Short Communication **Open Access**

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Climate Solutions based on advanced scientific discoveries of Allatra physics

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Abstract: Global climate change is one of the most important international problems of the 21st century. The overall rapid increase in the dynamics of cataclysms, which have been observed in recent decades, is particularly alarming. How do modern scientists predict the occurrence of certain events? In meteorology, unusually powerful cumulonimbus clouds are one of the main conditions for the emergence of a tornado. The former, in their turn, are formed during the invasion of cold air on the overheated land surface. The satellite captures the cloud front, and, based on these pictures, scientists make assumptions about the possibility of occurrence of the respective natural phenomena. In fact, mankind visually observes and draws conclusions about the consequences of the physical phenomena which have already taken place in the invisible world, so the conclusions of scientists are assumptions by their nature, rather than precise knowledge of the causes of the origin of these phenomena in the physics of microcosm. The latest research in the field of the particle physics and neutrino astrophysics, which was conducted by a working team of scientists of ALLATRA International Public Movement (hereinafter ALLATRA SCIENCE group)[1], offers increased opportunities for advanced fundamental and applied research in climatic engineering.

Keywords: climate change; septon field of Earth; climatic engineering; primordial Allatra physics; experimental adaptive mechanisms

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1 Introduction

Today, there is a risk of misunderstanding and underestimating all the factors and the scale of influence of various cosmic and geological processes on global climate change. Recently, at the end of the 20th century, scientists put forward various hypotheses and theories about gradual climate change. But in practice everything turned out to be somewhat different. A thorough analysis of the growing number of natural disasters and extreme weather events around the world, in recent years, has shown a disturbing tendency towards their significant increase over a short period of time. This data indicates that the assumptions which were put forward by a number of scientists about the gradual nature of climate change of the Earth within 100 years and more are incorrect, as in fact, this process is much more dynamic.

The mistake was that historically many scientists did not take into consideration the influence of the increasing acceleration of the Universe, cosmic factors, and astronomical processes on the condition of the global climatic system. All this, naturally, is affecting not only the Sun but also the other planets of the Solar System, including the giant Jupiter, not to mention our planet. The global climate change on Earth is mostly a derivative of astronomical processes and their cyclicity. This cyclicity is inevitable. The geological history of our planet indicates that the Earth has already repeatedly experienced phases of global climate change.

Even that public information about global climate change that is now accessible to the world community shows the development of an extremely negative situation for mankind [1].

2 Experimental procedures

In November 2014 the report "On the Problems and Consequences of Global Climate Change on Earth. Effective Ways to Solve These Problems" [2] was released by ALLATRA SCIENCE group. The report concludes that, mankind has less than 50 years remaining! We have several decades at most, given the impending events. The observed increase in the growth of dynamics of global cataclysms indicates today, that mankind has entered the era of global climate change, and this problem can no longer be regarded as a purely scientific one. It is known that in 2011 this process started to enter a new active phase, as evidenced by

1 allatra-science.org, last accessed 10 April 2016.

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jumps of the released seismic energy, which were registered during the more frequent powerful earthquakes, as well as an increase in the number of powerful destructive typhoons and hurricanes, change of the storm activity occurring everywhere, and other anomalous natural phenomena[2]. Around 7% of all the volcanoes of the planet are concentrated on the Japanese archipelago, including a supervolcano - the giant volcanic Aira caldera, which today, due to the activity of its volcanoes, represents a serious danger.

Moreover, among the disturbing facts are the acceleration of tectonic plate movement, growth of the rate of activity of the processes, aggravation of problems of the global nature, including seismic, volcanic, and solar activity, change of the magnetic field of the Earth and of the drift velocity of the magnetic poles of the Earth, shift of the Earth's axis, and the change of albedo of the planet and its orbital parameters. Besides, there is an increase in the surface temperature, the melting of permafrost, a reduction of the area and the mass of ice-cap of the land and polar seas, rising sea and ocean levels, changes of river flow, occurrence of severe weather phenomena (droughts, floods, and typhoons) and much more. That is, numerous facts of changes, which are taking place in the lithosphere, hydrosphere and atmosphere of the Earth, have been registered.

Today, thanks to ALLATRA SCIENCE group, there is a proper fundamental scientific basis that can unite many talented people, for whom Humanity and Conscience are the main criteria of their activity. Recent developments made by the ALLATRA SCIENCE group testify to an evolutionary breakthrough in the field of new theoretical and practical physics, the research of which has been conducted since 1996. This is exactly the physics that gives answers to the following fundamental questions: "What does primary matter consist of?", "How is it transformed?" and "Where does it disappear to?" As a result of offering the fundamental answers to these questions, which open a new era of scientific development, this physics was named the PRIMORDIAL ALLATRA PHYSICS which contains basic information about the elementary principles of physics of fundamental particles, regularities of their interaction.

New developments in the field of climatic engineering offer great opportunities and prospects for further scientific activity in this direction. Since 2013, scientific teams of ALLATRA SCIENCE have started research in the field of volcanology based on physics. This research was related to the behaviour of neutrinos and the septon field of the Earth, as well as to the development of new methods of forecasting volcanic eruptions and the study of the present magmatic formations of geodynamic environments. The scientists of ALLATRA SCIENCE group, who work in the field of neutrino geophysics and neutrino astrophysics, have established certain correlations while observing the behaviour of neutrinos coming from the Earth's interior. They discovered another unusual phenomenon related to the change in the intensity of the septon field of the Earth. A previously unknown fact was identified that takes place prior to a natural disaster: literally 7-8 hours before a tornado occurs, there is a sharp increase in the septon field intensity in the places of its origin and along its further route.

The septon field is a common universal field thanks to which all the fundamental interactions in the material world take place. It is at the core of any phenomena, process, object and their components. Both the objects of macrocosm and the objects of microcosm have their own septon field. The knowledge of the septon field are the key one for the understanding of the material world at all levels of its existence. It can give answers to such questions as: what is time, space, gravity, electromagnetism, the nature of the electric current, what makes the particles and objects move and strive to survive, interact with each other. The unique structure of the septon field, its minimal component is a septon (the modern term which is used in the PRIMORDIAL ALLATRA PHYSICS)[3]. The word septon derives from the Latin word "septem" which means "seven". Such name was given due to the number of elements in this structure. The field of volcanology is related to the study of behaviour of neutrinos and the septon field of the Earth, as well as to the development of new methods of forecasting volcanic eruptions and the study of the present magmatic formations of geodynamic environments.

It was discovered that the total neutrino emission and the intensity of the septon field of the Earth decreased by 12% during the period from January 2010 to October 2014. At the same time, an increase in neutrino emission and in the septon field intensity is being observed in the "focal" areas of the planet.

This fact is extremely alarming because it indicates that the processes occurring in the Earth's interior are becoming irreversible. Natural disasters have no "frontiers", the consequences and disasters that bring worldwide cataclysms extend far beyond "focal" specific state and, in one way or another, apply to all the inhabitants of the Earth. New developments in the field of climatic engineering offer great opportunities and prospects of further scientific activity in this direction. They make it possible to moni-

2 http://earthquake.usgs.gov/earthquakes/map/, last accessed 10 April 2016.

tor climate, determine the course of events related to climate change based on multifactor analysis, identify compensatory mechanisms of nature, and launch the relevant local or general actions aimed at changing climate conditions. The latest developments in this field make it possible already today to identify quite accurately the "focal" or the so called "problem area" on the planet, which will trigger irreversible changes in the near future[3].

3 Results

The first encouraging results of long-term observation (since January 2013) of Aira Caldera (Kagoshima Prefecture, Kyushu, Japan) have shown the importance of using experimental adaptive mechanisms. The North American lithospheric plate is not as whole as it previously seemed. The latest data indicate that on the continental crust of this plate, an intensive formation of a split takes place, which transitions into a rift along the border that practically divides the territory of the present USA into two halves. The intensity in of the fracture formation line increases with each passing day.

Adaptive mechanisms make it possible to determine the phase variability and the dynamics of the processes taking place in the Earth's interior, which relate to the formation of specific conditions for tectonic phenomena, and to identify their determinants. The developed adaptive mechanisms are based on the feedback principles: in response to external or internal changes, they cause an ezoosmic impulse that stimulates the creation of conditions for adequate responses and counter shifts (i.e. counteraction, which is equal in activation force at the ezoosmic level). Such a discrete stimulation lasts until the balanced relationships between endogenous and exogenous forces are rebuilt, which cause the phenomena, triggering the problems of interaction between tectonics and magmatic processes. This could lead to earthquakes and volcanic eruptions. Thus, these adaptive mechanisms stabilize and maintain this relatively safe level, giving a certain sustainability in the face of constant variability of conditions of this environment, as evidenced by Figure 1.

The ezoosmos is an inner energy impetus, carrying in it the potential, i.e. the force and information program of any action in the material world, including the emergence of life. Everything in the material world exists due to inner potential. Its quantity and a prompt process of replenishment of any object, field, particle and so on by it defines the quality and the quantity of existence of this object, phenomenon, etc. in the visible and invisible material world. Understanding the process of ezoosmos, it is possible to find answers to many questions of physics, including quantum physics. For example, today it is known that the main characteristic of atom is its inner energy. The atom represents a quantum system (i.e. is a subject to the laws of quantum mechanics). Its total inner energy is quantized, i.e. takes a discrete (intermittent) range of values that correspond to the stationary (stable, invariable in time) states of atom. In modern science it is claimed that the quantization of energy of atom is a consequence of wave properties of electron. But what does the electron itself consist of and how does its transformation from a particle to a wave and vice versa occur ? What initially determines the quantum state of the atoms of chemical elements? These and many other questions of physics become clear, when the process of ezoosmos is taken into account. It is a fundamental process thanks to which the material world exists.

Thus, the conducted research identified an extremely alarming fact. Judging by the graphs of neutrino emission and the intensity of the septon field of the Earth, there is a close parallelism between the processes taking place in the most ancient calderas: Aira Caldera and Yellowstone Caldera (Wyoming, USA), despite the fact that they are separated by the Pacific Plate.

It has been observed that the processes taking place in the interior of the calderas, are interconnected in some way and are often interdependent. It was determined that even after the activation of adaptive mechanisms in Aira caldera, neutrino emission and the septon field intensity recorded in the areas of both Aira Caldera (Japan) and the Yellowstone Caldera (USA), remained practically identical. The Figure 2 shows the curve that indicates their steady growth, despite the artificial restraint on the seismic activity in Aira Caldera with adaptive mechanisms. All these and many other factors point to the accumulation of energy in the Earth's interior, which, when released, may trigger a devastating worldwide catastrophe. According to the calculations made by the experts of ALLATRA SCIENCE group, this will happen in the coming decades. In the case of a simultaneous eruption of the two supervolcanoes (Aira Caldera and the Yellowstone Caldera) located in different parts of the world, there is a threat of a total annihilation of mankind. In Aira Caldera, the dynamics of seismic activity has decreased significantly after adaptive mechanisms have been activated. In the Yellowstone Caldera, where seismic activity is developing in a natural

3 https://www.intellihub.com/fema-official-warns-everything-west-of-interstate-5-will-be-toast-massive-natural-disaster-coming/, last accessed 10 April 2016.

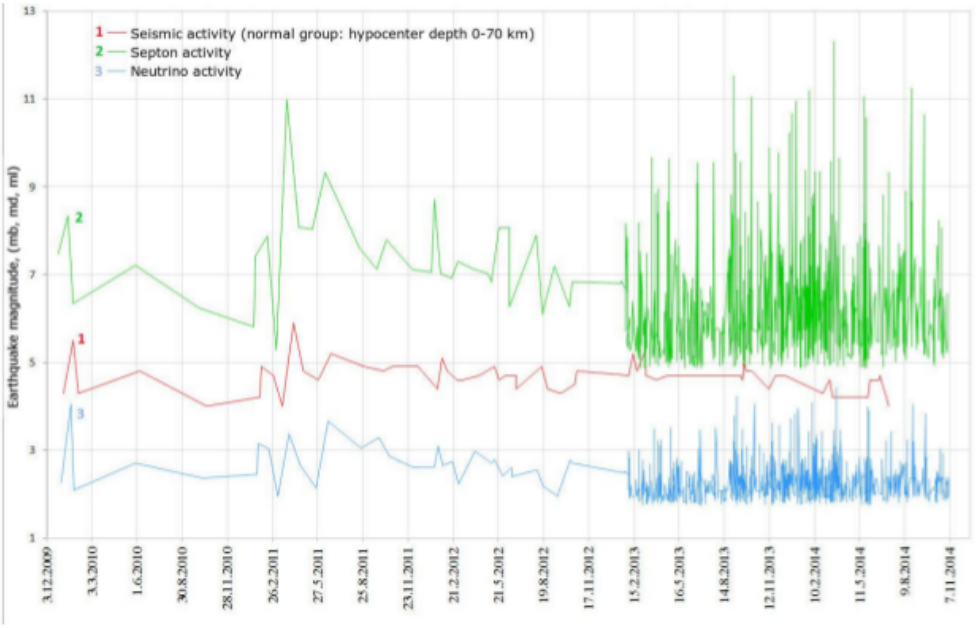

Figure 1: Seismic, septon, and neutrino activity in Aira caldera area (Japan) in 2010-2014.

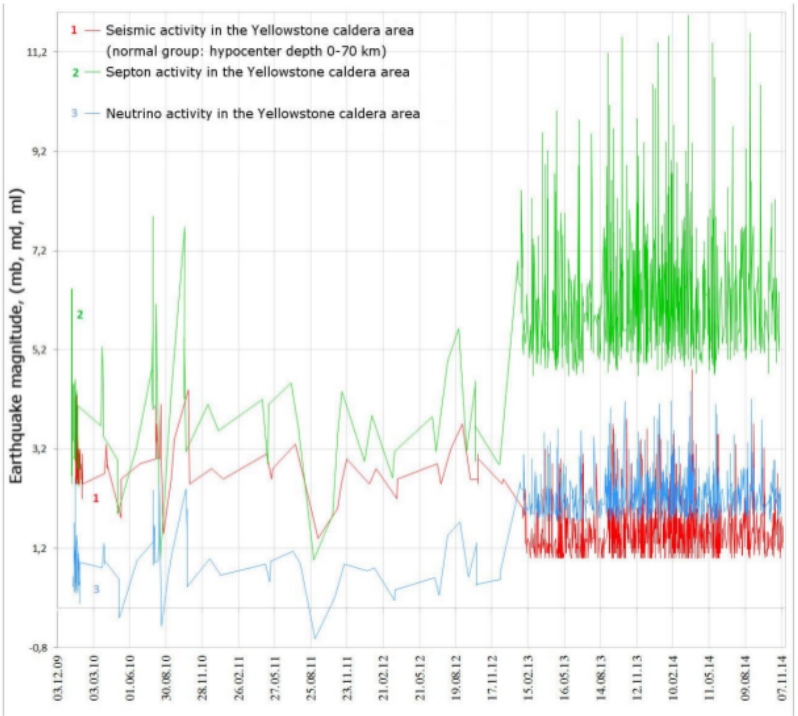

Figure 2: Seismic, septon, and neutrino activity in the Yellowstone caldera area (USA) in 2010-2014.

way, the seismic activity has increased significantly over the same period of time.

With the development of the PRIMORDIAL ALLATRA PHYSICS, we can confidently say that it is quite feasible to control the natural processes, taking place on Earth. For example, observations of atypical behaviour of neutrinos and the septon field conducted during the research in the field of volcanology and seismology, make it possible to draw the following conclusions.

The probability that the Japanese archipelago and life on it may be destroyed in the next 10 years as a result of major eruptions and earthquakes is 70%. Furthermore, the probability that this will happen within the next 18 years is 99%. However, given the influence of cosmic factors as well as of an increased seismic and volcanic activity in this region, a global catastrophe could happen at any moment. This raises a particular concern for the people living in these areas, and it gives a clear understanding of the fact that it is necessary to consolidate efforts of the international community in order to contribute to saving the lives of more than 127 million people and move them, to safer regions, in advance.

4 Discussion

In the nature there is a continuous process of movement and transformation of matter at different levels of its organization, at different speed, with different phase states, physical and other conditions, etc. The fundamental task of modern physics is to find the first cause which operates according to the unchangeable law and determines all the diversity of consequent causes that change phenomena and course of events.

References

[1] Andreeva O., Renewable energy law and policy review, RELP, 2015, 6, 235.

[2] Vershigora V. *et al.*, Report: On the problem and consequences of global climate change on Earth, effective ways of to solve these problems, ALLATRA Publishing House, Kiev, 2015.

[3] Vershigora V. *et al.*, Primordial ALLATRA Physics, ALLATRA Publishing House, Kiev, 2015.