

DISPLAYS OF CHANGES OF A CLIMATE IN POOLS OF THE RIVERS THE WESTERN BUG AND PRIPYAT

Budnik S.V., ScD,

Boris Sreznevskiy central geophysical observatory, Ukraine

Observed changes of a climate on globe cause redistribution of heat and a moisture on territory that leads places excessive dry the soils, and places to sudden strong flooding. Research of change of characteristics of a climate in space and time was spent and spent constantly and for various regions of globe and Ukraine including. Results of these researches find application in various models and прогностических schemes of many reports and managements, as on forecasting consequences, and adaptation to them of territories and the population, etc.

Changes of a climate in territory of Ukraine are shown in growth of temperature of air, quantity of atmospheric precipitation and evaporations, both from a water table, and from ground. As a whole in Ukraine essential difference temperature-humidifying of a mode between decades of end XX and beginnings XXI item is marked.

Carried out researches show change, both average characteristics of a climate, and extreme (maximal and their minimal values). So, for example, on meteorological station Sarny growth of average temperature of air is more distinct (fig.1 a) while change of absolute maxima of temperature of air for a year shows presence of more distinct time cycles on a background of growth in time (fig.1 b). Absolute maximum and a minimum of temperature of air increase, and the difference between them decreases. Average and minimal relative humidity of air for a year (fig.2), despite of growth of quantity of precipitation for a year decreases. The maximal daily quantity of atmospheric precipitation shows presence of some cyclicity and on the average small growth in time, and, in case of loss of a rain, for a day drops out deposits less than 50 mm in 80 % of cases. The maximal intensity of precipitation also has some

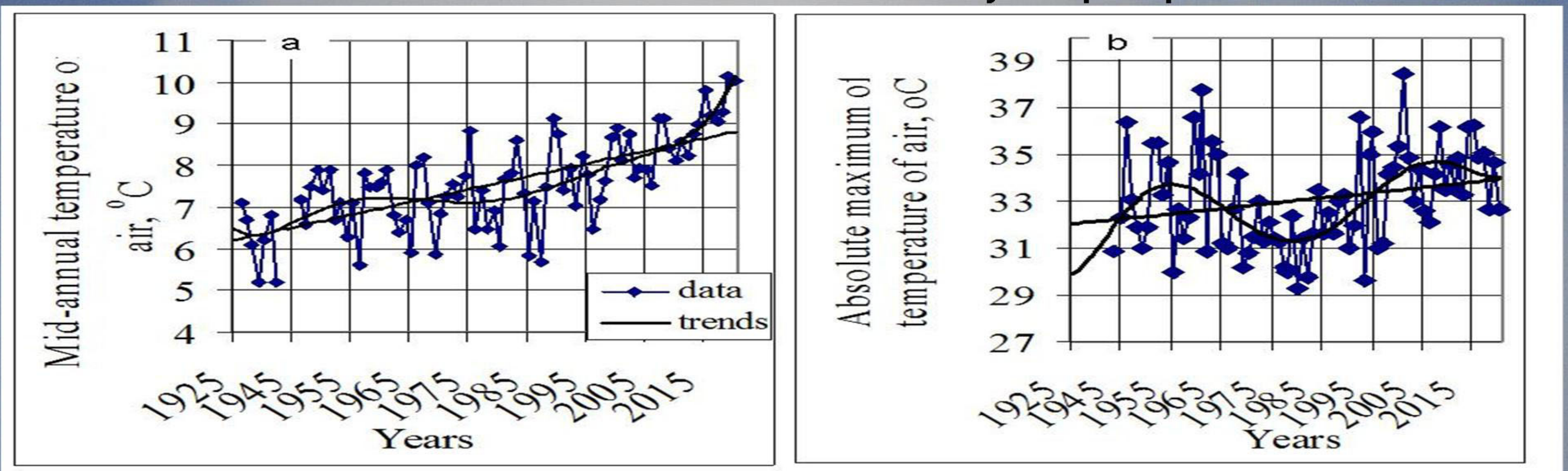


Fig.1. Change of average (a) and maximal (b) temperatures of air on meteorological station Sarny

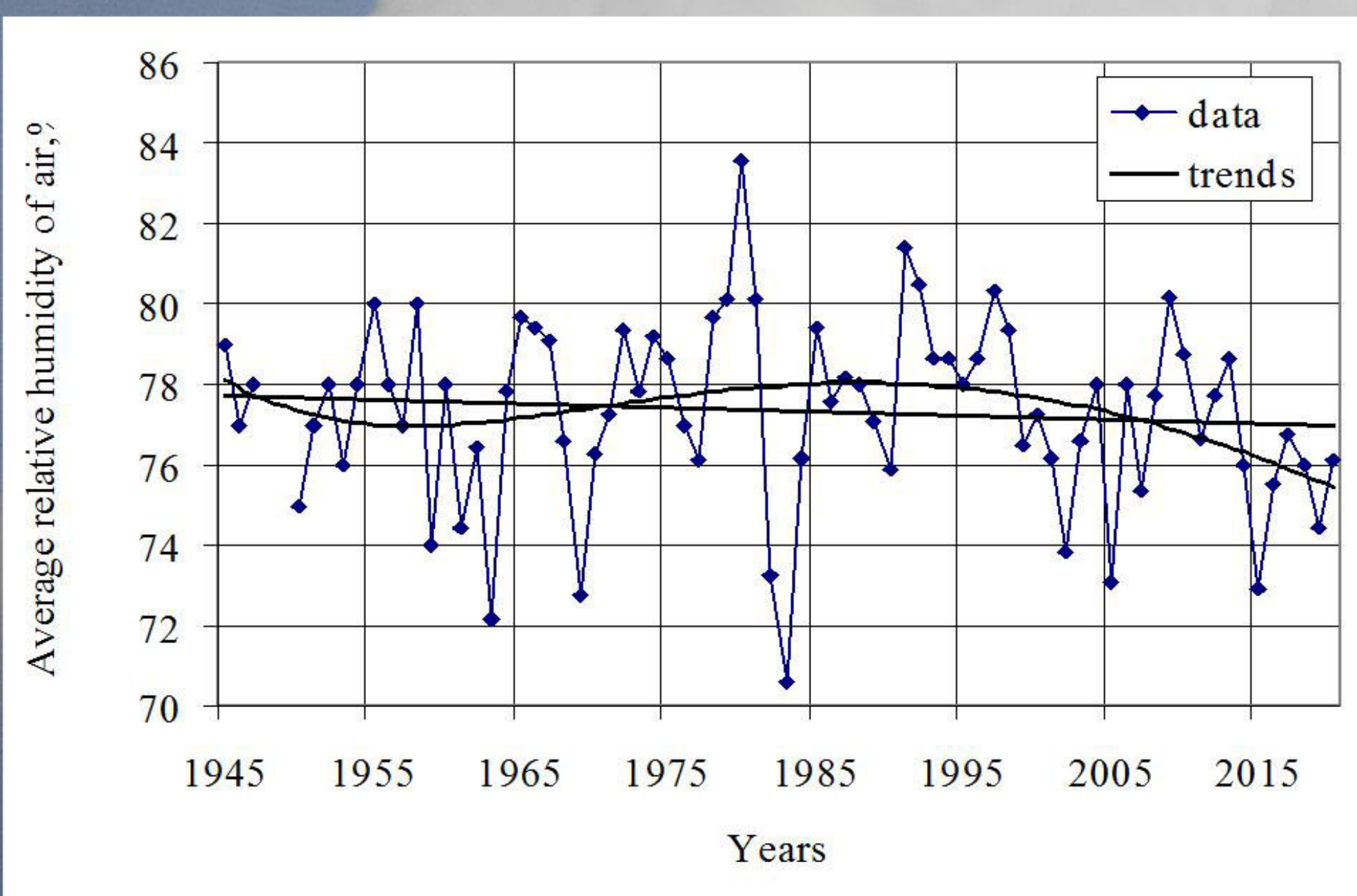


Fig.2. Change of average relative humidity of air for a year on meteorological station Sarny

The action, capable to settle distribution of a moisture and heat on territory the existential organization of territory of land tenure or settlement can act. At flooding the special organization of territory does not allow water to flow down quickly in downturn of a relief and it reduces peak of a high water, i.e. smears a freshet wave, that in itself will lower a flood damage, the water distributed on a reservoir sates the top layer a ground and provides vegetation with a necessary moisture, in agrarian landscapes we promote a crop, and in settlements - a favorable microclimate from the wood landings, asphalt reducing heating - concrete designs and coverings.