

Sea Mammals and Sonar Symposium -- Programme		<i>-- penultimate version, 21-Oct.</i>
Monday, 26 October 2015		
18:00	<i>No host, informal welcome reception at: Forgan's, 110 Market Street, www.forgansstandrews.co.uk</i>	
Tuesday, 27 October 2015		
8:30	<i>registration; Day 1 is at the Byre Theater, Abbey Street, St Andrews, Fife, A4 KY16 9LA</i>	
9:00	Welcome & introduction	Patrick Miller
Session 1: background and context chair: Dan Costa		
9:15	Effects of sonar and role of experimental studies	Peter Tyack
9:35	Sonar & marine mammals: future focuses	Sarah Dolman
9:50	A naval perspective	Mike Weise
10:05	A regulator perspective	René Dekeling
10:20	summary -- discussion session	chair
10:30	<i>coffee</i>	
Session 2: Overview of BRS studies at sea chair: Petter Kvadsheim		
11:00	Overview of 3S-project in Norwegian waters	Petter Kvadsheim
11:20	Overview of SOCAL-BRS project off California	Peter Tyack
11:35	The challenges of analyzing behavioural response study data	Catriona Harris
11:50	BRS with porpoises in Danish waters	Jakob Tougaard
12:05	summary -- discussion session	chair
12:30	<i>lunch break - simple catering in the Byre Theatre</i>	
Session 3: Key outcomes of 3S study Chair: Patrick Miller		
13:30	Use of dose-escalation experiments to derive dose-response functions	Patrick Miller
13:50	Effect of sonar on a whale prey species	Lise Sivle
14:05	Effects of sonar transmissions and killer whale playbacks on sperm whale behaviour states	Saana Isojunno
14:20	Effects of sonar on social behaviour	Fleur Visser
14:35	Comparing behavioural responses of cetaceans to naval sonar versus killer whale playbacks	Charlotte Curé
14:50	summary -- discussion session	chair
15:00	<i>coffee break</i>	
Session 4: Application of BRS results in impact assessments and management chair: Frans-Peter Lam		
15:30	Introduction - relevance of scientific results	Frans-Peter Lam
15:45	Implementation of science into management tools	Sander von Benda-Beckmann
16:00	The use of behavioral response study data in the development of behavioral risk functions for the US Navy	Elizabeth Henderson
16:20	Does ramp-up reduce risk to marine mammals	Paul Wensveen
16:40	summary -- discussion session	chair
17:30	end of day 1	
19:00	<i>No host drinks and dinner at the Byre's restaurant</i>	

Sea Mammals and Sonar Symposium -- day 2

Wednesday, 28 October 2015; policy and regulation

Day 2 is at Hotel Du Vin, 40 The Scores, St Andrews, Fife KY16 9AS

8:30 welcome by Prof J Derek Woollins FRSE FRSC Cchem, St.Andrews University

Session 1: additional science input for mitigation chair: Petter Kvadsheim

8:45 Startle reflex physiology in odontocetes: implications for mitigating the effect of pulsed noise sources Thomas Götz

8:55 TTS and behavioral response studies with harbor porpoises related to naval sonar: Use of results for regulation & mitigation Ronald Kastelein

9:05 The challenge of real-time mitigation Natacha Aguilar de Soto

9:15 Discussion

Session 2: naval perspectives on BRS and data gaps chair: Frans-Peter Lam

9:25 Introduction chair

9:35 USA Ron Filipowitz

10:25 Norway Petter Kvadsheim

10:35 The Netherlands René Dekeling

10:45 *coffee break*

11:15 UK Roderick Jones

11:25 France Odile Gerard

11:35 Germany Stefan Ludwig

11:45 Denmark Darja Poleshuk

11:55 Sweden Mathias Andersson

12:10 Sound & Marine Life -- An industry perspective on the need for research Paul Shone

Session 3: Looking ahead; knowledge gaps chair: Patrick Miller

12:20 Introduction chair

12:30 Discussion

13:20 Wrap-up

13:30 *End of symposium*