

Interactive database for Baltic Sea porpoises

Sharing Data Across Borders

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BACKGROUND

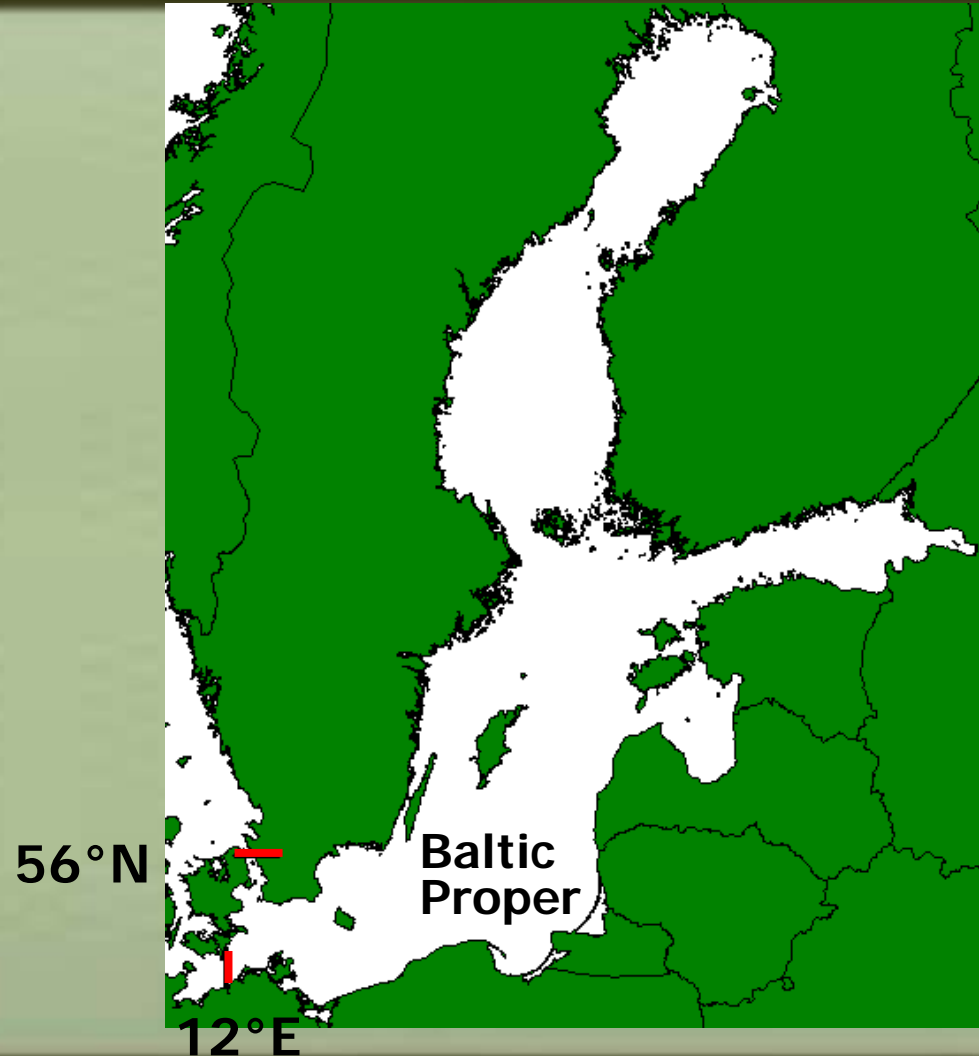
Aims of project

- ✓ Overview of porpoise occurrence in the Baltic Proper
- ✓ Increase and simplify cooperation between countries
- ✓ Increase public awareness of porpoises

Background

Method

- ✓ Create database, including information from all countries surrounding the area



Background

Method

- ✓ Create database, including information from all countries surrounding the area
- ✓ Information accessible for scientists and politicians for management decisions on special request
- ✓ Present database and make data partly accessible via an interactive map on the web

STATUS

Database

Constitutes of six categories:

- ✓ Incidental sightings
- ✓ Effort sightings
- ✓ Strandings
- ✓ Bycatch
- ✓ Hunted/Killed
- ✓ T-POD data

STATUS

Database

Common in all categories (if available):

- ✓ ID-Number in the database
- ✓ Origin of data (country, institute, ID of original database)
- ✓ Date and possibly time of the registration
- ✓ Location of the registration

STATUS

Database

Additional information on **incidental and effort sightings**:

- ✓ Sighting platform
- ✓ Weather and sea condition
- ✓ Pod size
- ✓ Calf present, number of calves

STATUS

Database

Additional information on **Strandings/By-catches/Hunted**

- ✓ Finder
- ✓ Sex, age, length, weight
- ✓ Data on reproduction
- ✓ Data on health status
- ✓ Genetic information
- ✓ Net type

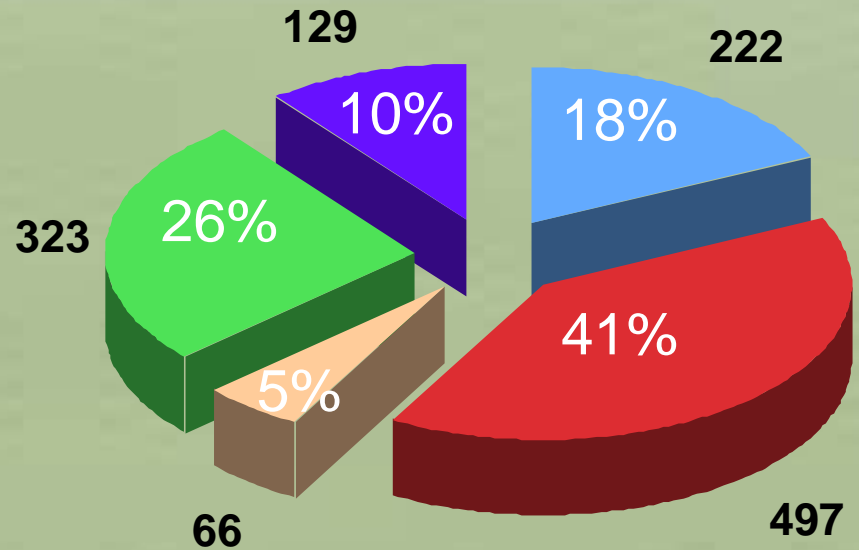
STATUS

Data

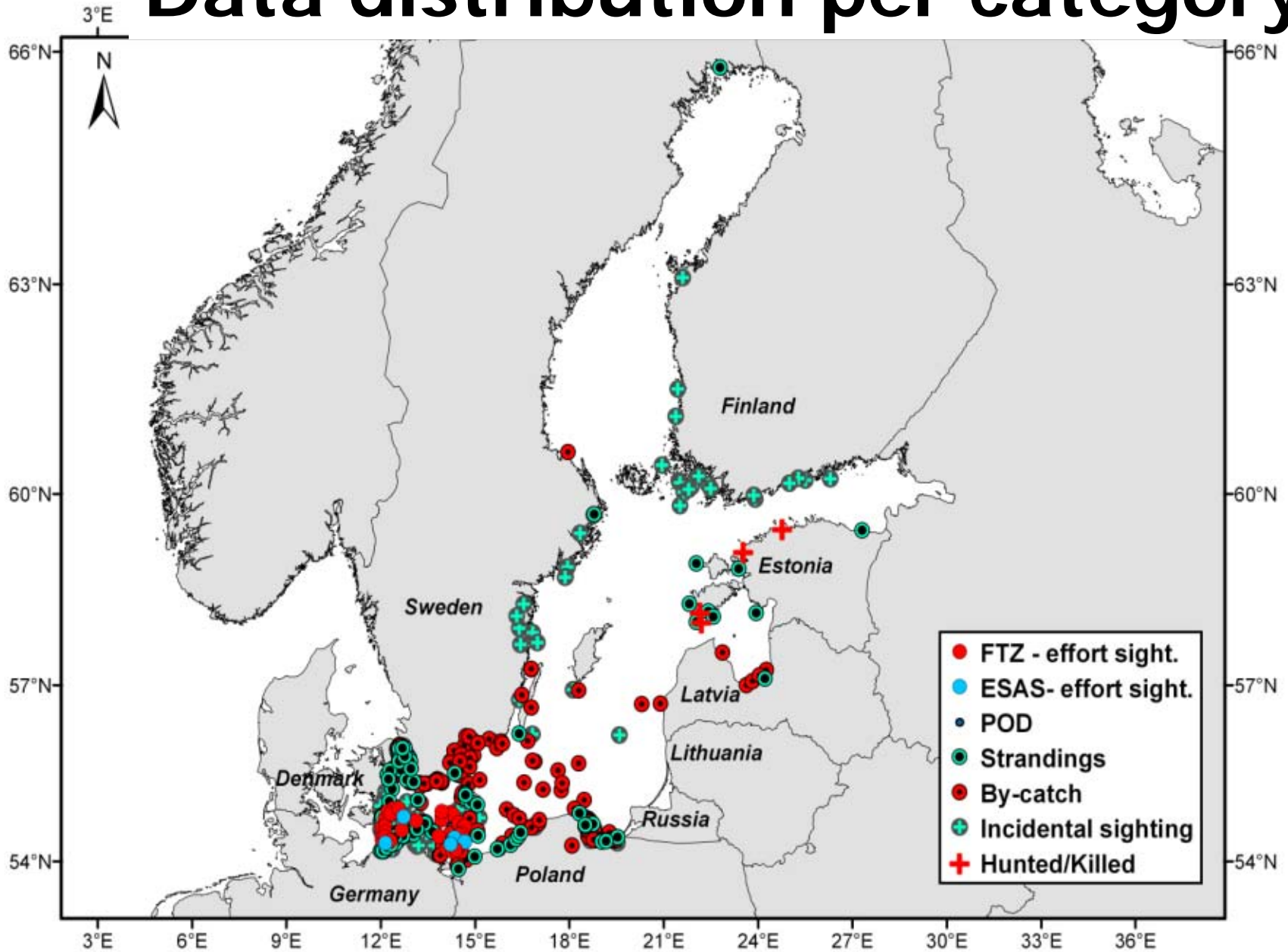
✓ **1,237 records**
from 1905 to 2007

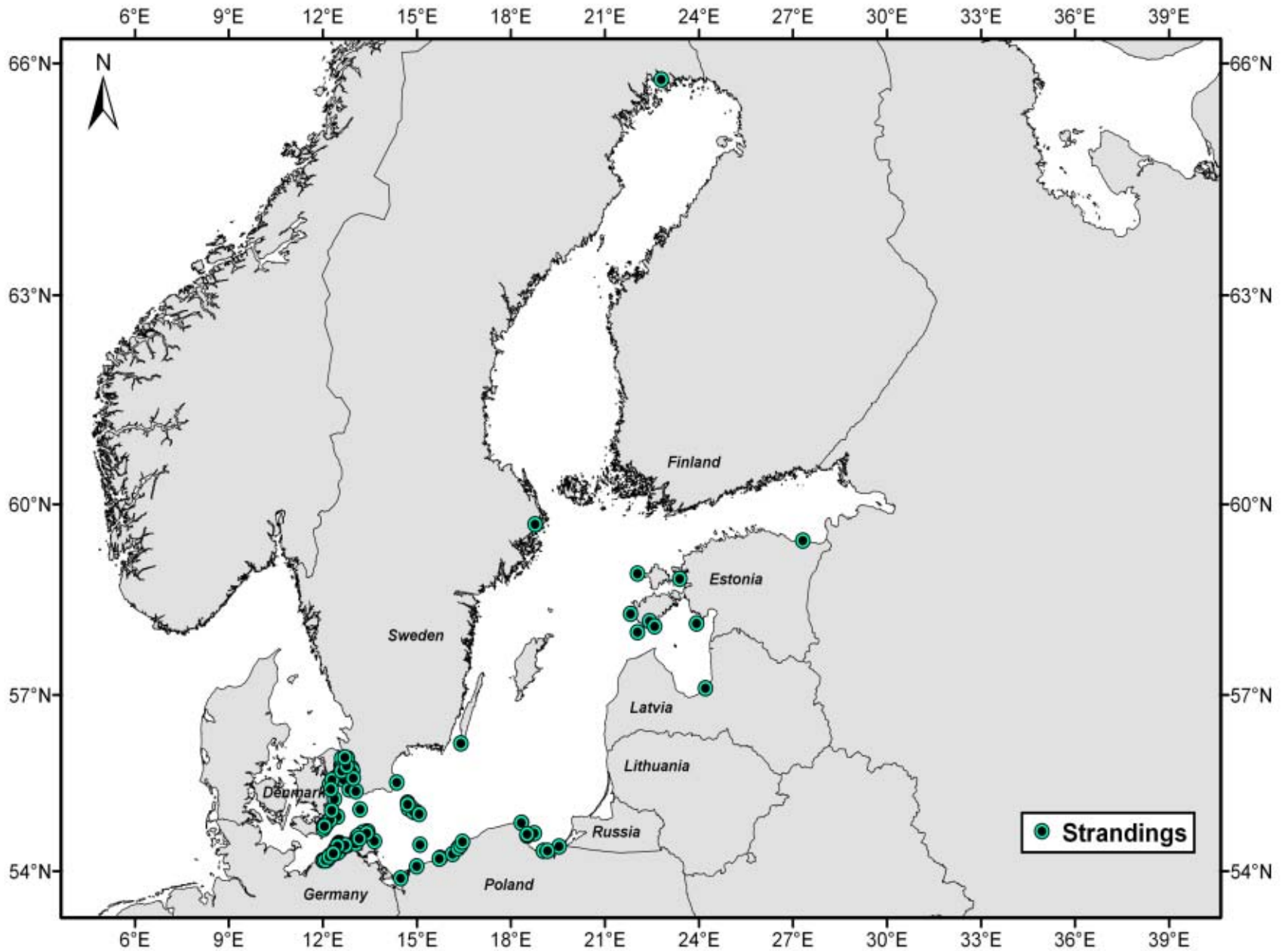
✓ Contributed by
Germany, Poland,
Denmark, Sweden,
Latvia, Estonia &
Finland

✓ ESAS

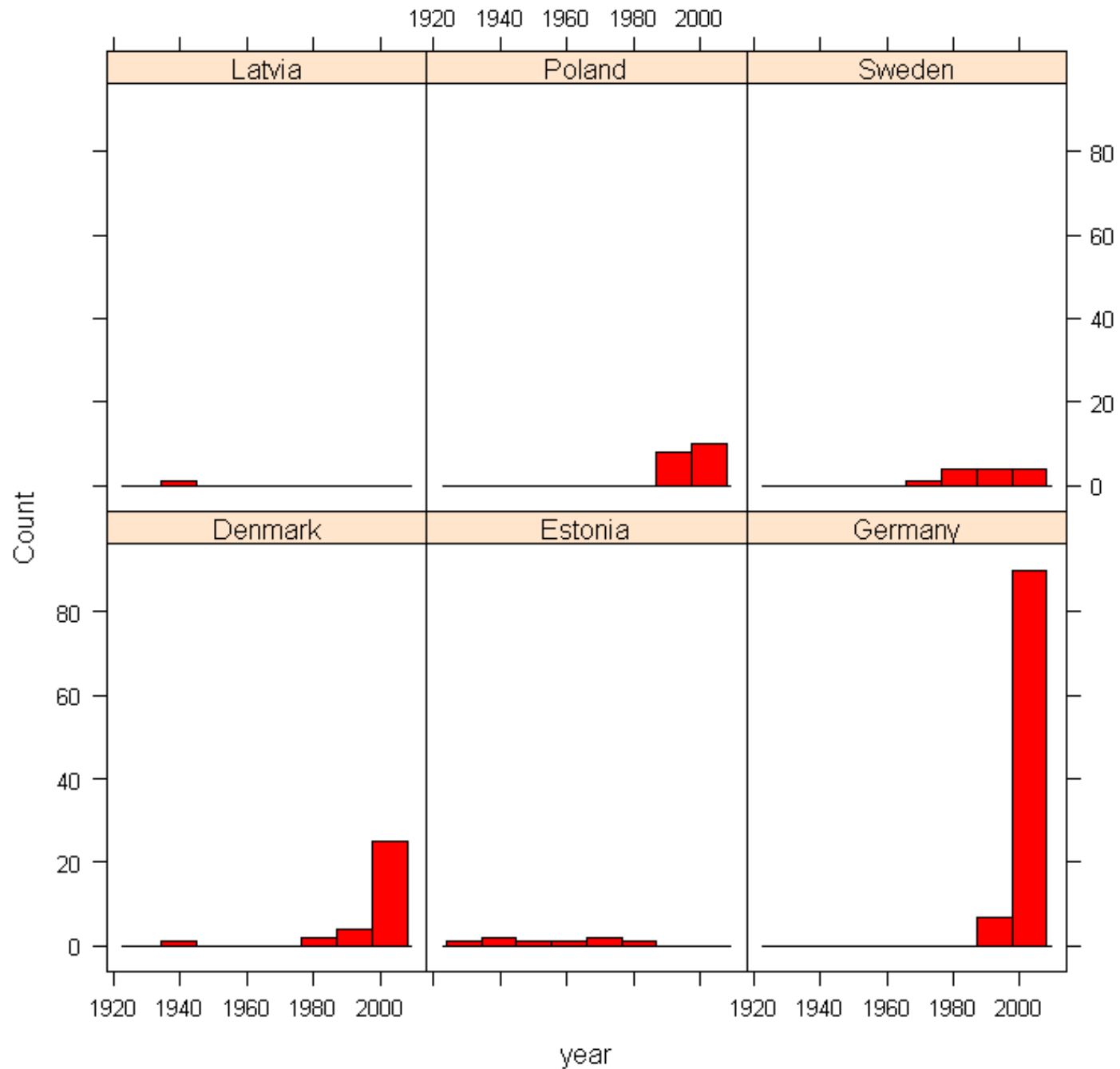


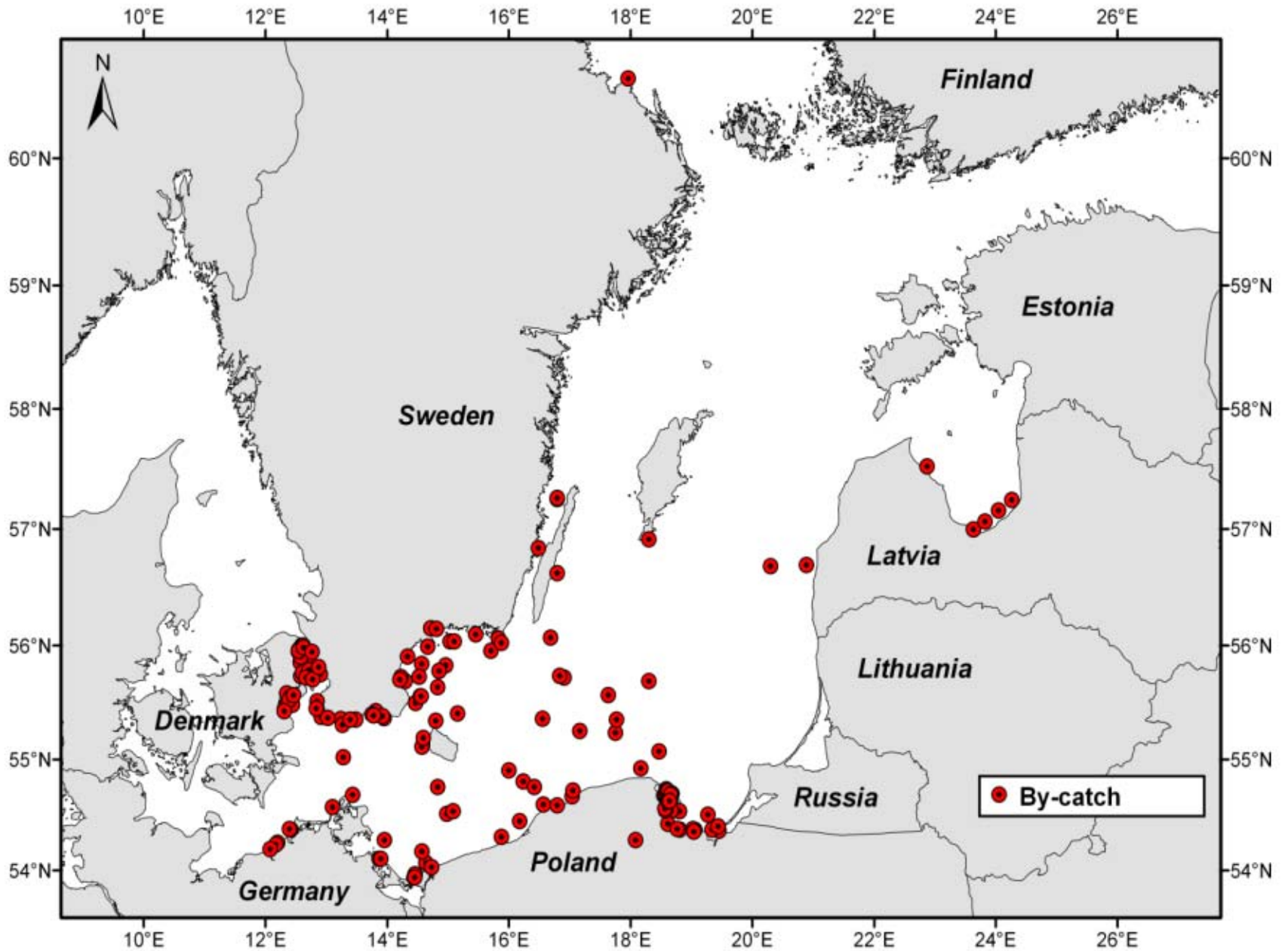
Data distribution per category



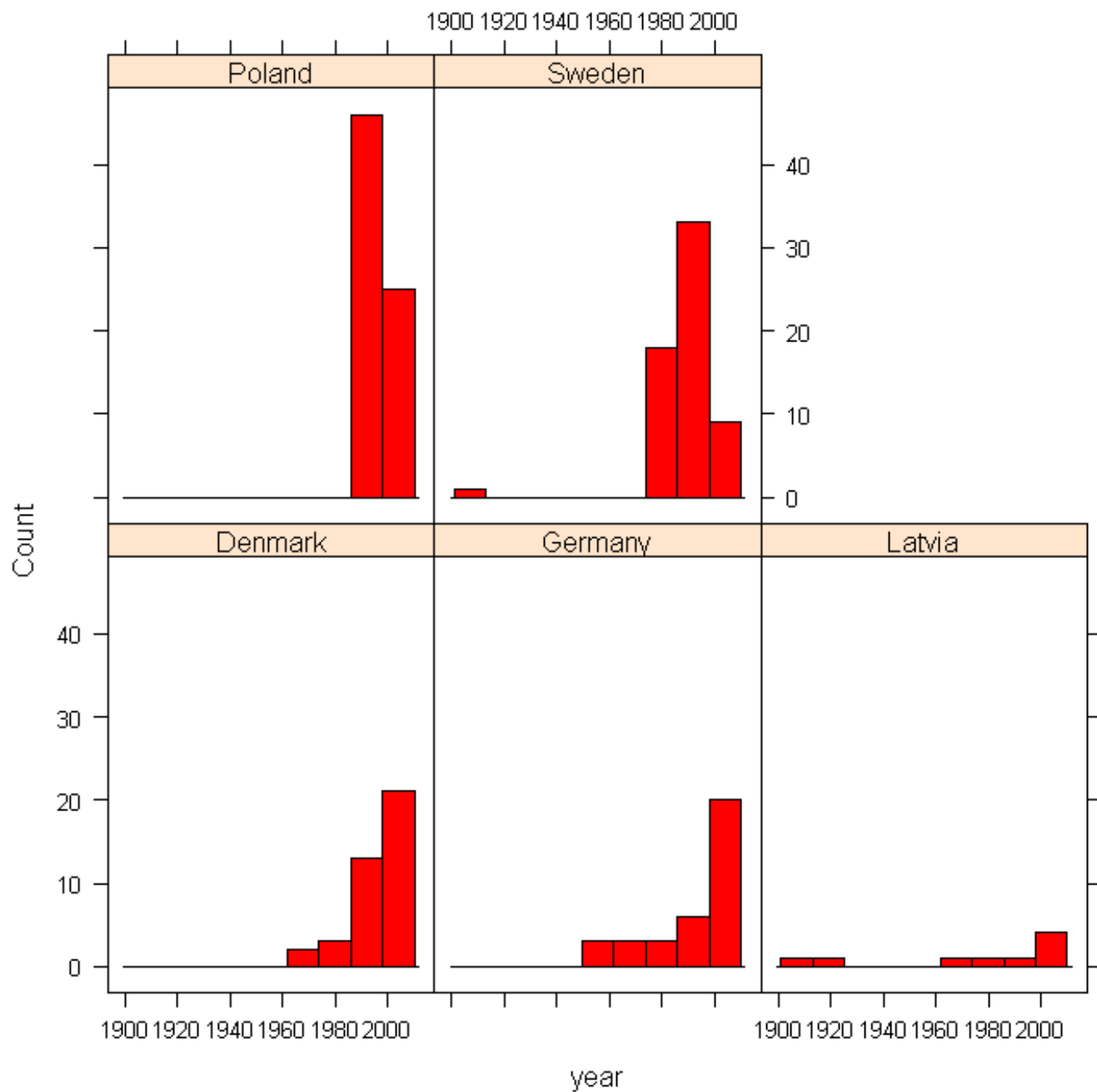


Strandings

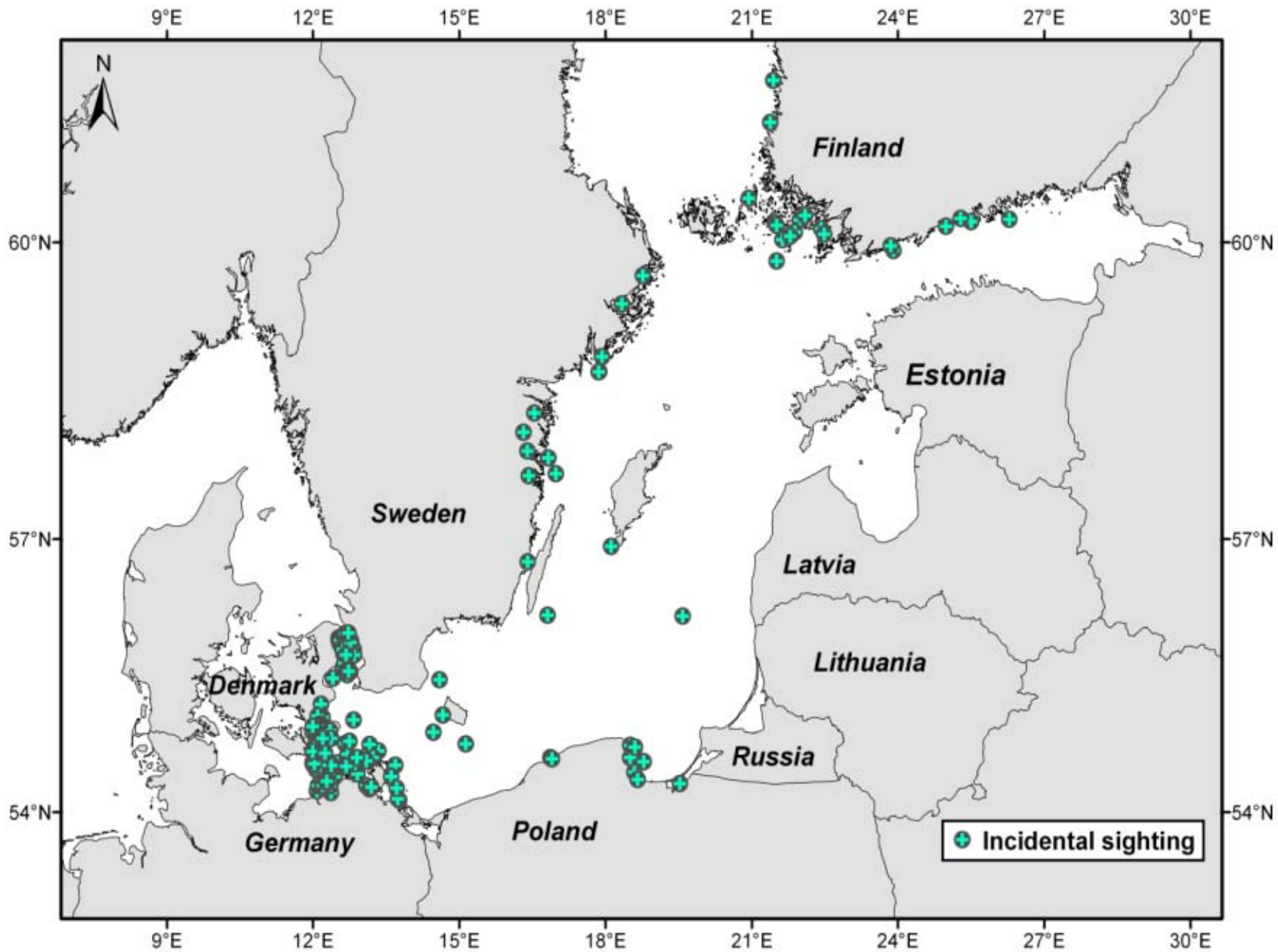


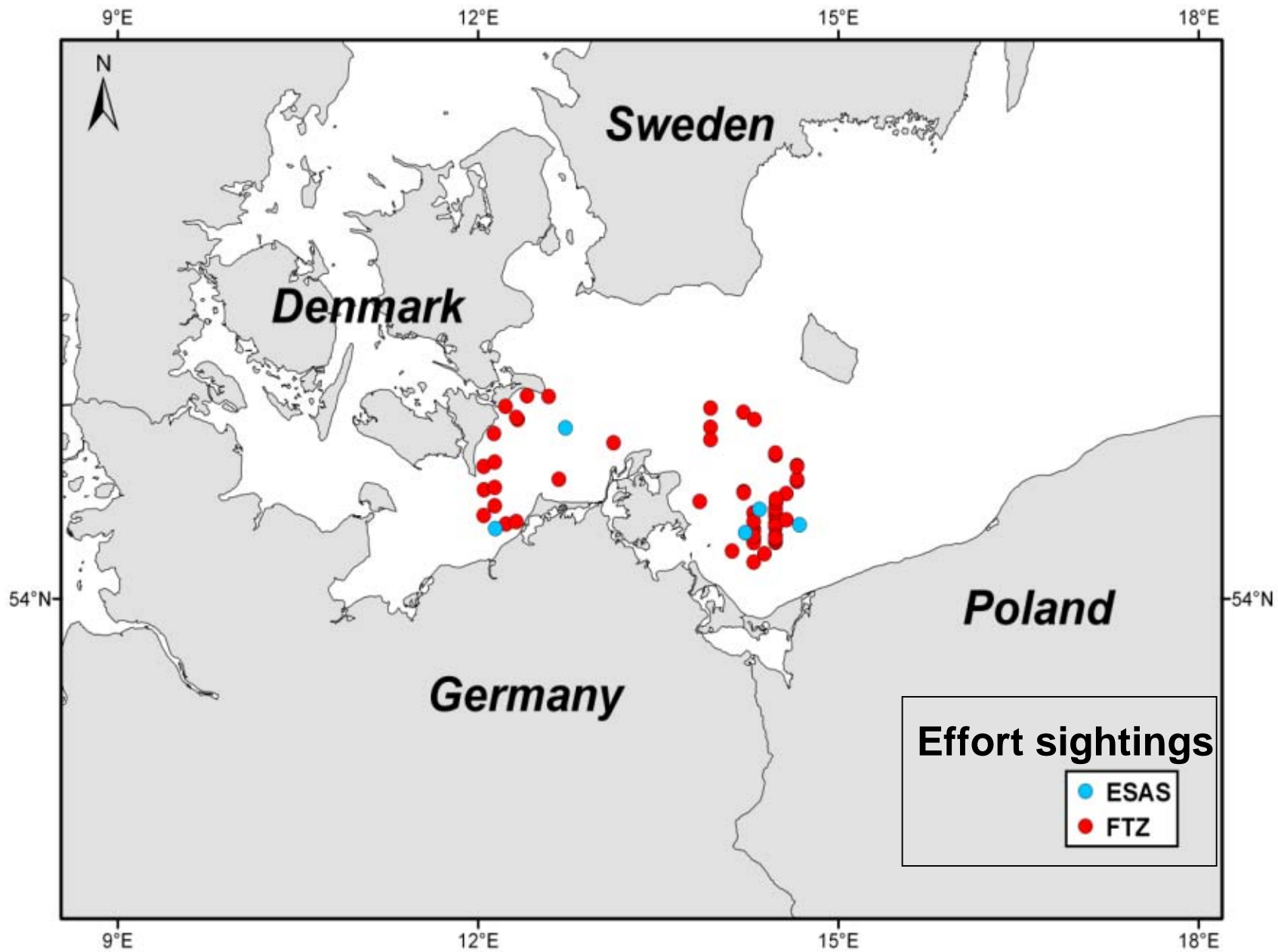


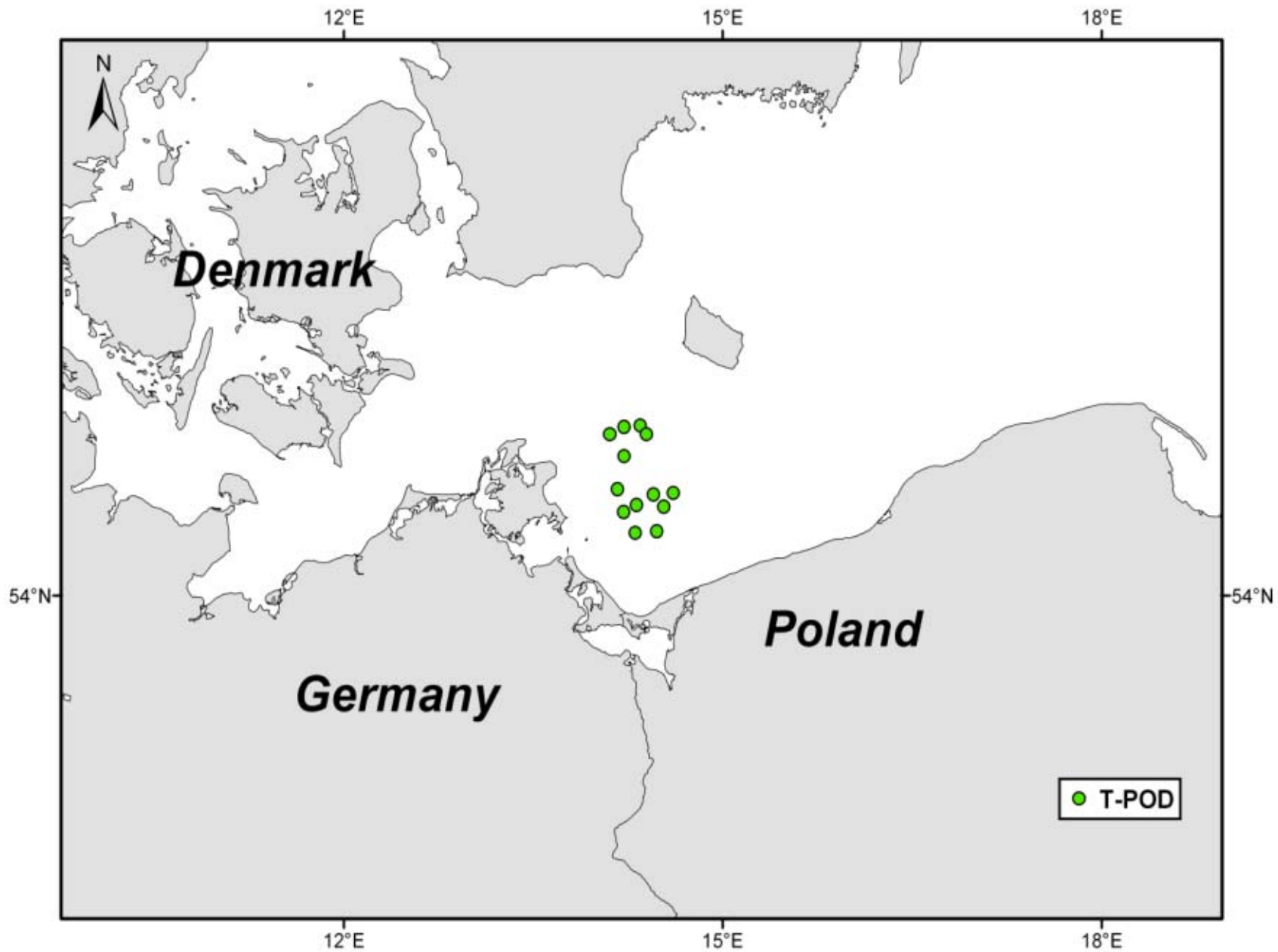
Bycatch







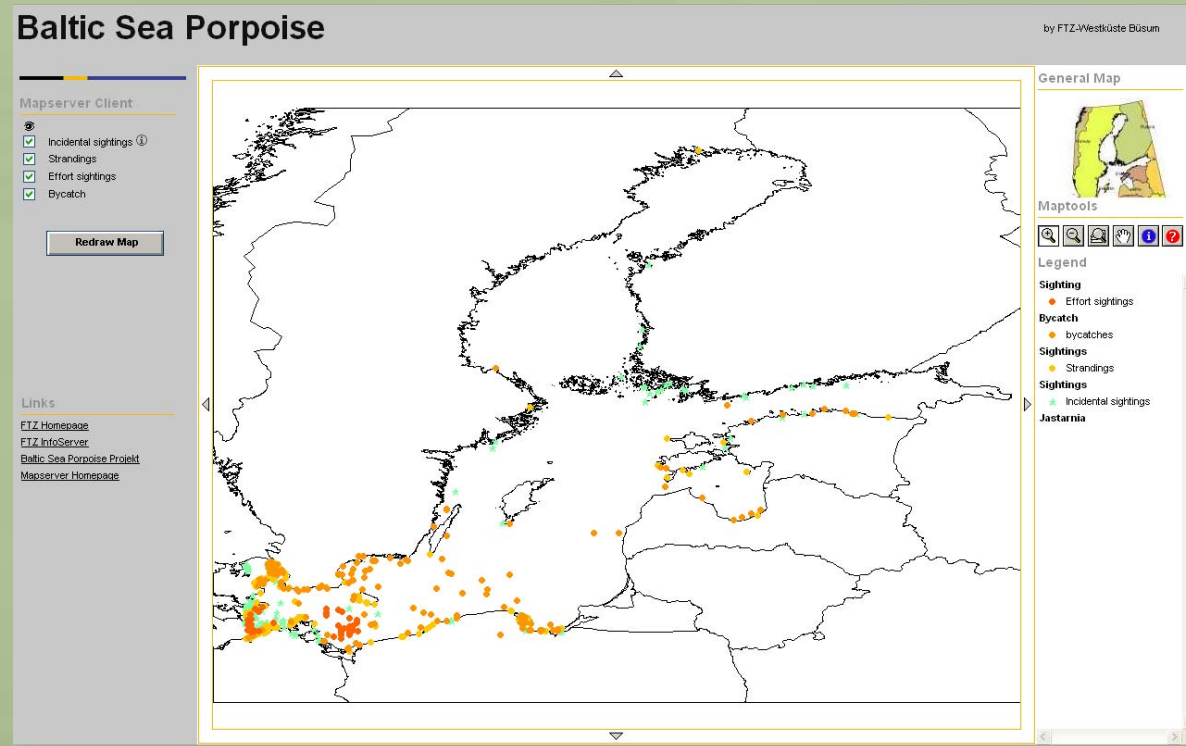




STATUS

Interactive Map

- ✓ Located on project website
- ✓ Shows different categories
- ✓ Click on record and receive specific information



STATUS

Website

www.balticseaporpoise.org



Baltic Sea Porpoise Project

Welcome

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[Research projects](#)

[The harbour porpoise](#)

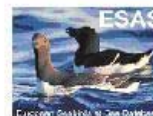
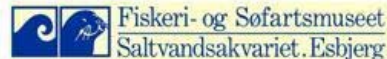
[Links](#)

Webmaster: [Ida Carlén](#)

The Baltic Sea Porpoise Project is a part of the Jastarnia project, and funded by the Federal Agency for Nature Conservation in Germany. The project is based on a database for sightings, strandings and bycatches of harbour porpoises in the Baltic Sea, and the idea is that all organisations/agencies around the Baltic Sea can provide data. The goal of the project is to work as a forum for researchers as well as an educational tool for the general public.

We thank the following parties for their contributions

Valdis Pilats, Latvia; Carl Kinze, Denmark; Ivar Jussi, Estonia and Heini Kujala, Finland




STATUS Information

- ✓ ASCOBANS working paper for the 12th Advisory Committee Meeting, April 2005
- ✓ Poster presentation at 2006 ECS conference, Gdynia, Poland

BALTIC SEA PORPOISE DATABASE

Sharing Data Across Borders




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In 2004 the project "Investigations on harbour porpoises in the Baltic Sea" was established as part of the Jastarnia Plan (ASCOBANS recovery Plan for Baltic Harbour Porpoises), funded by the Federal agency for Nature Conservation in Germany and coordinated by the German Oceanographic Museum. One of its aims is the development of a database that links and enables to share data on harbour porpoises in the Central and Eastern Baltic Sea between all adjacent countries.



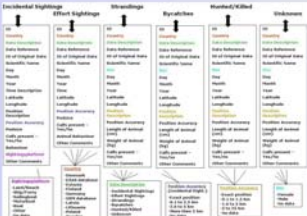
Baltic Sea Porpoise Project

Welcome

The Baltic Sea Porpoise Project is a joint effort of scientists and experts in the Baltic region to build a comprehensive database on the biology of the Baltic Harbour Porpoise. The aim of the project is to provide us with more insight on the biology of this species. The goal is for the database to act as a forum for researchers around the Baltic Sea as well as an educational tool for the general public.

For easy accessibility the database will be presented via an interactive map, located at www.balticseaporpoise.org (see figure 1 and 2).

The harbour porpoises in the Central and Eastern part of the Baltic Sea belong to a distinguished subpopulation, different to the one in the Western Baltic Sea. During last century this population drastically decreased leading to an increased conservation concern. Standard methods for determining population size are difficult to apply in low density areas and alternatives for determining the status of the Baltic Sea harbour porpoise need to be considered. Overall knowledge on this population is low, yet many of the bordering countries have unpublished anecdotal or scientific evidence of this species.



Incidental sightings	Effort sightings	Strandings	Bycatches	Harbour/Killed	Submissions
Year	Year	Year	Year	Year	Year
Location	Location	Location	Location	Location	Location
Observer	Observer	Observer	Observer	Observer	Observer
Species	Species	Species	Species	Species	Species
Sex	Sex	Sex	Sex	Sex	Sex
Age	Age	Age	Age	Age	Age
Length of animal	Length of animal	Length of animal	Length of animal	Length of animal	Length of animal
Weight of animal	Weight of animal	Weight of animal	Weight of animal	Weight of animal	Weight of animal
Blow length	Blow length	Blow length	Blow length	Blow length	Blow length
Blow diameter	Blow diameter	Blow diameter	Blow diameter	Blow diameter	Blow diameter
Blow frequency	Blow frequency	Blow frequency	Blow frequency	Blow frequency	Blow frequency
Blow duration	Blow duration	Blow duration	Blow duration	Blow duration	Blow duration
Blow intensity	Blow intensity	Blow intensity	Blow intensity	Blow intensity	Blow intensity
Blow direction	Blow direction	Blow direction	Blow direction	Blow direction	Blow direction
Blow distance	Blow distance	Blow distance	Blow distance	Blow distance	Blow distance
Blow height	Blow height	Blow height	Blow height	Blow height	Blow height
Blow width	Blow width	Blow width	Blow width	Blow width	Blow width
Blow area	Blow area	Blow area	Blow area	Blow area	Blow area
Blow volume	Blow volume	Blow volume	Blow volume	Blow volume	Blow volume
Blow speed	Blow speed	Blow speed	Blow speed	Blow speed	Blow speed
Blow pressure	Blow pressure	Blow pressure	Blow pressure	Blow pressure	Blow pressure
Blow temperature	Blow temperature	Blow temperature	Blow temperature	Blow temperature	Blow temperature
Blow humidity	Blow humidity	Blow humidity	Blow humidity	Blow humidity	Blow humidity
Blow density	Blow density	Blow density	Blow density	Blow density	Blow density
Blow viscosity	Blow viscosity	Blow viscosity	Blow viscosity	Blow viscosity	Blow viscosity
Blow surface tension	Blow surface tension	Blow surface tension	Blow surface tension	Blow surface tension	Blow surface tension
Blow refractive index	Blow refractive index	Blow refractive index	Blow refractive index	Blow refractive index	Blow refractive index
Blow optical density	Blow optical density	Blow optical density	Blow optical density	Blow optical density	Blow optical density
Blow acoustic impedance	Blow acoustic impedance	Blow acoustic impedance	Blow acoustic impedance	Blow acoustic impedance	Blow acoustic impedance
Blow speed of sound	Blow speed of sound	Blow speed of sound	Blow speed of sound	Blow speed of sound	Blow speed of sound
Blow bulk modulus	Blow bulk modulus	Blow bulk modulus	Blow bulk modulus	Blow bulk modulus	Blow bulk modulus
Blow dynamic viscosity	Blow dynamic viscosity	Blow dynamic viscosity	Blow dynamic viscosity	Blow dynamic viscosity	Blow dynamic viscosity
Blow kinematic viscosity	Blow kinematic viscosity	Blow kinematic viscosity	Blow kinematic viscosity	Blow kinematic viscosity	Blow kinematic viscosity
Blow thermal conductivity	Blow thermal conductivity	Blow thermal conductivity	Blow thermal conductivity	Blow thermal conductivity	Blow thermal conductivity
Blow thermal diffusivity	Blow thermal diffusivity	Blow thermal diffusivity	Blow thermal diffusivity	Blow thermal diffusivity	Blow thermal diffusivity
Blow thermal expansion coefficient	Blow thermal expansion coefficient	Blow thermal expansion coefficient	Blow thermal expansion coefficient	Blow thermal expansion coefficient	Blow thermal expansion coefficient
Blow thermal conductivity	Blow thermal conductivity	Blow thermal conductivity	Blow thermal conductivity	Blow thermal conductivity	Blow thermal conductivity
Blow thermal diffusivity	Blow thermal diffusivity	Blow thermal diffusivity	Blow thermal diffusivity	Blow thermal diffusivity	Blow thermal diffusivity
Blow thermal expansion coefficient	Blow thermal expansion coefficient	Blow thermal expansion coefficient	Blow thermal expansion coefficient	Blow thermal expansion coefficient	Blow thermal expansion coefficient



Harbour Porpoises in the Baltic Sea

Legend

- Sighting
- Stranding
- Bycatch
- Harbour/Killed
- Submission
- Unknown
- Other

Future plans

Besides the six categories now existing (see fig.3), other information will also be included such as that of acoustic monitoring of porpoises with towed and stationary hydrophones, as well as old stories and anecdotes from encounters with porpoises. Furthermore, information on parameters of the life history and health status will also be added to the dataset.

Since the construction of the database was initialised at the end of year 2004, several countries have already included data, both recent and historical. It is our hope that this international cooperation will continue, where researchers share information and spread their knowledge to the general public. New data is always welcome and contact details of where to send this data as well as other information regarding the project can be found at www.balticseaporpoise.org.

Acknowledgement

A special Thank You to all of you who have contributed to the database: Valtis Pilais (Lithua); Carl Kruse (Denmark); Ivar Aasen (Estonia); Hees Kujala (Finland); German Oceanographic Museum (Germany); Gesellschaft zum Schutz der Meeressäuger e.V. (GSM, Germany); The Fishery and Maritime Museum (Denmark); The National Forest and Nature Agency (Denmark); Finnish Ministry of the Environment; Hel Marine Station (University of Oulu); Pajala; Swedish Museum of Natural History; European Institute of Sea (EISA); ASCOBANS; Danish Agency for Nature Conservation, Germany; Dirk Sommerich (Research and Technology Centre Westcoast, Germany); and Kristin Knutson (CREEM, St Andrews). Also a big Thank You to Ina Kujala and Hel Marine Station, University of Oulu for organising the 20th conference of the European Cetacean Society.

FUTURE

Data/ Interactive Map

- ✓ Update database with current data
- ✓ Advance the structure if needed
- ✓ Search for international funding

Thanks to all contributors!



Valdis Pilats, Latvia; Carl Kinze,
Denmark; Ivar Jüssi, Estonia; Heini
Kujala, Finland and Ida Carlén,
Sweden

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