

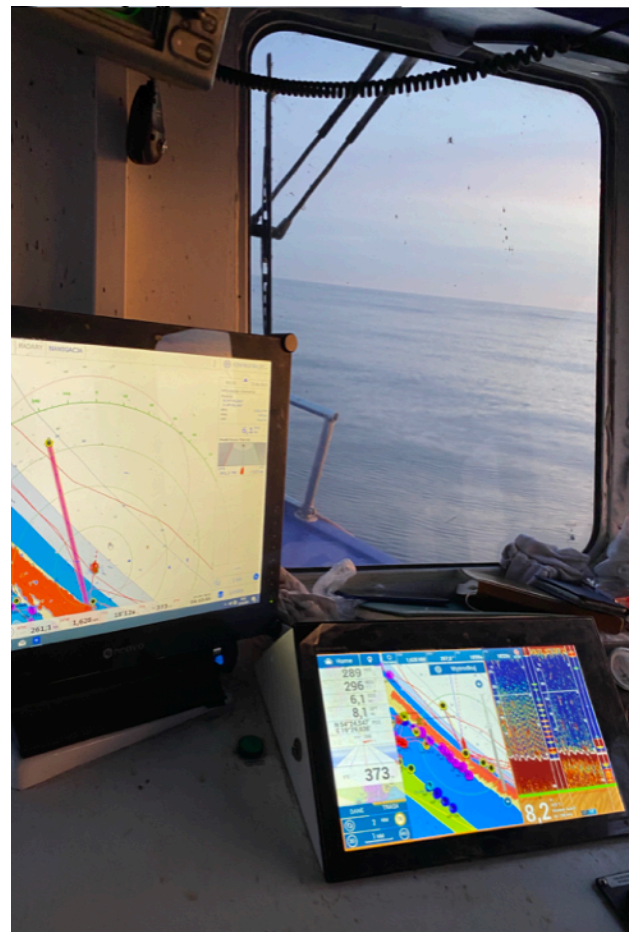
Photographic Survey

Krynica Morska

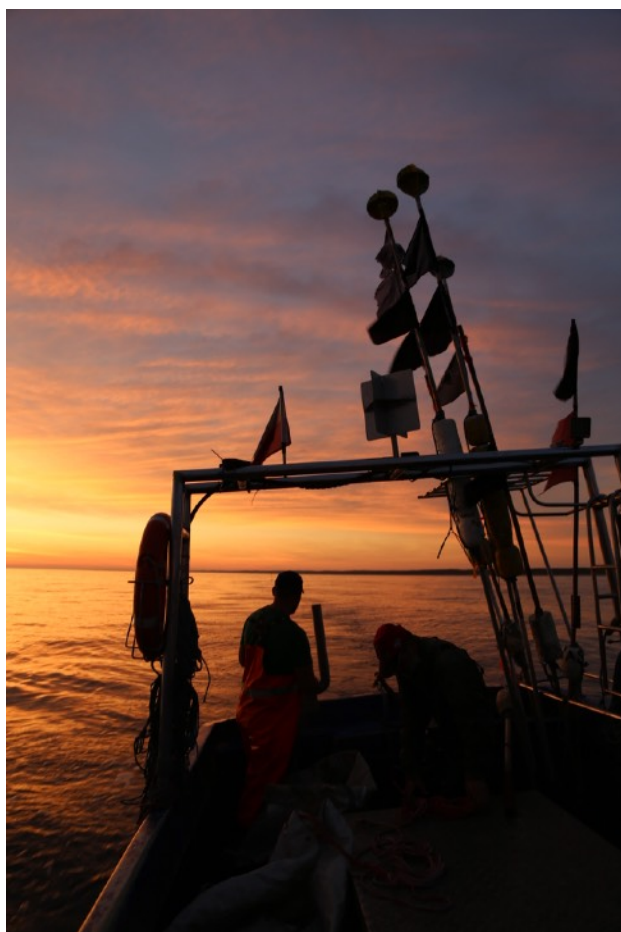
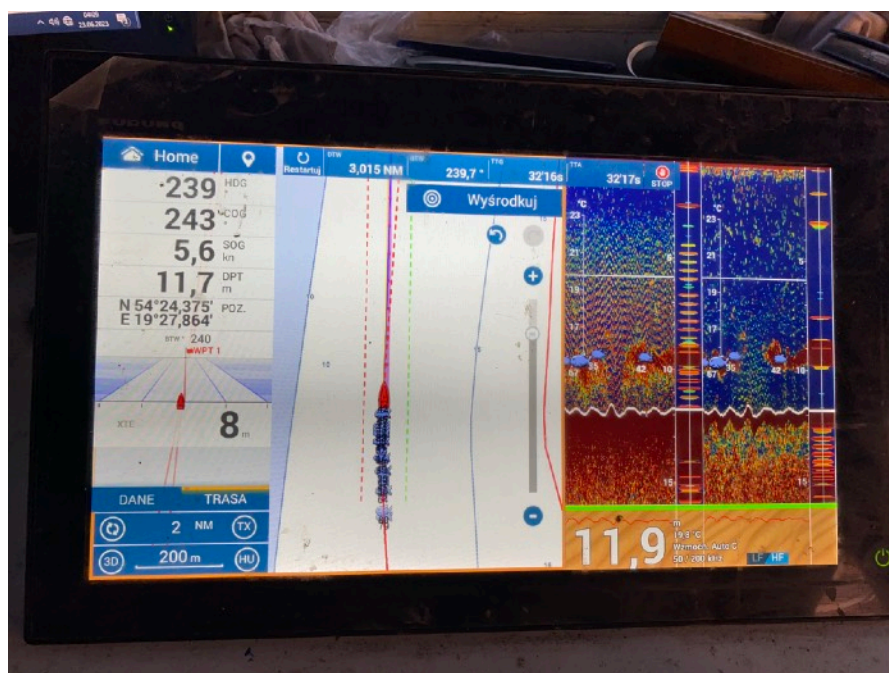
23.06.2023



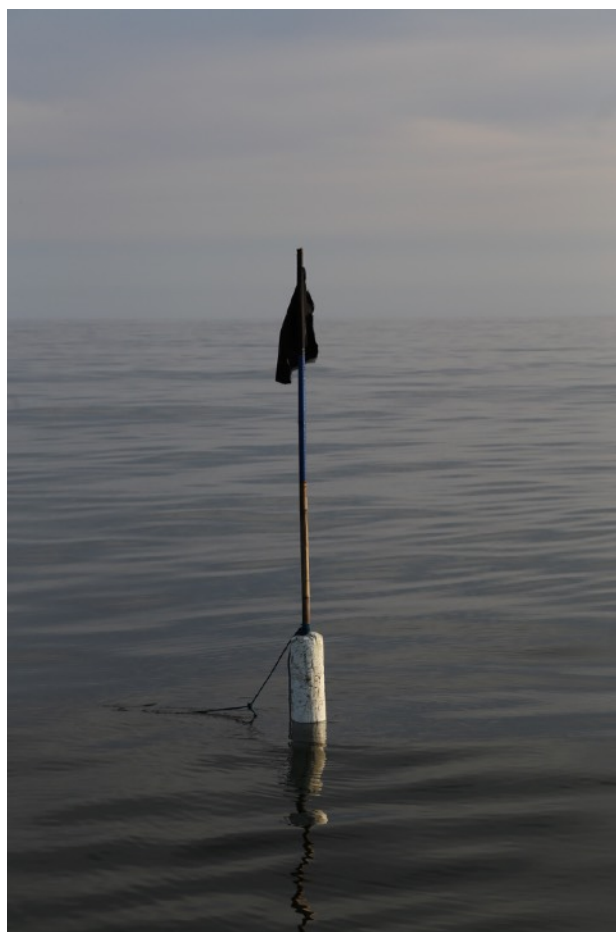
1. 12m boat docked up on the beach, before a fishing trip.
2. Fishermen pulling and attaching steel rod to the boat in order to drag it out the sea.
3. Inside the skippers cockpit sonar measuring distance and monitoring fish movement below the surface.



4. Closer look at sonar measuring distance, depth, location and monitoring fish movement below the surface.



5. Fishermen standing by the stern of the boat readying themselves to throw out gill nets.



6. Submerged gill net, attached to a marker buoy with black flag signalling the presence of the net.



7. After the fresh nets are distributed, overnight nets are pulled back up with flounder and turbot.



8. Turbot entangled in net. The mesh size is wide enough for other smaller fish to pass through.



9. Turbot (top) and flounder (bottom) entangled in net.

10. The turbot is being pulled up using a troller, to improve efficiency.



11. Once on board the fish is untangled and sorted, by species and size.



12. Due to their hardy nature all flatfish on board are still alive. With this in mind, smaller individuals unfit for human consumption were thrown overboard.





13. Three fishermen worked for over 6 hours untangling the fish.



14. The flatfish were relatively spread out over the nets. In total more than 80 nets were removed, with varying size reaching 1000m.



15. Wider view of the boat and fishermen. The sea was particularly calm, fishermen were operating within the Polish exclusive economic zone (EEZ) close to the shore.



16. Turbot that escaped the net was promptly placed inside crates.



17. Flatfish slowly filling up each crate, divided by size and species. The smallest ones were thrown overboard.



18. Please refer to comment 17 for context.

19. Crate of flounder. The main targeted species by the fishermen. They were most numerous in number.



20. Crate of turbot. These were caught as bycatch in lower amounts and are considered a more expensive fish.



21. Nets that were removed and emptied were placed in big plastic bags for future usage.





22. Please refer to comment 15 for context.



23. Upon reaching land a number of local restaurant owners, other fishermen and individuals waited to purchase the fish.

Darlowo

28-30.06.2023



24. Large fishing shed and processing station in Darlowo.



25. Fishing boats of various size docked in the port.



26. Sign attached to fishing boat translating to; "The cod protection size is 38 cm, and the catch limit is 7 pieces. The owner and crew of the motor yacht 'BOMiK' are not responsible for exceeding the catch limit." Referring to the anger touring fishermen take onboard to diversify their business.

27. Fishing boats of various size docked in the port. The entire port was empty with only a handful of boats leaving the bay, during the duration of the principles investigators stay.





28. Fishing boat selling “freshly caught fish straight from the cutter.”



29. Additional contact information in the form of telephone numbers, website and Facebook page is provided.



30. In the fish market located in the port, (picture 28 and 29) fishing boat's catch is presented in freezers. Among the fish sold there were flounder, salmon, cod filets. Although not confirmed the salmon and cod have likely been purchased from a different distributor and resold. Alternatively the cod can be caught to certain extent as bycatch.



31. One of the few cutters unloading their gill nets.



32. Frozen fish sold in the Darłowo fish market. Flounder is cheapest fish 12zł per kg, Cod 35 zł per kg, Turbot 45 zł per kg, Zander 50 zł per kg and lastly salmon 70 zł per kg. Salmon and Cod have likely been purchased from a different distributor and resold (*this is not confirmed*). Alternatively cod was caught as bycatch.



Świnoujście 7-9.08.2023

33. Fishing Port in Świnoujście, with a range of fishing units. ŚWI-57 classifies as a supercutter.

34. Many Fishermen in the Port have a storage unit in front of their docking space. As with other parts of Poland the port was quiet with very few fishermen working during the principle investigators stay.



35. The fishing port from a different angle, with more supercutters.



36. Please refer to comment 15 for context.





37. Świnoujście fish market made up of one single van.



38. There we inly four fish on sale inside from the truck. With the seller noting how they are waiting a few days now for new fish to be delivered.



39. Cutter in Świnoujście with pelagic trawls fishing gear.



40. Supercutter in Świnoujście with pelagic trawls fishing gear on a much larger scale.

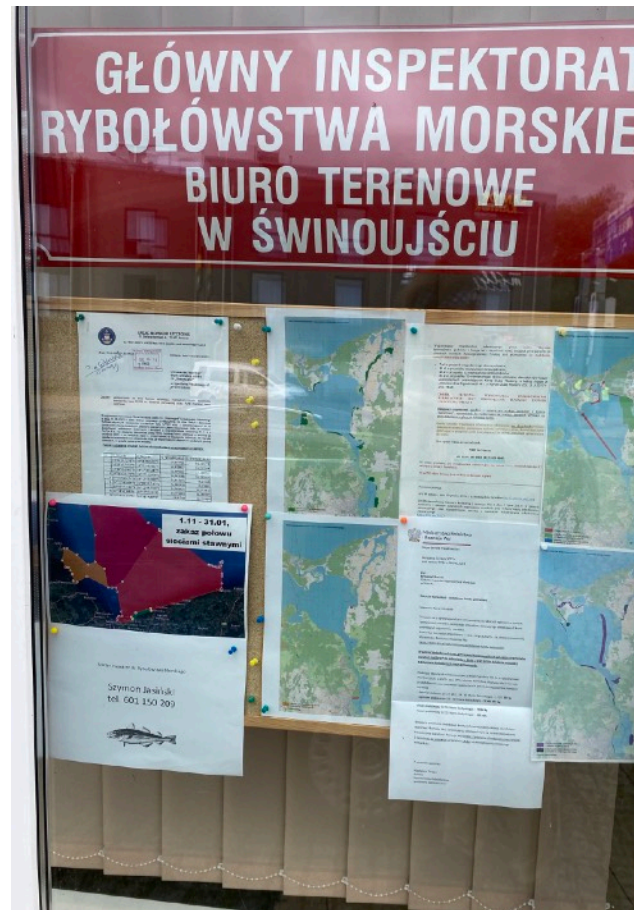


41. Fishing boats in Świnoujście.



42. Inside a storage unit in Świnoujście filled with nets and crates.

43. Notice signs of the inspectorate located outside the port. Notably on the bottom left a notice inform fishermen on of using certain fishing gear, with cod bycatch in mind.



Wolin

10.08.2023



44. Fishing boat in Wolin located on the Strange River.



45. Please refer to comment 44 for context.

46. Main fishing harbour in Wolin. It is small, with a dozen fishing boats that use gill nets. Most fishing occurs in the Szczecin Lagoon and along the Strange River.



47. Please refer to comment 46 for context.



48. Please refer to comment 46 for context.



49. Please refer to comment 46 for context.



50. Please refer to comment 44 for context.



51. Please refer to comment 44 for context.

Miedzyzdroje
10.08.2023

52. Fishing boat in Miedzyzdroje located on the beach.



53. Please refer to comment 52 for context.





54. More Fishing boats in Miedzyzdroje located on the beach. The town has a total of three operating units left.



55. MIZ-30 is a restaurant located on the beach next to the boats. The restaurant is owned by the fishermen and has become their primary source of selling their catch and earning money with no fish market available.



56. Please refer to comment 55 for context.

57. MIZ-30 is a restaurant also has smoked fish skewers for people to purchase fish as a takeout



Ustka

01-02.09.2023



58. Cutters in Ustka Port.
Although it was a rain day
the fishing port was
almost completely empty
with only two vessels
operating that day.



59. Cutters in Ustka Port.
Although it was a rain day
the fishing port was
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60. Please refer to comment
55 for context.



61. Supercutters in Ustka
Port.



62. At the back Supercutters in Ustka Port, like owned by the same individual/ company due to their identical colour markings. At the from sailing boats slowly taking up more space in the port.



63. Some boats and cutters in the port had FOR SALE signs.

64. Fish market located in the port, with one vendor selling fish during the principles investigators visit.



65. Other fishermen sell their catch directly from their boat, providing contact information to gain costumers.



66. Fish store in town owned by a fisherman with a notice sign saying that they are closed.



67. Fishermen are also selling their catch from vans.





68. Throughout town in many location engraved tiles showcase Cod. The fish that built Ustka's economy in the past.

Sopot

05.09.2023

69. Fishing boats in Sopot located on the beach.



70. Fishing boats in Sopot located on the beach. These boats have become a tourist attraction with many people stopping to take pictures with them.





71. The fish market in Sopot serves also as a restaurant and a museum of the fisheries industry in the Baltic Sea.



72. Please refer to comment 71 for context.



73. Please refer to comment 71 for context.



74. Near the boats seagulls and cormorants are always gathered.



75. Fishermen selling flounder. Interestingly the size of flounder was particularly small, with fishermen in comments 1-23 releasing such them back to sea deepening them unfit for human consumption.

Łeba

03-04.10.2023

76. Cutters and boats in Łeba Port. The fishing port was almost completely empty.



77. Please refer to comment
76 for context.



78. Small fish market in
Ustka port.



79. Please refer to comment
78 for context.





80. Among the fish sold in the market there were flounder, salmon and cod. The cod can be caught to certain extent as bycatch.



81. More venders in Ustka selling full meals, they were closed during the principle investigators visit.



82. Some boats advertised trips for tourists interested in angler fishing.



83. Fish restaurant in Ustka, it was closed during the principle investigators visit.

Gdynia

06.10.2023

84. Fishing boats in Gdynia Orłowo beach. There were many seagulls present.

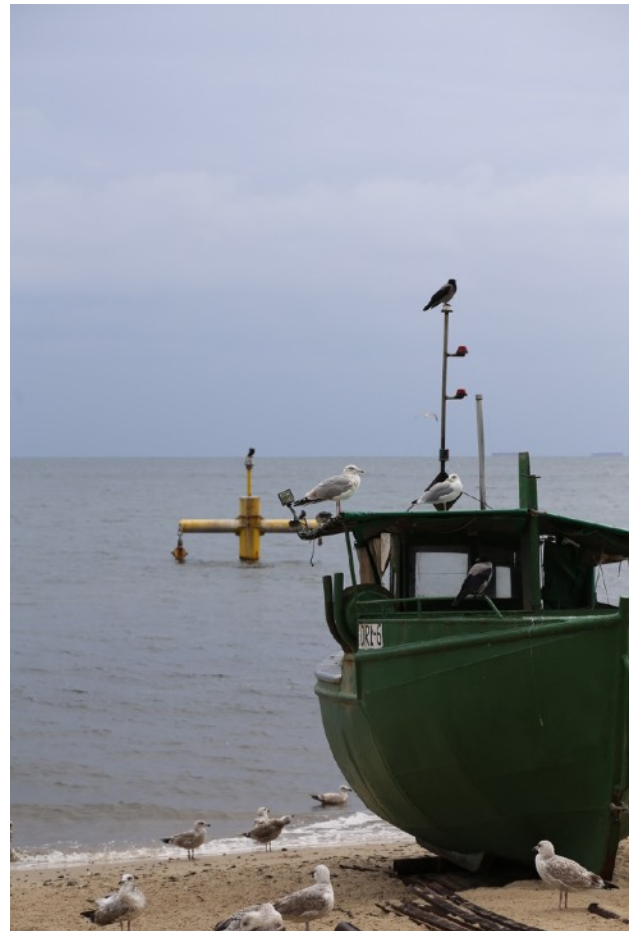


85. Fishing boat in Gdynia Orłowo beach.





86. Fishermen's catch was sold either at small fish venders pictured above or a resultant.



87. Please refer to comment 85 for context.



88. Fishermen's catch was sold either at small fish venders or a resultant pictured on the left that is directly located next to the fishing boats, proving an attraction for tourists.



89. Fishing gear located next to the restaurant Smażalnia Ryb.



90. Menu of the restaurant, interestingly most of the fish sold are not caught by the fishermen for example; cod, been, sprat, calamari.



Władysławowo
06.10.2023

91. Supercutters in Władysławowo Port. Although it was a rain day the fishing port was almost completely empty with only one vessel operating that day.



92. More Supercutters in Władysławowo Port. The three pictured on the left are likely owned by the same person/company due to the uniform colour markings and dolphin logo.



93. Wider view of all the supercutters in Władysławowo Port. Due to its close proximity to the deeper basins of the Baltic Sea. This is one of the largest ports in Poland and home to a large number of supercutters targeting sprat and herring.



94. Please refer to comment 93 for context.

95. Władysławowo Port on the outside. The port is in a closed space that is monitored by security and CCTV.



96. Władysławowo Port also has large processing plants located in the area. This is like due to most of the fish caught being exported abroad as fish feed. A stark contrast to smaller ports in the rest of Poland.



98. Supercutter with pelagic trawls fishing gear.



97. Władysławowo port is also home to a viking ship that serves as a tourist attraction.

Hel

25.10.2023



98. Fishing Port in Hel.



99. Fishing Port in Hel. The port has a mixture of differently sized units and fishing vessels from other towns such as Władysławowo.



100. Supercutters in Hel.



101. Supercutters in Hel.
Those three units are
owned by the same family
run company.

102. Supercutter in Hel with
pelagic trawls fishing
gear.



103. Supercutters often sell their catch abroad as fish feed. One such example is pictured on the right. A highly automated piping system dispenses sprat directly from the supercutter into the truck. This truck then goes to Denmark, Germany, Sweden or Finland to salmon aquaculture farms. This process enables hundreds of tons of fish to be transported efficiently abroad. This fishing practice makes up the majority of the fishing quotas and economic market in Poland. A practice many smaller fishing operators find unfair and damaging to the Baltic Sea ecosystem.



104. Please refer to comment 103 for context.



105. Please refer to comment 103 for context.





106. Please refer to comment 103 for context.



107. Restaurant 'Maszoperia' in a building that was once a fisherman's house.

108. A small storage unit for a fisherman of unit HEL-17. In contrast to most units in Hell wick are either cutters or Supercutters using pelagic nets, this fishermen uses gill nets and fishes inside the hell peninsula.





109. There is not fish market in Hel, with some Fishermen selling individually to tourists.



110. Herring, cod and mackerel sold by a local fishermen.



111. Grey seal in the Hel seal sanctuary. The same species were seen in the wild by the principle investigator in the Hel fishing port. Their population growth over the last decade has sparked outrage among many fishermen claiming the species is consuming their catch and destroying their nets.



112. Please refer to comment 111 for context.



113. Please refer to comment 111 for context.

114. Please refer to comment 111 for context.





114. Grey seals in Hel thanks to the sanctuary have become a popular tourist attraction with many shops selling grey seal merchandise.



114. Please refer to comment 114 for context.



Jastarnia
29.11.2023

115. Fishing Port in Jastarnia with supercutters.



116. Fishing Port in Jastarnia with supercutters and cutters.



117. Wider view of the fishing Port in Jastarnia with supercutters and cutters, and multiple storage units and equipment.



118. The fishing Port in Jastarnia houses a wide variety of units from supercutters and cutters, to smaller fishing boats. On the day of the principle investigators visit only smaller units were operating.



119. Please refer to comment 115 for context.



120. Part of Jastarnia port dedicated to the largest cutters and supercutters.



121. Part of Jastarnia port dedicated to the smallest fish boats and their storage space.

122. Some fishermen have diversified their operations to tourism, one such example on the right has a fishing boat offer sight seeing boat trips to Hel.

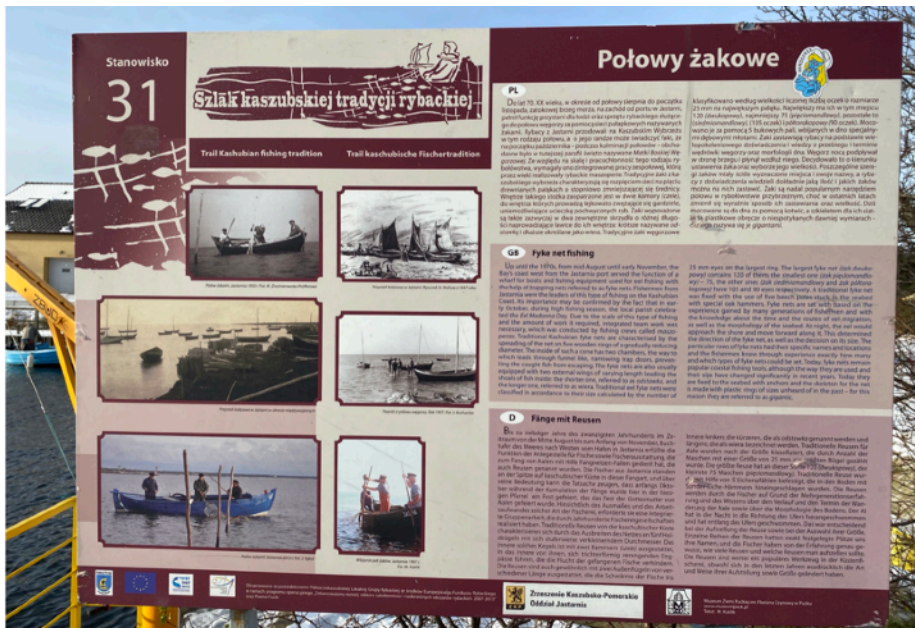


123. Fish restaurant in Jastarnia. The place was closed during the principle's investigators visit.



124. Please refer to comment 123 for context.





124. Notice sign by the port explaining the history of fishing in Jastarnia.

Kołobrzeg
11.04.2024

125. Entrance to the fish port and fish market in Kołobrzeg.





126. More sculptures in the Kołobrzeg fish port.



127. Inside the fish market in Kołobrzeg port. Some of the species sold are outsourced from outside the port and resold.

128. Fishing Port in Kołobrzeg with supercutters and cutters. On the day of the principle investigators visits no fishermen were working on the boats.



129.Supercutter with pelagic trawls fishing gear in Kołobrzeg.



130.Please refer to comment 128 for context.



131.Another section of the Fishing Port in Kołobrzeg with cutters and fishing boats. On the day of the principle investigators visits no fishermen were working on the boats.

