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GLOBAL CHANGE AND LANDSCAPE CHANGE IN HUNGARY

ABSTRACT: RAKONCZAI J., *Global change and landscape change in Hungary*. (IT ISSN 1724-4757, 2007).

Today, an increasing number of observations show that the effects of global climate change can be felt in Hungary. One important long term effect is the decrease of ground water. This paper uses test well data for a GIS model of ground water recession and the prediction of water deficits on the Danube-Tisza Interfluve in Hungary, where the detail of recession is closely related to topography.

Consequent declines in biomass, examined using mutlispectral methods, after 25% of this area. In the «Puszta» near Szabadkígyós a nature conservation area, within 25-years, unvegetated alkaline flats became covered by grass, former alkaline benches were totally eliminated by erosion, while grass and saline vegetation appeared.

KEY WORDS: Climate change, Aridification, Groundwater change, Biomass, Soil, Danube-Tisza Interfluve (Central Hungary).

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