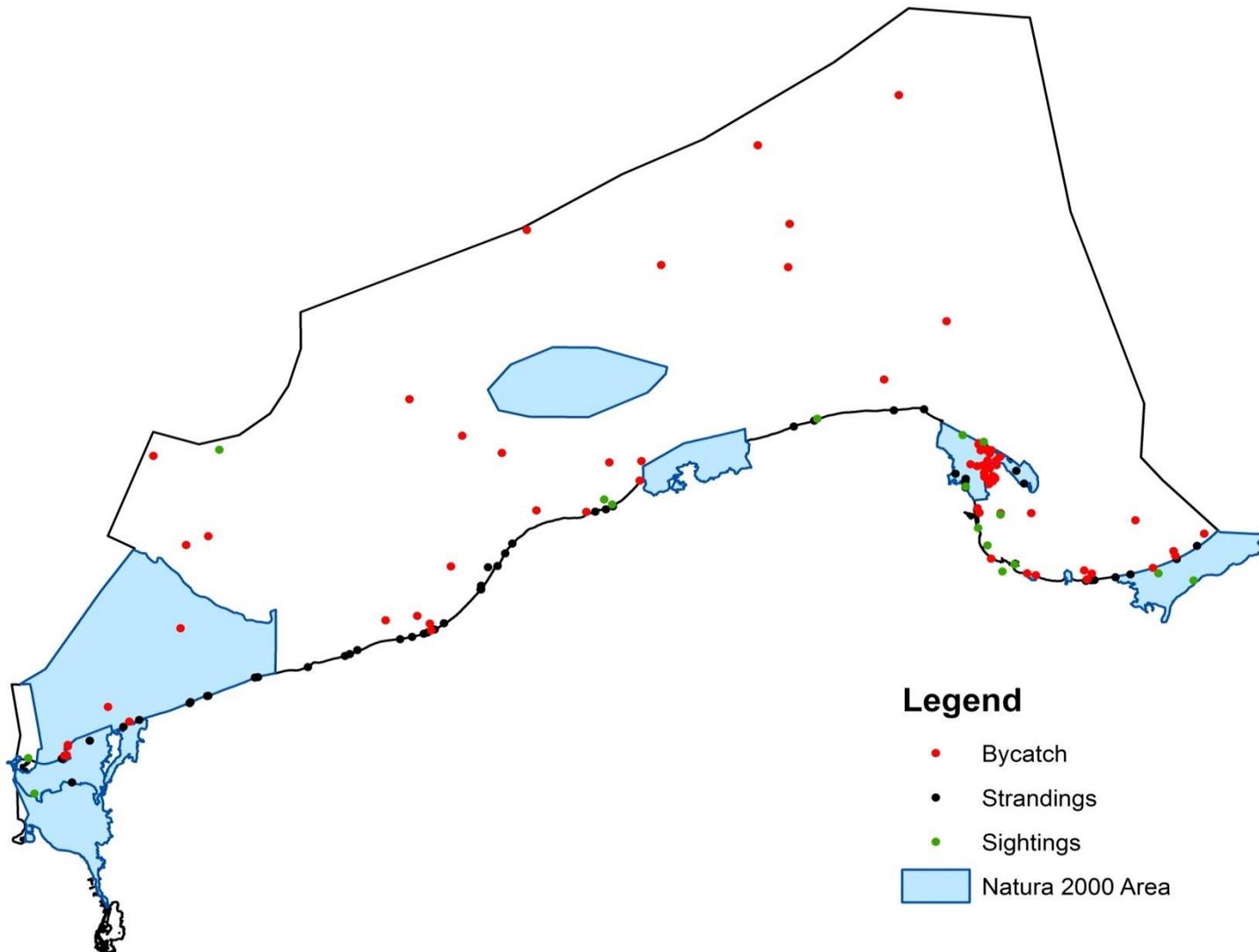


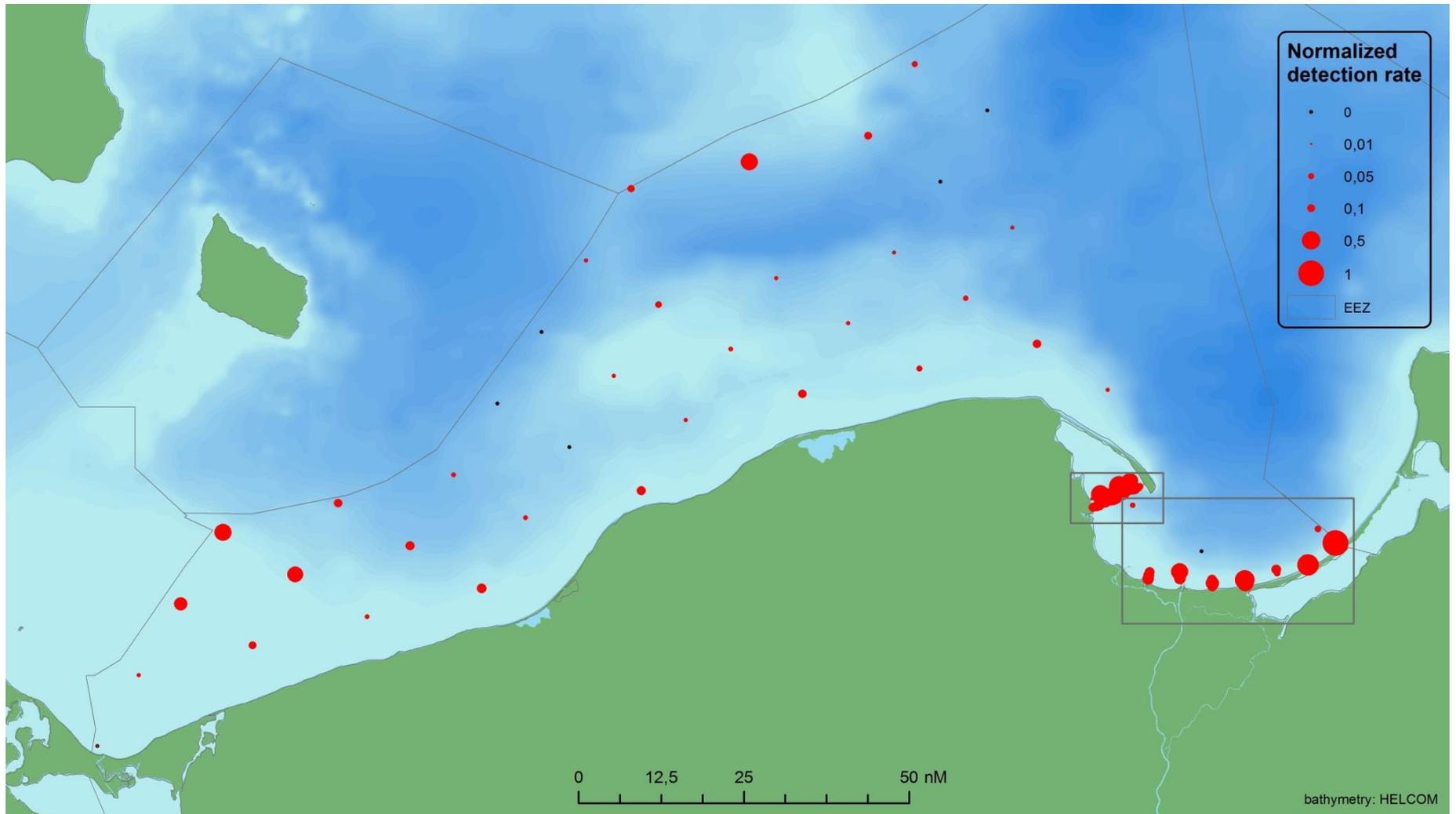
# POLAND Jastarnia Plan 2017/2018

- pilot project on monitoring marine species and habitats in 2 areas (2015-2018)
- collecting stranded animals (11 carcasses in 2017, Blue Patrol)
- education and outreach (events and on-going activities)
- static acoustic research of harbour porpoises occurrence in Poland

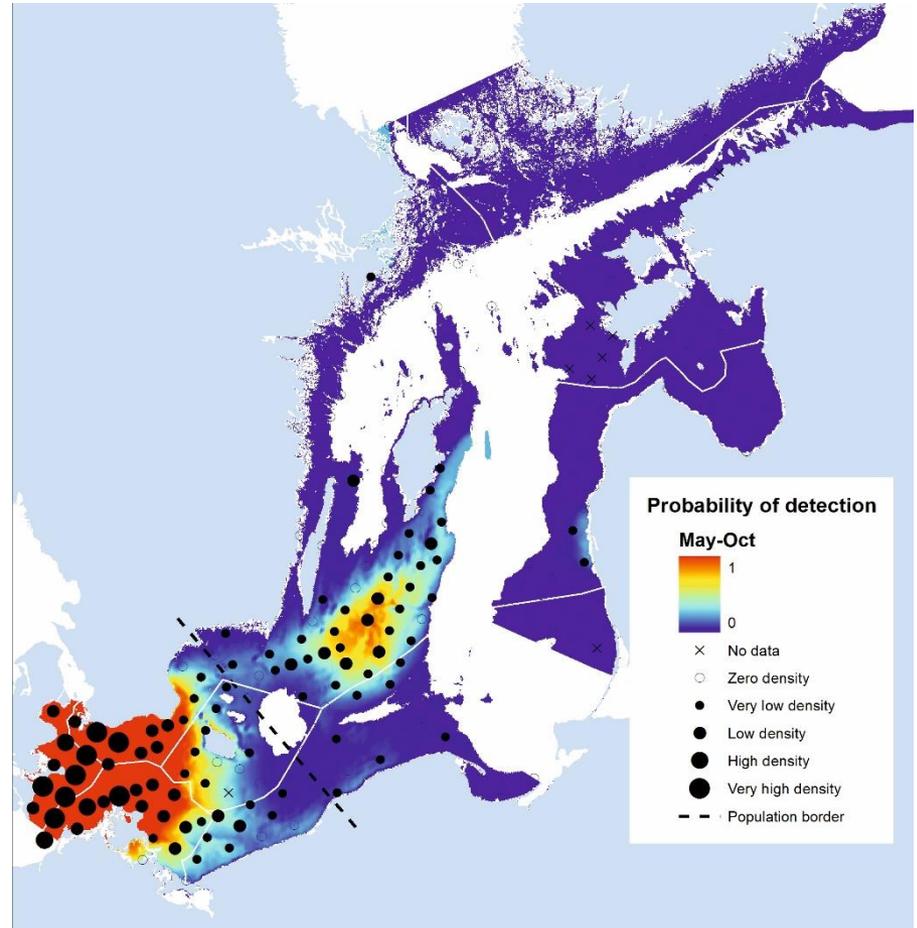
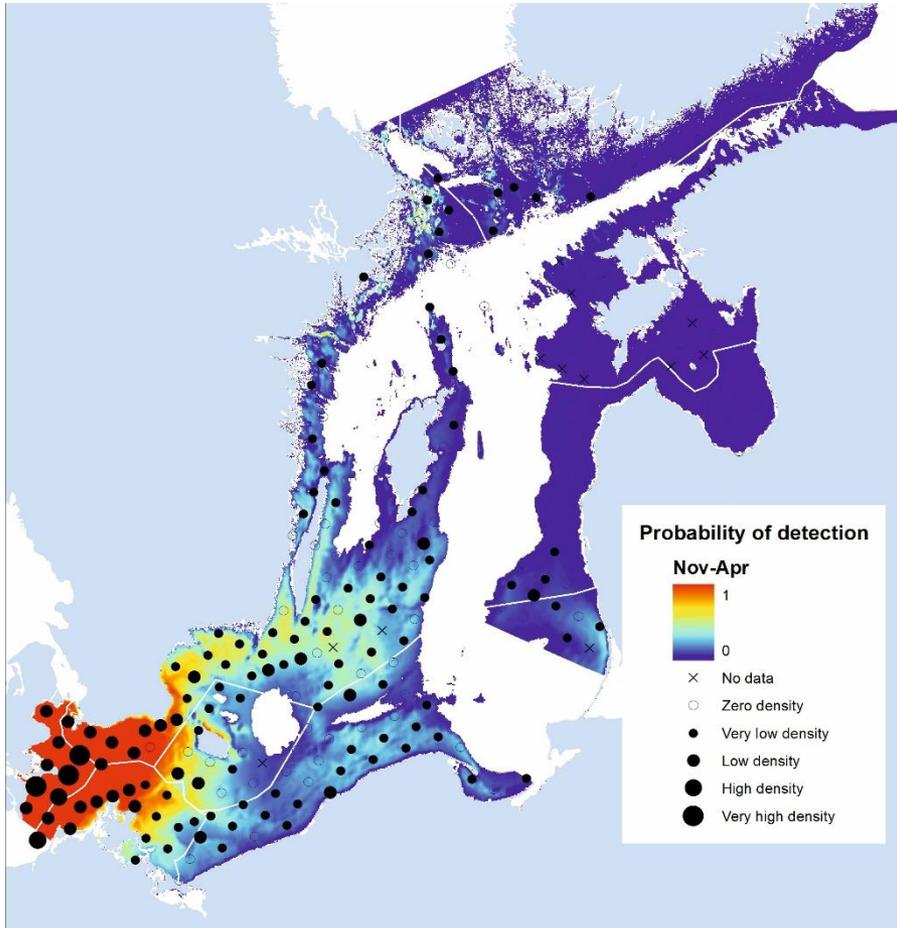
# Occasional voluntary reports on harbour porpoises in Polish EEZ in years 1986 - 2015



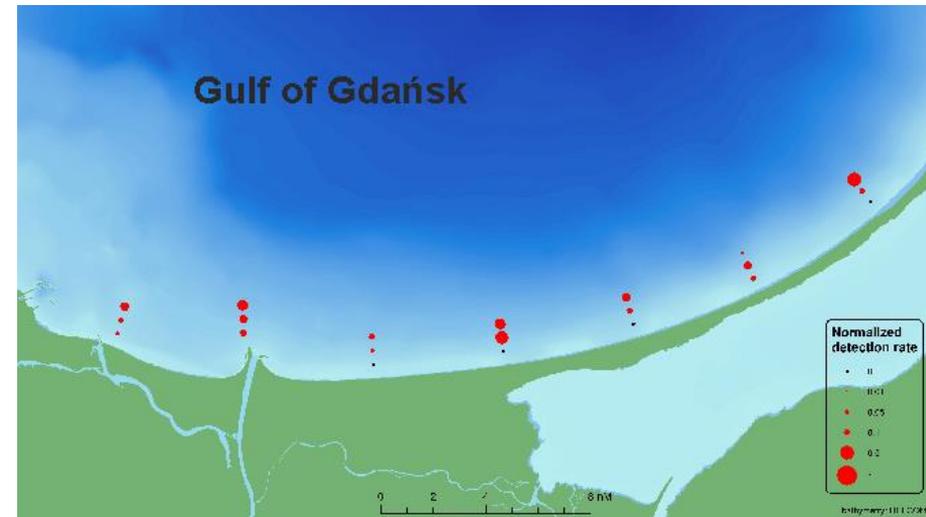
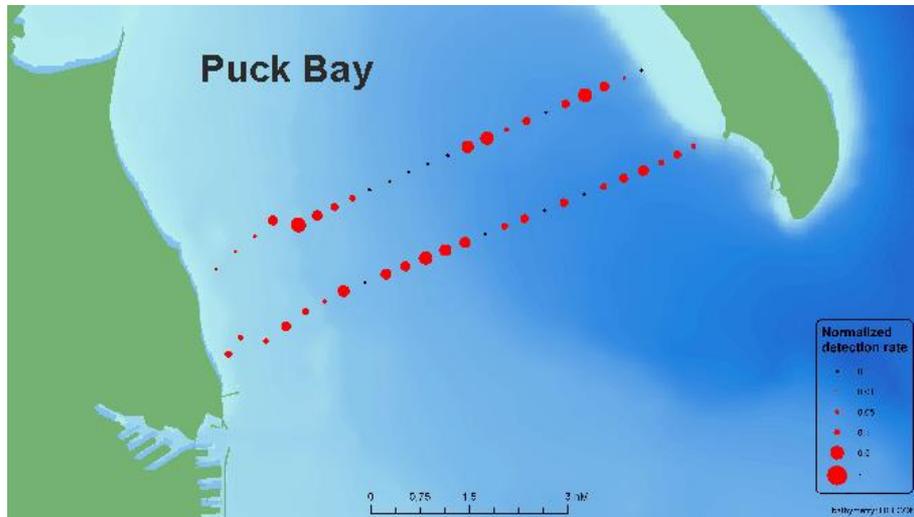
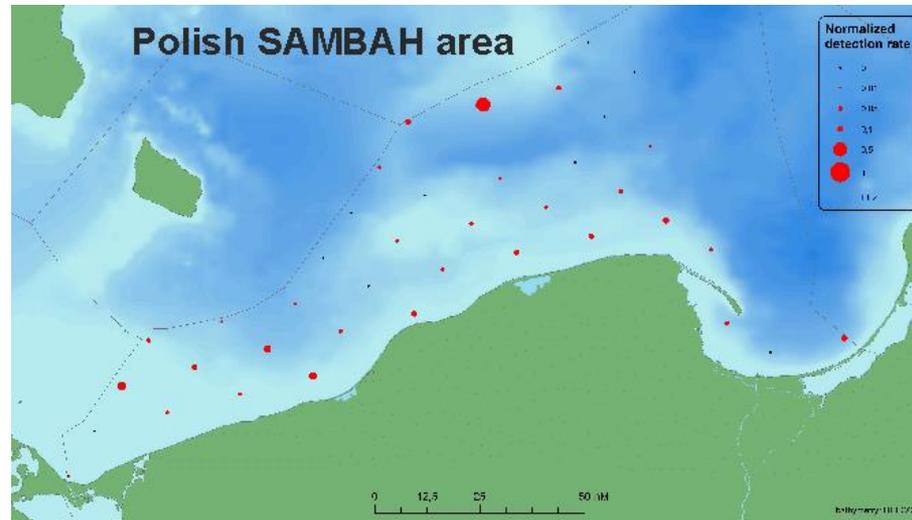
Results of SAM projects carried out in Polish Baltic waters: in Puck Bay (2009 - 2011), SAMBAH (from 2011 to 2013), and in southern part of Gulf of Gdańsk (2013 - 2014). PPM were calculated for a period of deployment in each location.



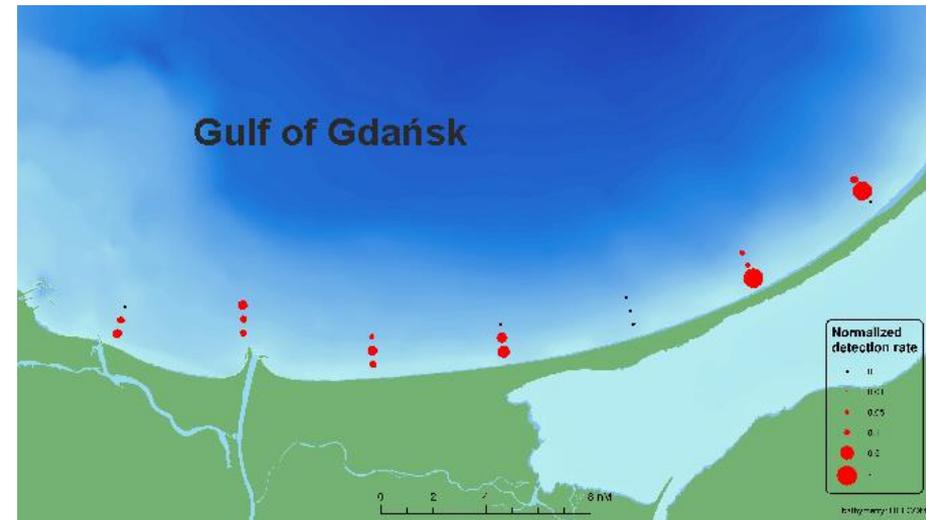
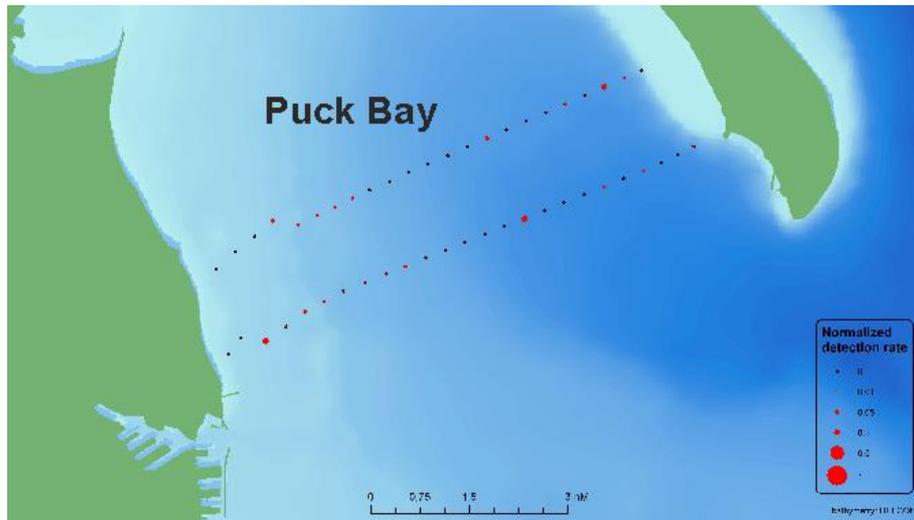
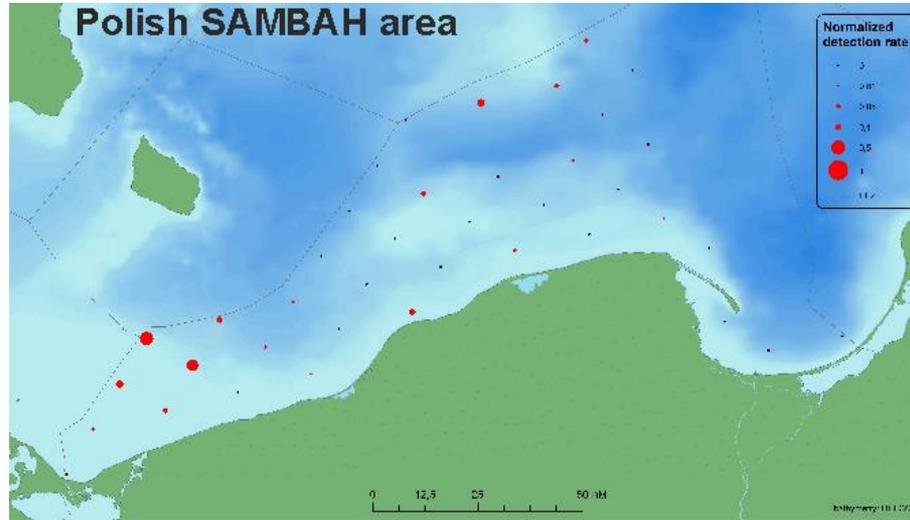
# Seasonal changes in harbour porpoise population density. Detection probability maps modeled on the basis of SAMBAH years 2011 -2013



# Detection rates (PPM) - cold period (November to April)



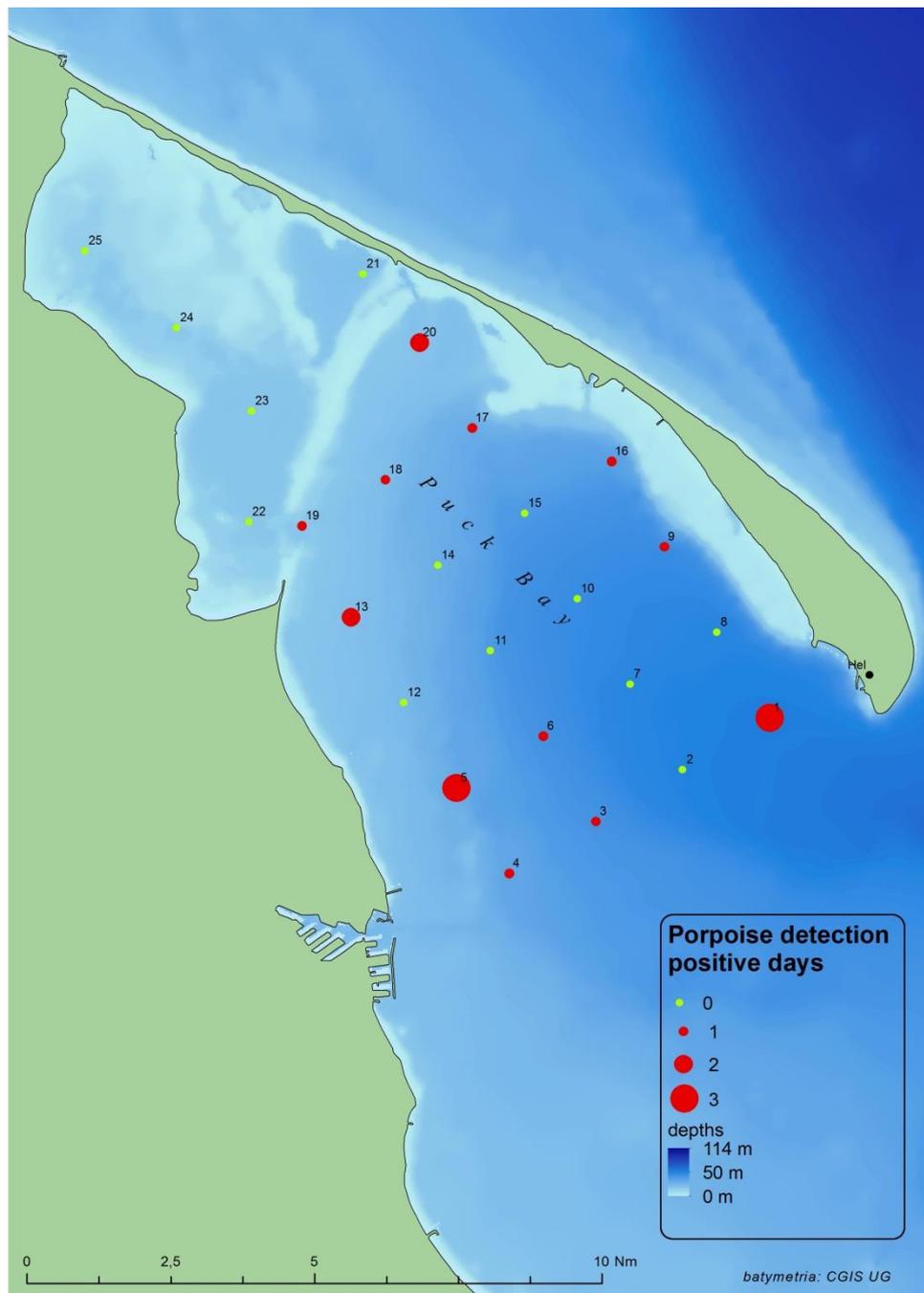
# Detection rates (PPM)- warm period (May to October)



## Puck Bay monitoring 2017-2018

First CPOD data obtained  
CPODs deployed in 25 stations in the entire area at the end of September were recovered at different dates in December, January and February.

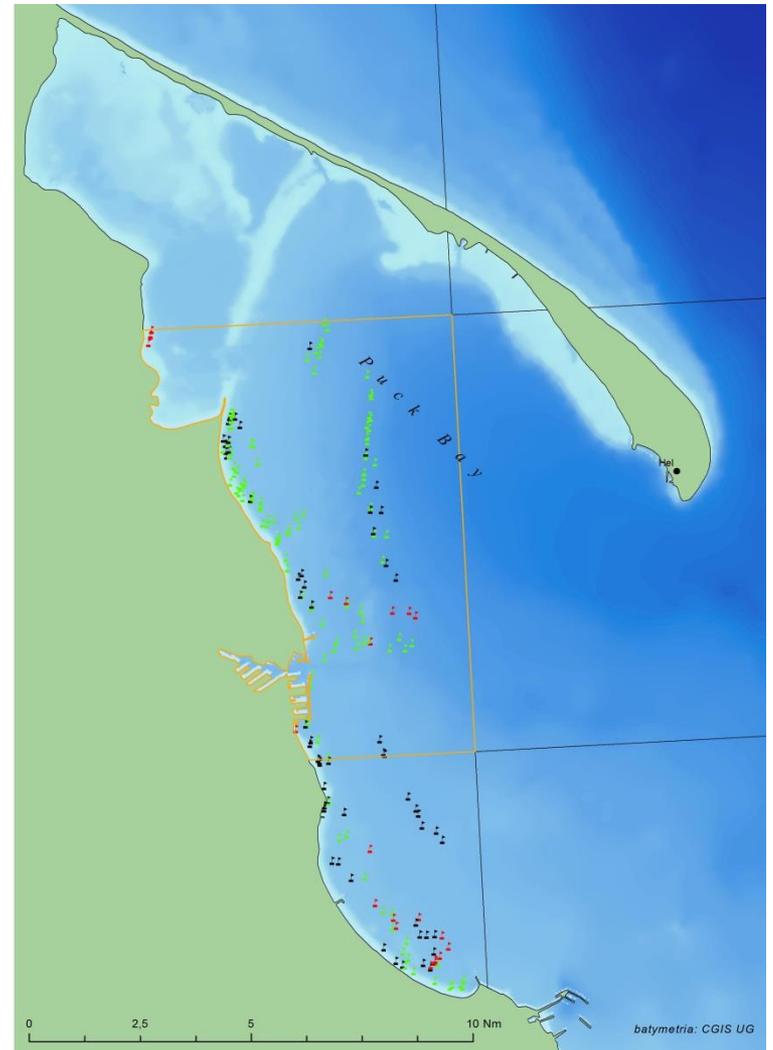
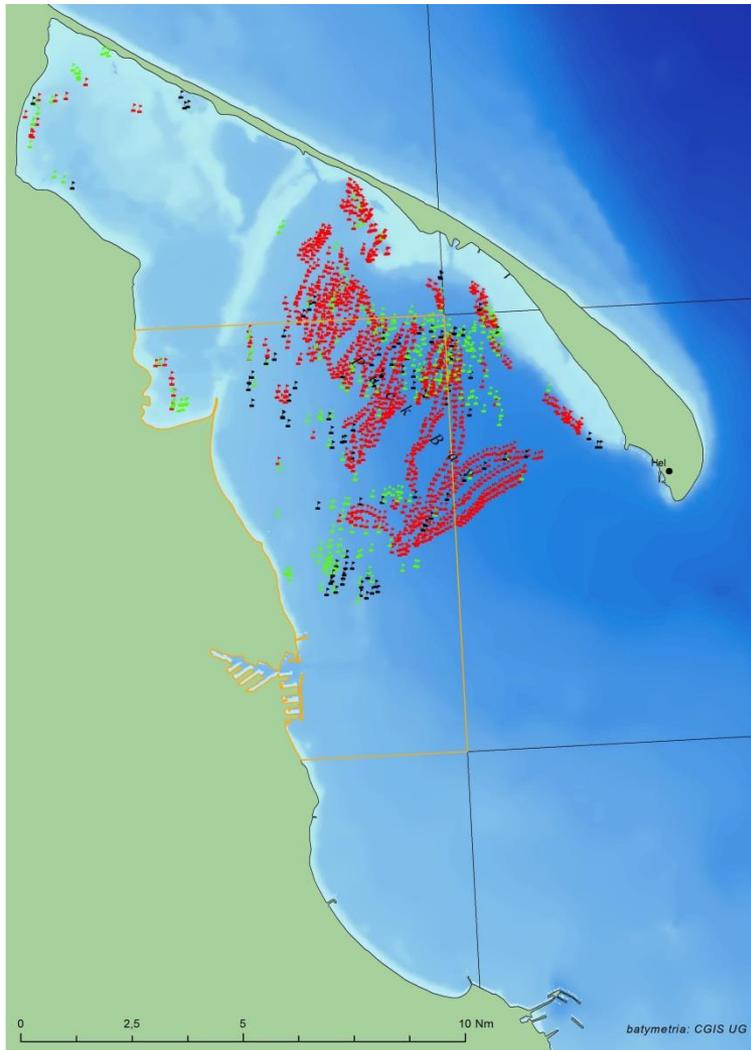
Detection dates:  
October 7,  
November 20,28,29,30  
December 1,2,3  
January 18,19,20



# Changes in fishing effort in Puck Bay – number and distribution of nets

October 2009 – 1251 net markers (674 in R5)

October 2017 -195 markers (138 in R5)

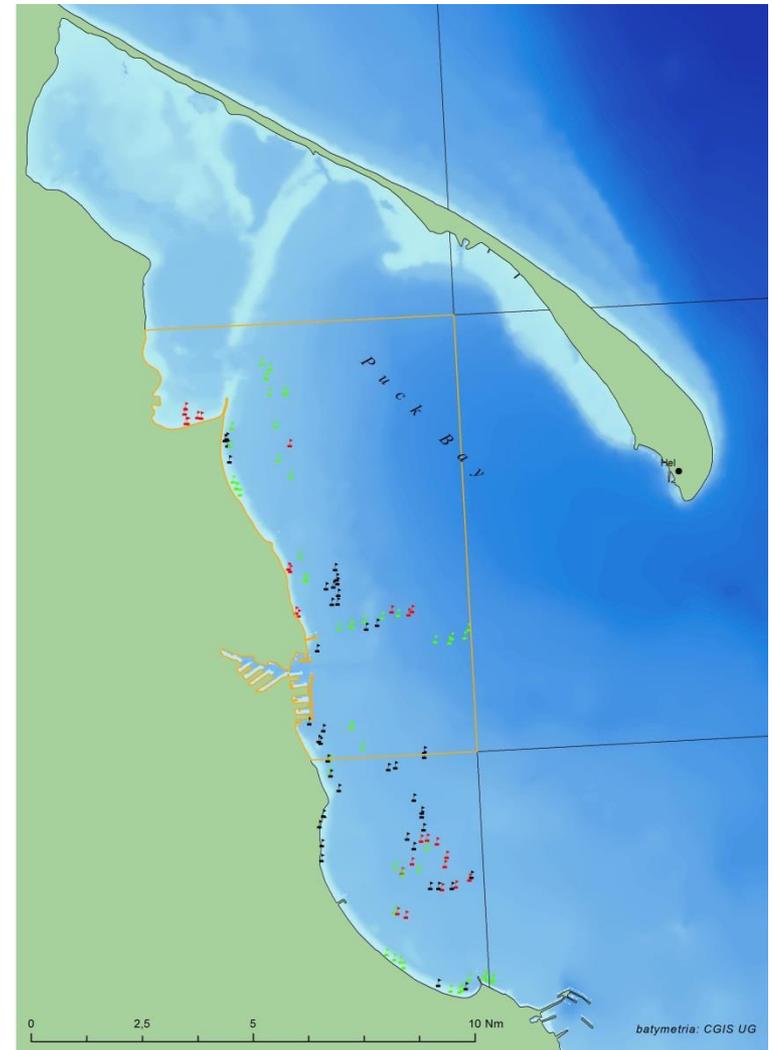
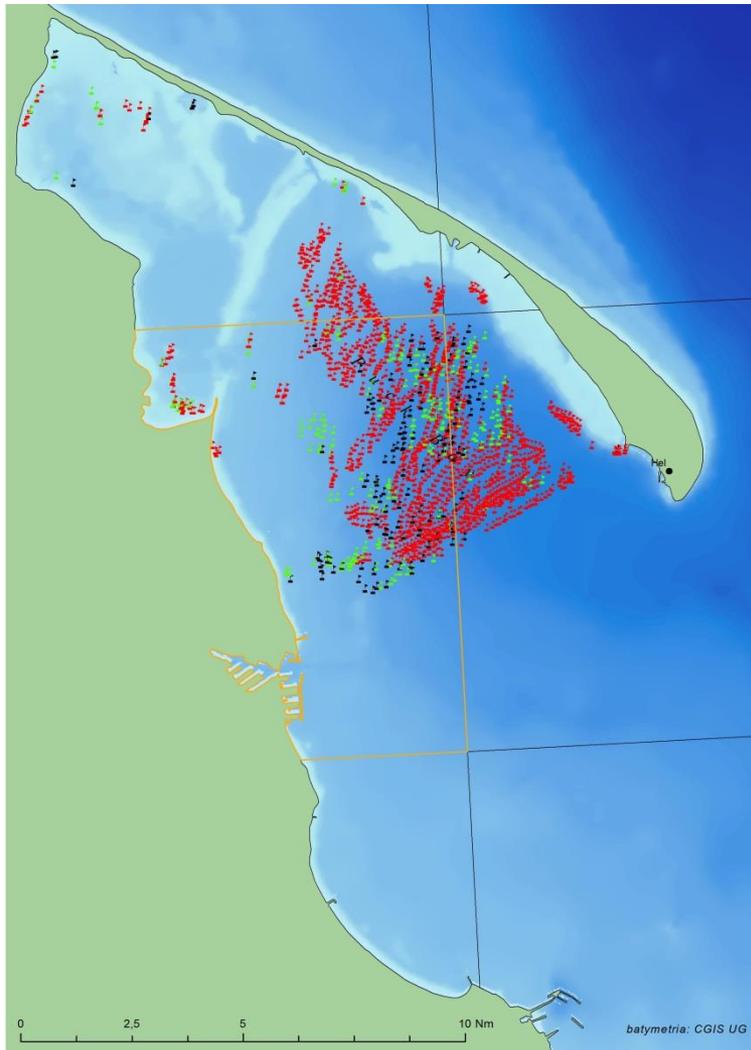


n black - bottom sets    n red - surface sets    n other - improperly marked, mainly bottom sets    square R5

# Changes in fishing effort in Puck Bay - number and distribution of nets

November 2009 – 1321 markers (728 in R5)

November 2017 -120 markers (69 in R5)

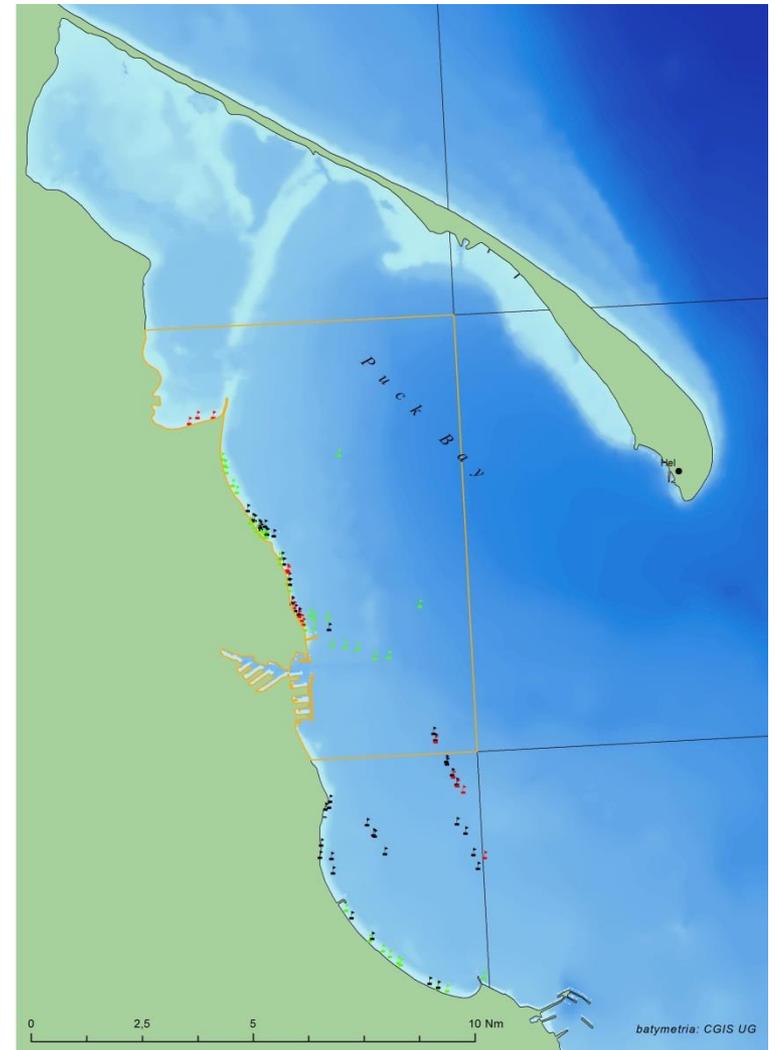
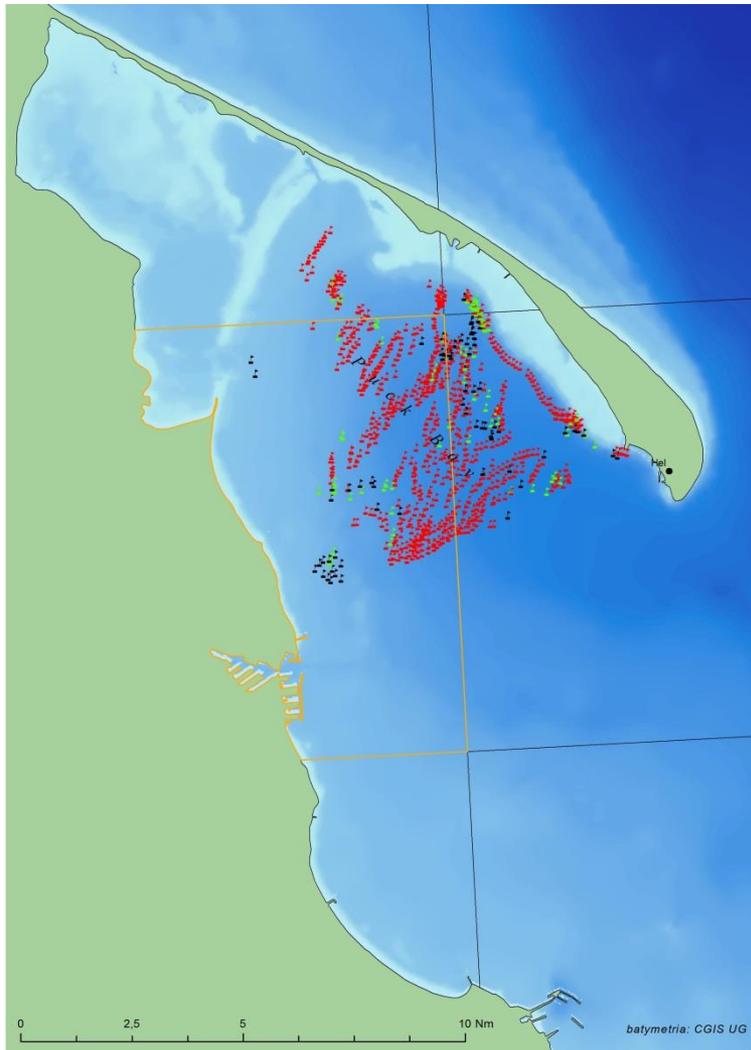


n    black - bottom sets    n    red - surface sets    n    other - improperly marked, mainly bottom sets    square R5

# Changes in fishing effort in Puck Bay - number and distribution of nets

December 2009 – 718 markers (352 in R5)

December 2017 - 99 markers (63 in R5)



n    black - bottom sets    n    red - surface sets    n    other - improperly marked, mainly bottom sets    square R5

	Number of fishing gears used in Puck Bay		
	GNS, GND, GTR	LLS, LLD	Trap nets FPO
2004	493218	1324530	37746
2005	429082	1168108	40028
2006	338206	630325	54052
2007	270961	1155300	34197
2008	232897	650300	36741
<b>2009</b>	<b>278 884</b>	<b>661 300</b>	<b>36438</b>
2010	320907	677650	23110
2011	267925	363766	12284
2012	319215	563300	6362
2013	376091	531046	16477
2014	449408	527812	23797
2015	348546	765850	33984
2016	199031	708400	39281
<b>2017</b>	<b>161 202</b>	<b>417 550</b>	<b>56044</b>

data after Centre of Fishery Monitoring

<b>Years</b>	<b>Boats number</b>
2004	140
2005	121
2006	104
2007	93
2008	97
<b>2009</b>	<b>95</b>
2010	89
2011	100
2012	125
2013	108
2014	145
2015	134
2016	111
<b>2017</b>	<b>112</b>