



Water resources management in Rostov region (Russia)

O. Nazarenko

South Federal University, Geology&geography, Rostov-on-Don, Russian Federation (olesyanv@mail.ru, 7-863-2189458)

Proper management of water resources leads to the development of the region.

Nowadays there is an urgent problem – water shortage. Many European countries face this problem, Russia is not the excluding. In addition, there is a problem not only of water quantity, but quality as well. Although Rostov region is well provided with fresh water, the water resources are unevenly disturbed within region.

Rostov region is heavily populated and receive moderate rainfall. Groundwater has a limited capacity for renewal. At the same time, Rostov region is industrial and agricultural one that is why pressures from agriculture, industry and domestic users affect the quantity of water resources. Both water quality and availability must be integrated in long-term planning and policy implications concerning water management.

In Russia there are high standards for water quality. Effectively managed water-supply and resource protection systems generate the indispensable basis for agricultural and industrial production. Throughout the Region, urban and rural development has thrived where water sources have been effectively managed.

Rostov region can be divided into three parts: northern districts, central part of the region and southern ones. Main cities in the region have not enough available drinking water. In the region ground water is used for curing and water supplying purpose.