



Decadal and interannual changes in the Arctic Ocean during global warming

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Oceanographic data sets including ones from IPY 2007/2008 were used to estimate the changes in the Arctic Ocean after 1990. New method is applied to construct large-scale oceanographic fields when observations are rare. It is allowed to present the oceanographic fields and their anomalies relatively 1970s climate on the large part of the Arctic Basin for 1990s, 2000s and 2007/2008. On this base the changes of AW layer, upper freshened layer, fresh water content are estimated and their consequence discussed.