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A Possible Solution

Making use of the existing natural water bodies: seas, lakes and rivers (which amount to an area much larger than the land masses) is possible with relatively little investment, relying on natural existing infrastructures.

We are, in this way, committed to keeping the natural existing biosphere of water reservoirs!

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The Solution: Future food will be grown in Water

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Water… water… water… 71% of global surface

- Populating the large water reservoirs with low-density quantities of fish, relying on the fish to feed naturally without additional feed!!!

The key to the solution:
Our present knowledge and strategy for the production of different species of fish "artificially"

The solution: Future food will be grown in water!

- Adapting the present know-how for the production of different species of fish "artificially" in different parts of the world will provide us with the ability to "produce" millions of additional tons to feed a growing world population!
- This solution involves:
  - **making use of natural water bodies**
  - **growing a variety of species adapted to different parts of the world**
  - **protecting species from extinction**
  - **feeding people with healthier food**

This solution also enables us to protect the water bodies' natural biospheres.

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Comparing costs between the two methods of fish-farming, both infrastructural costs and breeding costs

	fish feed (tons) for 2,000	cost per 2,000 tons of fish	cost per kg of fish
Infrastructural investment			
in artificial ponds		3,000,000$	1.5$
in natural water bodies		700,000$	0.35$
breeding investment			
in artificial ponds	4000	3,000,000$	1.5$
in natural water bodies	0	300,000$	0.15$

This comparative table demonstrates the distinct differences when producing 2000 ton of fish through these two methods, and the large amount of additional feed – 4000 ton – that is saved

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Comparing growing methods- worldwide level

	per kg	per million tons of fish	feed per million tons of of fish
Infrastructural Costs			
in artificial ponds	$1.50	1,500,000,000 $	
in natural water bodies	$0.35	350,000,000 $	
Running investments in breeding			
in artificial ponds	$1.50	1,500,000,000 $	2,000,000 tons
in natural water bodies	$0.15	150,000,000$	no feed is necessary!
total investments in infrastructure and breeding in artificial ponds	3$	3,000,000,000$	
total investments in infrastructure and breeding in natural water bodies	0.50$	500,000,000$	

The table demonstrates the great reduction in costs when growing fish in natural water bodies, as well as the saving in additional feed – two million tons!!!

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Demonstration Project
A fish harvest without additional feed from "Tudakul" Uzbekistan

Water temp. (C°) in winter	Water temp. (C°) in summer	Types of fish	Annual harvest, in kilos per hectares	Annual harvest, general, in tons	Volume of water (million of square meters)	Total area in hectares
°6	°28	carp, silver carp, big-head and grass-carp	113	2,500	16	22,000

It is possible to produce between 100-200 kilos of fish annually in every hectare of natural water bodies, this according to the water temperatures and the species of fish.