NEESPI Science and Data Support Center for Hydrometeorological Information in Obninsk, Russia

Boris G. Shershuykov, V. Yadvgaev, N. Razuvayev, O. G. Buzyaev, Ya. Groisman

1. All-Russia Research Institute of Hydrometeorological Information – World Data Center
Obninsk, Russia

2. National Climatic Data Center
Federal Building, 151 Patton Avenue, Asheville, NC 28801

Fig. 1. Meteorological stations

Fig. 2. Number of stations over time

Fig. 3. Russian State Data Fund

Fig. 4. List of meteorological elements

Fig. 5. Baseline Meteorological Data in Siberia (BMDS) Version 4

Baseline Meteorological Data in Siberia (BMDS) Version 4

Fig. 6. INTAS Project INTAS-01-0077 (2002-2006)

The scientific potential of the baseline archive is significant and should be further utilized by the NEESPI researchers.

Parallel to the direct data flow from meteorological stations to the State Fund, the second data flow exists - an operational (“near-real-time”) data through the Global Telecommunication System mostly for weather forecasting needs. These data also can be used for NEESPI purposes but only as “near-real time data”, i.e., after quality control. The “near-real time” data are available within a month or so. These data are, however, less reliable and should be later replaced by the State Data Fund information.

The third data source for NEESPI is represented by data arrays accumulated during various research projects, field expeditions, experiments, etc. These data are property of institutions, private firms, but very infrequently of “Principal Investigators”. Therefore, access to these data for scientific community can be very difficult.