

## LIVING PLANET EARTH: MYTH OR REALITY?

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**Abstract.** This article presents the following problem: a person's desire to understand the patterns and causes of certain processes occurring on Earth, to find out, perhaps, the most important secret of his native planet – is our Earth alive? Currently, this issue is becoming particularly relevant, since in the 21st century various natural disasters occur in the natural environment, which have a direct negative impact on the multifaceted human life. Thus, the purpose of this article is to study the evidence confirming the fact of the "life" of the Earth. As the main results of the study, several reliable proofs of the "vital activity" of our planet are given with a detailed description of each of them and some views of scientists on the future existence of the human race are given.

**Keywords:** "living" Earth, natural disasters, natural processes as evidence of the "vital activity" of the Earth, humanity, human activity, the connection of human activity with the development of natural disasters, predictions of scientists.

### Introduction

The planet Earth, on which we live, holds many secrets. Humanity, with the help of science, tries from century to century, from year to year to reveal them. Our planet has now been studied quite deeply: a person has studied all the shells of the "green" planet (lithosphere, hydrosphere, atmosphere and biosphere), many processes occurring in these shells; he has learned to influence them, to benefit from natural relationships and interactions of various components. However, despite the peaceful existence with nature through, for example, the creation of nature reserves, national parks, where all the necessary conditions are provided for the preservation of rare (rarest) species of flora and fauna, man still causes great harm to nature. Currently, there are many natural disasters in the world: powerful thunderstorms, atmospheric vortices (hurricanes and tornadoes), floods, tsunamis, earthquakes, etc. All these phenomena cause significant harm to all living organisms, and they also pose a danger to humans for all types of their activities. There is some connection between the ugly attitude of mankind to nature and the "response" of the Earth in the form of the above-mentioned natural phenomena. The situation in the world currently has such a pattern. Landfills, greenhouse effect, pollution of water, air, soil – this is not the whole list of problems that arise due to human fault. And the Earth strikes back, the mechanism of action of which is similar to human immunity when foreign objects enter his body: viruses, bacteria, etc. I think it is for this reason that our planet should be considered as "alive", like people themselves and other living organisms.

### Results

The hypothesis of a "living" Earth was developed back in the 80s in the USSR, however, behind the

scenes. Its origin was laid by a field expedition led by Candidate of Geological and mineralogical Sciences I. Yanitsky, who discovered an amazing phenomenon: the release of deep helium gas from cracks in the areas of faults of the earth's crust. Helium increased sharply several times a day and fell just as sharply, as if a huge living being was breathing in the bowels of the earth. This phenomenon was explained by Professor V. Lugovenko, a leading researcher at the Institute of Terrestrial Magnetism, Ionosphere and Radio Wave Propagation (IZMIRAN). In his opinion, the Earth "breathes" through cracks in fault zones and "pumps" cosmic energy through its bowels, like a living organism.

A real breakthrough in the study of the Earth as a single living organism was made by English scientists Hartman and Curry, who discovered the so-called "energy grid" on the surface of the planet, which was later named after them. Hartman and Curry, measuring electromagnetic indicators in geometrically located zones - "cells", found out that these cells "open" and "close" depending on various cosmic factors, in particular, the location of the Moon and planets. They proposed a version that thanks to this grid, a living intelligent Earth emits and receives certain signals - "talks" with other planets that are also alive and intelligent. Hartman and Curry initially believed that the grid covers only certain areas of the earth's surface, but recent studies have shown that the entire surface of our planet is a continuous energy network, being, in fact, a single receiving and transmitting device [1].

According to scientists, serious twists and turns in the life of mankind are connected in a special way with the processes inside the earth's crust. In the 20s of the last century, the Indian physicist and biologist Jagadish Chandra Bose set out to scientifically prove that everything on Earth is alive. He determined that plants and animals, as well as tin, copper and other metals actively reacted to physical irritation, felt tired during prolonged exertion and regained their strength after rest. And the measuring device drew a graph of responses, which turned out to be the same for everyone. As it is known from biology, irritability is the main property of life. Consequently, literally everything that fell into his hands turned out to be alive in the experiments of the Indian physicist, which means everything that exists on our planet. It can be said that the transition from inorganic to organic forms is not as abrupt as it seemed at the beginning [2].

L. Margulis, an outstanding biologist of the late 20th century, and the British scientist D. Lovelock showed insufficient validity of the picture of biological evolution. Darwin. By defining the mechanism by which living organisms adapt to environmental changes, Charles Darwin made it clear to us that life on Earth is a continuous process, growth and reproduction, as well as the transmission of genes inherited from a common root. From his point of view, the Earth was a kind of "stage with changing scenery" to which life had to adapt. But who changed the scenery? Margulis and Lovelock suggested that the planet Earth is not dead, but is an animate part of a larger entity consisting of the biosphere and "inanimate" matters that give shape to the biota of the Earth, are responsible for it and pass through it cyclically. Yes, life adapts to environmental changes and is formed by natural selection, but it also opposes the environment, changing it, and the planet itself. Now this is as obvious as the oxygen-filled air we breathe. Thus, evolution is not a series of attempts to adapt to inanimate events, but a system of responses and exchange. Life did not just adapt to the dynamically changing appearance of the planet. Most likely, there was a mutual formation of living organisms and the Earth in the process of their joint evolution. If we look at the planet from this point of view, we will see that everything - coral reefs, limestone rocks, estuaries, swamps and islands of cave guano - is part of this larger living entity. It will become clear that the surface and bowels of the Earth are alive [3].

We know about the existence around us of numerous microorganisms, animals, insects, plants that we do not always need, and we quietly coexist with them. But as soon as these representatives of flora and fauna enter the territory of a person, he declares war on them. The purpose of hostilities is often not the destruction of the enemy to the last representative, but only the cleaning of certain territories (cities, vegetable gardens) or limiting the number of over-bred weeds and cockroaches.

Our Earth behaves in a similar way. When the number of people exceeds reasonable limits or a person becomes a source of concern, protective mechanisms are activated. Epidemics, natural disasters - these are the means of prevention and preventive disinfection. Previously, there were still wars in the arsenal of the Earth. But after a man came up with an atomic bomb, war as a means of enlightenment and purification had to be abandoned. Deadly viruses were used [4].

There is a version that the Earth protected itself from the cosmic aggressor. It seems unthinkable. However, the ancients were convinced that our planet is a living being, only of huge scale and enormous complexity. Our planet has a more serious protection from asteroids that bombard it every second, in addition to external, electric and magnetic fields – it is a bulletproof vest made of a dense atmosphere. Space boulders bounce off it with a ricochet and are carried away into space again. Or are destroyed by huge air resistance. Many may object that the laws of physics, chemistry and other sciences apply everywhere, rejecting the fact that the Earth, like other planets of the universe, is alive. What they can be offered to do is to conduct a simple experiment – throw a huge cobblestone on the floor in the apartment and see what kind of destruction it will bring to your floor. And then ask: "Why didn't the floor reflect the fall of the stone?" The answer, for reasons, is obvious – he's just not alive [5].

The article also contains some views of scientists on the future existence of the human race. Humanity has been living on planet Earth for only a few millennia. The earliest human settlements appeared about 6-8 thousand years ago. Of course, it is a long time for human development, but if you look at the scale of the entire planet, it is only a brief moment. However, our fate is closely linked to the state of the planet and the climate. Scientists are already noticing changes, which makes us think about the future. Of course, it is impossible to say exactly what will happen to the planet in many years. But in the presence of modern technologies, we can assume a lot of acceptable options.

Many people know about the Chernobyl disaster, which occurred in 1986. The exclusion zone due to the accident was 2,600 km<sup>2</sup>, people cannot live in this territory. Only after 20 millennia this area will become completely safe to live in.

When 300 thousand years have passed, the Wolf-Rayet star from the binary star system WR 104 will explode into a supernova. Scientists suggest that this explosion can trigger a gamma-ray burst that will destroy a quarter of the Earth's atmospheric layer. Accordingly, all living things will also be destroyed. This will happen if the Wolf-Rayet poles are aligned 12 degrees or lower with respect to the Earth [6].

According to one of the main scientists of our time, Stephen Hawking, the center of our galaxy – the Sun – will swell and swallow the Earth. The time window in which this can happen is determined by the lifetime of the Sun, and it is about 10 billion years. During this time, an intelligent life form must potentially master space travel in order to be able to move to another star. But if escape proves impossible, life on Earth will be doomed.

If the human race manages to redesign itself, reduce or eliminate the risk of self-destruction, it will probably be able to spread and colonize other planets and stars. However, long-distance space flights will present considerable complexity for life forms based on chemical processes based on DNA (which we are). The natural lifespan of such creatures is much shorter than the travel time. According to the theory of relativity, nothing can travel faster than light, so a flight to the nearest star and back will take at least 8 years, and to the center of the Galaxy – about 50 thousand years [7].

## **Conclusion**

A person wants to understand the patterns and causes of certain processes occurring on Earth. But, unfortunately, in a number of such studies, people are more harmful to nature. And the Earth strikes back, the mechanism of action of which is similar to human immunity. It can be assumed that it is for this reason that our planet should be considered as "alive", like other living organisms.

The article provides evidence confirming the assumption about the reality of the existence of the "living" planet Earth. For example, according to Professor V. Lugovenko, the Earth "breathes" through cracks in fault zones and "pumps" cosmic energy through its bowels, like a living organism.

The article also describes the evidence supporting the assumption on the topic of the article. An example of one of the proofs is indicated as follows: the Indian physicist and biologist Jagadish Chandra Bose determined that plants and animals, as well as tin, copper and other metals actively reacted to physical irritation. And the measuring device drew a graph of responses, which turned

out to be the same for everyone. This means that literally everything that fell into his hands turned out to be alive in the experiments of the Indian physicist, which means everything that exists on our planet.

Thus, it is safe to say that the "living" planet Earth is not a myth at all, but a reality.

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