



# THE FORGOTTEN DEAD OR ALIVE ... Will the Lake Chad die?

**THIS IS NOT A COMPETITION ENTRY...**

**THIS IS NOT A COMMISSION...**

**THIS IS A RESEARCH PROJECT...**

**THIS IS A CONTRIBUTION FOR THE SUSTAINABILITY AND THE HEALTH OF OUR PLANET AND LIVING BEING...**

As the theme of the World Architecture Festival this year is "Performance", team decide to reveal the best part of and the headline of this research project to the worldwide.

Lake Chad is dying and if nothing is done, it will belong to the past. It is important to understand, the Lake Chad is the home of the first Men, and a worldwide patrimony which need to be preserved for the health and equilibrium of our planet. We reveal to the worldwide our vision for the regeneration of the lake before its future dead.

Africa has always been assimilated as the threshold of civilisations and the lake Chad as the first settlement for humans. Today, the lake is the only water source for people in this region, it is used as the first resource for everything by humans, fauna and flora. Remember water is life for all living being. The man's action and pressure on nature, the natural cycle of life, the global warming and finally the anthropic industrialisation are responsible for the drying of this lake. The problem remains, This action is more and more growing every year.

What will be an approach to the solution?

The lake can be saved by using pipelines to connect it with the Atlantic Ocean. The Process equals a century, and there are three major steps of regeneration :

- Artificial : Only Used Pipelines
- Hybrid : Using Pipelines and Woodland
- Natural : Woodland Natural Process

Two superstructures are required on the site; a Limnology Centre and a Desalination Centre. Both centres are self-sufficient in energy needs. The responsible architecture is to create an environment that enhances the ecological qualities by offering recycling systems and efficient waste treatment. One thing is sure, we will never let the lake die, it will be cruel for this ecosystem including people who are living there.

Today, it is a fact. Several Continentals Oceans are dying around the world, but in central Africa, the situation of Lake Chad is so critic; this Biome is dying every day. The Scientifics estimate its dead in this century if nothing is done. Remember, this ecosystem is one of the first settlement patterns of peoples in the Sahara, and its potential has been evaluated as one of the best cultivable area for food, as a humanity garret at the beginning of this own century. Not only assimilated as ecological catastrophe with the disappearance of biotopes, fauna and flora; it will also a human catastrophe which directly affects more than 9 million persons and 30 million indirectly in this region. 50,000 B.C., the lake covered 2 million square kilometres; in 1963 the Lake covers 25,000 km<sup>2</sup>; 2001 its surface area shrinks to 4,000 km<sup>2</sup>. Observing, the drying evolution the lake will be gone with the best part of the potential it can offer to our planet. In some years, there will also a drying desert at this place.

Is it too late? Will we let it dead forever? How the Lake Chad can be saved and regenerated? What is the future of the others dying Continentals Oceans?

Water is Life, to save Lake Chad; a lot of actions will consist to regenerate it by the proposal of a Limnology and a Desalination Centre on the site. The Limnology Centre will be a self-sufficient with the mission to study the lake and its surroundings. At the same time, the Desalination Centre with its Pipelines will connect the Atlantic Ocean and Lake. Water from the ocean will be treated and redistributed as fresh water for people consumption and mineralised water to regenerate the Lake.

The design concept seems to an amphibian structure merge into the lake. The program can reveal complexity of the matter to solve. The goal is a design strategies that resolve some aberration encountered in this rude environment. The saving solutions are phased in three parts. Between 2016 and 2026, the first stages will be at the same time, the study of the lake and the construction and the connection of the pipelines with the lake. In 2020, the second stage will be the start of greenness the lake surrounding with trees and low vegetation for agriculture. In 2080, the final stage will be the beginning of natural regeneration; pipelines will be stopped and woodland will take the relay of the lake regeneration. This Design revealed the transition to a better world and makes it more evident. Not only as a simple. Design are these proposals emphasis on sustainability and preservation of our planet.

