

## **Sperm Whale Seismic Study**

Chair: Bill Lang, Minerals Management Service  
Co-Chair: Lee Benner, Minerals Management Service  
Wednesday Morning, January 12, 2005

- 8:00 – 8:05**            **Introduction**  
Bill Lang  
Minerals Management Service
- 8:05 – 8:15**            **Industry Remarks**  
Chip Gill  
Industry Research Funders Coalition
- 8:15 – 8:30**            **Overview of Sperm Whale Seismic Study (SWSS)**  
Ann Jochens, Program Manager  
Texas A&M University
- 8:30 – 9:00**            **Seasonal Movements, Range, and Aspects of Sperm Whale Diving Behavior**  
Bruce Mate  
Oregon State University
- 9:00 – 9:20**            **Social Structure of Satellite Tracked Sperm Whales in the Gulf of Mexico**  
Joel Ortega and Bruce Mate, Oregon State University  
Dan Engelhaupt, University of Durham, England
- 9:20 – 9:40**            **Habitat Characterization of Satellite Tracked Sperm Whales in the Gulf of Mexico**  
Joel Ortega and Bruce Mate, Oregon State University  
Robert Leben, University of Colorado  
Doug Biggs, Texas A&M University
- 9:40 – 9:55**            **Seismic Survey Activity and the Proximity of S-Tagged Whales**  
Martha Winsor and Bruce Mate  
Oregon State University
- 9:55 – 10:25**           **Break**

- 10:25 – 10:30**      **Brief Outline of Sperm Whale Airgun Controlled Exposure Experiments (CEEs)**  
Peter Tyack  
Woods Hole Oceanographic Institution
- 10:30 – 10:45**      **The Sounds of Air Guns as Recorded on Sperm Whales and Methods to Quantify Acoustic Exposure**  
Peter Madsen  
Woods Hole Oceanographic Institution
- 10:45 – 11:00**      **Modeling Propagation of Airgun Sounds**  
Jim Lynch  
Woods Hole Oceanographic Institution
- 11:00 – 11:30**      **Effects of Controlled Seismic Exposures on Movement and Foraging Behavior of Sperm Whales**  
Patrick Miller  
St. Andrews University
- 11:30 – 11:50**      **Effects of Exposure to Airguns on Sperm Whale Communication via Codos**  
Stephanie Watwood  
Woods Hole Oceanographic Institution
- 11:50 – 12:00**      **D-tag/CEE Concluding Remarks**  
Peter Tyack  
Woods Hole Oceanographic Institution