

ECS

1987-2017

29 April - 3 May 2017, Middelfart, Denmark

CONFERENCE PROGRAMME



AARHUS
UNIVERSITY
DEPARTMENT OF BIOSCIENCE



DANSK
HAVPATTEDYRFORENING



EUROPEAN
CETACEAN SOCIETY

CONFERENCE PROGRAMME

See also the “Activity day by day in Middelfart” under social programme on the homepage

Saturday 29 April

- 08.00 - 09.00 Booking and return of free bikes at Hindsgavl Castle always possible when info/registration desk is open
- 09.00 - 18.00 Workshops
- 10.00 - 13.00 Official opening of the new porpoise listening station next to Middelfart Harbour. Dissection of a bycaught porpoise and opening of the new “Porpoise observation bike trail”. Public events next to the old harbour where everyone is welcome.

Workshops

For the location of the workshop rooms please see map. The buildings where the workshops will take place will be identified with the conference logo.

- 09:30 - 17:30 **ECS student workshop - Passive acoustic monitoring and introduction to PAMGuard**
Venue: Lillebælt-Værftet (9:30 - 15:30) and Kulturøen (15:30 - 17:30)
- 10:00 - 16:00 **How to achieve a European Joint Cetacean Protocol?**
Venue: Naturcenter Hindsgavl
- 09:00 - 17:00 **Best practice workshop: Fostering inter-regional cooperation in underwater noise monitoring and impact assessment in waters around Europe, within the context of the European Marine Strategy Framework Directive**
Venue: Hindsgavl (Room 1)
- 09:00 - 17:00 **Citizen science as a basis for management decisions and nature conservation**
Venue: Middelfart Sparekasse (Room 1)
- 09:00 - 17:00 **The Marine Mammal Nexus - How can we as marine mammal scientists make a better contribution towards addressing global environmental problems**
Venue: Middelfart Sparekasse (Room 2)

Sunday 30 April

- 08.00 - 09.00 Booking and return of free bikes at Hindsgavl Castle
- 12.00 - 18.30 Registration at Hindsgavl Castle / Booking and return of free bike
- 18.00 - 23.00 Icebreaker (Kulturøen - downtown Middelfart).
Porpoise safari with Aarhus University vessel Aurora and two certified safari boats (Aventura and Mira). Trips last one hour and all boats depart at 18:30 and 20:00. Free tickets available at icebreaker. The new public “Ear in the Sea” listening station, sponsored by Seiche, will be open 19:00-22:00 next to Gl. Havn (Old Harbour).

Workshops

For the location of the workshop rooms please see map. The buildings where the workshops will take place will be identified with the conference logo.

- 08:20 - 17:20 **Static Acoustic Monitoring (SAM) of toothed whales using echolocation clicks: Loggers, Experience, Advances and Challenges**
Venue: Naturcenter Hindsgavl
- 09:30 - 17:00 **Approaches to assessing & managing impacts from marine industry on harbour porpoise Special Areas of Conservation**
Venue: Lillebælt-Værftet
- 09:00 - 17:30 **Predator-prey interactions between grey seals and other marine mammals**
Venue: Middelfart Sparekasse (Room 1)
- 09:00 - 17:00 **5th workshop on „Communicating marine mammal science to the general public“**
Venue: Middelfart Sparekasse (Room 2)
- 09:00 - 14:00 **Marine litter: an emerging cause of concern for marine mammals**
Venue: Kulturøen
- 09:00 - 17:30 **Inputs to the ACCOBAMS ongoing effort to map human threats on cetaceans in the Mediterranean and Black Seas**
Venue: Middelfart Sparekasse (Room 3)
- 09:00 - 17:00 **Effects of PCB exposure in killer whales and other threatened toothed whale species of the North Atlantic**
Venue: Hindsgavl Castle (Room 1)
- 13:00 - 16:00 **Wildlife Computers Cetacean Tag Workshop**
Venue: Hindsgavl Castle (Room 2)



| Venue | Adress | Events |
|-------------------------------|------------------------------------|--|
| Hindsgavl Castle | Hindsgavl Alle 7, 5500 Middelfart | Conference venue, Video night, Banquet, Hotel |
| Kulturøen | Havnegade 6, 5500 Middelfart | Workshop, Icebreaker |
| Lillebælt-Værftet | Havnegade 98, 5500 Middelfart | Workshop |
| Middelfart Sparekasse | Havnegade 21, 5500 Middelfart | Workshop |
| Naturcenteret | Galsklintvej 2, 5500 Middelfart | Workshop |
| Porpoise listening station | Havnegade 98, 5500 Middelfart | Porpoise listening station |
| Aventura | New harbour | Whale watching boat, Icebreaker |
| Mira 3 | Old harbour | Whale watching boat, Icebreaker |
| R/V Aurora | Old harbour | Aarhus University research vessel, Ice-breaker |
| Middelfart Hospital | Østre Hougvej 55, 5500 Middelfart | Hospital |
| Café Razz | Havnegade 40, 5500 Middelfart | Restaurant |
| Eventyrgrillen | Brovejen 341, 5500 Middelfart | Restaurant |
| Familierestaurant Karoline | Brovejen 386, 5500 Middelfart | Restaurant |
| Marina Café & Grill | Østre Hougvej 118, 5500 Middelfart | Restaurant |
| Papa's Pizzeria | Algade 57, 5500 Middelfart | Restaurant |
| Restaurant Fænøsund | Teglgårdsvej 100, 5500 Middelfart | Restaurant |
| Skovgrillen | Brovejen 353, 5500 Middelfart | Restaurant |
| Fænø-Sund Holiday centre | Oddevejen 8, 5500 Middelfart | Hotel |
| Gals Klint Camping | Galsklintvej 11, 5500 Middelfart | Hotel |
| Hindsgavl Camping | Søbadvej 10, 5500 Middelfart | Hotel |
| Hotel Borgmestergaarden | Havnegade 69, 5500 Middelfart | Hotel |
| Hotel Comwell Kongebro-gården | Kongebrovej 63, 5500 Middelfart | Hotel |
| Hotel Huset | Hindsgavl Alle 2, 5500 Middelfart | Hotel |
| Middelfart train station | Stationsvej 36, 5500 Middelfart | Train |

Monday 1 May

8.00 - 8.45 Registration / Booking and return of free bike always possible when info desk is open

8.45 - 9.30 **Official opening: 30 years' anniversary of the ECS, founded in Denmark in 1987.**
Chair of ECS, Mario Acquarone, Chair of the local organisers and the Mayor of Middelfart, Steen Ole Dahlstrøm will open the conference. Founding board members Peter Evans and Carl Kinze will give an anniversary talk on the history of the ECS.

9.30-10.15 **Keynote speaker - Lars Bejder: Making science matter - the zipper effect , Chair: Mario Acquarone**

10.15-11.10

First session, Chair: Anders Galatius **EVOLUTION & DEVELOPMENT**

10.15-10.25

This year the session chair begins each session by introducing the subject and presenting 5-10 posters relevant to the subject of the session.

10.25-10.40

Lee A Miller - Evolution of narrow band-high frequency biosonar and hearing in odontocetes

10.40-10.55

Benjamin Ramassamy - A new specimen of beaked whale from the Gram Formation (Denmark): implications to the evolution of suction feeding in Ziphiidae

10.55-11.10

Magnus Wahlberg - Ontogeny of sound production in new-born, free-ranging harbour porpoise (*Phocoena phocoena*) calves

11.10-11.50

Coffee break / poster viewing

11.50-13.00

Second session , Chair: Jonas Teilmann **MANAGEMENT & CONSERVATION**

11.50-12.00

This year the session chair begins each session by introducing the subject and presenting 5-10 posters relevant to the subject of the session.

12.00-12.15

Denise Risch - Large-scale underwater noise pollution from Acoustic Deterrent Devices (ADDs) on the west coast of Scotland

12.15-12.30

Alice Lapjover - Are cetacean bycatches lost in translation?

12.30-12.45

Anita Gilles - New opportunities in dynamic species management for the harbour porpoise

12.45-13.00

Angar Diederichs - Assessing disturbance of harbour porpoises by pile driving during construction of the first seven commercial North Sea offshore wind farms in Germany

13.00-14.00

Lunch break / poster viewing

14.00-15.00

Third session, Chair: Joan Gonzalvo **DISTRIBUTION & ABUNDANCE**

14.00-14.10

This year the session chair begins each session by introducing the subject and presenting 5-10 posters relevant to the subject of the session.

14.10-14.25

Yann Planque - Comparing horizontal and vertical approaches for the identification of harbour and grey seals' foraging areas

14.25-14.40

Kaitlin Frasier - Cetacean population monitoring integrating visual and acoustic observations

14.40-14.55

Phil Hammond - Estimates of cetacean abundance in European Atlantic waters in summer 2016 from the SCANS-III aerial and shipboard surveys

14:55-15:10

Deanna Leonard - Late summer distribution of bowhead whales in relation to environmental variables in the Canadian Beaufort Sea

15.10-15.50

Speed talks, Chair: Lee A Miller
BEHAVIOUR & ECOLOGY

15.10-15.15

Charles McGibney - Do model drones disturb seals?

15.15-15.20

William Kay - Sex-dependent environmental drivers of grey seal pup dispersal and predicted spatio-temporal overlap risk with marine energy installations

15.20-15.25

Elizabeth Zwamborn - Long-term social units of long-finned pilot whales do not show group-specific repertoires of repeated calls

15.25-15.30

Mridula Srinivasan - To mix or not to mix: testing for randomness in mixed-species cetacean groups

15.30-15.35

Belén G Ovide - Using behavior and acoustic data from multi-sensor tags to assess responses of humpback whales (*Megaptera novaeangliae*) to whale watching boat noise in Skjálfandi Bay (Húsavík), Iceland

15.35-15.40

Cécile Vincent - Using telemetry data to estimate the percentage of seals hauled out during censuses

15.40-15.45

Signe Sveegaard - Two decades of harbour porpoise telemetry data reveal long-term stability of hot spots

15.45-15.50

Susan B Nash - Signals from the south; humpback whales carry messages of Antarctic sea-ice ecosystem variability

Speed talk presenters to be present for questions for 10 minutes near the stage after the session

15.50 - 17.15

First poster session with coffee (Even numbers)

17.15-18.40

Fourth session, Chair: Peter T Madsen
BEHAVIOUR

17.15-17.25

This year the session chair begins each session by introducing the subject and presenting 5-10 posters relevant to the subject of the session.

17.25-17.40

Lonnie Mikkelsen - Long-term sound and movement tag deployments on seals - detailed data on energy-time budgets and the effects of anthropogenic noise

17.40-17.55

Frants Jensen - Ecological drivers of coordinated foraging in long-finned pilot whales

17.55-18.10

Hal Whitehead - Cultural hitchhiking in the matrilineal whales

18.10-18.25

Jesús A Treviño - Every beaked whale for itself: individual foraging activity in social groups of Blainville's beaked whale (*Mesoplodon densirostris*)

18.25-18.40

Edda E Magnúsdóttir - Humpback whale song exchange in the North-Atlantic: Song transmission between Iceland and the Cape Verde Islands

21.00 - 23.00

Video night, Hindsgavl Auditorium, Chair: Jeppe D Balle

- Steffen De Vreese: Study of the Fin whale (*Balaenoptera physalus*) on the Catalan Coast
- Jerome Chladek: Alerting harbor porpoises to gillnets
- Katrin Riesenberger: Whale mAPP and Citizen Scientists
- Olga Filatova: White killer whales (*Orcinus orca*) in the Western North Pacific
- Lonnie Mikkelsen: "Life of Brian", video tags on harbour seals
- Arda Tonay and Ayhan Dede: On the Beach (marine mammal stranding network in Turkey)
- Boris Culik: Ambassador Dolphin "Fiete"
- Silvia Frey: Rough-toothed dolphin encounter in the Eastern Mediterranean Sea

Tuesday 2 May

8.45 - 9.00

Announcements of the day

9.00 - 10.30

First session, Chair: Ursula Siebert HEALTH & MEDICINE

9.00-9.10

This year the session chair begins each session by introducing the subject and presenting 5-10 posters relevant to the subject of the session.

9.10-9.25

Federica Giorda - Cetaceans stranded in Italy (2016): unusual mortality event along the Ionian coastline

9.25-9.40

Jean-Pierre Desforges - Are environmental pollutants affecting the immune system of marine mammals?

9.40-9.55

Andrew Brownlow - Knot a problem? Distribution and pathology of fatal entanglements in large marine animals in Scotland

9.55-10.10

Erica Marchiori - Morphological and molecular characterization of *Crassicauda boopis* (Nematoda; Spirurida) from Mediterranean fin whales: preliminary results

10.10-10.25

Misty Niemeyer - Phocine distemper virus (PDV) occurrence in stranded harbor and gray seals on Cape Cod, MA, USA from 2011-2015 and relevance to past epizootic events

10.30 -11.00

Speed talks, Chair: Signe Sveegaard DISTRIBUTION & ABUNDANCE, MANAGEMENT & CONSERVATION

10.30-10.35

Simone Panigada - Can satellite telemetry, aerial surveys and Important Marine Mamma Areas (IMMAs) facilitate cetacean conservation in the harsh environment of the Strait of Sicily?

10.35-10.40

James Waggitt - A collation of European at-sea surveys identifies and explains persistent areas of cetacean diversity and abundance at regional and decadal scales

10.40-10.45

Kexiong Wang - Influences of vessel traffic on porpoise distributions along the mainstream of Yangtze River

10.45-10.50

Caterina Lanfredi - Identification of Important Marine Mammal Areas (IMMA) in the Mediterranean Sea: results of the first IMMA regional expert workshop

10.50-10.55

Ailbhe Kavanagh - The effect of seismic surveys on cetacean occurrence across a large marine ecosystem

Speed talk presenters to be present for questions near the stage during the coffee break

11.00 -11.45

Coffee break / poster viewing

11.45-13.00

Second session, Chair: Jakob Tougaard ACOUSTICS & NOISE I

11.45-11.55

This year the session chair begins each session by introducing the subject and presenting 5-10 posters relevant to the subject of the session.

11.55-12.10

Danuta M Wisniewska - High rates of vessel noise exposure on wild harbour porpoises (*Phocoena phocoena*) can disrupt foraging

12.10-12.25

Michael Ladegaard - River dolphins out of focus? General target assumptions misrepresent range-dependent biosonar adjustments

12.25-12.40

Peter T Madsen - Narrow acoustic field of view drives frequency scaling in toothed whale biosonars

12.40-12.55

Sander von Benda-Beckmann - Separating underwater ambient noise from flow noise recorded on stereo acoustic tags attached to marine mammals

13.00-14.00 Lunch break / poster viewing / Annual ECS student meeting

14.00-15.40

Third session, Chair: Mario Acquarone

PHYSIOLOGY

14.00-14.10

This year the session chair begins each session by introducing the subject and presenting 5-10 posters relevant to the subject of the session.

14.10-14.25

Marco Bonato - Vascular dynamics during progressive diving and adaptive bradycardia in dolphins: role of the retina mirabilia.

14.25-14.40

Jeppe Kaczmarek - Drivers of the Dive Response in Harbour Seals (*Phoca vitulina*)

14.40-14.55

Wolf Hanke - Hydrodynamic detection of benthic prey breathing currents by harbour seals

14.55-15.10

Siri Elmegaard - Cognitive control of diving heart rate in harbor porpoises

15.10-15.25

Frederike Hanke - Temporal and spatial abilities in pinnipeds

15.25-15.40

Julie van der Hoop - Entanglement is a costly life-history stage in large whales

15.40-17.15

Second poster session with coffee (Odd numbers)

17.15-18.00

Keynote speaker: Asha de Vos: Failing successfully, Chair: Mark Simmonds

19.00-21.00

Public evening (In Danish) at Hindsgavl Castle.

"Marsvin i Middelfart - fra hvalfangst til verdensberømt forskning".

Invited speakers, conference participants and the general public are invited.

19.30-21.00

R/S Aurora open for conference participants, Harbourfront in Middelfart (free beer from TeeDawn)

21.00-

Student party in Middelfart (everyone is welcome), Temabar, Havnegade 13



Wednesday 3 May

8.45 - 9.00 Announcements of the day

9.00 - 9.45 **Keynote speaker: Len Thomas: Does research benefit conservation? Chair: Jacob Nabe-Nielsen**

9.45 - 11.10

First session, Chair: Phil Hammond
ECOLOGY

9.45-9.55

This year the session chair begins each session by introducing the subject and presenting 5-10 posters relevant to the subject of the session.

9.55-10.10

Laia Rojano-Doñate - Does a life in the fast lane make porpoises more vulnerable to disturbance?

10.10-10.25

Mads Peter Heide-Jørgensen - Movements of walruses in Smith Sound

10.25-10.40

Emma Carroll - Harbour Seal Genelemetry: understanding source-sink dynamics across the United Kingdom by combining population survey, genetic and telemetry data

10.40-10.55

Nynne Lemming - Unique offshore preference in West Greenland harbour porpoises

10.55-11.10

Armando M Jaramillo-Legorreta - The dire status of the Vaquita

11.10-11.40

Coffee break / poster viewing

11.40-12.10

Speed talks, Chair: Carl Kinze
POLLUTION, ANATOMY, ACOUSTICS

11.40-11.45

Matteo Baini - Which marine litter do the Mediterranean sperm whales prefer?

11.45-11.50

Tilen Genov - Polychlorinated biphenyls (PCBs) in free-ranging common bottlenose dolphins from the northern Adriatic Sea, in relation to demographic parameters

11.50-11.55

Joseph Schnitzler - Size and shape variations of the bony components of sperm whale cochleae

11.55-12.00

Kristian Beedholm - Fighting the data deluge: a dedicated detector stage to limit false alarms in passive acoustic monitoring of beaked whales

12.00-12.05

Line Kyhn - Harbour porpoise feeding activity varies between Danish Natura2000 areas

12.05-12.10

Heather Vance - Echolocation responses of harbour porpoises (*Phocoena phocoena*) tracking a moving target

Speed talk presenters to be present for questions near the stage during the coffee break

12.10-12.30

Lunch break / poster viewing

12.30 -14.45

Annual General Meeting

14.45-15.40

Second session, Chair: Line A Kyhn
NEW TECHNIQUES

14.45-14.55

This year the session chair begins each session by introducing the subject and presenting 5-10 posters relevant to the subject of the session.

14.55-15.10

Lilian Lieber - Assessing the effectiveness of multibeam sonar to track marine life interactions with a subsea kite in a tidal channel

15.10-15.25

Paul J Wensveen - A method for reconstructing georeferenced fine-scale tracks of marine mammals integrating dead-reckoning and position fixes

15.25-15.40

Francine Kershaw - Identifying important marine mammal areas using geospatial genetics

15.40-16.40 **Third poster session with coffee (All posters presented)**

16.40-17.25

Third session, Chair: Magnus Wahlberg

ACOUSTICS & NOISE II

16.40-16.55

Ursula Verfuss - Assessing the benefit of noise reduction measures during offshore windfarm construction on harbour porpoises

16.55-17.10

Jakob Tougaard - Why is frequency weighting so important in assessment of underwater noise impact?

17.10-17.25

Michel André - Contribution of marine mammal sounds to the European Marine Strategy Framework Directive noise measurements in the Arctic region

17.25-18.00

Awards and Closing remarks

All bikes returned and posters taken down before 19.00!

19.30-02.30

Conference banquet and dance (3 course dinner, free wine, beers and soft drinks if you have registered, everyone else can come after 22:00 and pay for drinks in the bar)

Thursday 4 May

Optional excursions. See activity folder and "conference information" on homepage.





Sponsors

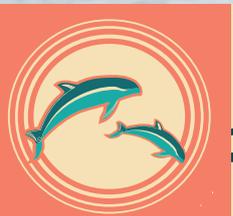


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ECS

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