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## Climate change and recovery opportunities

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### ABSTRACT

Millions of years created water in symbiosis with the biota. For several hundred years a man has been trying to unravel her secrets. Can not. Uses it, just as a working body. It is a mobile very complex solvent and a supplier of substances to each object, living creatures and plants on Earth. The path of its transformation in the circuit: soil - flora and fauna - evaporation - the atmosphere is the soil. In each of these links it changes its properties, appearance, structure. Man for his development and comfort shortens this path. We deprive her of her main destiny in advancing through food and vegetable channels. We destroyed the biota with arable land, reservoirs, dumps, asphalt. This territory has become more than 60 percent of the land inhabited by the area and every day it grows.

Keywords: Climate change, recovery opportunities

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An abridged way of transforming water has appeared: a draft - movement in pipes, work for a person as a coolant, a washer, a cooler - an outlet into the sewage system and evaporation. It is assumed that the volumes of such evaporations, let's call them artificial, exceeded the volumes and speed of organic, natural fumes, created a new phenomenon: the circulation of artificial fumes, changed the celestial mechanics, the essence of atmospheric phenomena, the natural disasters became more frequent, the climate changed.

An officially recognized hypothesis emerged that all this is due to CO<sub>2</sub> emissions. This was the only way to "mitigate the effects of climate change and adaptation." It seems that it has become a dogma, and leads the planet to

disaster. Occupying the whole of mankind with microscopic efforts to reduce harmful emissions, a person continues turning the rivers, building new reservoirs, opening new mines, plowing the land, paving and concreting the remaining 40 percent of the territories, continues to destroy the biota. And the development of new technologies with increasing "slavery" of water finally deprives her of life-giving paths and abilities.

Not to mitigate the consequences it is necessary, but to return to nature its primordial functions, to return the taken away areas, organic evaporation. And to reduce artificial evaporation. This requires the creation of a new concept in the relationship with water. With such here, approximately, elements:

- Create a new ideology for the entire population of the Earth about the total economy of water and energy. For example, stop squandering water when washing. We brush our teeth and the water flows. Adjust the temperature of the jet for washing, and clean water goes to the sewer. Centrally heat the water, pipes, atmosphere and mix with the cold in the shower, the sink, the shower. Do not use the heat of water leaving the sewer. We wash out of the toilet bowls with clean drinking water, although devices using waste water are known for this.
- Switch to a full-scale reconstruction of agriculture: develop drip irrigation, and non-plowing.
- Stop the construction of new reservoirs and release water from old ones. There are interesting technical solutions for the release of water from reservoirs with the preservation of hydroelectric power stations.
- Eliminate the creation of new landfills and dumps, eliminate existing ones.
- Walls and roofs, existing residential and industrial buildings, completely covered with plants. You can develop a new direction of production of vegetables and fruits in urban conditions. New production facilities, urban infrastructure, and housing build underground, as a continuation and development of subway construction, and under water. There are real projects, and even construction, of such cities.
- Very large areas are flooded with water in floods, also leading to artificial fumes that kill biota. This happens because the rivers are silted and form rolling - underwater dams, invisible from the coast. The existing technologies of dredging are based on excavation, bulldozer cleaning, suction and dredging with expensive serial equipment with pollution of coastal areas and, incredibly, with great energy, financial and material costs. Modern dredgers with a capacity of 100 - 800 kW, as well as their lease are not available to every coastal economy. Giant steel monsters on the river consume rivers of fuel, most of which goes to confront the river.

Developments have been developed that use the power of the river to form the river bed and river bed, within specified limits, with specified depths for passing ships, with straightening bends, and controlling water flow. There are possibilities of influencing meandering processes by the simplest means. Manufacture and operation of such facilities are available to small coastal farms that suffer from floods, collapse of shores, shallowing of fairways. Tests of individual elements of micromodels of the proposed device on small rivers and trays were conducted, which showed the result.

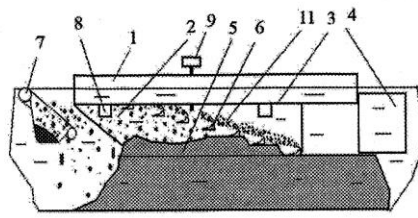
Design work and tests are needed to test and demonstrate the effectiveness of the new method in full-flow river conditions. The first experience in straight nom site can initiate widespread deepening rifts all rivers where floods occur, and warn them in the near future flood. The designs of such devices are developed for each type of water body. From small rivers to large rivers, such as the Irtysh, the Urals, the Mississippi and the Amazon.

1. Eurasian Patent Office patent No. RK: 26962 of 15.05.2013 Author: Halidullin Oleg Hanychevich

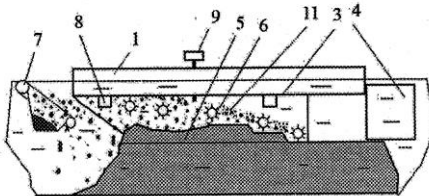
2. A method for cleaning sediment from the recess and riverbeds and device for its implementation: U.S. Patent № 87062Avtory: Halidullin Oleg Hanychevich, Sal'nikov Vitali G., Kasim Duskaev Koyanbaevich

3. No. 32640 Republic of Kazakhstan dated 19.09.2016 of Halidullin O.Kh., Nurushev MZ, Kerimbai B., M., Kadyrov Zh.N.Ustroystvo for underwater works on this principle, the implementation of all known dredging with an energy device that is orders of magnitude smaller than that of known machines . A device has been developed that can stand firmly on the bottom and control the flow of water. A device to change the buoyancy and sail, ensure its free movement on the surface of the water. It is possible to supplement the serial devices to perform any of the known hydraulic works: Search and Recovery subjects, the use of

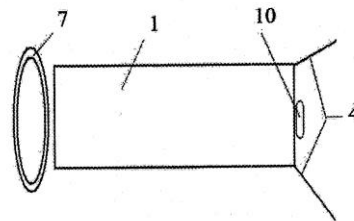
**Способ очистки и углубления русел рек от донных отложений и устройство для его осуществления**



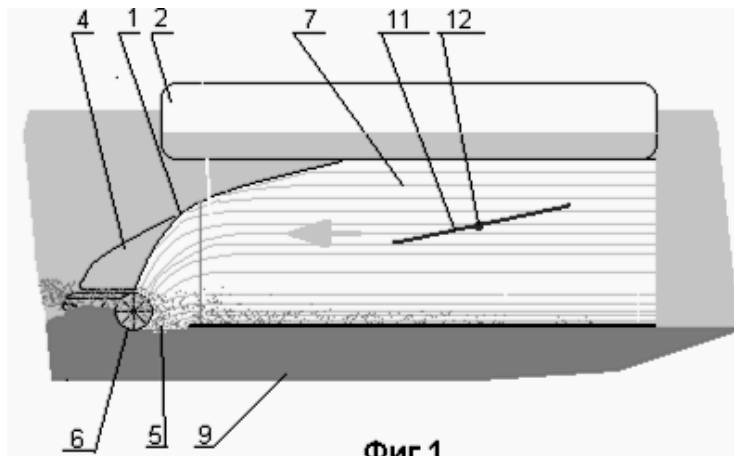
Фиг. 1



Фиг. 2



Фиг. 3



Фиг.1

dredges, sawing surface and underwater branches and trunks of trees, flushing and rising sub-wood and drowning items, mowing reeds. A new principle of underwater flow management will allow the creation of an underwater enrichment process or the washing of bottom sediments, investigation of the bottom and underwater structures. Additional

applications can allow such work in confined reservoirs. Read more here: <https://www.actascientific.com/ASAG/pdf/ASAG-02-0034.pdf>. <https://www.omicsonline.org/open-access/prevention-of-floods-2332-2608-1000246-94678.html>