



## **INTERNATIONAL MARINE MAMMAL – LONGLINE BYCATCH MITIGATION WORKSHOP**

Clark 507, Woods Hole Oceanographic Institution (Quissett Campus)  
Woods Hole, Massachusetts USA  
October 22-25, 2013

### **Overview**

With support from NOAA's Office of International Affairs, the Consortium for Wildlife Bycatch Reduction based at the New England Aquarium is convening an international workshop to review research on reducing bycatch of odontocetes in longline fishing operations worldwide. Participants will present papers at the workshop and then break into working groups to discuss critical questions pertaining to this body of research.

Among the topics that will be covered during the workshop are time-area closures, and several methods under evaluation in different parts of the world for reducing the bycatch and subsequent mortality of odontocetes in longline gear, including acoustic deterrents, weak hooks, and net sleeves. Many questions remain in understanding the efficacy of these methods, and how practical they may be to the fishing industry. Project outputs will consist primarily of peer-reviewed publications and an on-line clearinghouse of information on research carried out to date, synthesizing our current understanding about the most effective bycatch mitigation methods and identifying critical research needs.

### **DRAFT AGENDA**

<p><b>Monday (Oct. 21) Night, 6:30pm</b> – Informal “meet and greet” at Liam Maguire’s, 273 Main Street, Falmouth</p>
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### **DAY 1 (Tuesday, Oct. 22)**

#### *GENERAL SESSION*

8:30 – Introductions

8:40 – Workshop Overview: Tim Werner and Nina Young

8:50 – Global assessment of marine mammal bycatch in longline fisheries –Kate McClellan

9:15 - Commercial fishers' perspective - Terri Beideman/John Hall

9:40 - Overview of the interactions between marine mammals and the pelagic longline fishery in the subtropical western South Atlantic – Eduardo Secchi

10:05 – Break

10:25 - Using avoidance to minimize depredation in the longline fishery in Alaska waters – Jan Straley

10:50 –Cues, creaks, and decoys: Using underwater sound as a tool to study sperm whale depredation – Aaron Thode

### *SESSION I: Physical Gear Modifications*

11:15 – Pilot whales, false killer whales and weak hooks - Dave Kerstetter

11:40 – Testing longline hooks in the mouths of marine mammals - Bill McLellan

12:05 – 1:15 - Lunch break

1:20 - Net sleeves: Australia – Derek Hamer

1:45 – Net sleeves: Indian Ocean - Njaratiana Rabearisoa

### *SESSION II: Acoustics*

2:10 - Dolphin deterrent devices - Andy Read

2:35 - Dolphin deterrent devices - Simon Northridge

3:00 - Acoustic deterrents - Aran Mooney

3:25 – Break

### *SESSION III: Other Mitigation Methods*

3:45 - Avoiding killer whale depredation in Alaska longline fisheries - Megan Peterson

4:10 - Marine mammal depredation on demersal Patagonian toothfish fishery in the Crozet and Kerguelen Exclusive Economic Zone: Can fish traps solve that issue? – Christophe Guinet

4:35 - Interactions of killer whales with Patagonian toothfish longline fisheries in the Crozet Islands EEZ” Changes in fishing behavior towards mitigation? – Paul Tixier

5:00 - Adjourn

6:30 – Dinner at La Cucina Sul Mare, 237 Main St., Falmouth

**DAY 2 (Wednesday, October 23)**

*SESSION III: Other Mitigation Methods (continued)*

9:00 - Testing a passive deterrent on longlines to reduce sperm whale depredation in the Gulf of Alaska – Victoria O’Connell

9:25 - Break-out session orientation

9:45 – Break-out Session 1: Physical Gear Modifications

12:00 - 1:00 – Lunch

1:10 – 3:15 – Break-out Session 1 (continued)

3:15 - Break

3:30 – Break-out Session 2: Time-Area Closures

5:00 – Adjourn

Dinner – individually arranged

**DAY 3 (Thursday, October 24)**

8:30 - Break-out Session 3: Acoustics

12:30 – 1:30 - Lunch

1:40 – Break-out Session 4: Other Mitigation Methods

5:40 – Adjourn

Dinner – individually arranged

**DAY 4 (Friday, October 25)**

8:00 – 9:40: Private group meetings to complete Breakout Group Reports

9:40 – Physical Gear Mods Report Presentation  
10:00 – Time-area Closures Presentation  
10:20 – Acoustics Report Presentation  
10:40 – Break  
11:00 – Other Mitigation Methods Report Presentation  
11:20 – Discussion and Next Steps  
12:30 – Meeting adjourn

### Confirmed Participants

Derek Hamer	Australian Antarctic Division
Jan Straley	University of Alaska
Dave Kerstetter	Nova Southeastern University
Kate McLellan	New England Aquarium (NEAq)
Tim Werner	NEAq
Nina Young	NOAA Office of International Affairs
Bill McLellan	UNC-Wilmington
Andy Read	Duke University
Simon Northridge	University of St. Andrews
Aaron Thode	Scripps Institute
Njaratiana Rabearisoa	IRD-La Reunion
Paul Tixier	Centre d'Etudes Biologiques de Chizé
Terri Beideman	Blue Water Fishermen's Association
Megan Peterson	University of Alaska-Fairbanks
Dan Flavey	Alaskan Fishermen
Aran Mooney	WHOI
Scott Kraus	NEAq
Victoria O'Connell	Sitka Science
Lars Bejder	Murdoch University
Eduardo Secchi	Universidade Federal do Rio Grande
Luciano Dalla Rosa	Universidade Federal do Rio Grande
Christophe Guinet	Centre d'Etudes Biologiques de Chizé
John Hall	Hawaii Longliner
Debra Palka	NEFSC

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