

Climate and Rivers

Oleg Khalidullin*

Ecology Professor, Kazakh National University, Russia

***Corresponding author:** Oleg Khalidullin, Ecology Professor, Kazakh National University, Russia

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Mini-Review

The Earth's climate and water cycle have been improving for millions of years. Not by itself, but in interaction with water, the water cycle and biota. From: <https://geographyofrussia.com/iz-4-ml-rd-let-geologicheskoy-istorii-zemli-susha-by-la-bezzhiznennoj-34-ml-rd-let/> it is known what "... 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 provides no less evaporation than the ocean and, possibly, affects the cycle more than the ocean. "The water cycle consists of three components - the quality of the vapor, the volume of the vapor, and the frequency of the cycle. Waste excretions and transpiration had a strictly defined balance in the composition of vapor forming clouds. It was these parameters that created a special mechanism of precipitation formation, distribution and frequency of precipitation, which created a strict and regular supply of water to the entire land area. It is this mechanism that created certain zones of biota existence - tropics, steppes, deserts. Man destroyed this balance, took more than half of the fertile land from nature - for arable land, dumps, dumps, reservoirs, deforestation, the construction of cities and roads. It is estimated that 67% of the 149,000,000 km² (149 million square kilometers) of all inhabited land [1] has been destroyed by humans.

The simplest logical analysis can replace laborious scientific research and show the reality of the proposed idea without physical experience. If a bucket of water is poured onto the asphalt, it will evapo-

rate in an hour or two on a nice sunny summer day. 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. And it will come out, with waste from living creatures and transpiration of plants, some of it will replenish underground streams and will also not come to the surface soon. Pay attention to the quality of the vapor. The fumes from the asphalt are what was in the bucket - everything went up into the air without changing the molecular structure. And what has fallen on the soil is instantly used by living creatures and plants. It is known that each hectare of soil contains 20 tons of underground living creatures [2], each unit of which participates in a single technological process of transformations and tries to save the consumption of this moisture until the next precipitation. The water that has entered the body and the roots of the plant, being gradually processed, comes out with a completely different structure and a different speed. On degraded land, precipitation does not find its usual consumers and evaporates unchanged. For example, in an inverted sod of arable land, or in any field fertilized with chemicals and prepared for growing a single plant, all living subsurface organisms died. The natural function of water, the most important link in the hydrological cycle, has disappeared.

Water, falling out by precipitation, immediately returns back to the atmosphere. The same fumes come from asphalt, from active evaporators of many technological operations, turbines of all types of power plants, drying floors, dishes, linen without performing natural functions. Burning fuel in furnaces and engines is accompanied not only by the release of carbon dioxide, but also by the unnatural transformation of water molecules in the air. The volumes of such va-

pors begin to prevail over the vapors from natural consumers. The quality of moisture released by a person, an elephant or a microbe has its own individual structure differs from water molecules evaporated from asphalt, a boiling kettle, from washed spoon or drying clothes. The quality, volume and speed of the return of water to the clouds have changed. Artificial evaporation depends little on solar radiation. Man turns water into steam continuously, regardless of the weather, season, time of day. A new mechanism of sedimentation has appeared in nature. Huge volumes of new vapors - new substances in the clouds. Another raw material in the clouds gives out another

product - uncontrollable precipitation, which, having no purpose, the meaning of its existence, falls wherever, how much and when it gets. It rains with floods in some places, does not reach others - there is drought and fires, glaciers do not receive their usual supply and are shrinking. So the snow in the Sahara Desert: for the first time in 40 years it got colder to -3 degrees 01/19/2021:<https://almaty.tv/news/almaty-kolybel-nezavisimosti> Nature cannot provide the masses of water with useful work - the biota has disappeared on 70% of the land (Figure 1).



Figure 1.

Driving water onto asphalt, wash basins and cooling towers is useless work or idle work, into emptiness. And nature does not tolerate emptiness. Humanity has determined that climate change is its own doing but has not noticed the main thing - the merciless exploitation of water and its role in creating the climate.

It should be noted that all of his solutions lead to a reduction in artificial fumes:

1. The fight to reduce CO₂ emissions,
2. Development of "green" technologies",
3. Creation of alternative energy,
4. Water reuse,
5. Reclamation of dumps and deserts,
6. Restoration of forest cover

But all these are private, scattered, amateur and microscopic measures. Social events. It is necessary to develop them into state, strategic, universal, mandatory, effective, large-scale directions by every country, every person.

It is necessary to develop a global concept, to rethink the essence of the destruction of natural processes by the entire population of the Earth. To preserve the lives of our descendants, we must now begin to restore natural evaporation, as the main link in the water cycle chain. The immediate measures that need to be added to those listed are:

- Immediately stop all projects and work on the construction of hydroelectric power stations with the accumulation of water in reservoirs, all work on turning rivers and laying canals. Begin the gradual and unconditional replacement of hydroelectric power stations with dam less and alternative energy and the drainage of all artificial water areas.

- Drip irrigation and organic farming are alternatives to traditional agronomy.
- Reducing the washing of everything that is washed and dried, there are, and it is necessary to develop new, methods for dry cleaning of all objects, for example, cars, washing road surfaces. Such technologies are known.
- Reuse and recycling of water, collection and use of rainwater from hard surfaces.
- Underground and underwater construction. Mining of ores, beneficiation, smelting, obtaining the 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 shopping areas and subways 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.
- External landscaping of buildings and structures. There is experience in growing fruits and vegetables on roofs and walls. For example: <http://www.novate.ru/blogs/070116/34482/> The governments of many countries, the UN, and conferences are discussing certain specific elements of climate change problems. They promise to reduce or reduce the burning of fuels. And they themselves build new hydroelectric power stations with flooding of huge areas, turn rivers, develop new ore deposits and fill new areas with dumps and landfills and build new cities and roads.
- Dredging river bottoms as a means of preventing floods. There are several patents from Kazakhstan, the Eurasian Patent Office, and the USA. A new, more effective technical solution has been developed, which can be patented or issued in the form of Know-How. Its implementation could create a new technology for cleaning and deepening river bottoms by the rivers themselves. I offer cooperation and co-authorship to anyone who can understand, accept, and begin to participate in promoting the Hypothesis and implementing the invention. There is a program of simple research and evidence that can be presented. Nature cannot provide the masses of water with useful work - biota has disappeared on 70% of the land. Driving water onto asphalt, car washes and cooling towers is a useless job or idle work, into emptiness. And nature does not tolerate 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. I need a replacement It should be noted that all of his solutions lead to a reduction in artificial evaporation:

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It is necessary to develop a global concept, 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 the accumulation of water in reservoirs, all work on turning rivers and laying canals. To begin a gradual and unconditional replacement of hydroelectric power plants with dam less and alternative energy and drainage of all artificial water areas.
- Drip irrigation, organic farming - alternatives to traditional farming.
- Deepening of riverbeds 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 shopping areas and metro stations 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 is experience in growing fruits and vegetables on rooftops and walls. For example: <http://www.novate.ru/blogs/070116/34482/> The governments of many countries,

the UN, conferences discuss individual particular elements of climate change problems. They promise to reduce or reduce the combustion of fuels. And they themselves are building new hydroelectric power plants with flooding of huge areas, turning rivers, developing new ore deposits and filling new areas with dumps and dumps and building new cities and roads. From Wikipedia, the free encyclopedia Hypothesis (ancient Greek. or a guess, a statement that, unlike axioms, postulates, requires proof. A hypothesis is considered scientific if it, in accordance with the scientific method, explains the facts covered by this hypothesis; is not logically inconsistent; is fundamentally refutable, that is, it can potentially be verified by a critical experiment; does not contradict previously established laws and, most likely, is applicable to a wider range of phenomena. It can also be defined as a form of knowledge development, which is a reasonable assumption

put forward in order to clarify the properties and causes of the phenomena under study [4]. As a rule, a hypothesis is expressed on the basis of a number of observations (examples) that confirm it, and therefore it is accepted as plausible. The hypothesis is subsequently either proved, turning it into an established fact (see theorem, theory), or refuted (for example, by indicating a counterexample), transferring it into the category of false statements.

I offer cooperation and co-authorship to anyone who can understand, accept and begin to participate in promoting the Hypothesis. There is a program of uncomplicated research and evidence can be presented.

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Oleg Khalidullin. Biomed J Sci & Tech Res



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