

# ASCOBANS Jastarnia Group 16

## National Progress Report – Germany –

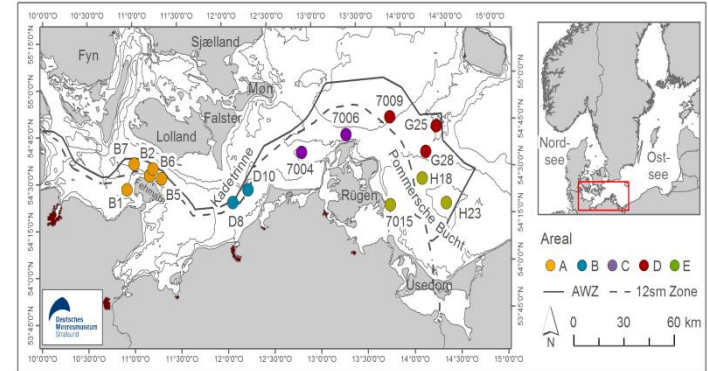
16th Meeting of the ASCOBANS Jastarnia Group,  
08 – 09 June 2020

# Monitoring and assessment of population status

- ▶ Aerial Surveys (Digital + traditional)
- ▶ Acoustic Monitoring

*(Established long term Projects)*

- ▶ Mini SCANS II (Sweden, Denmark, Germany) (June / July 2020)



Online maps on distribution and density (BfN)

<https://www.bfn.de/themen/meeresnaturschutz.html>

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**Areal Surveys:**

<https://geodienste.bfn.de/schweinswalmonitoring?lang=en>

- (per season and year)

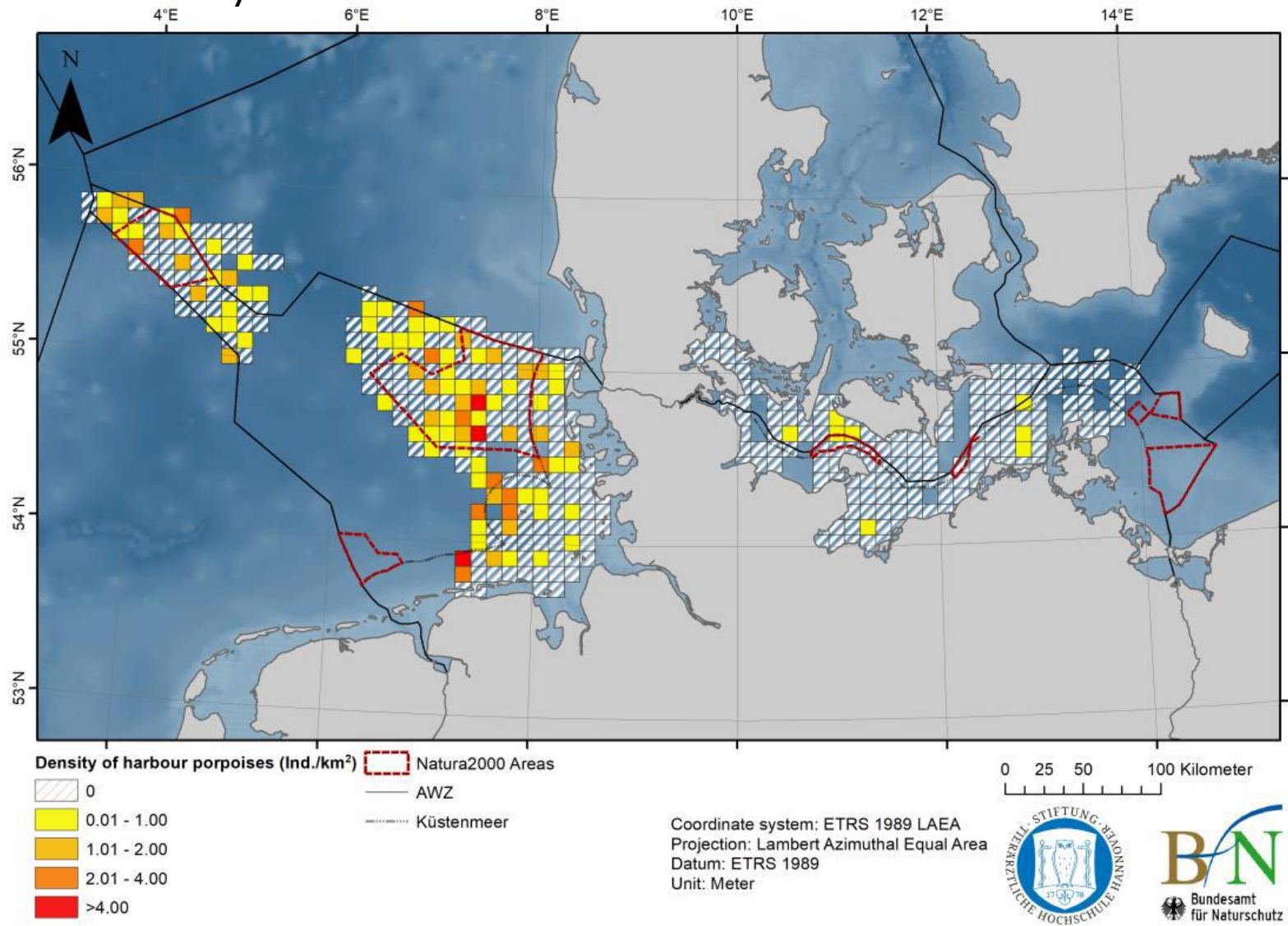
▶ <https://geodienste.bfn.de/schweinswalverbreitung?lang=en>

- (per 3 years)

**Acoustic Monitoring**

▶ <https://geodienste.bfn.de/c-pod?lang=de>

# Areal Survey Summer 2018



Source: Nachtsheim, D. et al. 2019: Monitoring of marine mammals in the German North and Baltic Sea in 2018

## Area Survey Baltic Sea Summer 2018

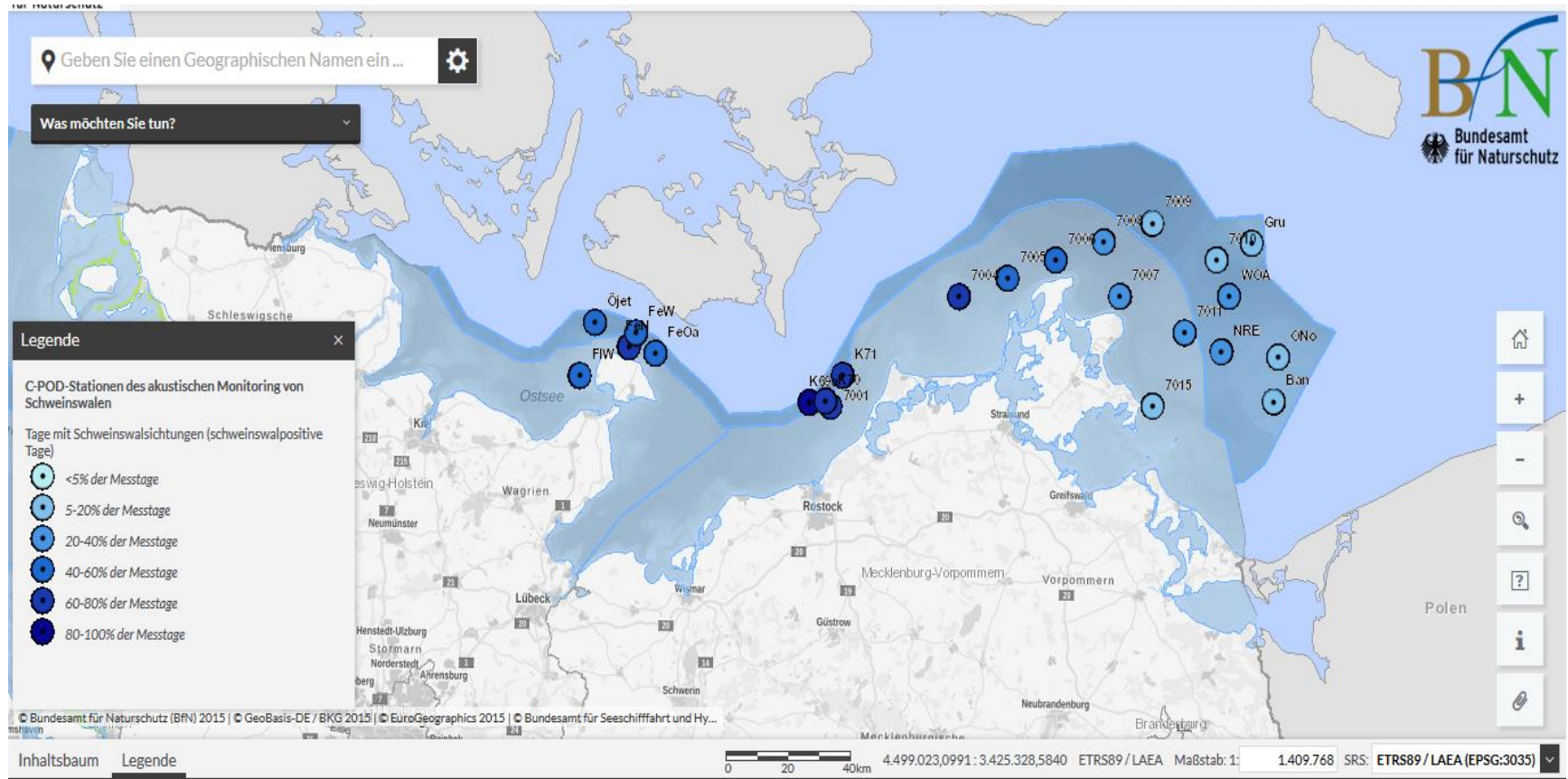
Area	Area size (km <sup>2</sup> )	Abundance (95% CI)	Density (95% CI)
I	3.116	182 (0 – 653)	0.06 (0.00 – 0.21)
J	3.575	388 (115 – 677)	0.11 (0.03 – 0.19)
K	3.141	0 (0 – 0)	0 (0.00 – 0.00)
L	3.005	304 (0 – 1.009)	0.10 (0.00 – 0.34)
M	2.293	0 (0 – 0)	0 (0.00 – 0.00)
<b>Σ surveyed Baltic Sea areas Summer</b>	<b>15.130</b>	<b>874 (265 – 1.765)</b>	<b>0.06 (0.02 – 0.12)</b>

Source: Nachtsheim, D. et al. 2019: Monitoring of marine mammals in the German North and Baltic Sea in 2018



# Acoustic monitoring stations

## Harbour porpoise positiv days

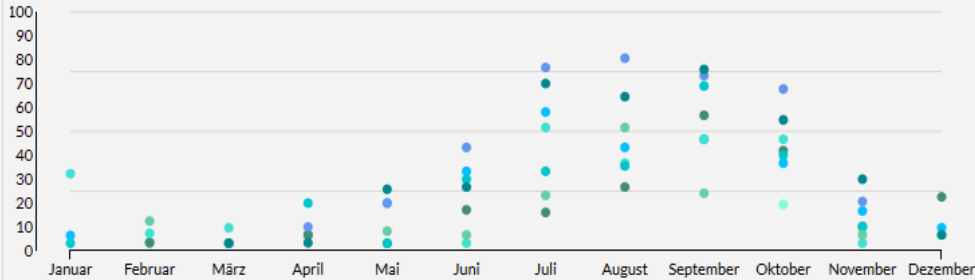


Source: <https://geodienste.bfn.de/c-pod?lang=de>

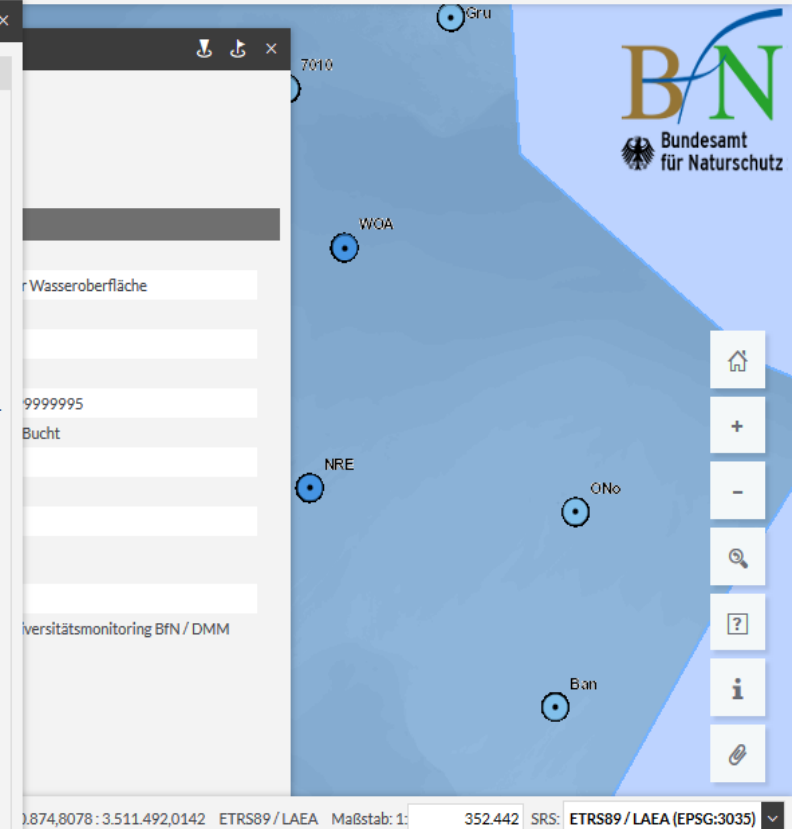
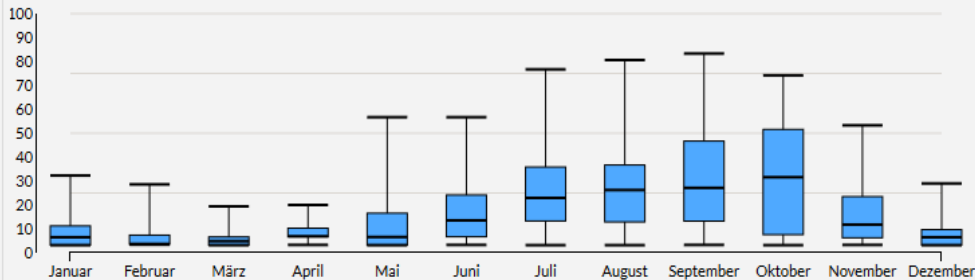
Diagramme

Messdaten Legende und Hinweise

Messdaten der C-POD-Station WOA



Gesamtauswertung für die Region Pommersche Bucht  
(Stationen mit der Nr. 7010, 7011, 7012, 7013, 7014, Ban, Gru, NRE, ONo, WOA)



Source: <https://geodienste.bfn.de/c-pod?lang=de>

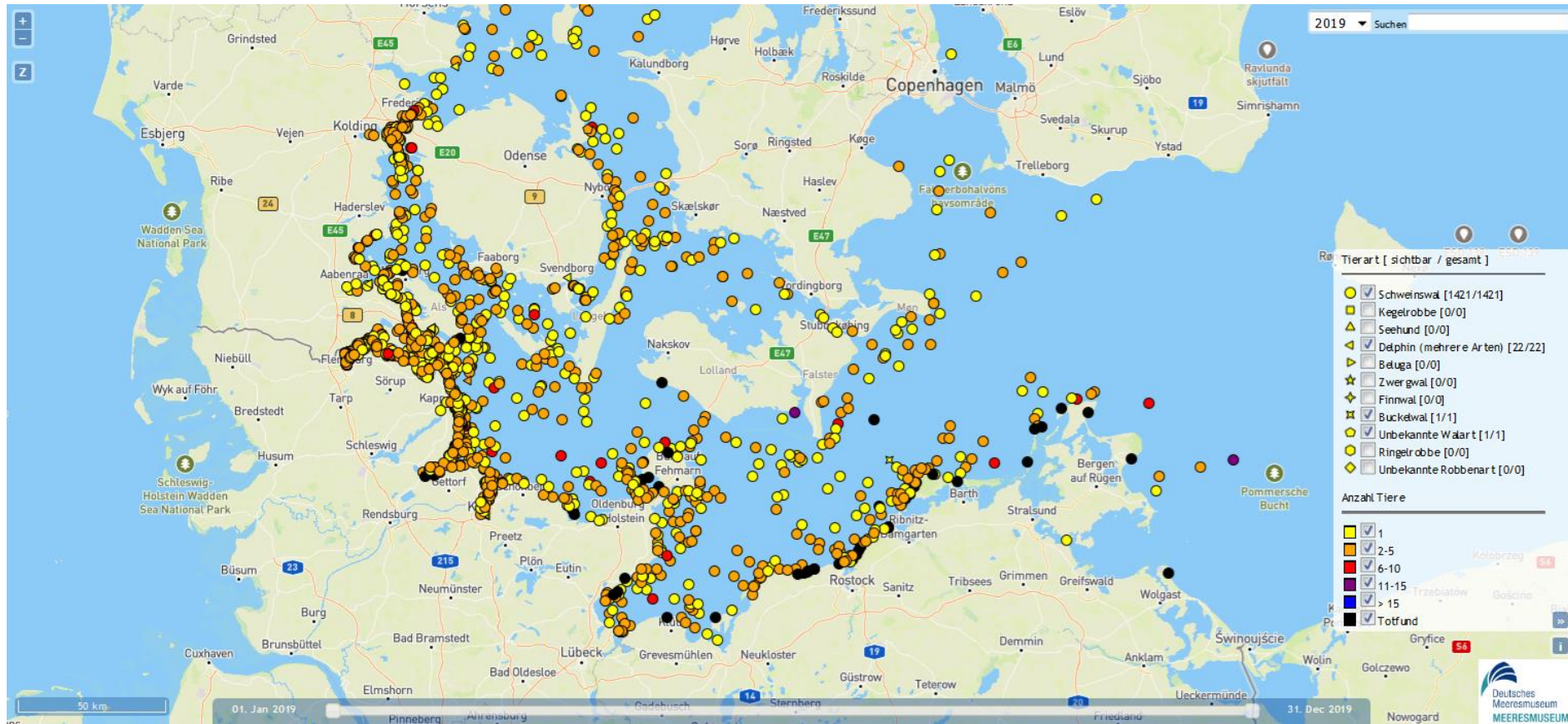
# Incidental Sighting Program:

- ▶ German Oceanographic Museum, Stralsund

- App: OstSeeTiere

- <https://www.deutsches-meeresmuseum.de/wissenschaft/infothek/sichtungskarte/>

# Sightings 2019



Harbour Porpoise: 1.421

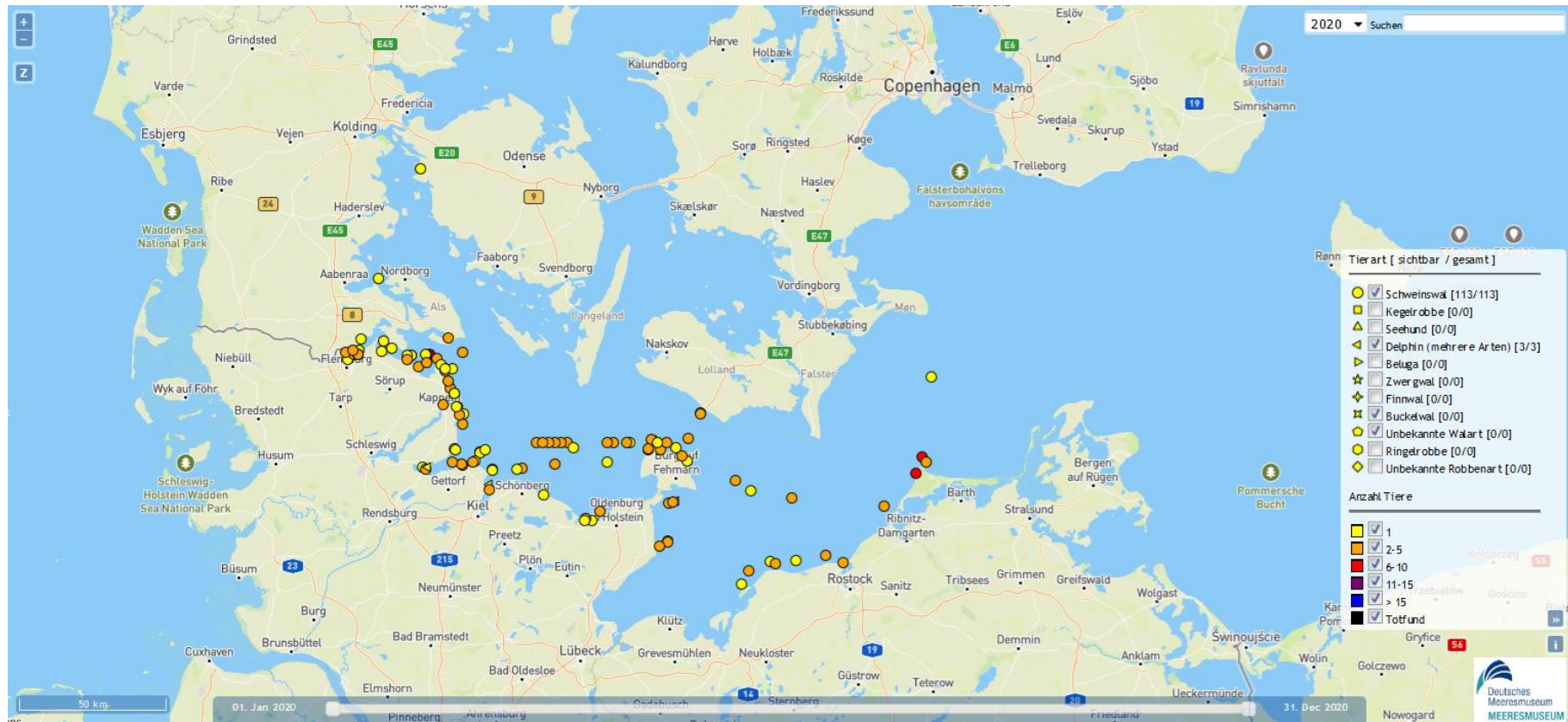
Dolphins (various species): 22

Humpback whale: 1

Unidentified cetacean: 1



# Sightings 2020 (Jan– Mai)



Harbour Porpoise: 113  
Dolphins (various species): 3

## **Monitoring of Strandings:**

Schleswig–Holstein : Terrestrial and Aquatic Wildlife Research (ITAW) Büsum

Mecklenburg – West Pomerania : German Oceanographic Museum, Stralsund

## **Assessment of bycatch and health of harbour porpoises (ITAW)**

- Investigation of mortality rates
- spatial intersection of numbers of the dead found animals with model results of flight survey counts from 2002–2016
- Assessment of health status
- Project till May 2020

# *Monitor and mitigate impact of underwater noise*

## **Upcoming Projects:**

Contribution to: MSFD UZ 6 : Seas not impacted by the introduction of anthropogenic energy

- ▶ UZ6–01: Development and application of biological limit values for the impact of underwater noise
- ▶ UZ6–04: Development and application of noise mitigation measures for the North and Baltic Seas

# *Monitor, estimate and reduce bycatch*

## 1. Project “STELLA”

“Development of alternative management approaches and fishing gear and techniques towards minimizing conflicts in gill net fisheries and conservation objectives and subjects of protection in the EEZ of the Baltic Sea”

- ▶ Results presented under Agenda Point 3.8

## 2. PAL (Porpoise Alerting Devices) Monitoring Project

- ▶ planning phase
- ▶ Project funds requested
- ▶ Planned start: 2021 (3 years project)