November 2019, Moscow

In mid-November 2019, the 17-th session of the North Eurasia Climate Outlook Forum (NEACOF-17) was held on the basis of Internet resources with the participation of representatives of the Meteorological and Hydrological Services of Russia and the CIS countries. The forum discussed the main features of atmospheric circulation in June-August 2019, the skill score of forecasts of air temperature and precipitation anomalies for June-August 2019, the expected conditions of the SST in ocean and large-scale atmospheric circulation patterns for the upcoming boreal winter 2019/2020. Following the traditions of NEACOF, a consensus forecast of surface air temperature and precipitation anomalies in Russia and the CIS was developed using an objective approach, and based on the results of hydrodynamic modeling from five forecast centers.

According to the NEACOF-17 outlook, winter season 2019-2020 might be warmer than usual in most of Asian part of the Northern Eurasia. In west and south of Siberia, in the northeast of Yakutia, and in the Chukchi region, the air temperature is expected to be above normal. Warmer than average surface air temperature is forecasted in Uzbekistan, Turkmenistan, Kyrgyzstan, in the south of Kazakhstan and in the north of Tajikistan. In the CIS countries on the European part of North Eurasia, the air temperature is likely to be slightly above normal. Over the rest of Russia and the CIS, forecasts of air temperature anomalies have a large degree of uncertainty. Precipitation outlook for the upcoming winter indicates above normal precipitation over most of Siberia, in the south of the European part of Russia, and in the central and southern regions of Central Asia.
models. Positive (negative) values (in %) mean the number of models with weights that predict positive (negative) anomalies of surface air temperature.

DJF2019 consistency map of precipitation anomaly forecast based on five models. Positive (negative) values (in %) mean the number of models with weights that predict positive (negative) precipitation anomalies.

The consensus outlook is in interest for use in different socio-economy sectors such as energy, agriculture, construction, crisis management centers, transportation, health etc. Particularly, for energy supply systems, this information might be useful to estimate natural gas/coal consumption to operate electricity and heating systems.

Further information can be obtained from Consensus Statement of NEACOF-17. Materials of NEACOF-17