



# MEOPAR

MARINE ENVIRONMENTAL OBSERVATION  
PREDICTION & RESPONSE NETWORK

## MEOPAR – WOC Smart Ocean / Smart Industries Workshop



MEETING THE CHALLENGES OF OUR CHANGING OCEAN



## Workshop Day 1 Highlights

- There are a myriad of international VOS/SOO programs
- Canada could be greater involved on many fronts
- Science needs are changing
- There are a variety of research programs active in Canada (LOOKNorth, ONC, ArcticNet, OTN, MEOPAR and others) as well as good government work but we need to continue to come together and cooperate



## Workshop Day 1 Highlights (cont.)

- With shrinking science budgets the need is to “do more with less”
- Technology is changing rapidly; trending to downscaling in size, weight and power and increased use of automation
- New platforms for research are becoming available (autonomous vehicles, access to VOS and offshore sites)



## Workshop Day 1 Highlights (cont.)

- Working with industry is critical but academia, government and NGO's need to make sound value propositions to industrial partners
- Technology packages must be unobtrusive for industry operators and should not impede regular operations
- Research questions must be meaningful for industrial partners and data and information should be shared with them



## Workshop Day 1 Highlights (cont.)

- Managing the volume of data is an often forgotten challenge but one that is growing
- New emerging trend is crowd-sourced data utilizing citizen scientists; concerns about data quality are being mitigated



## Next Steps

- Given these trends, these current activities and the growing interest from Europe, how do we develop a pilot project to serve the Atlantic?
- Then, how do we extend this model to the Pacific, the Arctic and Canada's inland waterways?
- That is tomorrow's task...