

GLOBAL INTERNATIONAL PROGRAM: «DESERT GARDENING»



The main aim is
the condition building for peaceful and constant mankind
development on the Earth



"They used to say that agriculture has no future [in the UAE], but with God's blessing and our determination, we have succeeded in transforming this desert into a green land."

The ARABIAN DESERT

2 330 000 km²



SAND STORMS



The main reasons influencing on the climate on the Earth and enlarging desert territories on the continents are:

sand storms; territory decrease with fertile ground layer; rivers and lakes drying up.

The scientists stated that sand storms are the main reason of warming on the Earth. Over the last 100 years the number of sand storms have increased in 50 times.

Many famous scientists in the world are in search of the decision, and Russian scientists from different science fields are among them.

This problem might be solved together with flora and fauna study, technical progress and with the participation of state and financial-industrial groups.

It is necessary to attract social attention and all means to the main problems on the Earth – the lack of pure water and desert gardening.

TASKS



✘ Preserving flora and fauna and their wider spreading in the region



Cultivation of different kinds of plants, collecting maximum harvests

MEANS



In the modern world transportation problems such as cargo carriage speeding up and cargo safety, and service quality are the basis of all economy processes.

Water transport plays the key part in the process.



«The GREAT VOLGA» PROJECT



To solve the task it is necessary to use the advantage of Russia.

In our program we give the reasons of fulfilling the project «Desert Gardening» and low cost natural water delivery to the Arabian peninsula.

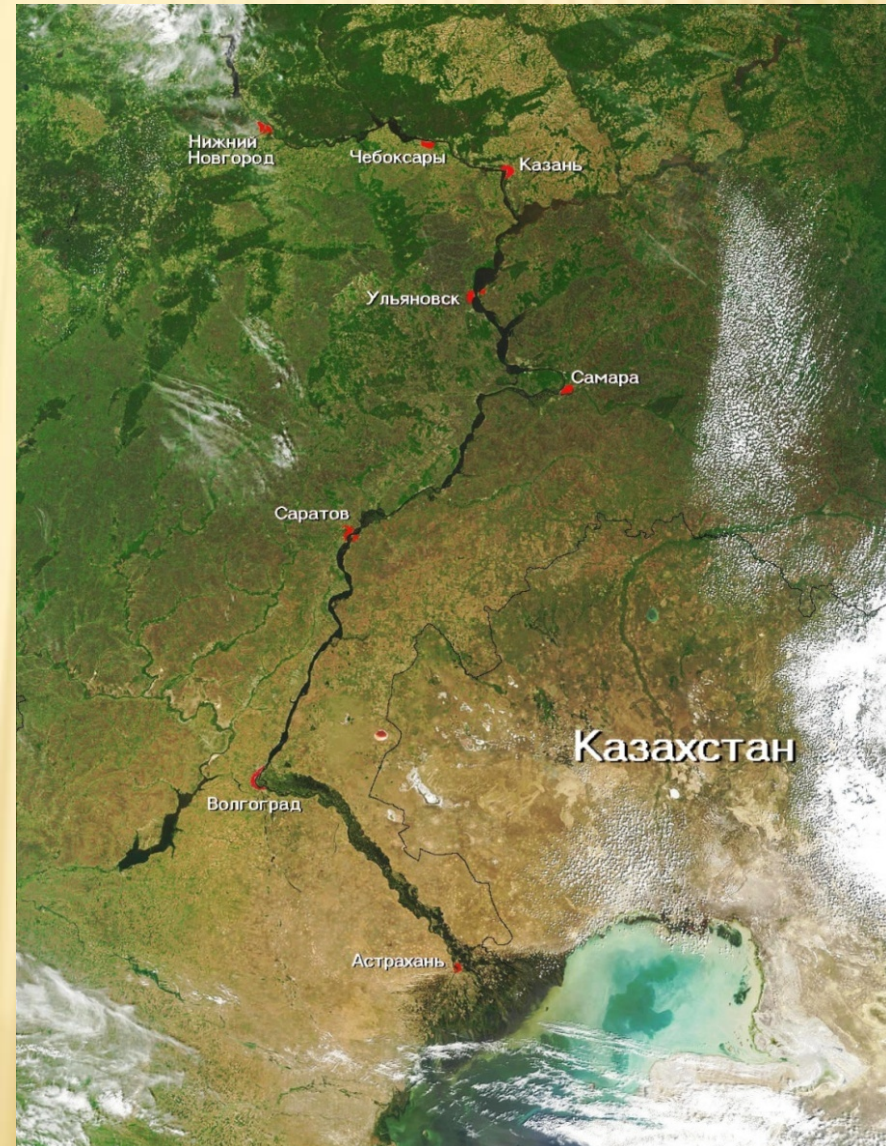
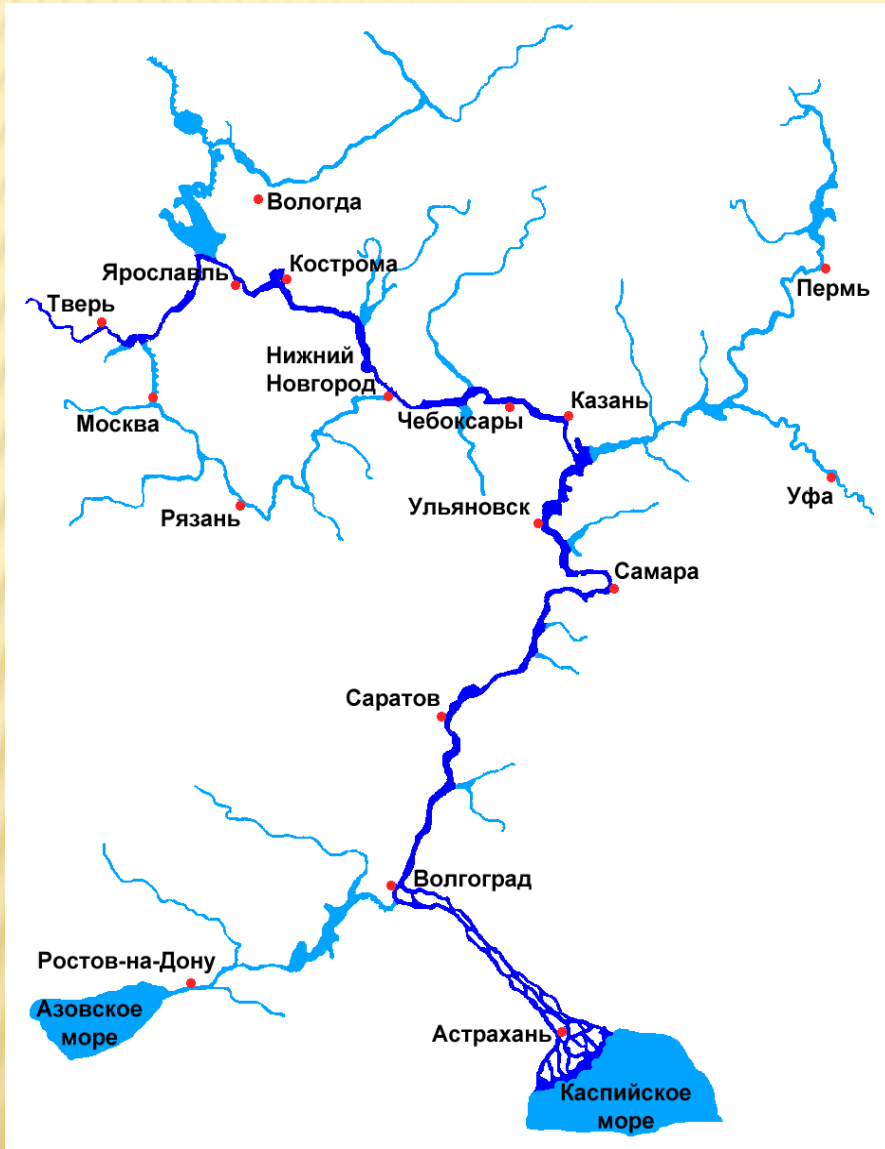
The Volga is the biggest river in the European part of Russia and Europe.

The total length of the river is **3530 km**, the watershed is **1360 thousand km**.

The Volga gets its start on the Valdayskiy elevation (the height 228 m), from the stream in the Volga-verhovie village in Tver region, flows along Central Russia territory and flows into the Caspian sea.

The Volga watershed has the water supply up to 250 km³ spillway into the Caspian sea.

The VOLGA CONFLUENTS: OKA, SURA, VETLUGA, SVIYAGA, KAMA and others.



«The GREAT VOLGA» PROJECT

It is proposed to supply the Arab countries with the sludge from Volga River and pour it into a desert, pre-mixed with grass seeds and agricultural plants.

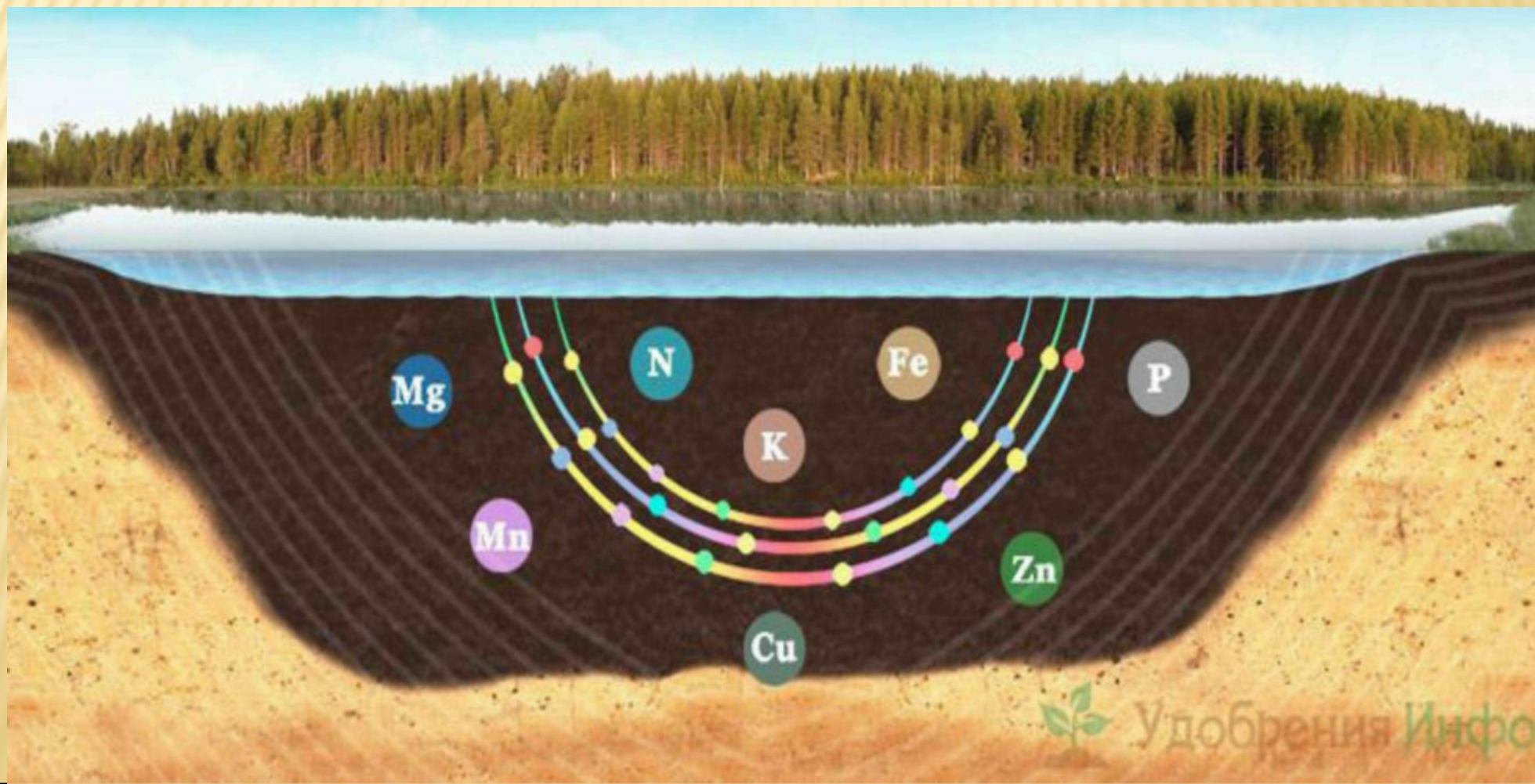


This will solve several environmental problems. It will increase the depth of the Volga River, which is very shoaled due to accumulation of silt. Swallowing of the Volga River has led to a sharp reduction in fish populations and catches of fish species have decreased tenfold.

At the same time, the supply of water mixed with mud in the United Arab Emirates will turn the desert into a blooming garden and actually recover the historical view of the Arabian Peninsula.

«The GREAT VOLGA» PROJECT

In some places the thickness of the sludge at the bottom of the Volga River is 20 meters, and more! The depth of the river is reduced to 1 - 2 meters. Total reserves of silt in the lower reaches of the Volga River is many billions of tons.



«The GREAT VOLGA» PROJECT



SLURRY PIPELINE



To increase the project efficiency, the pipeline system will be used as slurry pipeline. The water mixture can consist of peat, sapropel, chernozem, and some kinds of industrial minerals and coal.

Nowadays technologies allow using pipeline system as a new effective way to transport the cargo in the slurry pipeline in leak proof standard containers, which may be wider used to transport different goods: fertilizers, cement, converted timber and others.

The speed of transportation may reach from 50 to 80 km/h. The ratio of cargo and water mixture is 20% (w.m.) – 80% (cargo). The whole system from delivery to receipt must be fully automatic and mechanized that will allow to receive cargo with minimum loss and expenses.

TECHNOLOGY



The Great Volga project is fulfilled with the help of slurry pipeline system starting in the mouth of the Volga (Astrakhan city), going along the territories: Russian Federation (the Caucasus, Azerbaijan), Iran with the way to the Arabian peninsula. The total pipeline length is 2500 km. Two parallel pipelines have the pipe with the diameter more than 2 meters.



DESERT GARDENING TECHNOLOGY



The latest scientific achievements in agro-industrial complex have reached the high level technologies that allow collecting harvests on the territories with severe climate conditions.

On the desert territories with the usage of different additions into ground (sand), the soil for growing widely spread agricultural production can be received.



Such additions are humus, sapropel, peat, zeolite, chernozem, and different natural fertilizers.

These additions are soluble in water and can be transported in the slurry pipelines in great quantities without loss of quality and unique properties. With balanced soil mix usage, for example such mineral as zeolite, we can reduce the usage of water for watering.



STRATAGY



- **According to the President of Russia V.Putin's receipt...**

V.Putin – S.Fokin

In December 2012 at the RF Federal assembly meeting the President set the following task: in the nearest 4-6 years time Russia must have its independence in the production field and must become “number one” products supplier in the world.

To fulfill the strategic plans it is necessary to use the advantage of Russia, the countries-allies and their specific situation and possibilities in the “Food Safety” program.

The problem concerns the whole world. Its basic element is water recourse. Russia is able and ready to share its water recourse and technical possibilities to fulfill the decisions taken and modern tendencies in the world.



Russian-Arabic Forum in UAE



European Economic Chamber of Trade, Commerce and Indus



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The author of the project

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