

## Man Influences the Water Cycle and the Water Cycle Changes the Climate

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We turned the water into a working reagent, forcing it to rotate the turbines, to carry warmth, to wash and dry everything that a person uses from washing hands to evaporating from cooling the reactors of nuclear power plants. Technogenic processes associated with water - pumps, turbines, pipelines, as well as heating, chemical, physical and any other influences - change its natural structure. Volumes of such waters can easily be imagined if we mentally summarize what passes through the turbine blades of hydroelectric power stations of the whole world, all water pipelines. To this, you can add moisture to the air, sucked up by all the engines, compressors and many other mechanisms [1-2].

All used water, passed through water pipes, power plant turbines drain into the seas and oceans and cover their surface and evaporate into the sky with a distorted structure.

In the circulation of water through the atmosphere and soil, it undergoes a certain cycle of transformation. Changes occurring in the water as a result of external influences are stable in time and change their structure in a given mode, under given conditions.

Based on relevant studies, it is possible to prolong judgments and assume that such waters carry to the clouds various structures from each individual, living creature, each plant.

Evaporation from arable land, man-made reservoirs, asphalt, from technological processes - all these are artificial evaporation. To these, you can add water vapor that passes through the cylinders of the working internal combustion engines, compressors, furnace furnaces, where they are heated by hundreds of degrees, are discharged into the atmosphere with a distorted structure [3]. How many such mechanisms are there in the world? Especially humid is the air in the clouds, through which airliners with turbine and jet engines regularly pass. The same volumes of air burn marine ships whose engines absorb moist air on the surface of the oceans, locomotives of railways around the clock.

In winter time a person develops huge areas for cleaning roads and squares of cities and other surfaces from snow. Sealing snow with wheels and snow removal also breaks the structure of snow crystals. This snow also evaporates, carrying the destroyed structure into the sky [4-7].

It is not known what happens to the pairs of waters of the destroyed structure in the clouds. Maybe the change in the substance of the clouds, and does not affect the mechanism of atmospheric phenomena at all, but the fact that artificial evaporation increases with the volumes and speed of circulation between the atmosphere and the soil is a fact that should be taken into account.

It is known that: "Since the beginning of the 20th century, according to UN experts, the increase in CO<sub>2</sub> emissions was from 0.5 to 5% per year [8]. As a result, over the last hundred years, 400 billion tons of carbon dioxide have been supplied by combustion of fuel to the atmosphere" or 4 billion tons a year.

Every year, people irretrievably take from rivers and lakes about 2000 cubic meters km fresh water, which is about 5% of the flow of the world's rivers [9]. Annually, all this water through the canalization and evaporation leaves into the atmosphere without organic changes.

In the 1st cubic km there are  $1000 \times 1000 \times 1000 = 1000000000$  or 1 billion cubic m. multiply by 2000 and get 2 trillion cubic meters or 2 tonnes of water. We believe that all this water is in the balance of the circuit. As much it rises into the atmosphere. Therefore 400 billion tons of CO<sub>2</sub> in 100 years or 4 billion tons per year is 0.2 percent in the composition of evaporation. It should be added to this, the volumes of natural biota waters that leave the remaining land are  $100 - 63 = 37\%$ . This percentage is rapidly declining with the development of production. As confirmed by reference data [10]: "The Earth's atmosphere is to a large extent a product of living organisms. The approximate composition of the Earth's atmosphere: 78.08% nitrogen, 20.95% oxygen, a variable amount of water vapor (average about 1%), 0.93% argon, 0.038% carbon dioxide, and a small amount of hydrogen, helium, other noble gases and pollutants". Here it is "an average of about 1%" a long-obsolete figure and needs clarification. According to the carbon dioxide gas, it was calculated and determined the growth: from 0,038 to 0,2%. The same research is required on the evaporation of water.

At the water we took away its most important link, the function - the transformation

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in the organic. Giant masses of water return to the atmosphere without natural structural transformations. Evaporation of water from asphalt, steam generator; from the kettle and drying dishes is artificial evaporation. They are not provided for by nature. As any change in quantity leads to a new quality, the change in one of the links in the water cycle on a global scale has led to natural disasters, the intensity and frequency of which increases every year. The great scientist of the twentieth century, Albert Einstein said: "The future fate of mankind will depend on its moral foundations, and not on the level of technical achievements."

Man influences the water cycle, and the water cycle influences the climate. We turned the water into a working reagent, forcing it to rotate the turbines, to carry warmth, to wash and dry everything that a person uses from washing hands to evaporating from cooling the reactors of nuclear power plants. Technogenic processes associated with water - pumps, turbines, pipelines, as well as heating, chemical, physical and any other influences - change its natural structure. Volumes of such waters can easily be imagined if we mentally summarize what passes through the turbine blades of hydroelectric power stations of the whole world, all water pipelines. To this, you can add moisture to the air, sucked up by all the engines, compressors and many other mechanisms.

Adaptation to a changing climate, as urged by modern climatologists, can prolong the agony of the planet for a year, a decade, maybe for the century, for the 1st century. The fight against carbon dioxide, the transition to "green technologies", alternative energy sources - all these are necessary, but far from sufficient measures. It looks like the movement of a leaky boat with passengers bailing out water. A hole in the boat is increasing. It is necessary to understand and accept the closure of the "hole" to restore nature the ability of historical self-regulation. The circulation of water in nature should be from organic vapors, but not from artificial ones.

The volumes of artificial fumes are huge and grow every day and at a high rate. Compare that it evaporates faster - water from asphalt or from the soil? If you pour over the bucket to and fro.

The properties of water have not been studied. Water is not an unraveled matter. There are studies in which it is stated that water is not just a working reagent.

Floods occur in different parts of the world every day. It is the reaction of water to the attitude of a person to it in a single chain of transformations. Unprocessed water, repeatedly falling into the shortened circulation anomalous water, shows its unknown to us new qualities. Gathering in huge clouds, it's ugly with typhoons, cyclones, storms, pouring out massive sediments, overflowing rivers, looking for a job getting out on the ground, warns us. Creates new atmospheric phenomena, from which the weather and climate are formed [11-12].

Thus, the true source of anthropogenic impact on climate is determined - artificial evaporation. Dialectically, the increase in the volume and rate of evaporation has become a new quality: a new atmospheric environment, previously unseen properties. Concentrated into droplets, and forming impermeable cloud layers of increased volumes, block the interchange of energy between the cosmos and the earth, change the climate according to an unknown algorithm.

Urgent studies and evidence of the proposed direction are needed. On their basis, it is proposed to develop a new global concept, strategy and tactics, to rethink the entire population of the planet the nature of the destruction of the natural cycle. To preserve the habitat for our descendants, we must now begin the return of natural evaporation from plants and animals - the basis of the universe.

#### The main elements of the new concept:

- It is necessary to completely revise the strategy for the development of the electric power industry. A complete ban on the design and construction of new dam power stations with the flooding of riverine areas. Struggling with the emission of carbon dioxide, many governments are designing and building

many new hydroelectric power stations. This further increases artificial evaporation. The aging dams of many hydroelectric power stations require reconstruction and repair.

- The existing dam hydroelectric power plants can be gradually converted to damless ones, while maintaining the generation of electricity. There are such interesting constructions [13] (figure 1).
- Total saving in water consumption is required. Revise all production and utility processes with the transfer of water consumption into closed cycles. For example, why flushing in the toilet bowls produces the purest drinking water. There are opportunities to use waste water here, for example, after washing (figure 2).
- Reconstruction of agriculture, transition to non-plowing plowing, drip irrigation, organic farming. Israel is developing deserts, growing vegetables and fruits for export. Every year on the globe plow more than 10 million km<sup>2</sup> of land- <http://bio.1september.ru/article.php?ID=200700410> (figure 3).
- Stopping soil contamination with landfills and dumps and reclamation of existing dumps. Creation of wasteless technologies, as in Scandinavian countries (figure 4).



Figure 1



Figure 2





Figure 3



Figure 4

- Reduce washing of everything that is washed and dried. There are, and need to develop new, methods of dry cleaning of objects and surfaces, for example, cars, cleaning of asphalt pavements and roads.
- Outdoor landscaping of buildings and structures. The walls and roofs of buildings and all structures can be covered with vegetation. There are such houses and structures [14]. A new direction vegetation can be vegetable and fruit. That each house could provide its population with its own product (figure 5).
- Gradual transition to underground and underwater construction, starting from the development of ores, dressing, smelting, obtaining a finished product - all this can be done underground, in the worked out areas. If it's metals, then the metal is exported to the surface. If it is oil, then only the fuel rises to the surface. If it is uranium, then electricity is output. All types of production must be located underground. And then everything else, down to the dwelling. There are many retail areas and metro in many large cities. There are real projects of underwater and underground cities. For example, [15] (figure 6).

There are underground greenhouses, where vegetables and fruits are grown all year round. Based on the materials of The New York Times, the modern rich men of America and Europe are already preparing underground housing and villages with swimming pools, cinemas, gaming halls, hydroponics gardens, trams.

- For each country, it is easy to determine the percentage of land degraded by humans. Maybe set a tax on this percentage? And each hectare, a square meter used by man, must be compensated in the form of a return to the nature of the same land, for example, drainage of an artificial reservoir, reclamation of a dump, landscaping of roofs and walls of existing buildings and structures.



Figure 5

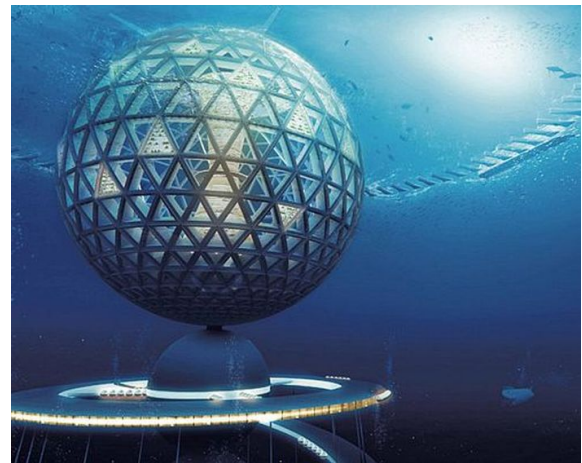


Figure 6

Only general mobilization in this direction can restore natural evaporation and the natural circulation of water - the basis of the universe. This is the only way to return a comfortable climate. Of course, all this is not done suddenly, right away. But on a reasonable scale, humanity must gradually come to this. And it is our duty to leave to our offspring a normal climate, normal weather, to exclude natural disasters.

Hypothesis requires proof, research. The officially recognized hypothesis of an increase in carbon dioxide in the greenhouse blanket is also not proven and has become a dogma. The pursuit of CO<sub>2</sub> reduction diverts the world community from the true causes of climate change and leads to the death of all life on the planet. Urgent

cooperation of new specialists is needed, which will see the idea and determine the overall climate protection strategy. Our planet needs salvation [16].

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