



The impact of climate change on the water resource

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The EU has defined dangerous climate change as an increase in 2 degrees Celsius of average global temperatures. Rising global temperatures will lead to an intensification of hydrological cycle, resulting in dryer dry season, and subsequently heightened risk of more extreme and frequent floods and drought. Climate change is caused by greenhouse gasses (GHGs), which enhance the “ greenhouse “ properties of the earth’s atmosphere. These gasses allow solar radiation from the sun to travel through the atmosphere but prevent the reflected heat from escaping back into space. This causes the earth’s temperature to rise.

Changing climate will also have significant impacts on the availability of water as well as the quality of water that is available and accessible. Possibly, climate change magnificent impact at water cycles in Croatia. It means more droughts, it will have impact in agriculture and natural systems, specially swamp areas. Also, it will be come to reduction river flows, and maybe lower underground water level which used for water supply. Climate change can be impact on intensity of floods and quality/quantity of water. Successes of climate change in Croatia are: decrease volume of precipitation at whole state area; long drought years directly water quantity for irrigation; decreasing drinking water. Ponder able for next 40 years mean temperature will be increase for 2,5 [U+F0B0] C. It assumes that sea level will be increase at 65 – 100 cm. It will be endanger cities and settlements besides coast (cities: Split, Zadar; west coast of Istra; delta of Neretva; islands: Krk, Cres, Lošinj...). Suggestions for next activities: monitoring and notation hydro meteorological information’s; account impact of climate change on the: evaporation, drain, water balance, water management activity, make a region impact study of a possibly account on the water resources. Maintaining and development of water resources and agrotechnical systems and application water management strategy are essential postulate of accommodation that defined economical expansion of the state. Global heating in 21. century in European continent mostly attack Mediterranean and Alps region.