

## Oceans Dialogue Series

In cooperation with *Transport Canada*, the *DFO ADM Oceans and Habitat* and the *Oceans Management Research Network* are excited to invite you to the sixth session of the *Oceans Dialogue Series*:

### Ocean Noise Scoping Workshop

Free of Charge

#### ***Ships and Whales: the Stellwagen Bank National Marine Sanctuary as a Case Study for Regional Characterization and Management of Underwater Noise***

By Leila Hatch

Regional Marine Bioacoustic Coordinator, Stellwagen Bank National Marine Sanctuary, US National Oceanic and Atmospheric Administration, MA, USA



14h30 – 17h30 November 19<sup>th</sup>, 2008

Room 4140, Floor 4, Telfer School of Management, Desmarais Building, University of Ottawa, 55 Laurier Avenue East, Ottawa, ON

**Panelists:** Paul Topping, TC; Camille Mageau, DFO; Hugh Bain, DFO; Jim Theriault, Defense Research and Development Canada (Atlantic); Industry Rep.- to be determined

(Presentation in English)

#### *Summary*

Sound in the oceans is generated by a variety of natural sources, including marine animals, as well as a variety of human-produced sources, including commercial ships. After a brief review of shipping noise characteristics and trends, this talk will highlight the Stellwagen Bank National Marine Sanctuary (SBNMS) as a case study for the development of tools to mitigate and monitor the impacts of noise from large commercial vessels on the marine environment. Since 2006, low frequency acoustic data have been collected throughout the SBNMS and used to address multiple questions regarding the distributions, behaviors and potentials for hearing loss and masking among sanctuary species. Results from this research will be discussed, and mitigation methods will be suggested for future policy and scientific pursuit.

*Dr. Leila Hatch is the Regional Marine Bioacoustic Coordinator for Stellwagen Bank National Marine Sanctuary (SBNMS) and the Northeast Region of NOAA's National Marine Sanctuary Program. In her current position, Dr. Hatch focuses on characterizing the relative inputs of different source types to the total underwater noise budgets of local marine environments, and using this information to manage better acoustically-sensitive marine species.*

⇒ **Next Oceans Dialogue Lecture Series: Thursday, Dec.4<sup>th</sup>, 2008**

“What's really happening with Canada's sea ice; impacts on, and demands by, key stakeholders”  
by Douglas Bancroft, OMM CD MSc



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