

# THE SURGING OIL EXPORT FROM PRIMORSK TERMINAL

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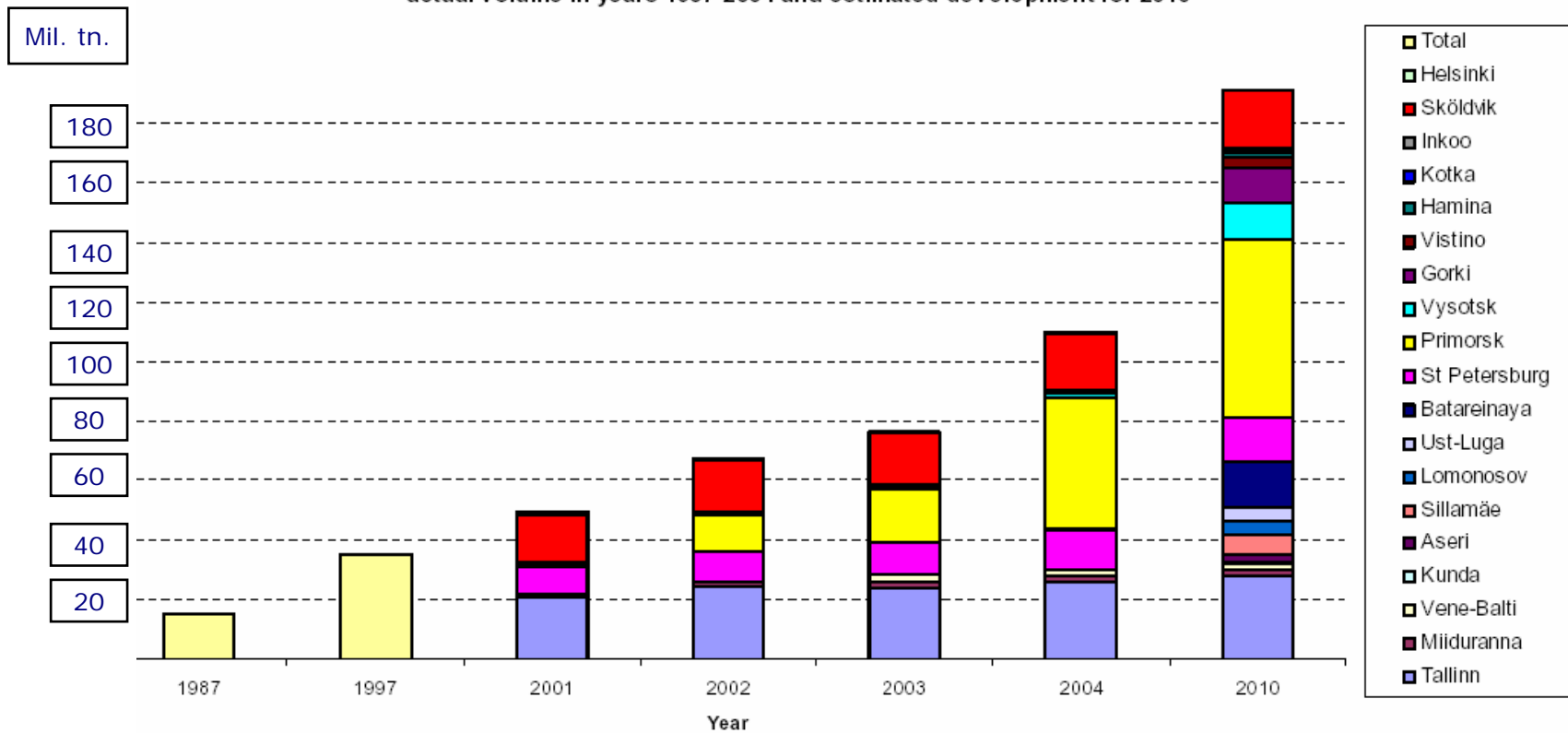
## Oil transportation

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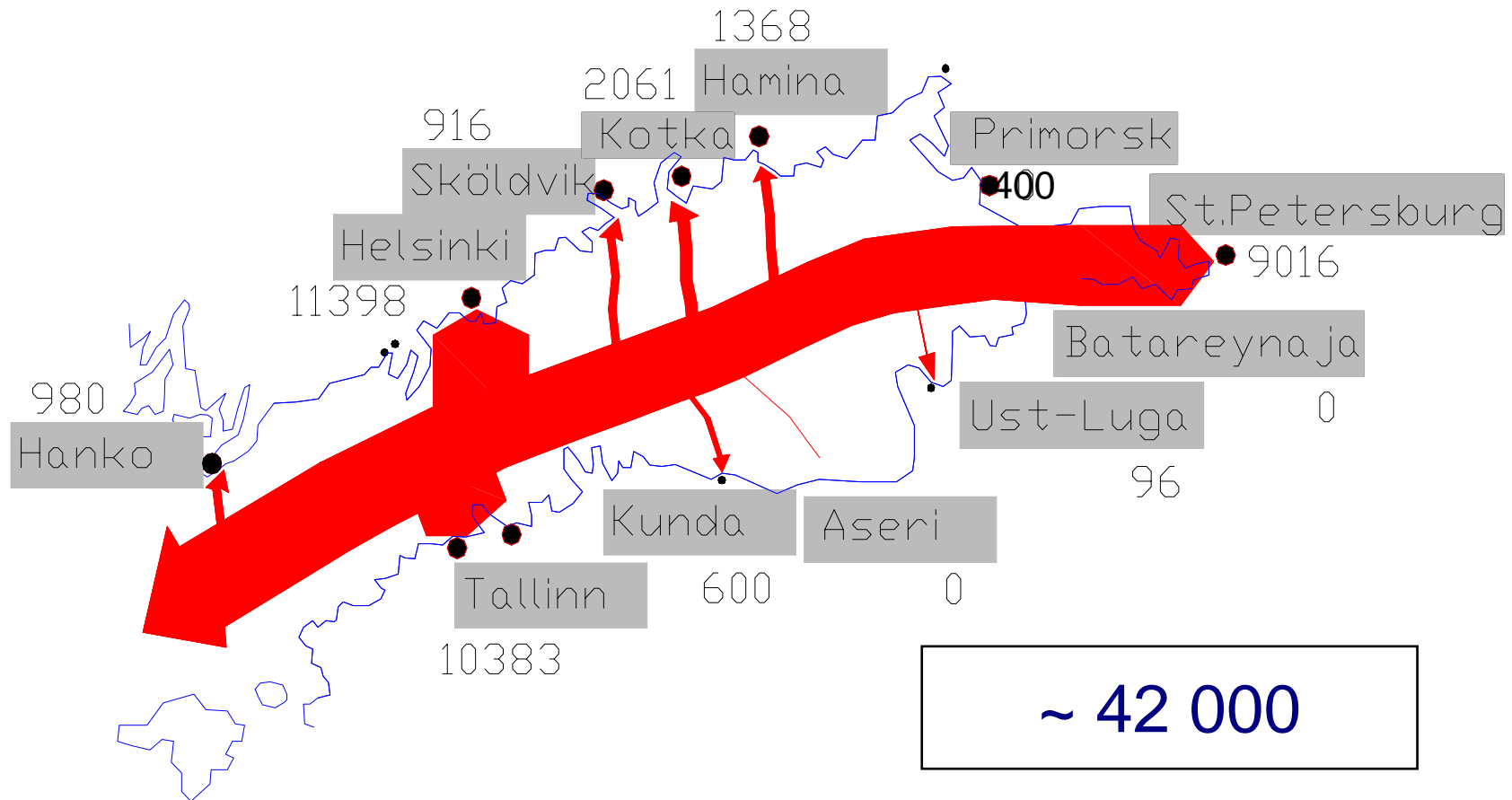
- Primorsk Oil Terminal
  - Started operations in Dec. 2001
  - Year 2002 capacity, 12,4 million tons
  - Year 2003 capacity, 17,7 million tons
  - Year 2004 capacity, 44,6 million tons
  - Year 2006 est. capacity, 60,0 million tons

# Oil transportation in the GOF

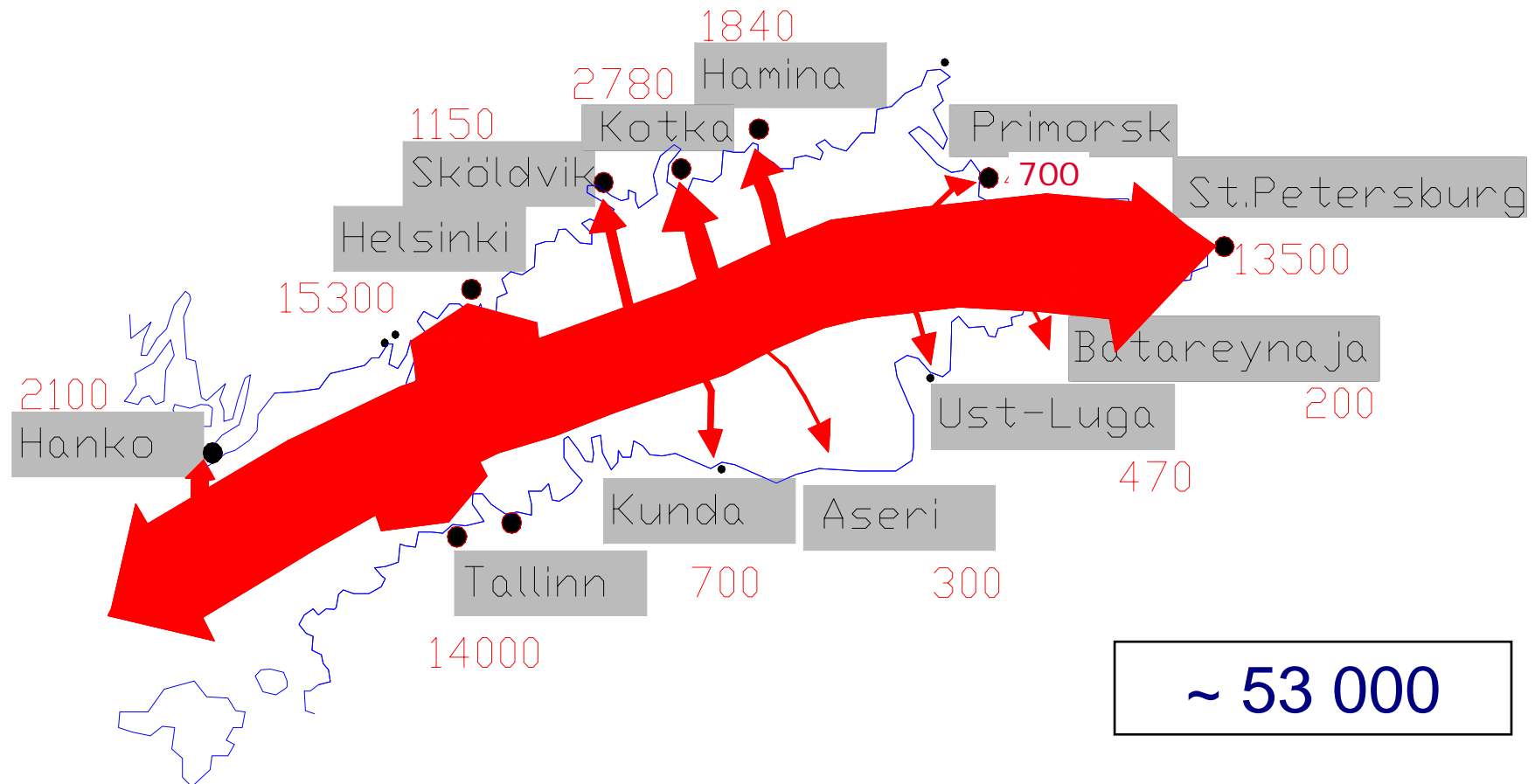
Oil transportation in the Gulf of Finland  
actual volume in years 1987-2004 and estimated development for 2010



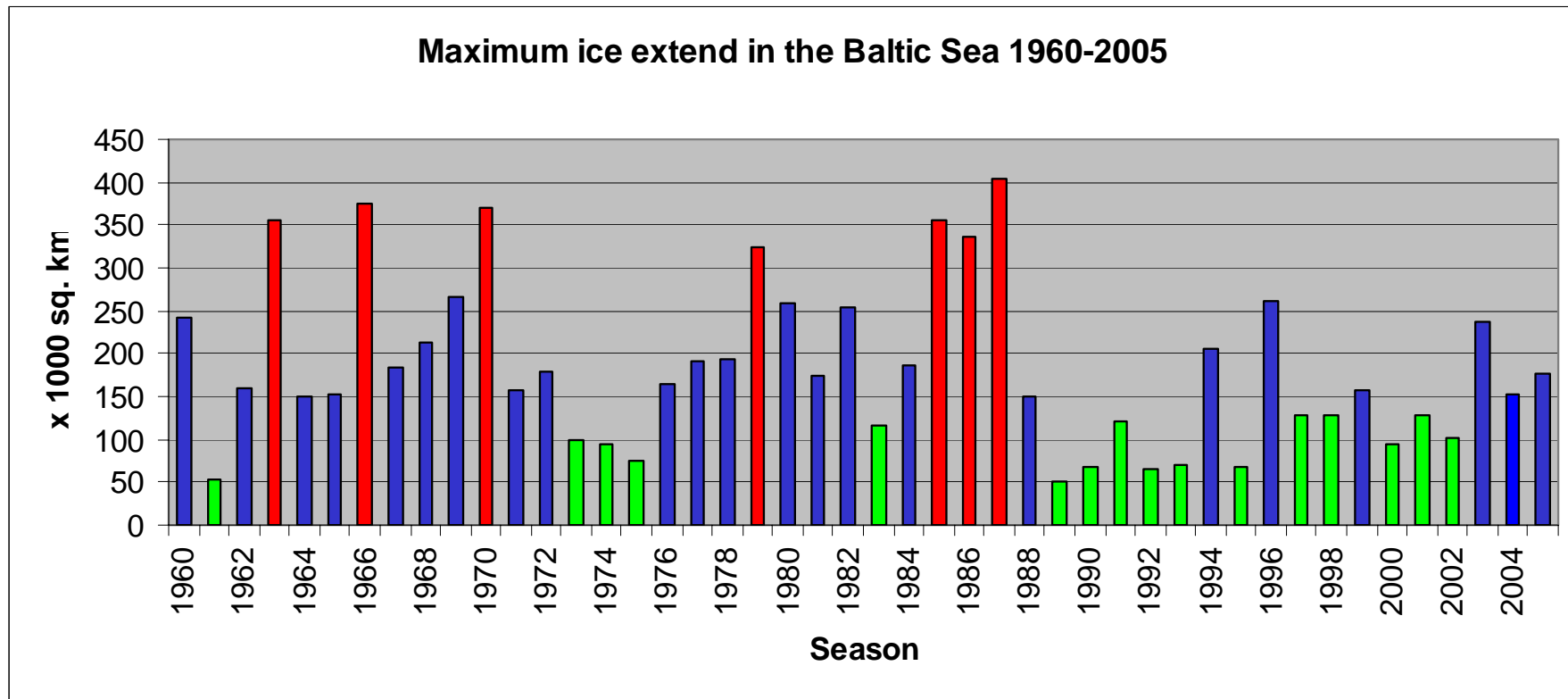
# Shipping volumes in The GOF/ 2004



# Shipping volumes in The GOF/ 2010 - 2015



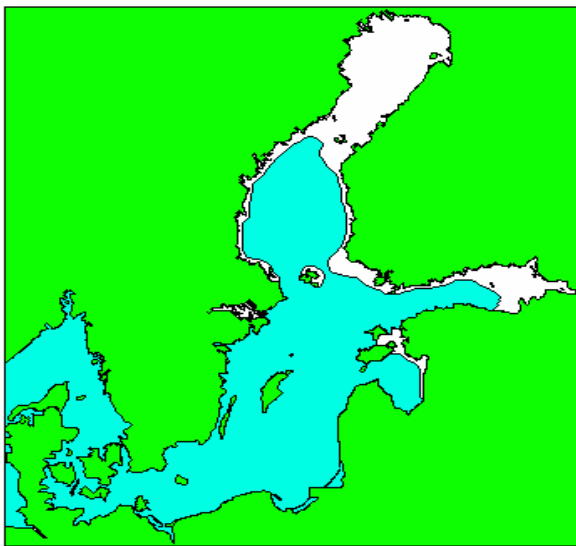
# Winter traffic



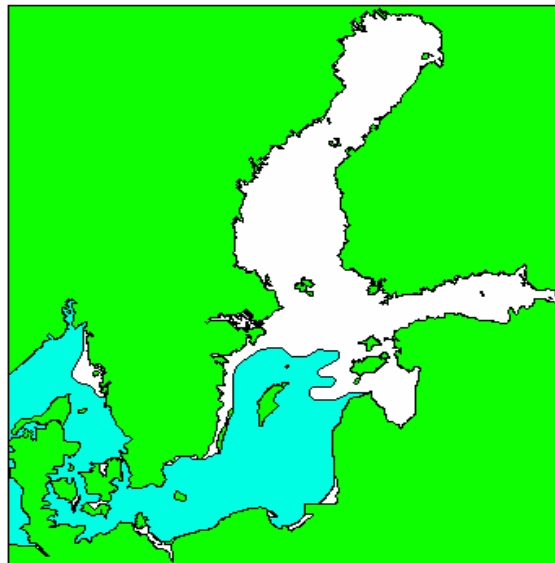
Mild season    Average season    Severe season

# Winter traffic

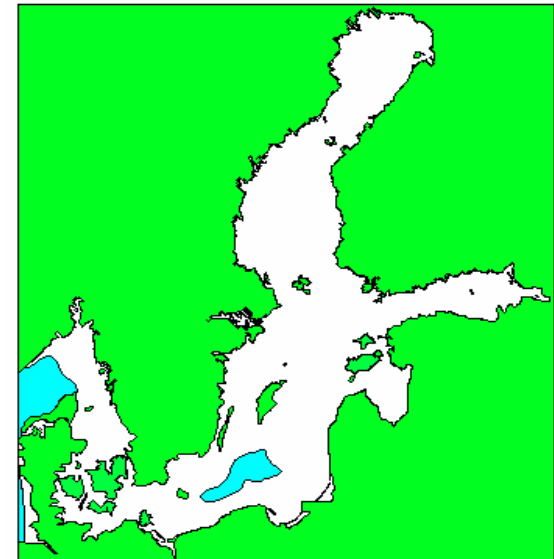
- **The Baltic Sea ice season:**
- Mild season: All Finnish harbours are icebound
- Average season: Ice from the north lat. Of Stockholm
- Severe season: Baltic Sea is almost or totally frozen



Extremely mild,



average

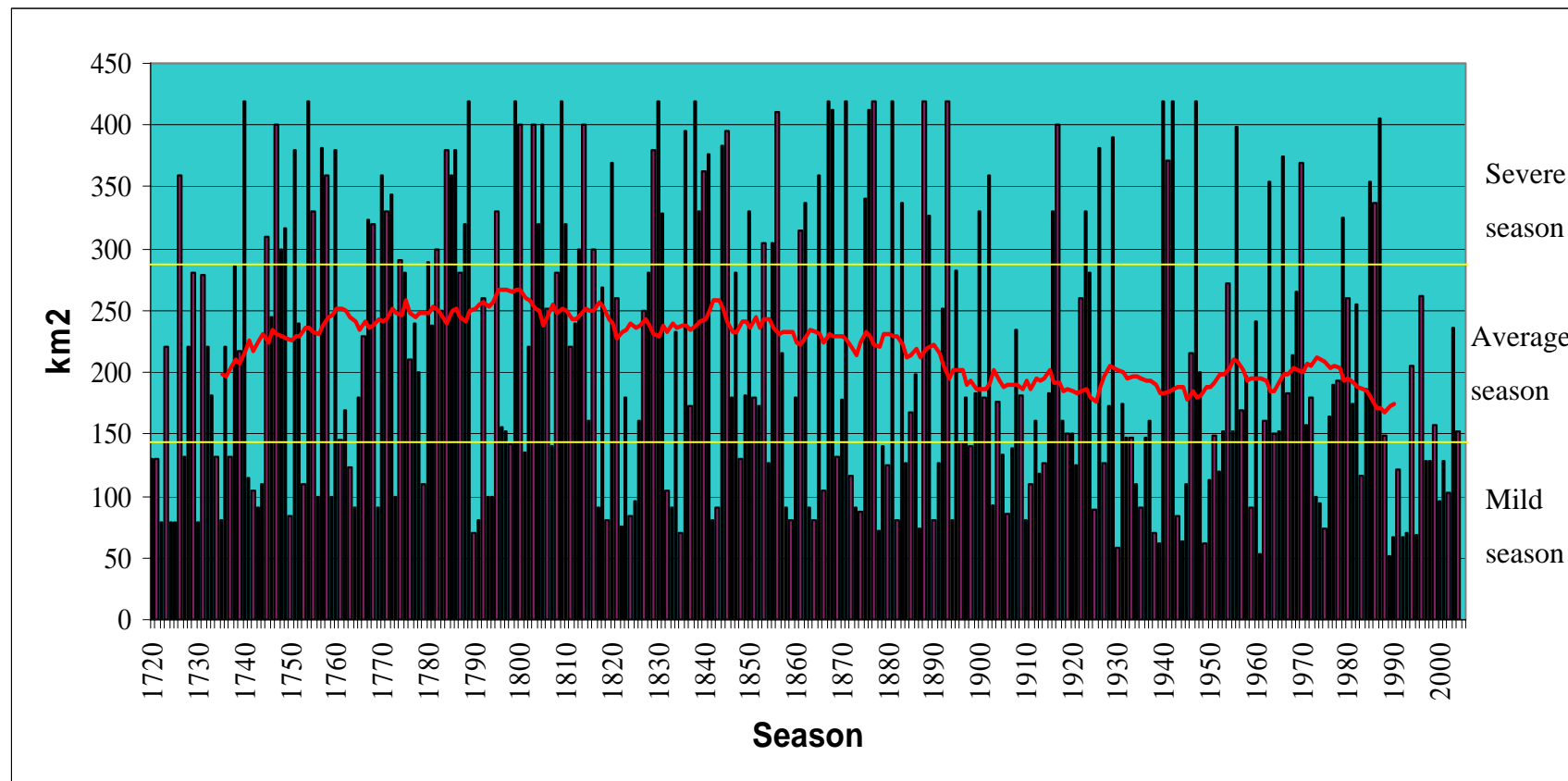


extremely severe season



# Winter traffic

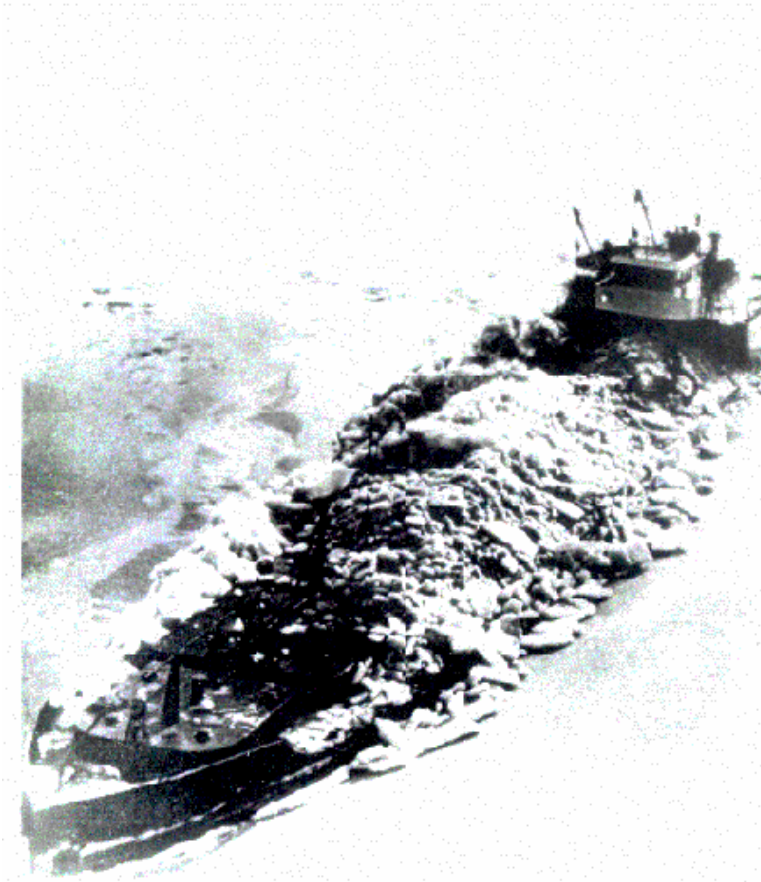
Maximum annual extent of ice cover in the Baltic Sea Severity class and 30-y running average



# Winter traffic



# Winter traffic





## Passenger traffic

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- Between Helsinki and Tallin;
  - Annually ca. 6,0 million passengers
  - Summertime ca. 40 departures daily
  - High speed crafts, speed + 40 knots

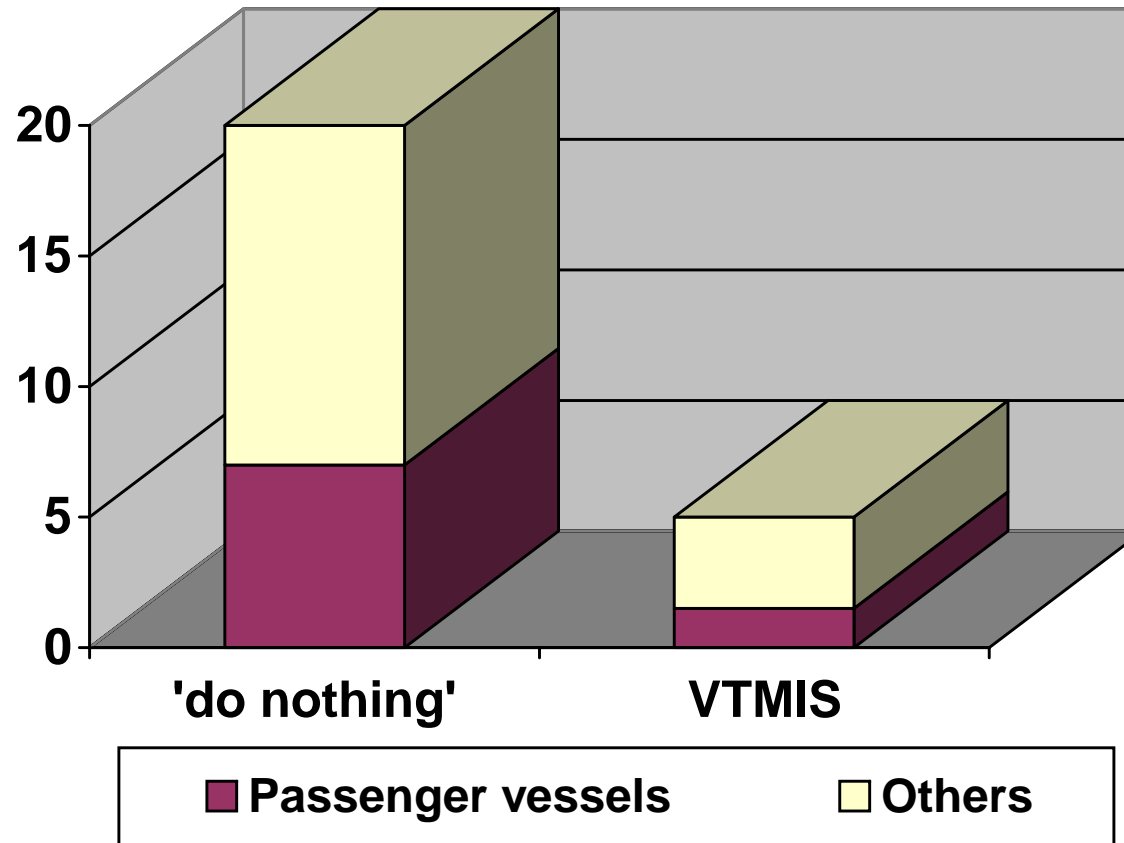
## Passenger Traffic in the Baltic ("Viking countries")



# Passenger traffic

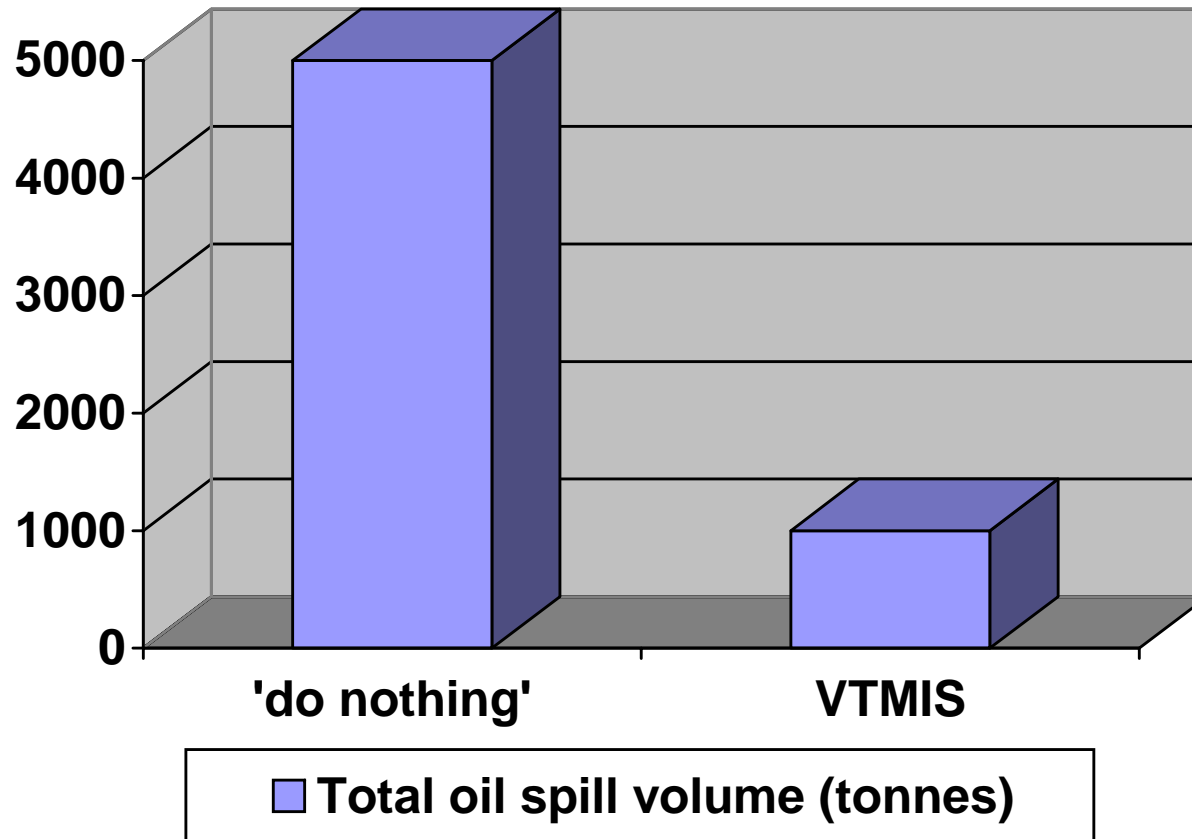


# Formal Safety Assessment



*The estimated number of collisions occurring in the Gulf of Finland during the years 2010 to 2020. In each accident at least one of the vessels is an oil tanker.*

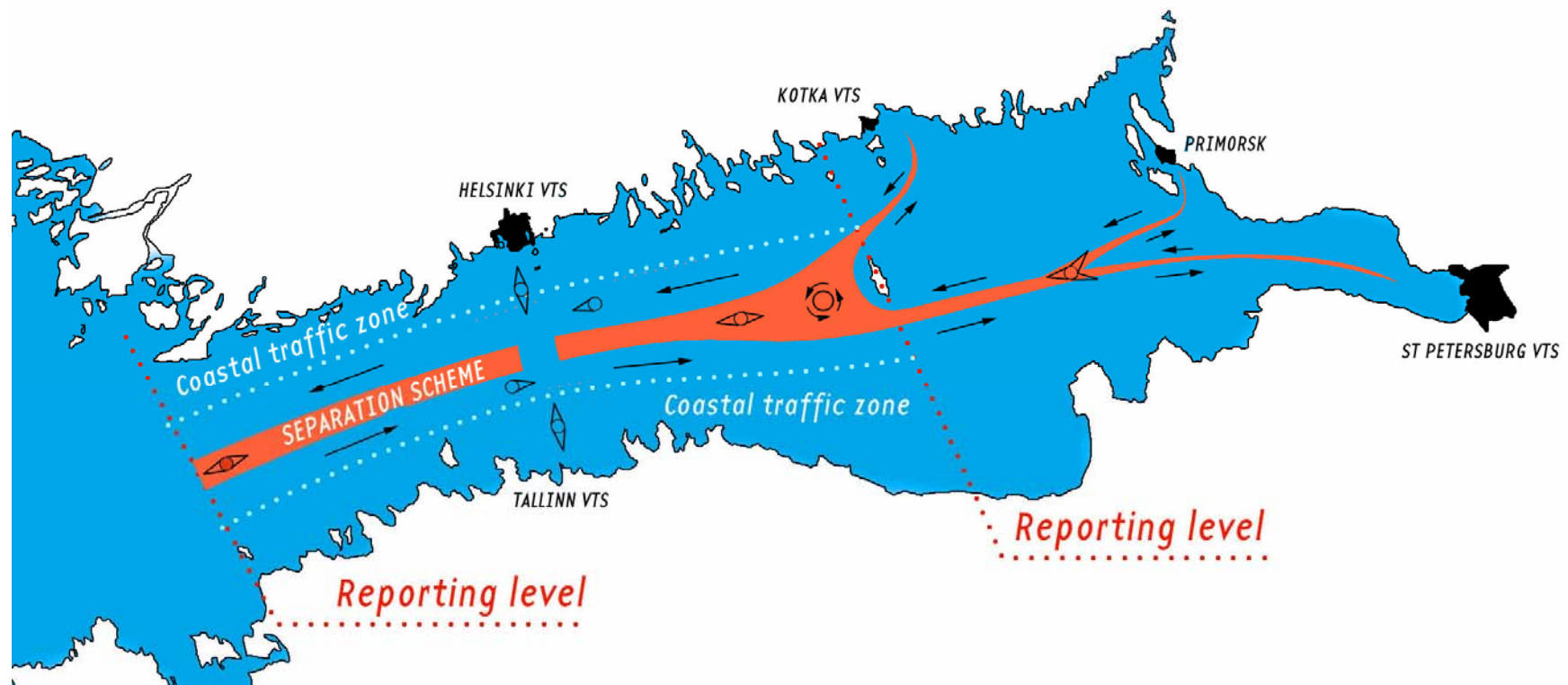
# Formal Safety Assessment



*The estimated total volume of oil spilt to the Gulf of Finland in the number of collision presented in Figure 1. during the years 2010 to 2020.*



## Gulf of Finland VTMIS



# THANK YOU FOR YOUR ATTENTION !

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