

**Generation stock abundance dynamics
of flounders in the Eastern Okhotsk Sea
in view of inner and outer population
factors**



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Fig. 1. The scheme of the correlations between the population characteristics and the environmental factors

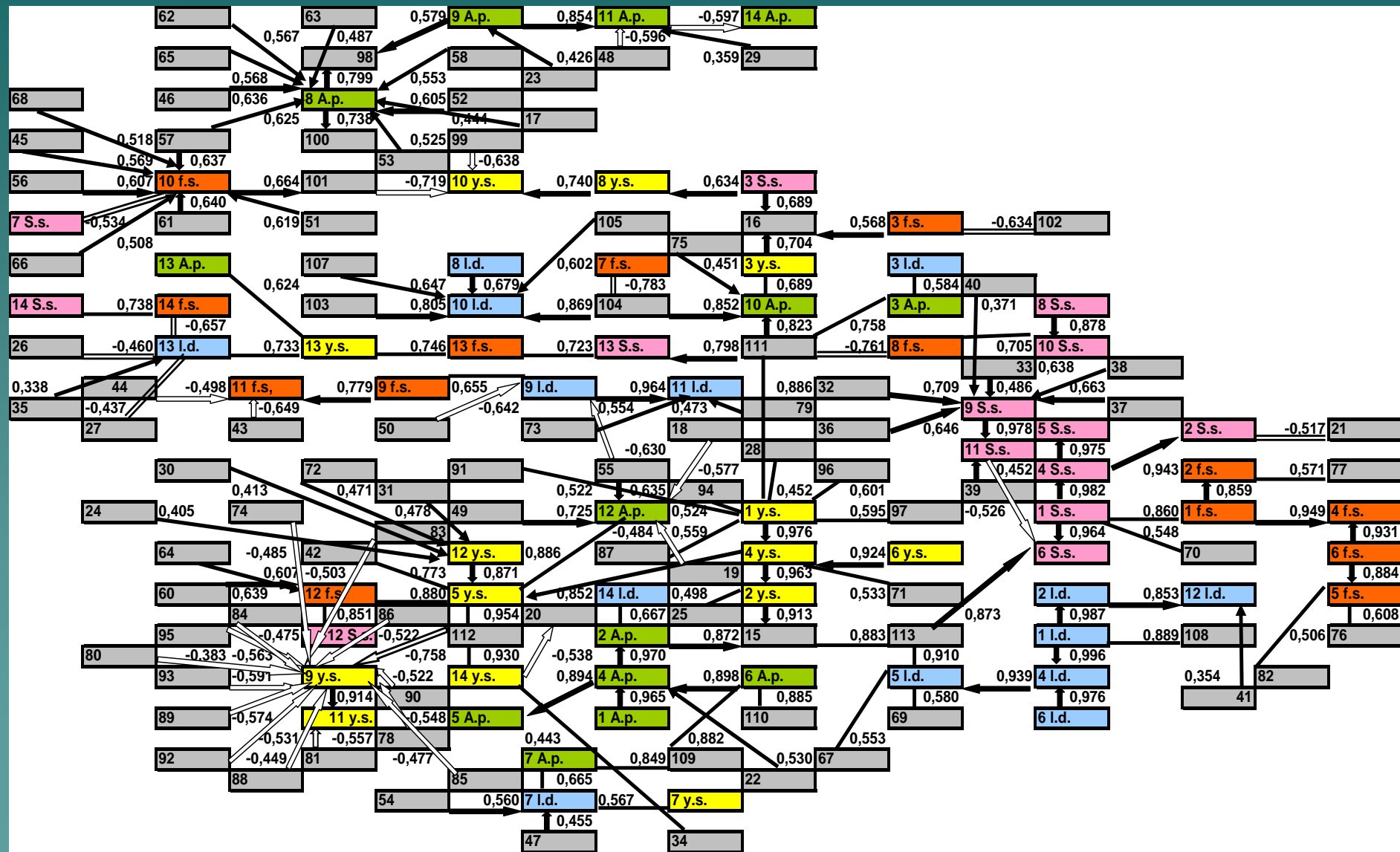
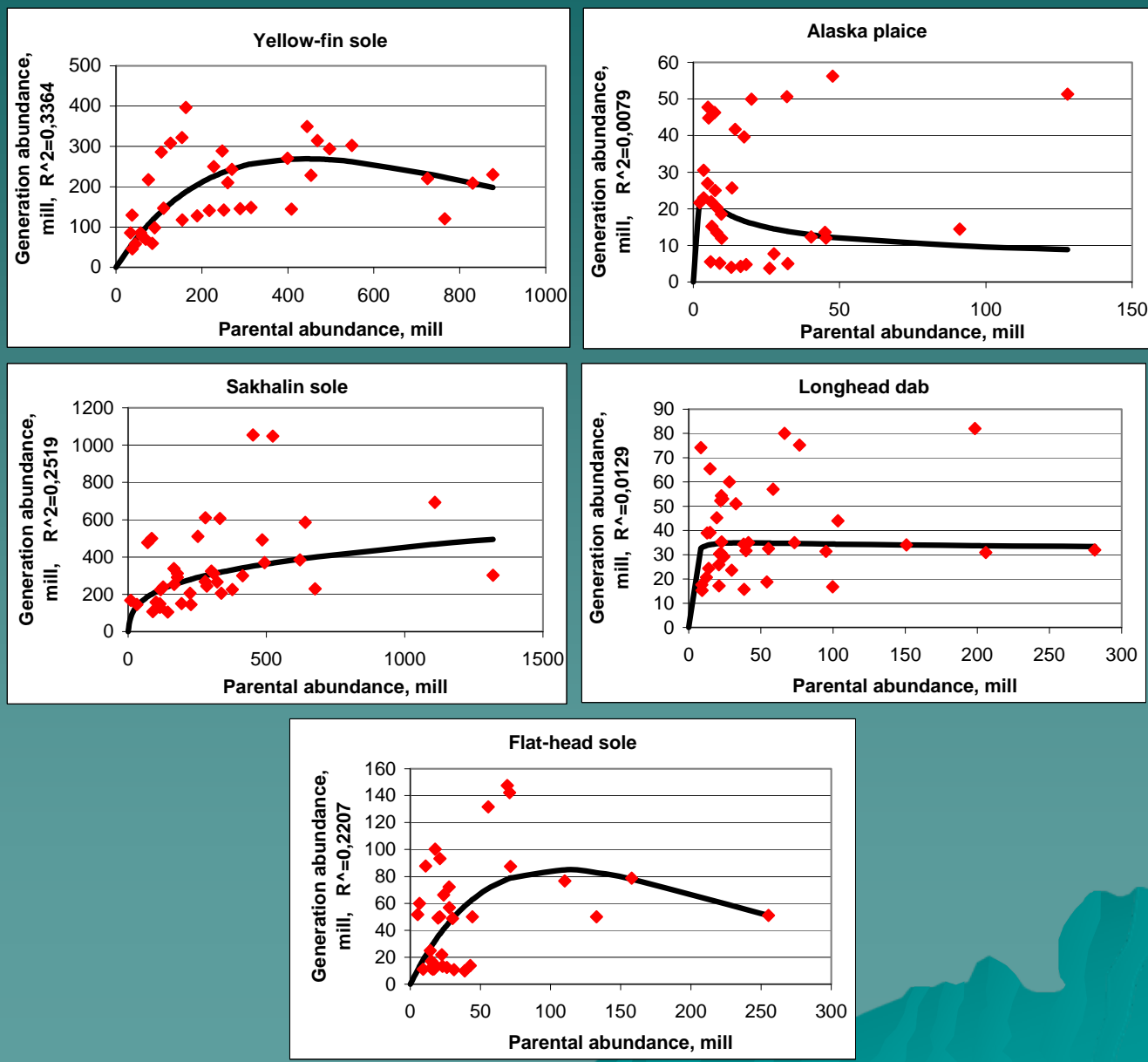


Fig. 2. The correlation between the abundance of mature individuals (recruitment) in generations of flounders and parental stock abundance.
 R^2 – approximation coefficient



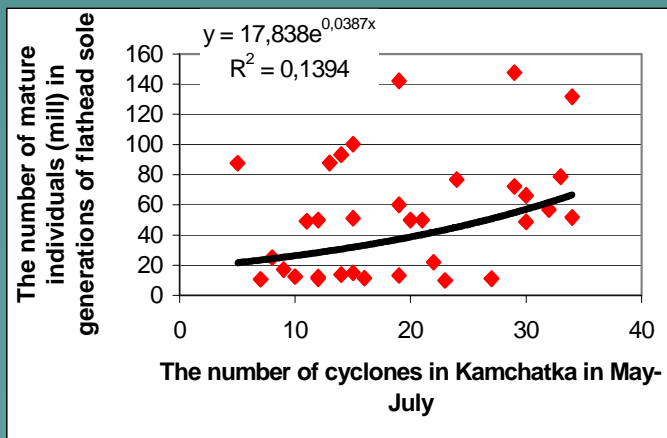
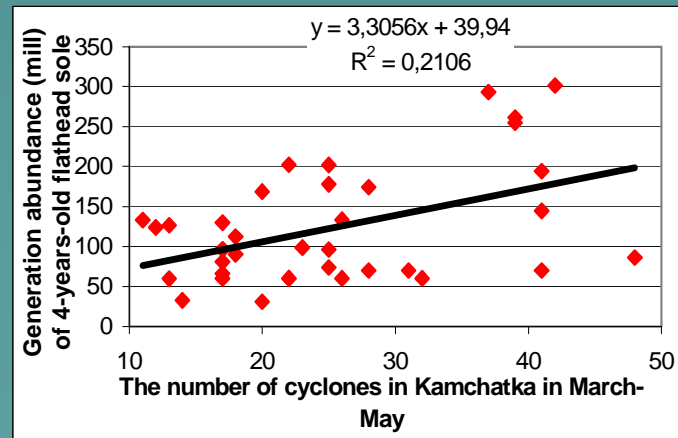
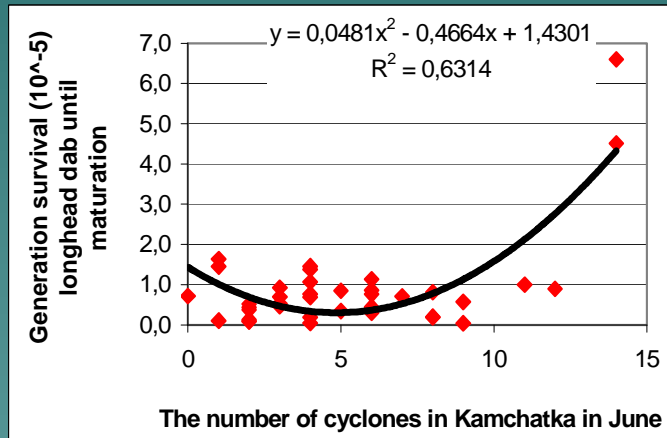
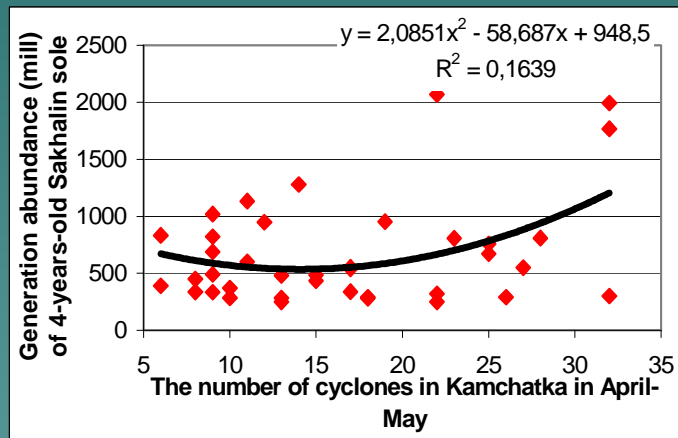
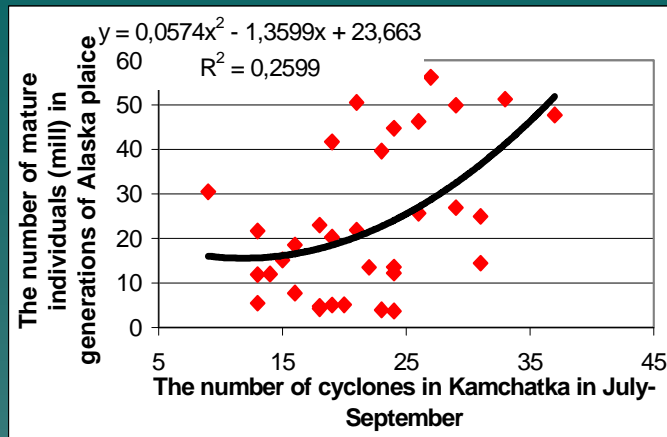
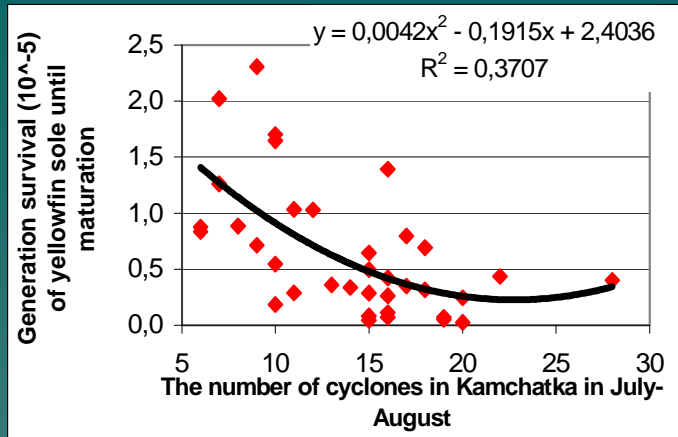


Fig. 3. The correlation between the absolute and relative (survival) generation abundance of West-Kamchatkan flounders and the cyclonic intensity near Kamchatka in the birth years of the generations

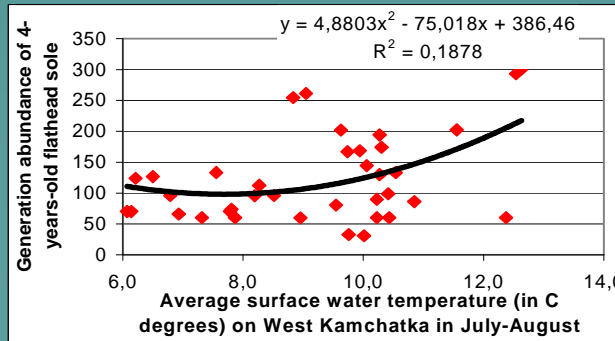
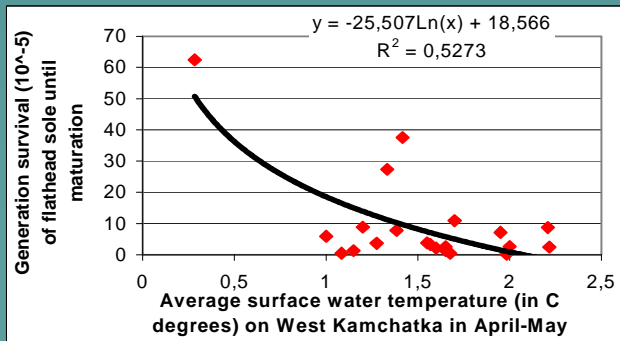
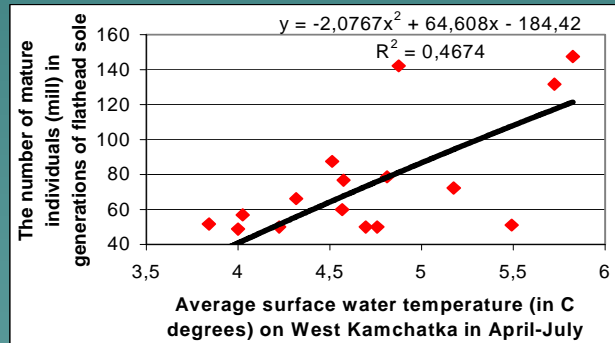
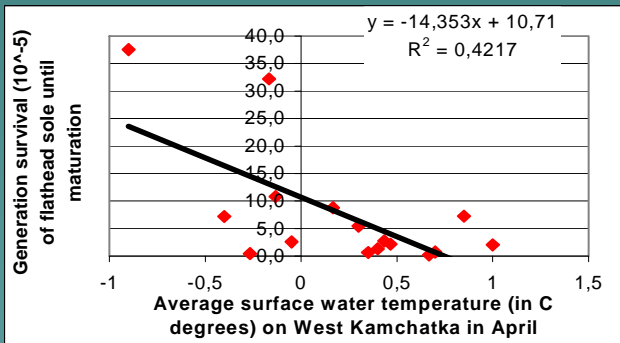
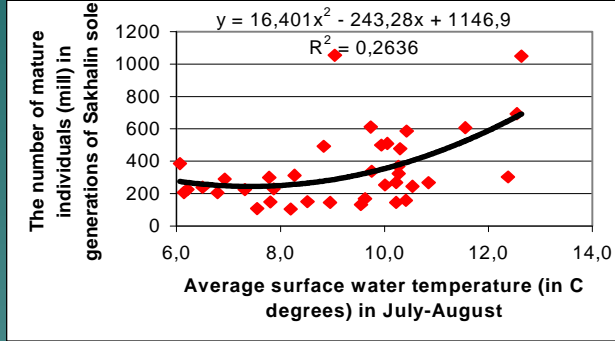
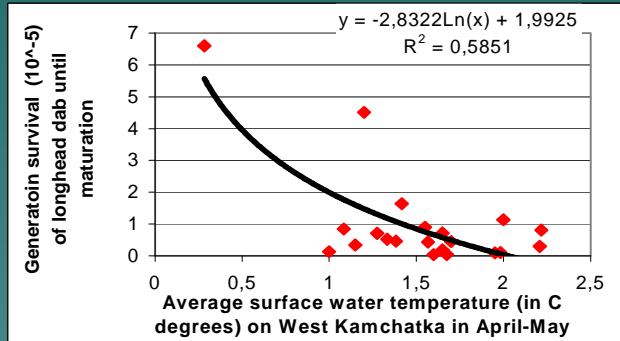
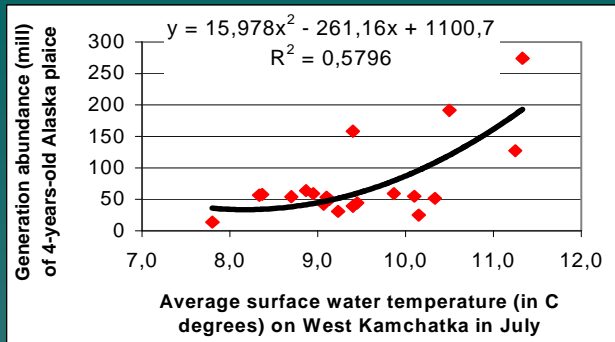
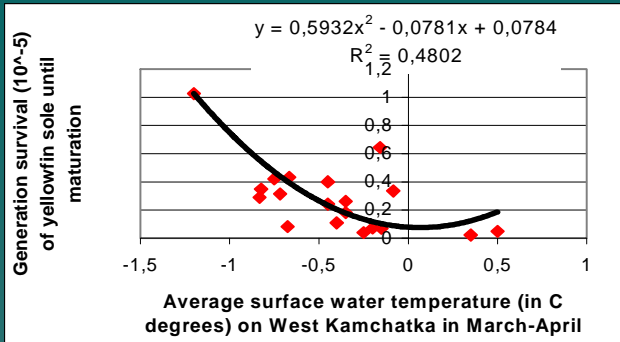


Fig. 4. The correlation between the absolute and relative (survival) generation abundance of West-Kamchatkan flounders and the average temperature of surface water in the birth years of the generations

Fig. 5. The correlation between the generation survival of West-Kamchatkan flounders and various parameters of the abundance of possible competing species

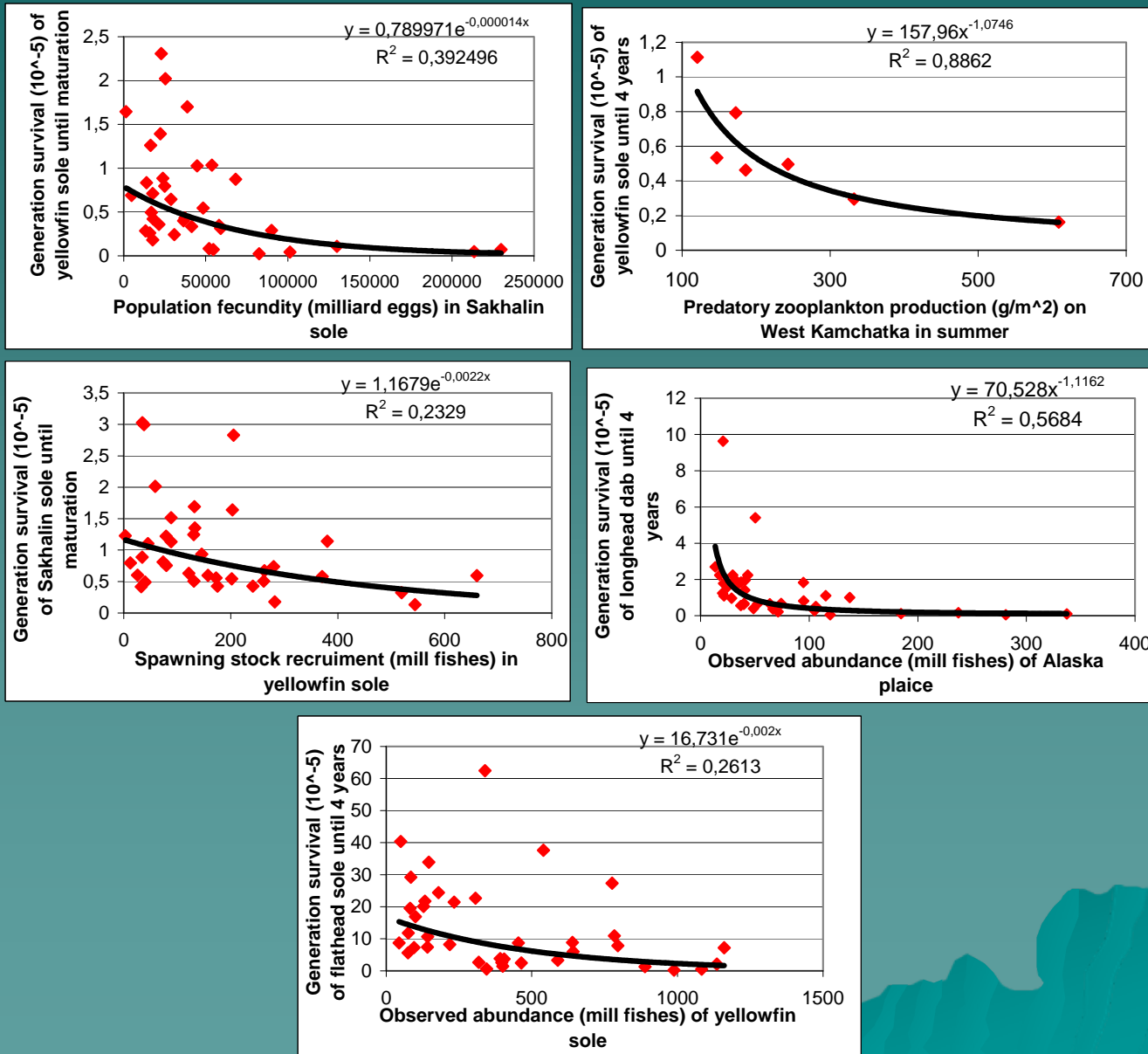


Fig. 6. The correlation between the generation abundance of West Kamchatkan flounders and the production of none predating zooplankton in the birth years of the generations

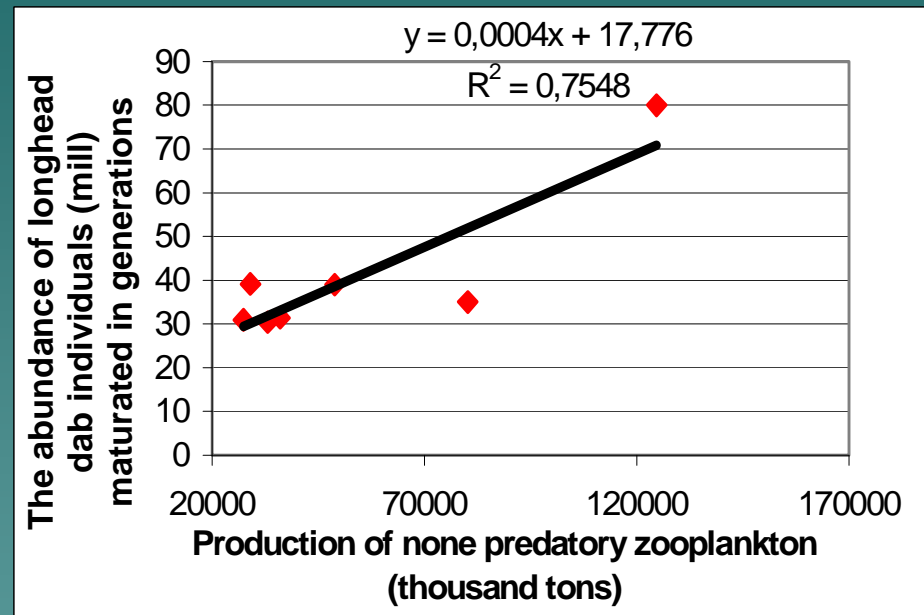
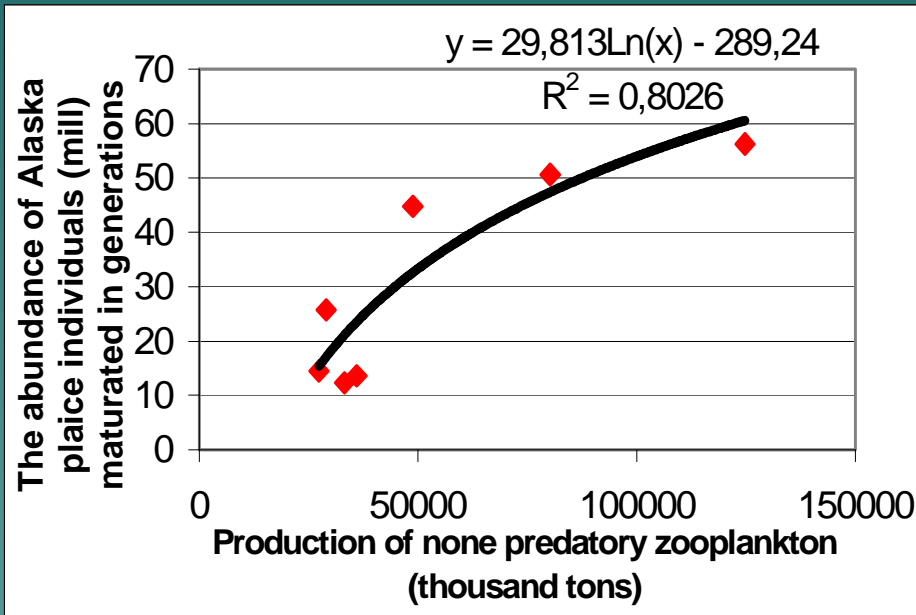


Fig. 7. The correlation between the absolute and relative generation abundance of flounders and the biomass of predators in the birth year of generations

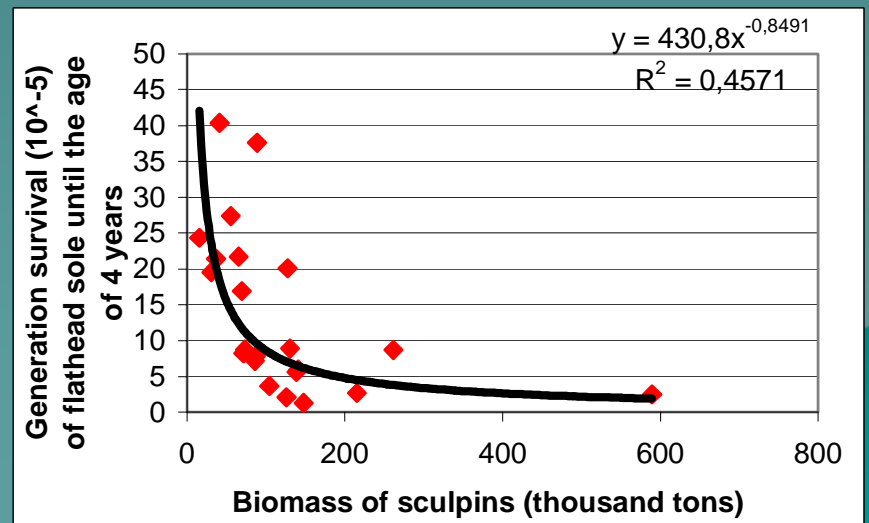
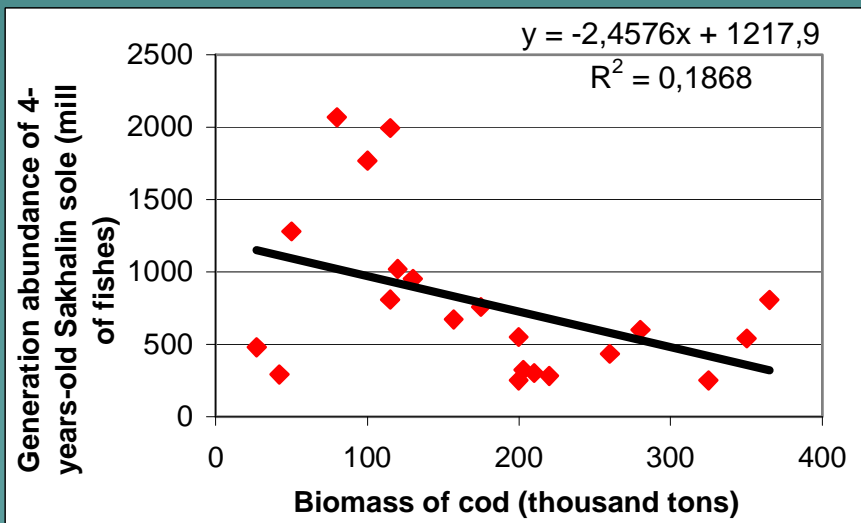
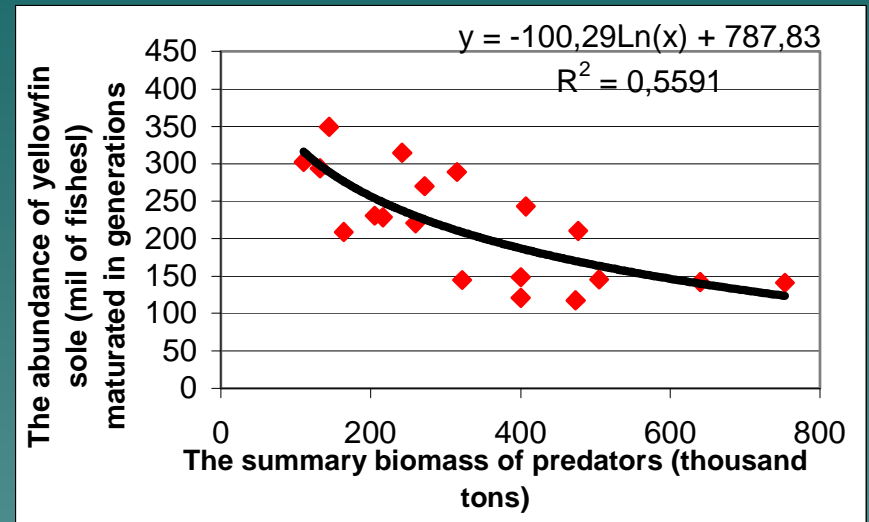
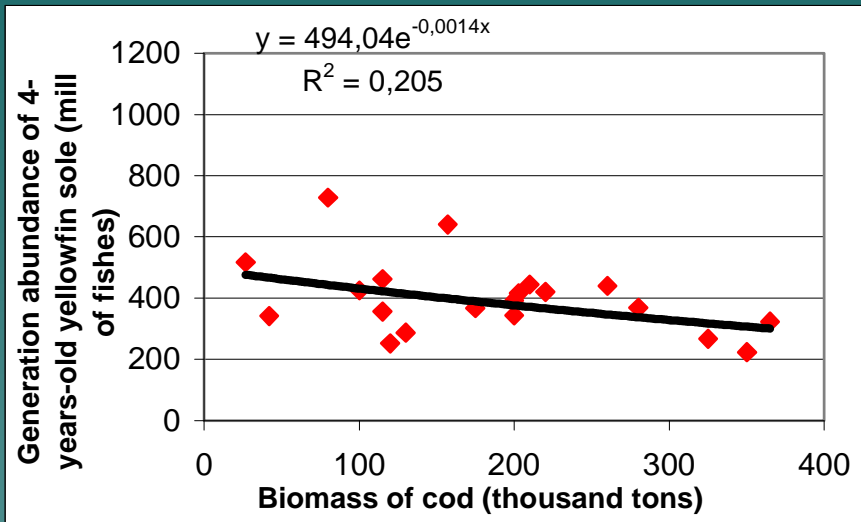
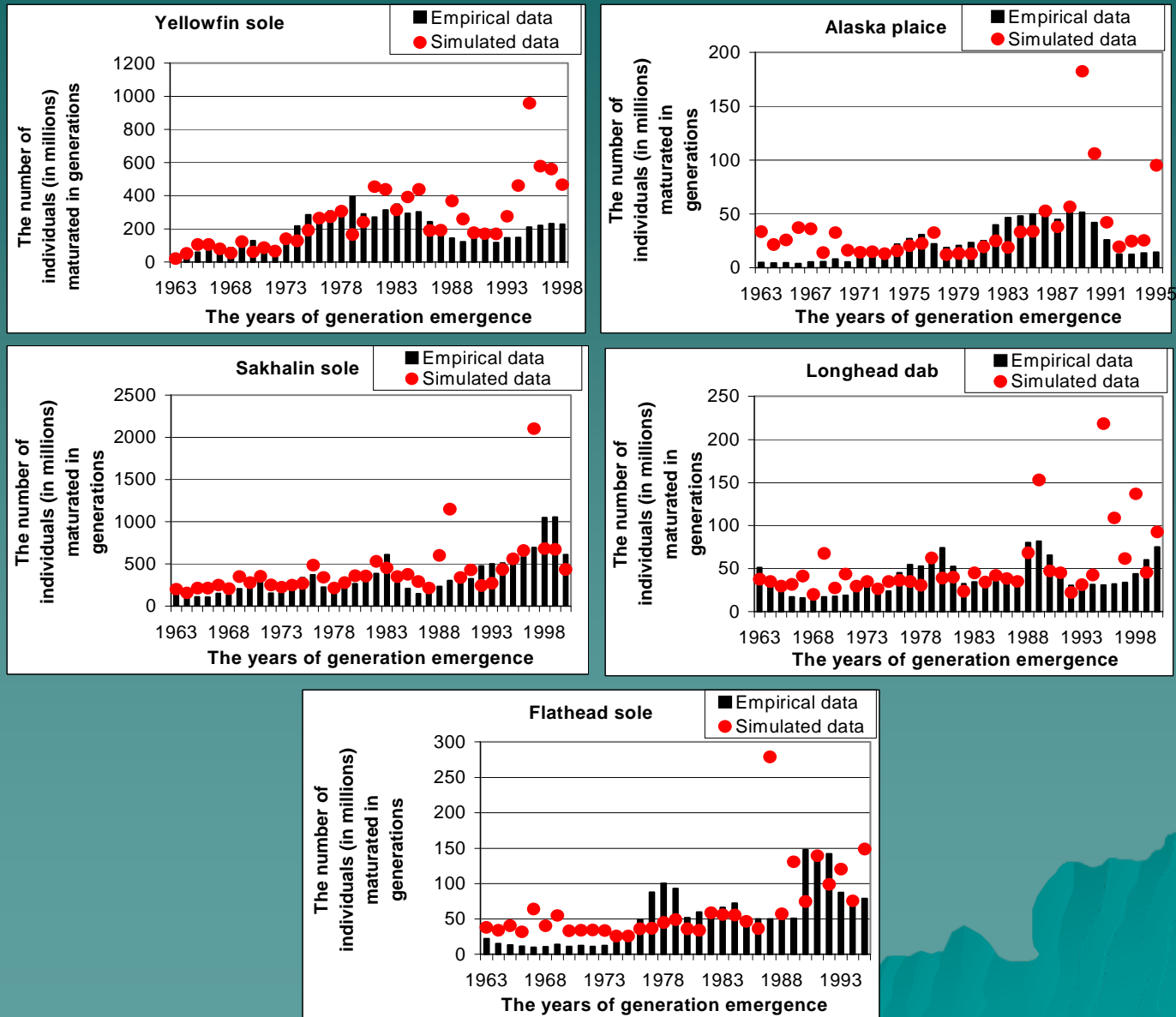
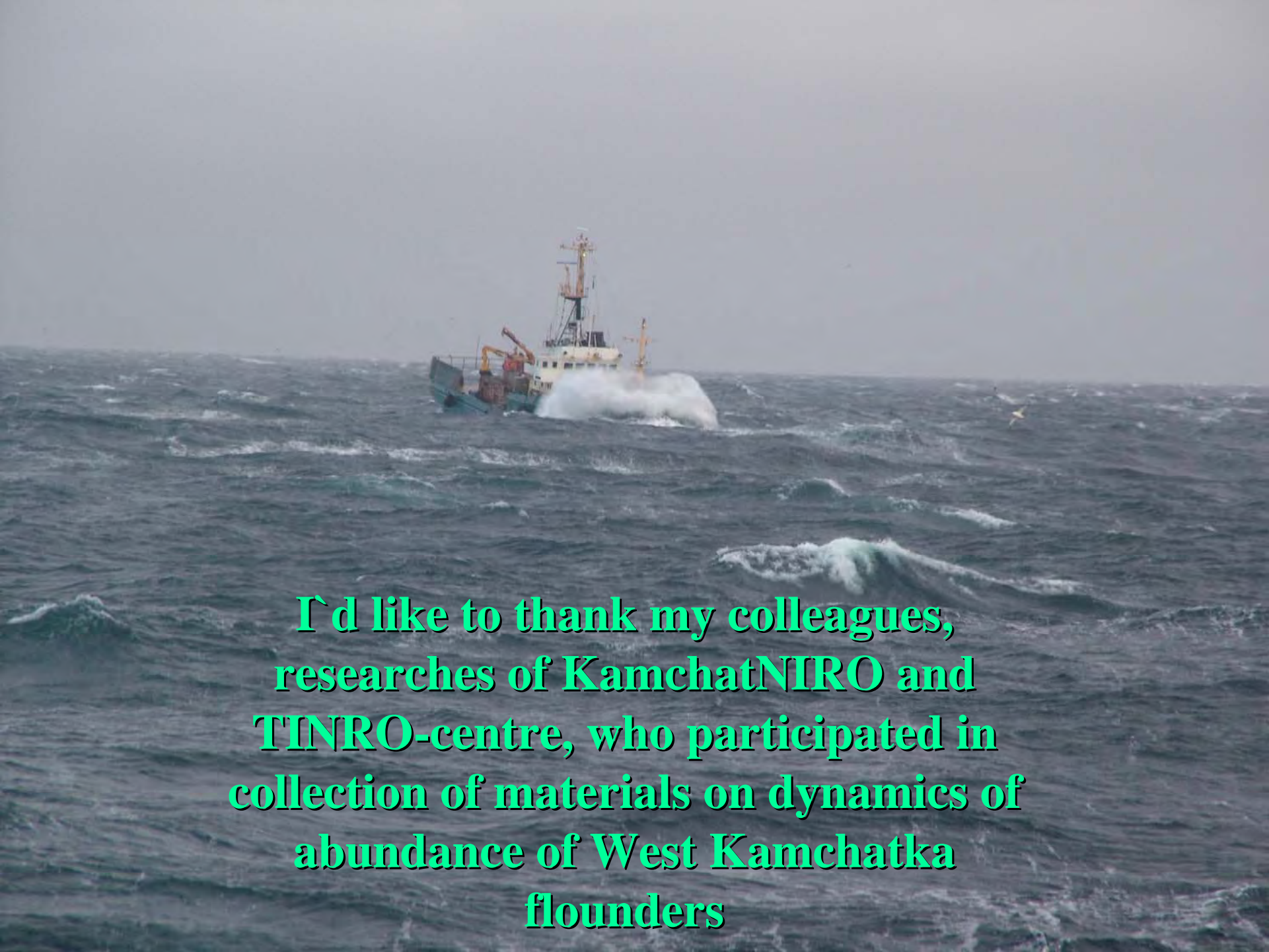


Fig. 8. The empirical and simulated abundance of individuals matured in generations of West Kamchatkan flounders



A research vessel, likely a fisheries survey ship, is seen from a distance, sailing on a dark, choppy sea. The vessel is white with a blue hull and has a complex superstructure with masts and antennas. A large plume of white spray is visible behind the vessel, suggesting it is moving through rough water. The sky is a uniform, overcast grey. The overall scene conveys a sense of a long and potentially challenging voyage.

**I'd like to thank my colleagues,
researches of KamchatNIRO and
TINRO-centre, who participated in
collection of materials on dynamics of
abundance of West Kamchatka
flounders**