

Oil Spills in Arctic Areas Conference & EKOMON Seminar Programme

7-8 March 2018 in Oulu, Finland

TUESDAY 6 March 2018

SCANDIC OULU, SPUTNIK & PYKMESTARI CABINET

ICE BREAKING PARTY 18:00-20:00

- Hosted by exhibitor's

WEDNESDAY 7 March 2018

SCANDIC OULU, SPUTNIK

EXHIBITION

Opening times:

Tuesday 6 March 18:00-20:00

Wednesday 7 March 09:00-17:00

Thursday 8 March 09:00-17:00

Registration open 8:00-

PLAZA 2 09:00-12:30

KEY NOTE SESSION

VULNERABLE ARCTIC ENVIRONMENT

Chair: René Söderman, Ministry for Foreign Affairs of Finland, FIN

09:00-09:15	Open words by the Ministry of the Environment Hannele Pokka Permanent Secretary Ministry of the Environment, FIN
09:15-09:30	Welcoming address by the City of Oulu Kyösti Oikarinen Chair of Oulu Executive Board and member of the city council City of Oulu, FIN
09:30-09:45	Arctic Research and Pollution Prevention Activities of SYKE Lea Kauppi Director General Finnish Environment Institute, FIN
09:45-10:00	Finland's Chairmanship in the Arctic Council René Söderman Senior Arctic Official Ministry for Foreign Affairs of Finland, FIN
10:00-10:15	EPPR-the role of international cooperation and the MOSPA-agreement Jens Peter Holst-Andersen Chair, Emergency Prevention, Preparedness and Response Working Group, Arctic Council Danish Ministry of Defence, DK
10:15-10:45	Coffee Break, RESTAURANT TORILLA



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PLAZA 2 Key Note Session to be continued		VAUNUMAAKARI 1-2 10:45-12:50 EKOMON SEMINAR Chair: Stephane Le Floch, Cedre FRA	
10:45-11:00	Cooperation in Bothnian Arc area between Finland and Sweden Heikki Aalto CEO Bothnian Arc, FIN	10:45-11:05	EKOMON guidelines for the post-spill monitoring of the accidental chemical spills Jani Häkkinen Researcher Finnish Environment Institute, FIN
11:00-11:15	Socio-environmental consequences of oil drilling in Russia (Is there life after oil?) Ivan Ivanov Deputy Chairperson Save Pechora Committee, RUS	11:05-11:25	levoli Sun wreckage and impact assessment on marine organism Stephane Le Floch Research Department Manager Cedre, FRA
11:15-11:30	Potential for closer international cooperation in icebreaking, oil spill response and other maritime services in the Arctic Tero Vauraste President & CEO Arctia Ltd, FIN	11:25-11:55	Monitoring oil spills: timing and toxicity Ketil Hylland Professor University of Oslo, NO
11:30-11:45	EMSA's Marine Pollution Response Services for oil and chemical spills Markku Mylly Executive Director European Maritime Safety Agency EMSA	11:55-12:15	Chemical spills at sea-regulations, response system and experiences from Russian Alexei Bambulyak Manager Russia and Eastern Europe Akvaplan-niva AS, NO
11:45-12:00	The importance of international cooperation in the challenging environment of the Arctic Mari Kvaal Senior Adviser Norwegian Ministry of Transport and Communications, NO	12:15-12:30	Biomarkers in monitoring and environmental risk assessment in the Baltic Sea Kari Lehtonen Head of Unit Finnish Environment Institute, FIN
12:00-12:30	Ice management & Oil Recovery-opening joint industry project IMOR Hanna Suutarla, Development Manager Arctia Ltd, FIN Rune Högström, COO Lamor Corporation, FIN	12:30-12:50	Tool to predict the fate of HNS depending of the environmental conditions Stephane Le Floch Research Department Manager Cedre, FRA
12:30-13:45	Lunch Break, RESTAURANT TORILLA		
PLAZA 5 13:15-17:15		VAUNUMAAKARI 1-2 13:45-17:25	
SESSION I: SEARCH AND RESCUE IN THE ARCTIC AREAS Chair: Rebecca Pincus, U.S. Coast Guard Academy, USA		SESSION II: ECOLOGICAL CONSEQUENCES OF OIL SPILLS IN THE ARCTIC Chair: Susse Wegeberg, Aarhus University, DK	
13:15-14:45	Theme I: Cooperation in Joint Exercises in the Arctic		
13:15-13:25	Arctic Coast Guard Forum & Arctic Guardian 2017 Video presentation	13:45-14:00	Effect of temperature and quality of water in the arctic region on the destabilization of oils Bhairavi Doshi Junior Researcher Lappeenranta University of Technology, FIN
13:25-13:45	Preparedness and Capabilities for Major Accidents in Arctic Region: Capacity building for evacuations in major accidents in cold conditions Ilona Hatakka Disaster Preparedness Adviser Finnish Red Cross, FIN	14:00-14:20	The fate and transport of oil-related contaminants in ice-covered Arctic waters- a photochemical study Kedong Zhang M.Eng. University of Manitoba, CAN



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13:45-14:10	Evaluating the implementation of the joint SAR simulator exercise-First Impressions Dr. Päivi Mattila Senior Research Manager Laurea University of Applied Science, FIN	14:20-14:40	Oil Spills Response in the Arctic offshore: Problems and Solutions Vladimir Chuprov Energy Unit Head Greenpeace Russia, RUS
14:10-14:35	Real-time cloud-sharing in SAR simulator exercise-Lessons Identified Capt. Henrik Ramm-Schmidt CEO & Founder of Fleetrange Ltd Fleetrange Ltd, FIN	14:40-14:50	Finnish Institute of Occupational Health: Well-being for the Arctic work Sirikka Rissanen Specialist Research Scientist, PhD Finnish Institute of Occupational Health, FIN
14:35-14:45	Discussions	14:50-15:10	Seabirds and oil:Creating an oil vulnerability index for Northern Europe and the Arctic Nina O'Hanlon Seabird Ecologist ERI University of the Highlands and Islands, UK
14:45-15:40	Coffee Break, RESTAURANT TORILLA		
15:15-17:15	Theme II: Developing Arctic Maritime Safety	15:40-16:00	Towards quantitative oil risk assessment in the Arctic marine areas Maisa Nevalainen Researcher University of Helsinki, FIN
15:15-15:40	Maritime emergency response in the High North-compering institutions and operational management patterns Emmi Ikonen Researcher Nord University, NO	16:00-16:15	Review of fate and behavior of Heavy Fuel Oil (HFO) in a Arctic Environment Janne Fritt-Rasmussen PhD Environmental Engineer Aarhus University, DK
15:40-16:05	Expedition cruise industry Search and Rescue efforts Ilja Leo Lang Deputy Director Association of Arctic Expedition Cruise Operators AECO, NO	16:15-16:35	Risks and challenges of HFO spills in the Arctic Eelco Leemans Advisor Clean Arctic Alliance, NL
16:05-16:30	SAR collaboration in the Russian Arctic Svetlana Kuznetcova Researcher Northern Arctic Federal University, RUS	16:35-16:45	Case Bird Cleaning Unit Kari Kajula Sales Manager CONLOG Oy, FIN
16:30-16:55	ChemSAR Project creates uniform operational plans and standard operational procedures to save human lives in maritime HNS incident Teemu Niemelä Lieutenant Senior Grade Finnish Border Guard, FIN	16:45-17:05	Post-spill monitoring an international perspective and specific Arctic Challenges Franck Laruelle Technical Team Manager ITOPF, UK
16:55-17:15	Closing remarks	17:05-17:25	Laboratory Characterization of the Weathering Properties and Toxicity of Marine Diesel Oils and "New Generation" of marine Fuel Oils Per S. Daling Senior Research Scientist SINTEF Ocean, NO

CITY HALL OF OULU, Kirkkokatu 2 a

CITY OF OULU RECEPTION 19:00-21:00

- Hosted by City of Oulu



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THURSDAY 8 March 2018

PLAZA 5 09:00-17:00		VAUNUMAAKARI 1-2 09:00-11:45	
SESSION III: TECHNOLOGY FOR OIL IN ICE RESPONSE Chair: Jorma Rytkönen, Finnish Environment Institute, FIN		SESSION IV: ICE MANAGEMENT AND WEATHER SERVICES Chair: David (Duke) Snider, Martech Polar Consulting, CAN	
09:00-09:40	MOSPA exercise debriefing session	09:00-09:15	Arctic connectivity trial on Hebridean Sky Henrik Ramm-Schmidt CEO Fleetrange Ltd, FIN
		09:15-09:45	Ice Defence Oil-Spill Net, an effective tool for better oil spill response in sea areas where ice is present Thor Egil Mortensen Egersund Trål AS, NO
09:40-10:00	MOSPA exercise discussion forum	09:45-09:55	Ways to avoid surprises in navigation planning Jaakko Ristaniemi Senior Consultant Navidium, FIN
		09:55-10:15	Short-range sea ice forecasting in the Kara Sea for Maritime Operations Andrea M.U.Gierisch, Researcher Finnish Meteorological Institute, FIN
10:00-10:45	Coffee Break, RESTAURANT TORILLA		
PLAZA 5 SESSION III to be continued		VAUNUMAAKARI 1-2 SESSION IV to be continued	
10:30-11:00	Circumpolar Response Viability Analysis Hans Peter Dahlslett Senior Principal Consultant DNV GL, NO	10:45-11:05	Iceberg detection by C-band SAR imagery Alexandru Gegiuc Researcher Finnish Meteorological Institute, FIN
11:00-11:30	Environmentally sustainable oil spill response measures in the Baltic Sea Minna Vikman Senior Scientist, Project Manager VTT Technical Research Centre of Finland, FIN	11:05-11:25	Automated retrieval of Baltic Sea ice parameters based on EO data Juha Karvonen Senior Scientist Finnish Meteorological Institute, FIN
11:30-11:50	SmartResponse Web: enabling Common Situation Awareness for oil spills in ice conditions Dr. Robert Aps Head of Marine Systems Department University of Tartu, EST	11:25-11:45	An open source oil drift model with Arctic applications Knut-Frode Dagestad Researcher Norwegian Meteorological Institute, NO
11:50-13:00	Lunch Break, RESTAURANT TORILLA		



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PLAZA 5 SESSION III to be continued

VAUNUMAAKARI 1-2 13:00-17:00

SESSION V

LATEST RESEARCH RELATED TO OIL SPILL IN COLD CLIMATE

Chair: Kirsten Jørgensen, Finnish Environment Institute, FIN

13:00-13:30	Advances in Arctic Oil Spill Response Research: The Arctic Response Technology JIP Peter Taylor IPIECA Consultant International Association of Oil and Gas producers (IOGP) & their Arctic Response Technology JIP, UK	13:00-13:30	Integrated oil spill response actions and environmental effects (GRACE) Kirsten Jørgensen Leading Research Scientist Finnish Environment Institute, FIN
13:30-13:45	EHP-OIL online oil-in-water monitoring solution Pasi Uusitalo Sales Manager EHP Environment Ltd., FIN	13:30-14:00	Combat of oil spill in coastal arctic waters-effectiveness and environmental effect-field experiment 2017 Kim Gustavson Senior Scientist Aarhus University, DK
13:45-14:05	Improvements of oil-ice interaction in Seatrack Web Anders Höglund Dr. Swedish Meteorological and Hydrological Institute, SWE	14:00-14:30	Strategic Net Environmental Benefit Analysis (sNEBA) Susse Wegeberg Senior Advisor Aarhus University, DK
14:05-14:30	Maritime winter navigation system analysis through big data and ship trafficability estimation based on SAR images Mikko Lensu Finnish Meteorological Institute, FIN	14:30-14:45	An app for sea (APP4SEA)-yet another operational tool for oil spill response authorities? Victor Pavlov Project Researcher University of Oulu, FIN
14:30-15:15 Coffee Break, RESTAURANT TORILLA			
15:00-15:20	Cellulose based superabsorbents for oil spill response Ossi Laitinen Postdoctoral Research Fellow, D.Sc.(Tech.) University of Oulu, FIN	15:15-15:40	New Canadian Initiatives on Oil Spill Research in Ice-Covered Arctic Waters Feiyue Wang Professor University of Manitoba, CAN
15:20-15:40	Challenges for the RPAS systems for oil and chemical detection in the Arctic - Finnish experiences Jukka Sassi Senior Scientist VTT Technical Research Centre of Finland Ltd, FIN	15:40-16:05	Oil spill risk analysis and recovery effectiveness modeling in Northern Baltic Sea Floris Goerlandt D.Sc. (Tech.) Aalto University, FIN
15:40-16:00	Heavy Duty Mechanical Oil Recovery Solutions for Arctic Pollution Prevention Jorma Rytönen Head of the Unit Finnish Environment Institute, FIN	16:05-16:30	Introduction of "new generation" low Sulphur fuel oils – Challenges for the oil spill preparedness Silje Berger Senior Adviser Norwegian Coastal Administration, NO
16:00-16:30	Problems of the Oil Spill Combating in the Arctic Seas Vadim Goncharov Doctor of Eng. Professor Saint-Petersburg State Marine Technical University, RUS	16:30-16:55	Online platform for a rapid assessment of grounding damage of tankers Kristjan Tabri Senior Research Scientist University of Tallinn, EST
16:30-17:00	Closing the conference		

