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## Long-term variations of the temperature and precipitation in St. Petersburg based on empirical data and model estimates of regional changes in the past and future

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On the basis of observational data for the XVIII-XX centuries, quantitative estimates are obtained for statistically significant trends of temperature and precipitation in St. Petersburg, including estimations for annual mean regimes and for different months. The most considerable increase in temperature and precipitation is found for the cold period of the year. The variance of summer and winter precipitation increased in the second half of the XX century compared to the second half of the

XIX and the first half of the XX centuries. Estimates are also obtained

for variations of temperature and precipitation in St. Petersburg region in the XIX-XXI centuries by climatic models with using IPCC scenario.