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**Comparison of two subseasonal ensemble forecasting systems using the SLAV072L96 model** / Kulikova I.A., Kruglova E.N., Khan V.M., Zaripov R.B., Mizyak V.G., Tolstykh M.A. // Hydrometeorological research and forecasts. 2025, no. 2 (396), pp. 28-43.

The paper presents a comparison of two ensemble forecasting systems using the SLAV072L96 model: S1 and S2, considering forecasts with a lead time up to 6 weeks. The S1 system uses an ensemble of 61 members, the breeding method is applied to generate the ensemble of initial states. The newer S2 system uses 41 members, the ensemble of initial states is prepared using data assimilation based on the local ensemble Kalman filter. It is shown that despite the smaller number of ensemble members, the S2 system is not only not inferior to the S1 system, but also has some advantages, especially at long integration intervals (up to 46 days). At the same time, both systems are characterized by insufficient ensemble spread and asymmetry in the distribution of forecast values, which requires further adjustment and improvement. It is concluded that the use and further development of the S2 system is preferable.

*Keywords:* forecast ensembles, breeding method, Kalman filter, verification

Tab. 1. Fig. 6. Ref. 20.