

**Russian Federation**

**Current state and development potential of Roshydromet surface meteorological,  
upper air and climate monitoring networks**

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Current state of surface meteorological, upper air and climate monitoring networks is presented. A set of observing network maps provides the survey information on coverage and density of observing stations in different areas of Russia. Time and frequency of observations at various stations is another issue of report. Maps of closed stations after nineties years of last century is considered as a set of potential locations to establish new observing sites with automatic meteorological complexes. New scenarios on optimal design and redesign of networks configurations are considered as a potential to extend existed networks in sparse data areas (e.g., Arctic and North-East domains).