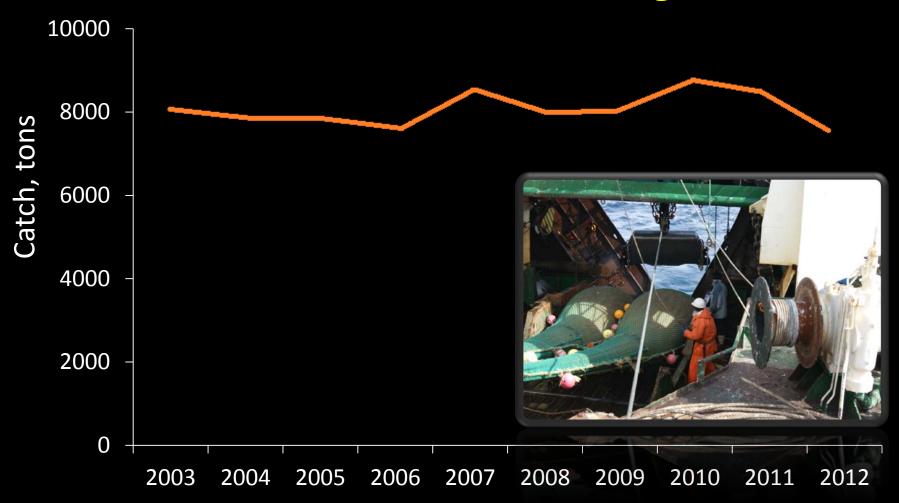


Dynamics cath of pink shrimp in FEseas in 2003-2012 years on the data obtained from IS «»Monitoring»



General targets in this work

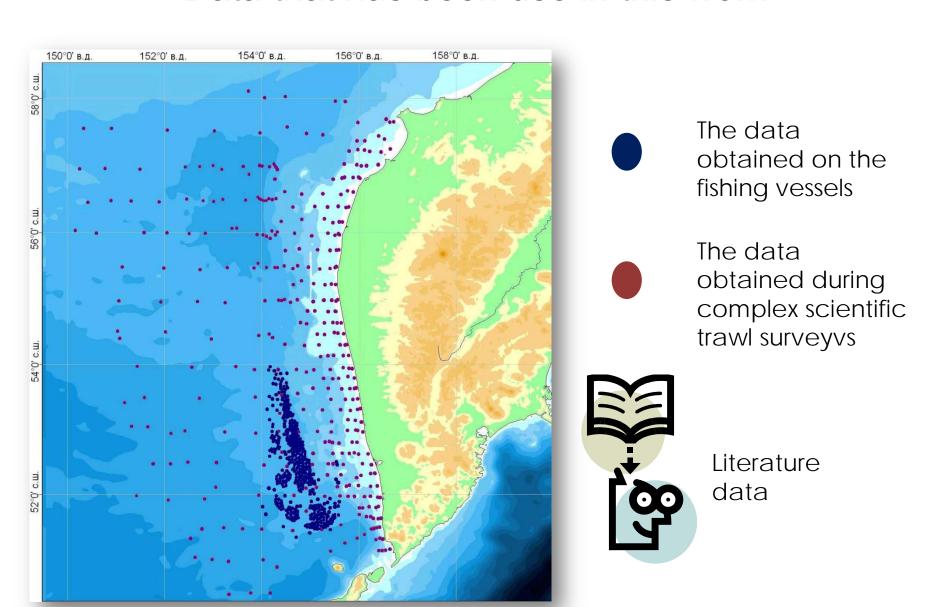
Determine the temperature range for the normal distribution

Determine the existence of dependencies: temperature-distribution, temperature-life cycle

Role played by temperature in the process of emigration

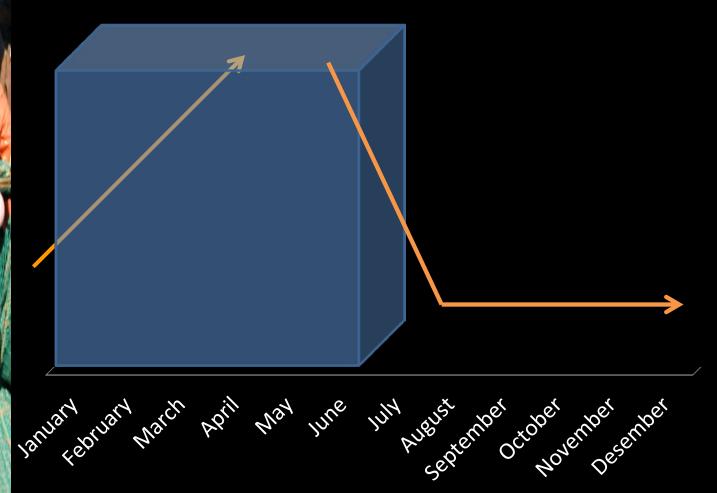
etc.

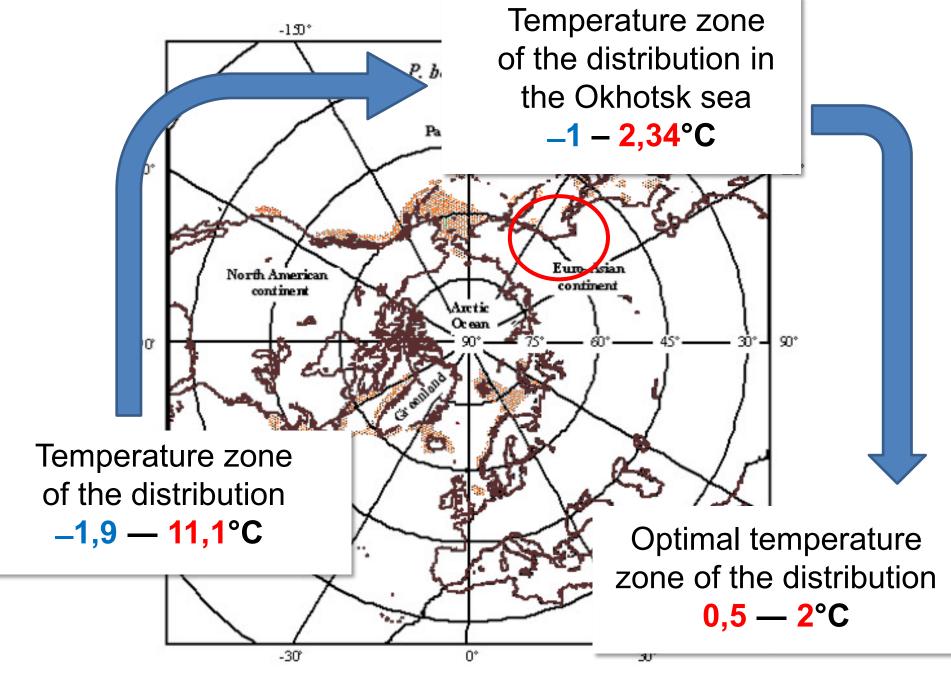
Data that has been use in this work



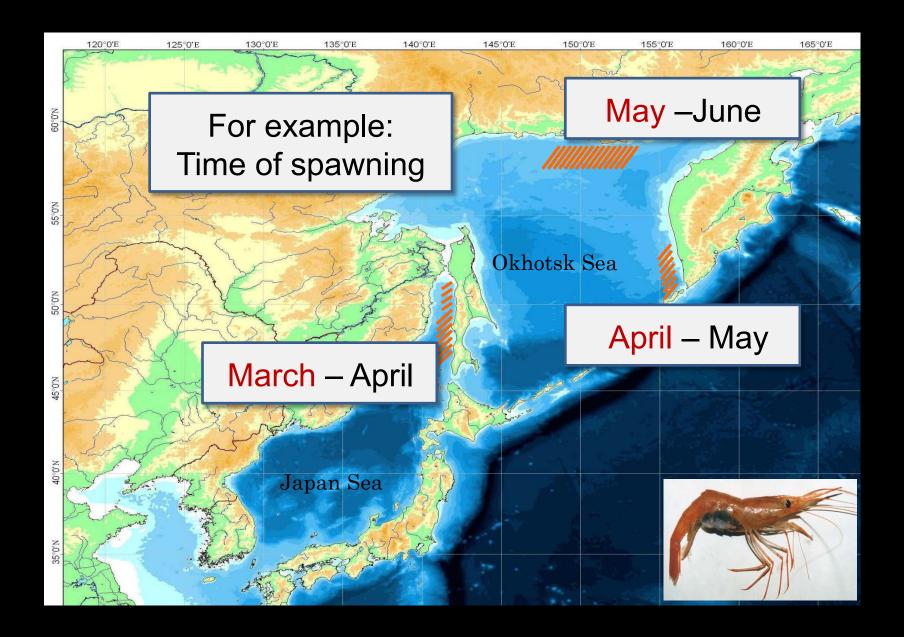


Periods of the our research

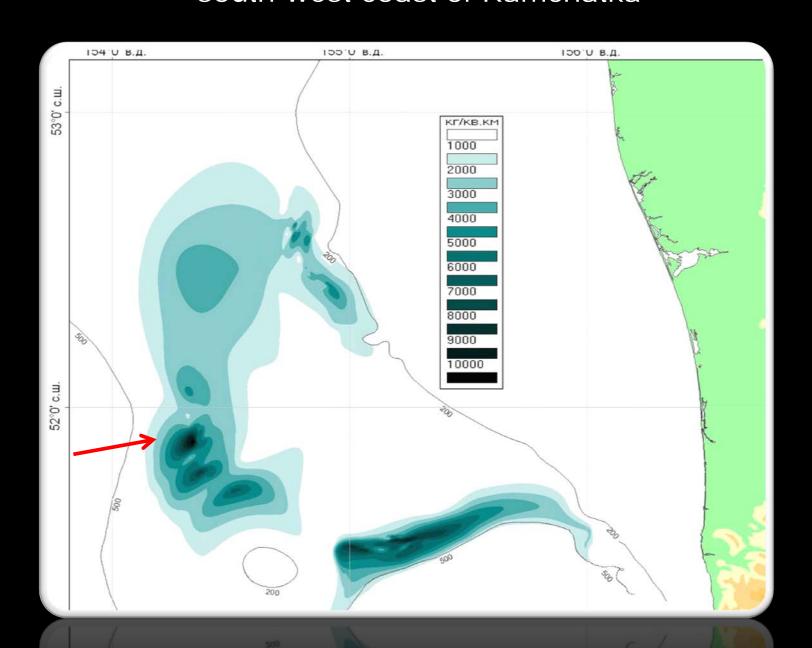




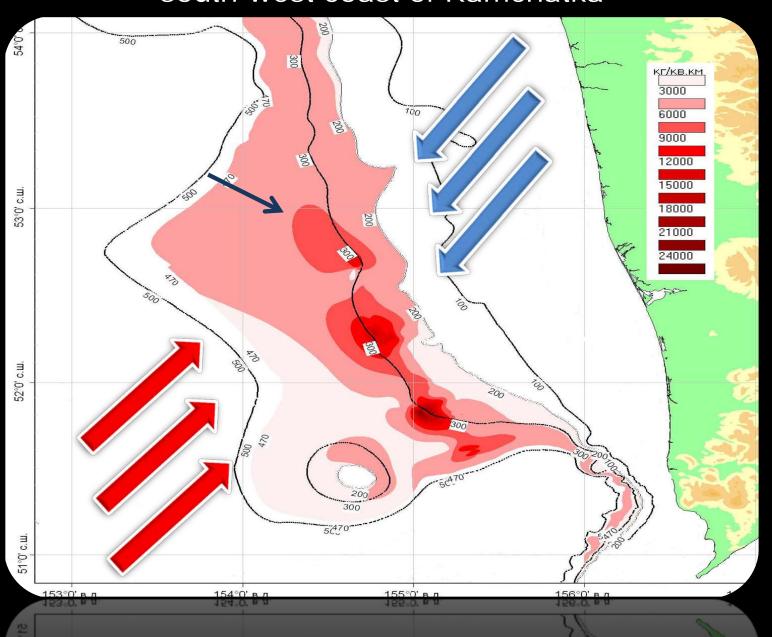
(modified from Bergstrom, 2000)



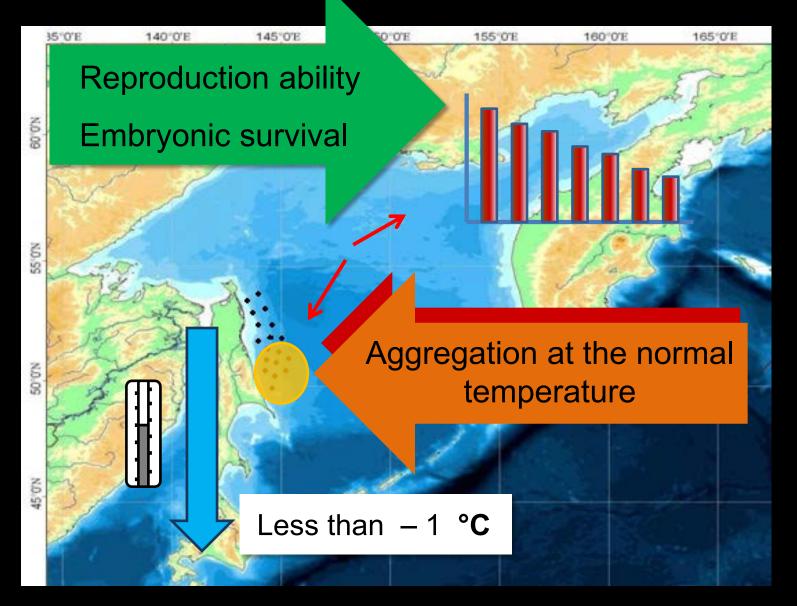
Average annual distribution of the north shrimp in winter at the south-west coast of Kamchatka



Average annual distribution of the north shrimp in spring at the south-west coast of Kamchatka

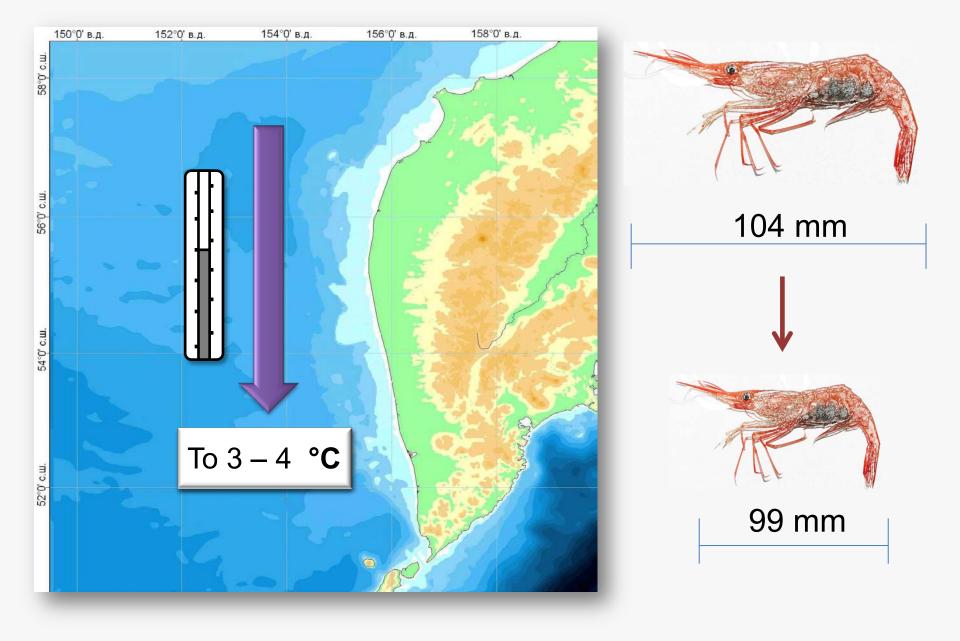


Scheme of result of decrease in temperature

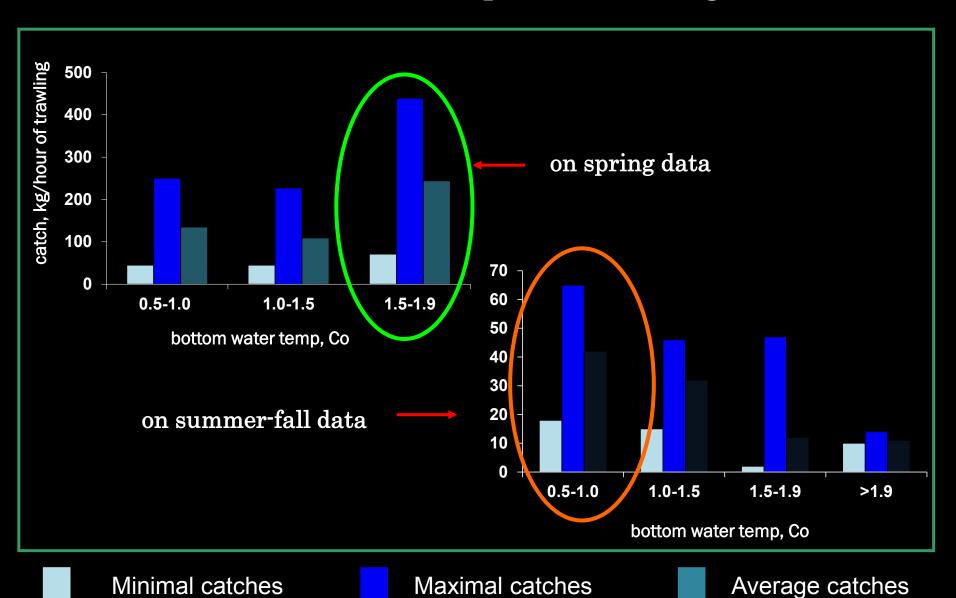


(Berenboim, Serebrov, 1977, Bukin, 2003, Tabunkov, 1982)

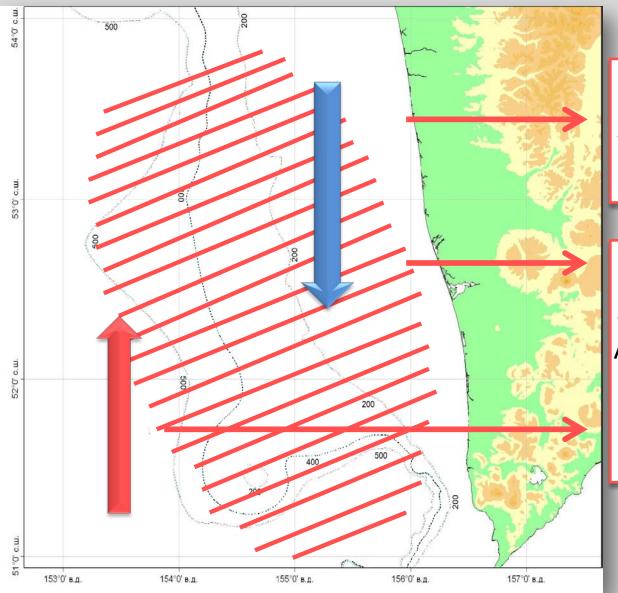
Less body size in the 2000-th years at the south-west coast of Kamchatka



The catches of pink shrimp in different temperature ranges



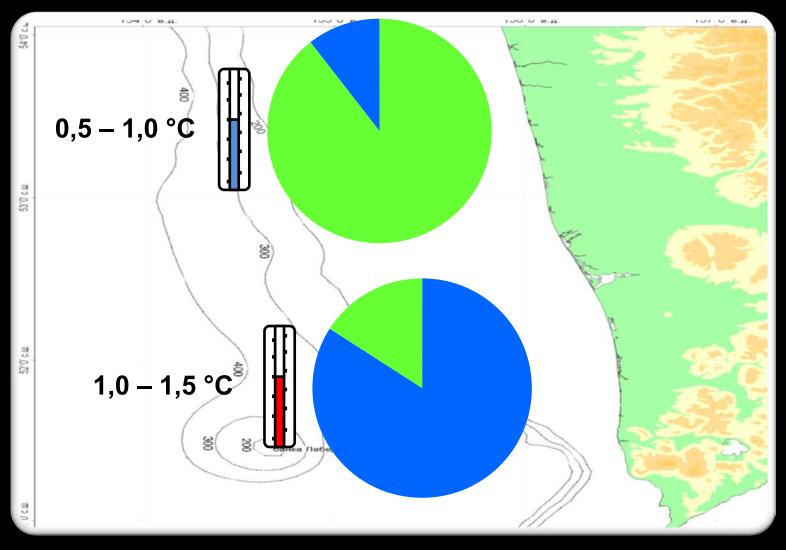
Change of temperature at the south-west coast of Kamchatka



In February
Average temperature
1,7 °C

In March
Average temperature
At the depth less than
300 m – **0,7** °C
more than
400 m – **2** °C

Scheme of distribution of females with and without external eggs in depends on temperature in April and May



Females with eggs Females without eggs

Distribution of north shrimp in may at the south-west coast of Kamchatka

