

Regional Activity Centre (MERRAC)

1312-32, Yuseong-daero, Yuseong-gu, Daejeon 34103, Republic of Korea

Tel: +82-42-866-3964

Fax: +82-42-866-3630

E-mail: thjoung@kriso.re.kr

Ms. Haemin WON

Consultant

Marine Environmental Emergency Preparedness and Response

Regional Activity Centre (MERRAC)

1312-32, Yuseong-daero, Yuseong-gu, Daejeon 34103, Republic of Korea

Tel: +82-42-866-3690

Fax: +82-42-866-3630

E-mail: wonhm@kriso.re.kr

NOWPAP Regional Coordinating Unit (RCU)

Dr. Yegor Volovik

Coordinator

Northwest Pacific Action Plan (NOWPAP)

Regional Coordinating Unit, Toyama

Ecosystems Integration Branch

Ecosystems Division

United Nations Environment Programme

Dr. Ning LIU

Programme Officer

Northwest Pacific Action Plan (NOWPAP)

Regional Coordinating Unit, Busan

216 Gijanghaean-ro, Gijang-eup, Gijang-gun, Busan 40683, Republic of Korea

Tel: +82-51-720-3001

Fax: +82-51-720-3009

E-mail: ning.liu@unep.org

SINTEF OCEAN

Mr. Per Snorre Daling

Senior Research Scientist

SINTEF Ocean

Brattørkaia 17c, 4th, 7010 Trondheim, Norway

Tel: +47-98-24-34-48

E-mail: per.s.daling@sintef.no

OSRL

Mr. Liam Harrington-Missin

Development and Assurance Lead for Technical Innovation

Oil Spill Response Limited

Lower William St, Southampton SO14 5QE United Kingdom

Tel:+44-23-8033-1551

E-mail: liamharrington-missin@oilspillresponse.com

Mr. James Tan Zhi Hao

Spill Response Specialist

Industry Engagement - APAC

Oil Spill Response Limited (OSRL)

Loyang Offshore Supply Base, 25C Loyang Crescent, (Block 503 TOPS Avenue 3) Singapore
506818

Tel: +65-62661566

E-mail: JamesTan@oilspillresponse.com