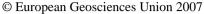
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Future socio-economic development on the base of hydroecological management of Chirchik basin (scenarios and models)

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Central Asia states are going thru complicated period of transfer from strong command economic and social system to market economy. Instability and deviation of economic, social and ecological situation has transformed process of future forecast of water and environment situation into very difficult complex of works. It includes the building of 5 principal branches of possible scenarios of social, agrarian, climatic, water managing and environment development that should be connected by the set of models. These modeling tools use some EU models as HBV, Qual, Moneris and their addition with models created in Central Asia: HydRWT, WatReQ, SEM. The created complex of tools was used for description of existing situation and future development of Chirchik subbasin of the Syrdarya river. Comparison of different options of future development has permitting to select direction of prior measures for increase of wellbeing and national income on the territory of area that presented more developed and dense populated part of Uzbekistan. Comparison of models with actual data indicated to good coincidence. Adoption of models and scenarios was done with participation of broad range of stakeholders. Models were implemented in Basin Water Organization of Syrdarya.