

WORKSHOP ON TECHNIQUES FOR REDUCING MARINE MAMMAL-GILLNET BYCATCH

Woods Hole, MA USA

October 17 – 20, 2011

OCTOBER 16 (6:30PM) MEET-AND-GREET

OCTOBER 17 AM: SESSION 1 PAPER PRESENTATIONS

THE CONTEXT

9am Introductory Remarks

9:15 *Dr. Randall Reeves, K. McClellan, T. Werner* - Global overview of marine mammal vulnerability to fisheries bycatch

10:15 *Dr. Andy Read* – Case study of harbor porpoise bycatch and pingers in the NW Atlantic

10:45 BREAK

11:00 *Dr. Andrew Revill and T. Werner* - Gillnets: A descriptive overview and discussion of bycatch risk components

11:40 *Dr. Francis Chopin* - FAO International Guidelines on Bycatch Management and Reduction of Discards

12:30 LUNCH (provided)

OCTOBER 17 PM: SESSION 2 PAPER PRESENTATIONS

THEME: ACOUSTIC DETERRENTS – EXPERIENCE TO DATE AND FUTURE PROSPECTS

1:30pm *Debra Palka* - Experience in implementing acoustic pingers in US fisheries

1:55 *Dr. Simon Northridge* – Acoustic deterrents in UK gillnet fisheries

2:20 *Dr. Vic Peddemors* - Catch rates and the effectiveness of pingers in reducing Indo-Pacific bottlenose dolphin (*Tursiops aduncus*) incidental capture in the protective nets off KwaZulu-Natal, South Africa

DRAFT AGENDA

- 2:45 *Dr. Christine Erbe* - Acoustic characterization of bycatch mitigation pingers
- 3:10 BREAK
- 3:30 *Dr. Per Berggren* - Review of the efficacy of acoustic deterrents for reducing marine mammal bycatch in the Baltic region, North Seas and East Africa
- 3:55 *Dr. Marije Siemensma* - Bycatch mitigation of harbour porpoise (*Phocoena phocoena*) in Dutch set net fisheries: A pilot to study the workability and efficiency of several pinger types
- 4:20 *Dr. Steven Dawson* – To ping or not to ping? That is the question: A global review of the effectiveness of pingers in reducing gillnet bycatch of cetaceans
- 4:45 Acoustic Pinger technology exhibit
- 6:30 DINNER (provided)

OCTOBER 18 AM (cont'd): SESSION 2 PAPER PRESENTATIONS

- 9am *Dr. Tomonari Akamatsu* - Efficacy of pingers in North Pacific salmon and squid gillnet fisheries

OCTOBER 18 AM: SESSION 3 PAPER PRESENTATIONS

THEME: NON-ACOUSTIC GEAR TECHNIQUES FOR MARINE MAMMAL-GILLNET BYCATCH MITIGATION

- 9:25 *Finn Larsen and Dr. Simon Northridge* - Review of European trials of barium sulphate and metal oxide nets
- 9:50 *Dr. Alice Mackay, Pablo Bordino, and Dr. Eduardo Secchi* - Results from South American trials of barium sulfate and stiff nets on franciscana and sea turtle bycatch
- 10:15 BREAK
- 10:30 *Dr. Henry Milliken* - How variation of gillnet hanging ratios affects bycatch of harbor porpoise in the NW Atlantic
- 10:55 *Marjorie Rossman and Debi Palka* - Evaluating the impact of gillnet soak durations on bycatch of small cetaceans in the Northwest Atlantic, USA.
- 11:20 *Dr. Scott Kraus* – Gillnet gear modifications for reducing right whale entanglements

DRAFT AGENDA

11:45 Sessions 1&2 Break-out group assignments

12:00 LUNCH (provided)

OCTOBER 18 PM: SESSIONS 2&3 BREAK-OUT GROUPS

1:00-5:30 Two concurrent break-out groups address assigned questions

6:30 DINNER (on your own)

OCTOBER 19 AM: SESSION 4 PAPER PRESENTATIONS

THEME: TIME-AREA CLOSURES

9AM *Dr. Christopher Orphanides* – The impact of time-area closures on harbor porpoise bycatch reduction

9:25 *Dr. Liz Slooten* - How effective are protected areas in reducing Hector's dolphin bycatch?

9:50 *Dr. Lorenzo Rojas-Bracho and Dr. Armando Jaramillo-Legorreta* – Time-area closures for critically endangered species: A recipe for extinction or survival? The case of the vaquita.

10:15 BREAK

10:30 *Dr. Simon Goldsworthy* – Pinnipeds and time-area closures in an Australian gillnet fishery

OCTOBER 19 PM: SESSION 5 PAPER PRESENTATIONS

THEME: GEAR SWITCHING

10:55 *Pablo Bordino* - Switching gillnets with handlines: a strategy to reduce the bycatch of Franciscana dolphins (*Pontoporia blainvillei*) in Argentina

11:10 *Dr. Sara Königson, Sven-Gunnar Lunneryd, Mikael Ovegård and Fredrik Ljunghager* – Cod Pots-An alternative fishing gear to gillnets?

DRAFT AGENDA

12:00 LUNCH (provided)

1:00 *Dr. Christian Pusch* - Cod traps as an ecologically sound fishing gear in the German waters of the Baltic Sea.

1:25 *Daniel Aguilar-Ramirez* - Mexican efforts to save *Phocoena sinus* from extinction through sustainable fisheries.

1:50 BREAK

OCTOBER 19 PM: SESSIONS 4&5 BREAK-OUT GROUPS

2:15 Sessions 4&5 Breakout Group Assignments

2:25 – 6:00 Two concurrent break-out groups address assigned questions

7:00 Dinner (provided)

OCTOBER 20 AM: SESSIONS 4&5 BREAK-OUT GROUPS (cont'd)

9am Break-out groups: Complete reviews of assigned questions and prepare presentations

10:30 BREAK

11:00 GROUP 2 (*Acoustic Deterrents*) Presentation and discussion

12:00 LUNCH (provided)

1:00 GROUP 3 (*Non-acoustic Techniques*) Presentation and discussion

2:00 GROUP 4 (*Time-Area Closures*) Presentation and discussion

3:00 GROUP 5 (*Gear switching*) Presentation and discussion

4:00 Conclusion, next steps

5:00 Adjourn

DRAFT AGENDA

Confirmed Participants

Daniel Aguilar, INAPESCA, Mexico
Tomonari Akamatsu, Japanese National Research Institute of Fisheries Engineering, Japan
Mike Asaro, NOAA, USA
Per Berggren, University of Newcastle, UK
Pablo Bordino, Aquamarina, Argentina
Francis Chopin, FAO, Italy
Steven Christensen, Airmar, USA
Steven Dawson, University of Otago, New Zealand
Chrstitine Erbe, Jasco Research, Australia
Simon Goldsworthy, PIRSA-SARDI, Australia
Pingguo He, UMASS-Dartmouth, USA
John Higgins, NOAA, USA
Neil Hughes, AFMA, Australia
Martin Ipuche, STM Products, Italy
Amanda Johnson, NOAA, USA
John Kenney, NOAA, USA
Sara Konigson, Institute of Coastal Research, Swedish Fisheries Board
Scott Kraus, New England Aquarium, USA
Scott Landry, Provincetown Center for Coastal Studies, USA
Finn Larsen, Danish National Institute of Aquatic Resources
Alice Mackay, Consultant, UK
David Matilla, NOAA, USA
Kate McClellan, Bycatch Consortium/NEAq, USA
Henry Milliken, NOAA Henry Milliken, USA
Aran Mooney, Woods Hole Oceanographic Institution, USA
Michael Moore, Woods Hole Oceanographic Institution, USA
Simon Northridge, University of St. Andrews, UK
Christopher Orphanides, NOAA, USA
Debra Palka, NEFSC, NOAA, USA
Vic Peddemors, Department of Primary Industries, NSW, Australia
Christian Pusch, German Federal Agency of Nature Conservation
Andy Read, Duke University, USA
Randy Reeves, Okapi Associates, Canada
Andrew Revill, Revill Nation, UK
Marjorie Rossman, NEFSC, NOAA, USA
Lorenzo Rojas-Bracho, Mexican National Institute of Ecology
Enrique Sanjuero, WWF-Mexico
Gwynne Schnaittacher, NOAA Contractor, USA
Eduardo Secchi, Federal University of Rio Grande do Sul, Brazil
Marije Siemensma, IVN, Holland
Mike Simpkins, NOAA, USA
Liz Slooten, University of Otago, New Zealand

DRAFT AGENDA

Andrew Smerdon, Aquatec, UK

Amanda Thompson, New England Aquarium, USA

James Turner, Fumunda, Australia

Tim Werner, Bycatch Consortium/New England Aquarium, USA

Nina Young, NOAA Office of International Affairs, USA