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**Stabilization of energy exchange between Earth and its environment -
space, is the main task to solve ecological problems of the planet**

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1. IKRAM KERIMOV 2. Seymur Kerimov 1. Scientific Center of Seismology of the Presidium of National Academy of Sciences, Azerbaijan Republic 2. Seismotech Globe B.V., Netherlands The problem of global ecological changes is the most important and demanding for human society today. All other problems appear non material compared to cataclysms anticipated by scientists. The cause and consequence relationship of upcoming catastrophe as well as preventive measures against it are explained and presented by us differently from those that exist currently in a scientific world. Our major conclusion says that for the last 50-60 years some processes on the Sun's surface have artificial character. The level of Sun radiation that hit the Earth is artificially increased, and the energy exchange between the planet and space its environment, is brought out of balance. The planet is tensed as a consequence of technogen processes, and such agitation is similar to source-tension adherent to a pre-earthquake period. Some time ago, our conclusion regarding such pre-earthquake tension was instrumental in understanding of the earthquake mechanics. We realized that the earthquake zone is not only the source of seismic radiance, but also absorbs wave energy from the environment in a wide range of frequencies and amplitudes. Moreover, the further the processes develop the more and more energy it consumes from the environment. From the very moment of its inception, the source of tension behaves like an energy pump that consistently develops its energy taken from the environment, and, thus, accumulating energy in itself. Consumption of external energy leads, in turn, to increase of own vibro processes within a source and, consequently, to even bigger consumption of external energy. Hence, a peculiar auto-vibration system earthquake source energy field of Earth sets itself up, which assists in creating a major impact. We may presume that the effect when one space object is attracted to other is explained not only by its gravitational field, but its stressed state, own vibration processes, that increase or decrease its pulling force. Uncontrolled technogenic activity of human race has led to artificial agitation of the Earth, which is in a constant energy exchange with the space environment, and aided in bringing it in disbalance and increase of space energy acquisition: as a result, artificially enlarged level of energy taken by the globe and decrease the level of released energy. Establishment of the international seismological and geophysical network would help to detect the sources of mentioned induced negative processes, to manage the states of the medium and to step to stabilize and balance natural processes.

