

Agenda Item 15.1

National Reporting

Report from Parties

Document Inf.15.1.b

**2014 Annual National Report:
Denmark**

Action Requested

- Take note

Submitted by

Denmark



**NOTE:
DELEGATES ARE KINDLY REMINDED
TO BRING THEIR OWN COPIES OF DOCUMENTS TO THE MEETING**

2014 ASCOBANS Annual National Reports

This questionnaire has been pre-filled with answers given in 2013 National Report - please update!

This format for the ASCOBANS Annual National Reports was endorsed by the 6th Meeting of the Parties in 2009. Reports are due to be submitted to the Secretariat by 31 March of each year.

Parties are requested to use this report to provide NEW information on measures taken or actions towards meeting the objectives of the Conservation and Management Plan and the Resolutions of the Meeting of the Parties.

The 7th Meeting of the Parties in 2012 agreed to move to online reporting with immediate effect. In order to benefit fully from the opportunities for synergies among CMS Family treaties afforded by this tool, Parties decided that a revised national report format be developed by a small working group assisted by the Secretariat for consideration by the Advisory Committee in preparation for the 8th Meeting of the Parties. While retaining the questions related only to ASCOBANS, it should align more closely to the format used in CMS, AEWa and EUROBATs.

General Information

Name of Party

> Denmark

Report prepared by

This should indicate the name and affiliation of the lead person for filling in the report.

Name	Jakob Højer Kristensen
Function	Biologist
Organization	Fjord&Bælt
Address	Margrethes Plads 1
Telephone/Fax	+4542131554
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Coordinating Authority and National Coordinator

Please confirm the Coordinating Authority responsible for the national implementation of the Agreement, and give the name and contact details of the officially appointed National Coordinator (Focal Point).

> The Coordinating Authority, is the Danish Nature Agency, which is part of the Danish Ministry of Environment.

The National Coordinator is: Maj Friis Munk, Biologist, Section of Biodiversity and Species.

Phone +45 72542428, email: mfn@nst.dk

List of National Institutions

List of national authorities, organizations, research centres and rescue centres active in the field of study and conservation of cetaceans, including contact details

> DTU AQUA, National Institute of Aquatic Resources, Section for Ecosystem Based Marine Management, Technical University of Denmark, Charlottenlund Slot, Jægersborg Allé 1, 2920 Charlottenlund, Denmark.

Contact person: Finn Larsen, phone +4535883496, email: fl@aqua.dtu.dk

> The Fisheries and Maritime Museum, Tarpbagevej 2, 6710 Esbjerg V, Denmark.

Contact person: Lasse Fast Jensen, phone +4576122000, email: lfj@fimud.k

> Fjord&Bælt, Margrethes Plads 1, 5300 Kerteminde, Denmark.

Contact person: Jakob Højer Kristensen, phone +45 42131550, email: jakob@fjord-baelt.dk

> Department of Bioscience, Aarhus University, Frederiksborgvej 399, 4000 Roskilde, Denmark.

Contact person: Jonas Teilmann +45 87158494, email: jte@dmu.dk

> Marine Biological Research Center, University of Southern Denmark, Hindsholmvej 11, 5300 Kerteminde,

Denmark. Contact person: Magnus Wahlberg, phone +45 22163950, email: magnus@biology.sdu.dk

> The National Veterinary Institute, DTU-VET, Bülowsvej 27, 1870 Frederiksberg C, Denmark.

Contact person: Mette Sif Hansen, phone +45 35886719, email: mesi@vet.dtu.dk

Habitat Conservation and Management

Fisheries Interactions

Direct Interaction with Fisheries

1.1 Investigations of methods to reduce bycatch

> Nabe-Nielsen, J., Sibly, R. M., Tougaard, J., Teilmann, J., & Sveegaard, S. (2014). Effects of noise and bycatch on a Danish harbour porpoise population. *Ecological Modelling*, 272, 242-251.
doi:<http://dx.doi.org/10.1016/j.ecolmodel.2013.09.025>

1.4 Report under EC Regulation 812/2004

Please provide the link to your country's report under EC Regulation 812/2004.
> <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=COM:2011:0578:FIN:EN:HTML>

Reduction of Disturbance

2.1 Anthropogenic Noise

Please reference and briefly summarise any studies undertaken

> Hermannsen, Line, Kristian Beedholm, Jakob Tougaard, and Peter T. Madsen. "High Frequency Components of Ship Noise in Shallow Water with a Discussion of Implications for Harbor Porpoises (*Phocoena Phocoena*)." *The Journal of the Acoustical Society of America* 136, no. 4 (2014): 1640-53.

2.3 Major Incidents

Major Incidents Affecting Significant Numbers of Cetaceans (two or more animals)

	Date	Location	Type of Incident	Further Information
Incident				

2.4 Pollution and Hazardous Substances

Please report on main types of pollution and hazardous substances (including source, location and observed effects on cetaceans). Please provide information on any new measures taken to reduce pollution likely to have an impact.

> Letcher RJ, S Chu a, MA. McKinney, GT. Tomy, C Sonne, R Dietz. Comparative hepatic in vitro depletion and metabolite formation of major perfluorooctane sulfonate precursors in arctic polar bear, beluga whale, and ringed seal. *Chemosphere* 112 (2014) 225-231.

Marine Protected Areas

Marine Protected Areas for Small Cetaceans

3.1 Relevant Information

Please provide any relevant information on measures taken to identify, implement and manage protected areas for cetaceans, including MPAs designated under the Habitats Directive and MPAs planned or established within the framework of OSPAR or HELCOM.

> In June 2011, Denmark began a monitoring program of the designated SACs (special areas of conservations, Natura2000) for harbour porpoises. Passive acoustic dataloggers, CPODs, have been deployed in two SACs, an acoustic porpoise survey has been conducted in the Inner Danish waters, two aerial surveys have been performed covering SACs: one in the North Sea and one in Skagerrak.

> The Natura 2000 project aims to ensure endangered and valuable species. In this project 16 areas has been selected to protect the Harbour Porpoise.

<http://naturerhverv.dk/fiskeri/natura-2000-i-hav/marsvin/>

http://www.naturstyrelsen.dk/Udgivelser/Aarstal/2013/Vandmiljoe_og_Natur_2012_NOVANA.htm

3.2 GIS Data

Please indicate where GIS data of the boundaries (and zoning, if applicable) can be obtained (contact email / website).

> GIS data in relation to boundaries and Natura2000 areas can be found on the webpage of the Danish Ministry of the Environment:

You have attached the following Web links/URLs to this answer.

http://miljoegis.mim.dk/cbkort?selectorgroups=themecontainer%20Natura2000%20fredning&mapext=277608%206024994.2%201064040%206422715.8&layers=theme-gst-dtkskaerm_daempet%20ef_fugle_bes_omr%20ramsar_omr%20ef_habitat_omr%20theme-pg-natura_2000_omraader&mapheight=969&mapwidth=1925&profile=miljoegis-natura2000 - Danish Natura2000 areas GIS data

Surveys and Research

4.1 Abundance, Distribution, Population Structure

Overview of Research on Abundance, Distribution and Population Structure

> Viquerat S, Herr H, Gilles A, Peschko V, Siebert U, Sveegaard S, Teilmann J. (2014) Abundance of harbour porpoises (*Phocoena phocoena*) in the western Baltic, Belt Seas and Kattegat. *Marine Biology* 161:745-754.

4.3 Other Relevant Research

> Nweeia MT, Eichmiller FC, Hauschka PV, Donahue GA, Orr JR, Ferguson SH, Watt CA, Mead JG, Potter CW, Dietz R, Giuseppetti AA, Black SR, Trachtenberg AJ, Kuo WP 2014. Sensory Ability in the Narwhal Tooth Organ System. *The Anatomical Record* 297:599-617. DOI 10.1002/ar.22886

> Berga AS, Wright AJ, Galatius A, Sveegaard S, Teilmann J. 2015. Do larger tag packages alter diving behavior in harbor porpoises. *Marine Mammal Science*, in press.

Use of Bycatches and Strandings

Post-Mortem Research Schemes

5.1 Contact Details

Contact details of research institutions and focal point

> The National Veterinary Institute (DTU-VET), Bülowsvej 27, 1870 Frederiksberg C, Denmark

> The Fisheries and Maritime Museum, Tarpbagevej 2, 6710 Esbjerg V, Denmark.

Contact person: Lasse Fast Jensen, phone +45 76122000, email: lfj@fimus.dk

5.2 Methodology

Methodology used (reference, e.g. publication, protocol)

> Standardized post mortem protocols

5.3 Samples

Collection of samples (type, preservation method)

> The National Veterinary Institute, necropsies (contact: Mette Sif Hansen, mesi@vet.dtu.dk)

Collection of samples for:

Parasitology (lung, intestines, diaphragma)

Storage (lung and spleen)

Other tissues on indication

> Collection of samples to Aarhus University (contact: Anders Galatius, agj@dmu.dk):

teeth, muscle, skin, blubber, liver, kidney, stomach contents, urine, blood, spleen, gonads/reproductive organs, lung, diaphragma, faeces

> Collection of samples to The Fisheries and Maritime Museum (contact: Lasse Fast Jensen, lfj@fimus.dk):

teeth, muscle, skin, blubber, liver, kidney, stomach contents, urine, blood, spleen, gonads/reproductive organs, lung, diaphragma, faeces

5.5 Additional Information

Additional information (e.g. website addresses, intellectual property rights, possibility of a central database)

> Necropsy findings of marine mammals are reported on an annual basis in a report (in Danish) from DTU-VET for the Danish Nature Agency. The latest available report covers 2013.

<http://www.vildtsundhed.dk/Om-Vildtsundhed-dk/Aarsrapporter>

You have attached the following Web links/URLs to this answer.

[Necropsy report](#) - Necropsy findings of marine mammals are reported on an annual basis in a report (in Danish) from DTU-VET for the Danish Nature Agency. The latest available report covers 2013.

Activities and Results

5.6 Necropsies

Number of necropsies carried out in the reporting period

	Recorded cause of death	Number
Phocoena phocoena	By-caught, autopsied at DTU-Vet.	1
Tursiops truncatus		
Delphinus delphis		
Stenella coeruleoalba		
Grampus griseus		
Globicephala melas	No apparent cause of death	1

Globicephala macrorhynchus		
Lagenorhynchus albirostris	2 where Emaciated with chronic peritonitis. 1 was emaciated with worn teeth. DTU-Vet examined material from the dolphins	3
Lagenorhynchus acutus		
Orcinus orca		
Hyperoodon ampullatus		
Mesoplodon bidens		
Kogia breviceps		
Other (please specify under number)		
Other (please specify under number)		
Other (please specify under number)		
Other (please specify under number)		
Other (please specify under number)		
Other (please specify under number)		

5.7 Other Relevant Information

Please provide any other relevant information on post-mortem / stranding schemes

> Preliminary stranding data for 2014 collected by The Fisheries and Maritime Museum, Tarpbagevej 2, 6710 Esbjerg V, Denmark. Contact person: Lasse Fast Jensen, phone +45 76122000, email: lfj@fimus.dk.

Harbour Porpoise (*Phocoena phocoena*): 108

White Beaked Dolphin (*Lagenorhynchus albirostris*): 2

Pilot whale (*Globicephala melas*): 1

Data might still be subjected to changes.

Relevant New Legislation, Regulations and Guidelines

6.1 New Legislation, Regulations and Guidelines

Please provide any relevant information

- › The Danish Nature Agency has drafted a new Action plan for stranded cetaceans in Denmark in 2012.
- › Natura 2000 as described in section A

Public Awareness and Education

7.1 Public Awareness and Education

Please report on any public awareness and education activities to implement or promote the Agreement to the general public and to fishermen.

> Fjord&Bælt in Kerteminde, Denmark, houses three harbour porpoise for research and public display. The center is visited by more than 55,000 guests every year, including more than 7,000 school children. A long range of Danish and international media teams (TV, radio, newspapers, home pages) visit the center every year and usually focus their outreach on harbour porpoise research and conservation.

Fjord&Bælt works closely together with the University of Southern Denmark, and University of Århus.

Possible difficulties encountered in implementing the Agreement

Difficulties in Implementing the Agreement

Please provide any relevant information

> None