Overview Baltic Sea Shipping

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BALTIC SEA REGION
LIQUEFIED NATURAL GAS
COMPETENCE CENTRE

Shanghai, 05/04/2019
The Baltic Sea

The Baltic Sea is bounded by the Skagen peninsula from 57°43’N / 010°30’E to 57°50’N / 010°30’E and along this parallel to the coast of Sweden.

The surface area is 386,000 km²
Maximum depth 459 m
Average depth 55 m
The Baltic Sea

Countries:
- Denmark, 5,8
- Estonia, 1,3
- Finland, 5,6
- Germany, 82,4 21,8
  - the States of Berlin, Brandenburg, Bremen, Hamburg, Mecklenburg-Vorpommern, Schleswig-Holstein and Niedersachsen
- Latvia, 1,9
- Lithuania, 2,9
- Poland, 38,0
- Sweden, 10,0
- Russia 143,9 7,4
  - St. Petersburg
  - Kaliningrad Oblast
- Total 94,7 mln
The Baltic Sea

Exclusive Economic Zones

In 2001 ministers from the Baltic states as signatories of the HELCOM Convention adopted the Copenhagen Declaration 10/09/2001

The declaration, among the others, agreed to establish an AIS monitoring of ships traffic on the whole Baltic Sea from 2005
The Baltic Sea

Lines of crossing for 2017
The Baltic Sea

Countries:
Lines of crossing for 2017
The Baltic Sea

Routes
The Baltic Sea – TSS

1. Off Sommers Island
2. Off Hogland (Gogland) Island.
3. Off Rodsher Island.
4. Off Kalbådagrund lighthouse.
5. Off Porkkala lighthouse.
6. Off Hankoniemi Peninsula.
7. Off Kõpu Peninsula (Hiiumaa Island)
8. South Hoburgs Bank
10. In Norra Kvarken
11. The Åland Sea
12. West Klintehamn
14. Off Öland Island
15. In Bornholmsgat
16. On the approaches to the Polish ports in the Gulf of Gdansk.
17. Słupska Bank.
18. Adlergrund.
19. Off Falsterborev.
20. In The Sound.
22. South of Gedser.
23. Off Kiel lighthouse.
24. Between Korsoer and Sprogøe
25. At Hatter Barn
Shipping density -2016 All vessels

- Cargo vessels
- Tankers
- Passanger vessels
- Fishing vessels
- Service ship
- Container vessels
- Ro-ro vessels
- Other:
  - Tug, dredger etc.
Shipping density – 2016 cargo vessels

Cargo vessels:
• general,
• Bulk,
• Other cargo.

Length:
• average 134 meters
• min 22 – max 292 m

Gross tonnage:
• average 6990 GT
• min 104 GT – max 94 200 GT
Container ships
• the biggest ships operating in the Baltic Sea Region.

Length:
• average 190 meters
• min 95 – max 399 m

Gross tonnage:
• average 36 100 GT
• min 3 820 – max 195 000 GT
Ro-ro vessels:
• vehicle carrier,
• Specialized to carry vehicles,
• general ro-ro cargo.

Length:
• average 173 meters
• min 63 – max 262 m

Gross tonnage:
• average 36 600 GT
• min 957 – max 74 300 GT
Shipping density – 2016 tankers

Tankers
- chemical tanker
- Crude oil tanker, gas tanker,
- oil product tanker
- Other

Length:
- Avryge 107 metres
- min 25 – max 333 m

Gross tonnage:
- average 25 500 GT
- Min 107 - max 62 000 GT
Passenger ships
• more than 12 passengers.
• ferries that operate day to day
• overnight moving passengers and vehicles,
• RoPax

Length:
• average 110 meters
• min 20 – max 330 m

Gross tonnage:
• average 17 300 GT
• min 101 – max 14 700 GT
Shipping density – 2016 fishing vessels

Fishing vessels:
- smaller than the other categories
- The largest ones are trawlers.

Length:
- average 33 metres

Gross tonnage:
- average 993 GT
- min 102 – max 7 770 GT
Interaction between ports

Arrivals and departures in the Baltic Sea Cargo ship traffic in 2015:
50 biggest ports, minimum of 150 trips
Interaction between ports

Arrivals and departures in the Baltic Sea Tanker ship traffic in 2015: 50 biggest ports, minimum of 100 trips
Arrivals and departures in the Baltic Sea Passenger ship traffic in 2015: 50 biggest ports, minimum of 500 trips
Interaction between ports

Arrivals and departures in the Baltic Sea Container ship traffic in 2015: 50 biggest ports, minimum of 50 trips
Thank you for your attention