

**WOC-MEOPAR Smart Ocean/Smart Industries Workshop
Montreal, QC, Canada, May 27-29, 2014
Le Westin Montréal, Fortifications Ballroom
AGENDA**

Smart Ocean/Smart Industries - Vision

Through the World Ocean Council (WOC) program on Smart Ocean/Smart Industries, leadership companies from a range of ocean sectors are collaborating with the scientific community in the systematic, regular, sustained and integrated collection and sharing of standardized ocean and atmospheric data. This data is integrated into operational and scientific programs that improve the safety and sustainability of commercial activities at sea and contribute to maintaining and improving ocean health.

Smart Ocean/Smart Industries - Goal

To facilitate and coordinate increased efforts by shipping and other ocean industries to collect and share ocean and atmospheric information.

Workshop Objectives

1. Develop a common understanding between and across business and the scientific community on the scope, scale and intent of existing voluntary observation programs, especially those in Canada.
2. Understand the key barriers to scaling up these programs, e.g. human capacity, resource needs, structure, legal issues, etc.
3. Develop the structure and process for advancing voluntary observations in Canada.
4. Develop a strategic plan for the processing and sharing of the data.
5. Develop the roadmap and work plan for a pilot project in the Canadian Atlantic.

TUESDAY, May 27	
Reporter Bar (3rd floor)	
17:00-19:00	WELCOME RECEPTION Refreshments and light snacks provided Cash bar available
WEDNESDAY, May 28	
Fortifications Ballroom (9th floor)	
8:00-9:00	Continental Breakfast & Networking Fortifications foyer
Introductory Plenary: Overview of Voluntary Observation Programs and Technology	
9:00-9:15	Introduction and welcoming remarks Neil Gall, MEOPAR (moderator)
9:15-9:30	Overview of Smart Ocean/Smart Industries concept and workshop objectives Paul Holthus, World Ocean Council
9:30-10:00	The scientific need for voluntary ocean and atmospheric observations, including results from key contributions of ships and platforms, gaps and future plans Dr. Doug Wallace, MEOPAR
10:00-10:30	JCOMM data collection programs and industry (DBCP, Argo, SOT) Kelly Stroker, DBCP Technical Coordinator, OceanSITES Project Office
10:30-10:50	Networking Break Fortifications foyer Refreshments and snacks provided
Voluntary Observation Programs: Status, Progress, and Lessons Learned for Scaling Up and Cross-Sectoral Applications	
10:50-11:10	Overview of ocean observation technology and sensors in Canada Jim Hanlon, Institute for Ocean Research Enterprise
11:10-11:30	Ferry vessels and operations – data collection with BC Ferries Dr. Maycira Costa, University of Victoria/Ocean Networks Canada
11:30-11:50	Remote sensing for Northern resource development Bill Jefferies, LOOKNorth
11:50-12:10	Case study – data collection in the St. Lawrence estuary Claude Tremblay, St. Lawrence Global Observatory
12:10-12:30	Discussion and questions
12:30-13:30	Lunch Fortifications foyer
Industry Experience and Interest in Voluntary Data Collection and Sharing: Status, Progress, Opportunities, Case Studies and Lessons Learned	
13:30-13:50	Case study: Wave Glider data collection Joanne Legault, Liquid Robotics
13:50-14:50	Fishing vessels and operations 13:50-14:10 – Yves Degres, nke INSTRUMENTATION 14:10-14:30 – Dr. Kes Morton, Ocean Tracking Network 14:30-14:50 – Dr. Bruce Hatcher, Cape Breton University
14:50-15:00	Discussion and questions

15:00-15:30	Networking Break Fortifications foyer Refreshments and snacks provided
15:30-15:50	Aquaculture facilities and operations – ARIES observation project Darrell Green, NL Aquaculture Industry Association (TBC)
15:50-16:10	Tourism vessels and operations – private sector applications of autonomous crowd-sourced bathymetry Mark Butkiewicz, SURVICE Engineering/Applied Technology Operation (ATO)
16:10-16:30	Discussion and questions
THURSDAY, May 29 Fortifications Ballroom (9th floor)	
8:00-9:00	Continental Breakfast & Networking Fortifications Foyer
Breakout Discussion: Parameters and Technologies for Multi-sectoral Voluntary Observations	
9:00-10:30	Group A (Palais Room – 8 th floor) Ocean observation parameters and technologies needs and opportunities for both vessels and platforms Group B (Beaver Hall – 8 th floor) Marine atmosphere/ocean surface observation parameters and technologies needs and opportunities for both vessels and platforms
10:30-11:00	Networking Break Fortifications foyer Refreshments and snacks provided
Reporting & Discussion: Parameters and Technologies for Multi-sectoral Observations	
11:00-12:00	Discussion on parameters and technologies for multi-sectoral voluntary observation efforts
12:00-13:00	Lunch Fortifications foyer
Breakout Discussion: Data Considerations and Institutional Arrangements	
13:00-14:30	Group C (Palais Room – 8 th floor) Data interoperability, communications, management and access Group D (Beaver Hall – 8 th floor) Institutional and operational needs and options for a Canadian multi-sectoral program
14:30-15:00	Networking Break Fortifications foyer Refreshments and snacks provided
Reporting & Discussion: Data Considerations and Institutional Arrangements	
15:00-16:00	Discussion on data considerations and institutional arrangements for scaling up and coordinating multi-sectoral industry observation efforts
Closing Plenary: Developing the Structure and Framework for Smart Ocean/Smart Industries in Canada Developing a Roadmap and Work Plan for a Canadian Atlantic Pilot Project	
16:00-17:00	Co-moderators: Dr. Doug Wallace & Paul Holthus