



Global warming as a result of total action of anthropogenic and geothermic factors

B.B.Kapochkin, N.V.Kucherenko, V.D.Dolya

Odessa State Environmental University, tsb1@mail.ru

System increases of temperature on the Earth are fixed in the 1997-1998 years. The temperature in March 1998 year differs by the absolute maximum. We analyzed data about the change of concentration of carbon dioxide, about changes of middle level of the World ocean, about changes of ices area. It is set, that an anomalous rise of middle level of the World ocean was marked in the 1997 year. After on year, 1998 the middle level of the World ocean went down. Such lowering of level is impossible explained by the increase of volumes of ice in the arctic latitudes. Such changes are not registered. Vice versa, in the period of lowering level of the World ocean absolute maximums of temperatures were fixed. Analysis of worldwide geodynamic situation from 1992-2006 years allowed us to select seven geodynamic epochs (B.B.Kapochkin 2006). Every epoch is characterized by the features of worldwide seismic, features of display of plastic geodeformations, features of rotary effects. System the correlations of number of strong earthquakes to the number of not strong change. System the number of deep earthquakes and earthquakes with the small depth changes. Data of rapid motions of tectonic flags and change of direction of their motion after 2000 are cited In the 1998 year the geodesic methods set a phenomenon of rapid displacements of the earth's crust on astenosphere. An increase of polar radius of the Earth is fixed in this period. A rise of middle level of the World ocean in the 1997 year is explained by reduction of volume of Earth. It comports with the subsequent increase by the jump of angular speed of rotation of Earth in the 1998 year. Maximal development of this phenomenon are rapid displacements of the North hemisphere in relation to the South hemisphere (to twist vibrations) in 2004-2005 and rapid spreading in Ethiopia at the beginning of September 2005 The tectonic processes in Ethiopia have not analogues in all history of civilization. With the twist variations are linked strong earthquakes in the equatorial area (Indonesia 26.12.04, 28.03.05) Increase of radius of displacement

of pole in the conditions of increase of angular speed of rotation of Earth after 2000 has only such explanation. Sliding the earth's crust on astenosphere in the conditions of reduction of volume of Earth possibly in case of melting a matter in astenosphere. It corresponds to the modern tendencies of development of tectonic processes. A hypothesis is pulled out about that exactly now when geothermic processes are activated the rise in temperature due to the hotbed gases can be a cause of irreversible consequences.