Climate change impacts and adaptation strategie

## Regional-level Impacts Of Climate Change

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The sea water plays fundamental role in the climate regulation cycle. Sea water environment issues transcend national boundaries and concerted actions are necessary to ensure effective protection. Regional-level impact assessment of climate change on the 20-mile Black Sea zone in front of the Bulgarian coast, down to 100-m isobath, is based on research in 2009. Overall view of sea surface temperature (SST) throughout the Black Sea, and SST in the global context and highlights were produced, as well. The influence of Danube's stream on the salinity and distribution of nutrients was found out. Study was performed in front of Capes Kaliakra, Galata, and Emine, along transects with 5 stations each, perpendicular to the Bulgarian coast. Keywords: Black Sea, climate change, hydrological and hydrochemical characteristics