

# ARCTIC OIL RECOVERY EXERCISE 2015

## “KEMI ARCTIC 2015”

### in Finland March 24-26 2015

## Final Draft Programme

### 23<sup>th</sup> March 2015

19:00 – 20:30 Informal “Get-together” drinks for Conference Delegates – Hotel Cumulus

### 24<sup>th</sup> March 2015

Venue of the event: Kemi Cultural Centre,;Adresse: Marina Takalon katu 3.

Please check the official www page of the City of Kemi: <http://www.kemi.fi/english/>

Official Information site of the Exercise: [www.environment.fi/oil/exercise](http://www.environment.fi/oil/exercise)

### Sessions I, II and III

<i>Time</i>	<i>Topic</i>	<i>Speaker</i>
9.00 -	Session I with the Key Note Speakers “Arctic Environment” Chair: Arctic Councillor Rene Söderman, Ministry of the Foreign Affairs, FIN	Cultural Centre – Main Auditorium
9:00 – 9:10	Welcoming address by the City Of Kemi	Representative of the City of Kemi, FIN
9:10 – 9:20	Welcoming address by the Finland	Anna Maija Pajukallio /Ministry of the Environment, FIN
9:20 – 9:30	Welcoming address by SYKE	Lea Kauppi, SYKE, FIN
9:30 – 9:50	Key Note I: Highlighting the Finnish Arctic Agenda	Rene Söderman, Ministry of the Foreign Affairs, FIN
9:50 – 10.15	Canada’s Arctic Council’s Chairmanship achievements and some foresight on collaboration	Andree Coolican, Canadian Embassy for Finland, CA
10.15 – 10.40	Key Note: Oil Pollution Prevention, Preparedness and Response in the Arctic.	Ole K. Bjerkemo, Norwegian Coastal Administration, NO

10:40 - 11:00	Coffee break	Exhibition area
11:00 – 11:20	Key Note: Logistics and transport challenges in the Arctic	Tero Vauraste, Arctia Shipping Ltd, FIN
11:20 – 11:40	Key Note: Northern Dimension Environmental partners – Arctic activities in focus	Jaakko Henttonen, NDEP Manager, European Bank for Reconstruction and Development. RU
11:40 – 12:00	Key Note: Future Challenges in oil and gaz exploration in Russian Arctic	Gennadii Liubin, Gazprom Neft Shelf, RU
12:00 – 12:20	Key Note: Arctic challenges and the sensitive environment	Tim Lunel, ITOPF, UK
12:20 – 12:50	Press Event - VIP's and media representatives	Small Auditorium
12:20 - 13:15	Lunch break	Theater Restaurant / Cultural Centre
13:15 -	Session 2: Ice and weather services in the Arctic Chair: Jari Haapala, Finnish Meteorological Institute	Cultural Centre/Main Auditorium
13:15 – 13:40	Ice and Metocean services	Patrick Eriksson, Finnish Meteorological Institute, FIN
13:40 – 14:10	Short and Long Range Monitoring and Surveillance	Robin Berglund, Technical Research Centre of Finland, FIN
14:10 – 14:40	US Arctic agenda for surveillance and maritime activities	Gary Rasicot, Arctic Representative/US Coast Guard, USA
14:40 – 15:00	Coffee break	Exhibition area
15:00 – 15:30	Satellite images for industrial utilization	Esa Ritari; Aker Arctic Ltd. FIN
15:30 – 16:00	Arctic seas, now and in the future	Jari Haapala, Finnish Meteorological Institute, FIN
16:00 – 16:30	Oil and ice	Mikko Lensu, Finnish Meteorological Institute, FIN
16:30 – 17:00	Panel discussion, "How to tackle arctic challenges in Ice and Metocean services – preparedness and ability"?	Chaired by Jari Haapala, FMI, FIN
13:15 -	Session 3 (parallel): Short and Long Range Monitoring and Surveillance Chair: to be nominated	Cultural Centre / Small Auditorium
13:15 – 13:40	Oil Detection among ice and snow – lessons	Jukka Sassi, VTT and

	learned	Jorma Rytönen, SYKE, FIN
13:40 – 14:00	Oil spill early warning systems in aquatic environment	Stephane Taurian, LDI Ltd, EE
14:00 – 14:20	EHP-OIL: online oil monitoring and early warning system saves the Arctic	Lasse Kaiponen, EHP Tekniikka Ltd, FIN
14:20 – 14:40	Ship-borne sensor systems for oil detection	Aptomare Ltd, NO
14:40 -15:00	Coffee break	Exhibition area
15:00 – 15:20	UAVs for Environmental Monitoring	Santeri Ehnqvist, Air Intelligence Finland Ltd, FIN
15:20 – 15:40	Development of radar for oil detection – experiences and challenges	Tero Airissalo, Furuno Finland, FIN
15:40 – 16:00	Lidar-as a tool for aerial and ship-borne oil detection system	Sergey Babichenko, LDI-Innovation Ltd, EE/
16:00 – 16:20	SCAT tools for reporting oil spill situations and planning of oil spill response	Mikko Kerttula, Scatman Ltd, FIN
16:20 -16:40	Hyperspectral cameras and miniatyre spectral measurement tools	Jussi Soukkamäki, Rikola Ltd, FIN
16:40 – 17:00	Closing words of the Session	Chair
19:00 – 21:00	Official Arctic Dinner hosted by the City of Kemi and the Port of Kemi	Hotel Merihovi
21:00-	Entertainment and life music in night bars of the Conference hotels. Karaoke	

## 25<sup>th</sup> March, Full-Scale Exercise

<i>Time</i>	<i>Event</i>	<i>Location</i>
8:15->	Transportations from the hotels to the port of Kemi. Observers onboard Icebreaker Sampo	Official Conference hotels
9:00	Take off to the Exercise area – 4-8nm offshore	Port of Kemi
9:10 – 10:00	Programme onboard the IB Sampo – Exercise briefing with snacks and coffee	Icebreaker Sampo
10:00 -12:00	Following the Exercise. <ul style="list-style-type: none"> <li>- aerial surveillance</li> <li>- mechanical recovery devices</li> <li>- operational procedures in ice</li> <li>- <u>ice going ships</u>:</li> <li>- ORV Louhi</li> <li>- Coast Guard's Turva</li> <li>- ORV Letto</li> </ul>	Exercise area – a separate Programme will be attached later.

	<ul style="list-style-type: none"> <li>- IB Kontio</li> <li>- IB Ahto</li> <li>- IB Sampo</li> </ul>	
11:30 -12:15	lunch onboard IB Sampo- first catering -	IB Sampo
12:30 -13:15	lunch onboard IB Sampo – second catering	IB Sampo
13:00-14:30	Special Programme onboard IB Sampo	IB Sampo
15:15	Arrival to the Port – Group photo	Port of Kemi
	Transport to the Snow Castle of Kemi	busses
16:15 -17:30	Introduction to the Snow Castle - transportations to the Conference Hotels	Snow Castle
19:00 –21:00	Exhibitor’s Buffet at the Cultural Centre	Exhibition area
21:00 –21:45	Reception hosted by the Embassy of Canada	hotel Cumulus
21:45.->	Party time with own expenses	hotel Cumulus & hotel Merihovi

26 March 2015

## Sessions: Exercise Debriefing, IV and V

<i>Time</i>	<i>Topic</i>	<i>Speaker</i>
9.00 – 10:30	Session: Exercise Debriefing” Chair: Kalervo Jolma, SYKE, FIN	Cultural Centre – Main Auditorium
9:00 – 9:10	Highlight of the Exercise – Main Phases	Marko Karppinen, SOSC of the Exercise
9:10 – 9:20	Evaluation of the alert procedures	Duty Officer of SYKE, FIN
9:20 – 9:50	Evaluation of the Exercise	Nominated Experts
9:50 – 10:15	Maritime situational awareness and joint rescue operations as applications of Inter-agency coordination and cooperation	Jukka Savolainen, , Finnish Coast Guard, FIN
10:15 – 10:30	Arctic Marine Testing, Training and Research Center (ArcMaTe)	Johanna Ikävalko, Ministry of Transport and Communications, FIN
10:30 - 10:50	Coffee break	Exhibition area
10:50 -	Session IV: Mechanical Oil Recovery Chair: Kari Lampela, FIN	Cultural Centre/Main Auditorium
10:50 – 11:10	Mechanical Oil Recovery in Ice	Jorma Rytönen, Finnish

		Environment Institute, FIN
11:10 – 11:30	Oil recovery solutions for Arctic conditions	Rune Högström, LAMOR Ltd, FIN
11:30 – 11:50	Greenland OSR strategy	Lonnie Wilms, Greenland Oil Spill Response A/S
11:50 – 12:15	Sensitivity analyses for shore line oil contingency planning in the Arctic – Finnish experiences	Essi Keskinen, Metsähallitus/Natural Heritage Service, FIN
12:15 – 13:15	Lunch break	Theater Restaurant
13:15 – 13:35	Arctic challenges in oil combating	Alexey Ivanchin CNIIMF, RU
13:35 – 13:55	Oil response work of WWF and role in the Arctic	Sanna Kuningas, WWF-Finland, FIN
13:55 – 14:15	Tiered Preparedness and Response – New Developments in Good Practice and Application to Colder Regions’	Alex Leonard, Senior Spill Response Specialist, OSR Ltd, UK
14:15 – 14:35	Save the Arctic: the Greenpeace approach to pollution prevention	Laura Meller, Arctic Campaigner, Greenpeace Nordic
14:35 – 14:55	Development of regional co-operation for oil combating in the Bay of Bothnian area	Timo Yrjänä, Centre for Economic Development, Transport and the Environment for North Ostrobothnia. FIN
14:55 – 15:20	Unconventional Responding Strategy and Technique for Spills in Bohai Bay’s Iced Water	James Zhang, CNOOC, PRC (China)
15:20 – 16:00	Panel	Chair and Speakers
16:00	Closing of the Conference	
10:50 -	Session V (parallel): Ice Performance Requirements for Ships Chair: Pentti Kujala, Aalto University, FIN	Cultural Centre / Small Auditorium
10:50 – 11:10	Icebreaker development for the Baltic Sea and Arctic areas	Jarkko Toivola, Finnish Transport Agency, FIN
11:10 – 11:30	Icebreaking Technology and Ice Resistance	Esa Ritari, Aker Arctic, Ltd. FIN
11:30 – 11:50	Role of classification society in Arctic shipping.	Seppo Liukkonen, DNVGL Station Helsinki, FIN
11:50 – 12:15	Interaction of ships while opposing navigation among small ice floes	Vadim Goncharov, St Petersburg State Marine Technical University, RU
12:15 – 13:15	Lunch break	Theater Restaurant
13:15 – 13:40	Development of a multipurpose Offshore Patrol Vessel (OPV) for demanding Baltic year-round conditions	Gunnar Holm

13:40 – 14:05	Risks related to winter navigation	Jakub Montewka
14:05 – 14:30	Feasibility study of a semi-empirical simulation model for ship performance in level ice	Floris Goerlandt
14:30 – 14:55	Modelling and managing the risk of winter navigation operations – WINOIL results	Osiris Alejandro Valdez Banda
14:55 – 15:45	Panel	Chair and Speakers
16:00	Closing of the Conference	

Transportations will be available both to Kemi and Oulu airports. In the case significant amount of delegates will leave Kemi next day, i.e. Friday 27<sup>th</sup> March, additional transportations will be arranged to the airports.

Friday, 27<sup>th</sup> March 2015 Post Conference programme based on individual wishes. Please contact KEMI Tourist Office for further info: <http://www.visitkemi.fi/en/>