



## On Climate Change

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### INFORMATION

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#### Article history

Received 08 February 2021

Revised 08 March 2021

Accepted 12 March 2021

Available 15 March 2021

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The Earth's climate and water cycle have been improving for millions of years. Not by itself, but in combination with water, the water cycle and biota. Of:

[URL1 \(2021\)](#), it is known what "... the work is done by plants whose leaves intensively evaporate moisture through the stomata coming along the roots from the soil. This type of evaporation is called transpiration. The leaf surface of plants is enormous. The area of all leaves is 3-4 times larger than the area of the entire land, that is, in size it is not less than the area of the World Ocean. In this way, the biota (the totality of all organisms) on land provided more intense evaporation than the ocean and affects more on the continental cycle than the ocean.

The water cycle consists of three components - the quality of the vapor, the volume of the vapor and the frequency of cycle.

Waste excretions and transpiration have a strictly defined balance in the composition of vapor forming clouds. It is

these parameters that create a special mechanism of precipitation formation, distribution and frequency of precipitation, which create a strict and regular supply of water to the entire land area. It is this mechanism that create certain zones of biota existence - tropics, steppes, deserts.

Man is destroying this balance, taking more than half of the fertile land from nature - for arable land, dumps, dumps, reservoirs, deforestation, the construction of cities and roads, etc. It is estimated that out of 149,000,000 km<sup>2</sup> (149 million square kilometers) of all inhabited land - 67 %, has been destroyed by man ([URL2, 2021](#)).

The simplest thought experience can replace laborious scientific research and show the reality of the proposed idea. If you pour a bucket of water on the asphalt, it will evaporate in an hour or two. A bucket of water poured onto the soil will return to the atmosphere from several days to several months, while it passes through the food and plant chains of underground and terrestrial living creatures and plant roots.



Returning as, waste of living beings and transpiration of plants. It is known that each hectare of soil contains 20 tons of underground living creatures, each unit of which participates in a single technological process of transformation - (URL3, 2021) or 2 kg per 1 m<sup>2</sup>.

On degraded land, sediments do not find their consumers including herbivores, zooplankton, butterflies, rabbits, giraffes and evaporate without changes. Human effects have disrupted the natural function of water the most important link in natural transformation. Water, precipitation, immediately returns back from arable land and asphalt, from active evaporators of many technological operations, such as steam turbines, drying floors, dishes and linen without performing natural functions. The volumes of such vapors are many times higher than the volumes and rates of natural vapors. The quality, volume and rate of return of water to clouds have changed.

Climate change feedback collapsed - regulation of water in clouds. Artificial evaporation depends little on solar radiation. A person turns water into steam regardless of weather, season, time of the day.

A new mechanism of sedimentation has appeared in nature. Huge volumes of new vapors have no purpose of their existence. It rains with floods in some places, does not reach others - there are droughts and fires, glaciers do not receive their usual supply and are shrinking. Nature cannot provide these masses of water with useful work - the biota has disappeared on 70% of the land. Sluicing water down to the asphalt, car washes and cooling towers and into emptiness is useless work or idle work. And nature abhors emptiness.

Humanity has determined that climate change is the work of its hands, but did not notice the main thing - the merciless exploitation of water and its role in creating climate. It should be noted that all his solutions lead to a reduction in artificial evaporation:

- fight to reduce CO<sub>2</sub> emissions,
- development of "green" technologies ",
- creation of alternative energy,
- reuse of water,
- reclamation of dumps and deserts,
- restoration of forest cover

But all these are all private, scattered amateur and microscopic measures. Social events. It is necessary to develop them into a state, strategic, universal, obligatory, effective, large-scale direction by every country, every person. It is necessary to develop a global concept, to rethink the essence of destruction of natural processes by the entire

population of the Earth. To preserve the life of our descendants, it is necessary to begin already now to restore natural evaporation, as the main link in the chain of water circulation. The nearest measures to be added to the listed ones:

- Immediately stop all projects and work on the construction of hydroelectric power plants with water accumulation in reservoirs, all work on turning rivers and laying canals. To begin a gradual and unconditional replacement of hydroelectric power plants with damless and alternative energy and drainage of all artificial water areas.
- Drip irrigation, organic farming- alternatives to traditional farming.
- Deepening of river beds as a means of flood prevention.
- Reduction of washes of everything that is washed and dried, there are and, it is necessary to develop new methods of dry cleaning of all objects, for example, cars, washing the surface of roads. Such technologies are known.
- Reuse and recycling of water, collection and use of rainwater from hard floors.
- Underground and underwater construction. Development of ores, beneficiation, smelting, obtaining a finished product - all this can be done underground, in mined-out spaces. All types of production must be located underground. Even trade and housing. There are many retail and metro areas in many major cities. There are real projects of underwater and underground cities. So, Japan is already building an underwater city. There are underground greenhouses where all kinds of greens are grown all year round.
- Outdoor landscaping of buildings and structures. There are experiences of growing fruits and vegetables on roofs and walls. For example: (URL4, 2021).

The governments of many countries, the UN are discussing certain particular elements of climate change problems. They promise to reduce or reduce fuel combustion. And they themselves build new hydroelectric power plants with flooding of huge areas, turn rivers, develop new ore deposits and fill new areas with dumps and dumps and build more and more cities and roads.

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