

The Impact of Water Reservoirs on Biodiversity and Food Security and the Creation of Adaptation Mechanisms

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Abstract : Problems of food security and the preservation of reserved zones in the region of Central Asia under the conditions of the climate change induced by the placement and construction of large reservoirs are considered. The criteria for the optimum placement and construction of reservoirs that entail the minimum impact on the environment are established. The need for the accounting of climatic parameters is shown by the calculation of the water quantity required for the irrigation of agricultural lands.

Keywords : adaptation, biodiversity, food security, water reservoir, risk

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