**Itaipu Binacional**

The Itaipu Binacional is the biggest clean energy generator in the world. It is located at the frontier of Brazil and Paraguay in the Paraná River. It is the second biggest river of South America. As Brazil had a big economy boom in 1960/1970 the government thought about new ways to produce energy.

Scientifics found out in that area of the river it is possible to produce the highest amount of energy. But because it is at the border to Paraguay they had to negotiate about a contract with the government of Paraguay. 1974 both governments signed the contract and the building began in the same year. From the completion in 1982 they had to add the turbines one after another to the grid until the president Luiz Inácio Lula da Silva declared in 2007 the final completion of the building.

In the year 2013 they measured they highest amount of energy ever produced from a power plant in one year (98,63 GWh).

But not all the people are supporters of the water power plant Itaipu Binacional. The building also led to serious issues fort he environment. 40000 people had to leave their houses, rainforests were deforested and thousands of animals had to leave their natural habits.

So i think the conclusion is that this power plant is a really good example for the controversy of economy and ecology. Is it worth to destroy a huge area of environment fort he profit? Is it better to build water power plants instead of nuclear power plants as the water power plants destroy the environment as a direct intervention? At this questions i want to look closer in the final presentation.

Sources:

* <https://de.wikipedia.org/wiki/Itaip%C3%BA>
* <https://www.itaipu.gov.py/en/energy-home>
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* <http://www.iagua.es/noticias/brasil/14/03/21/itaipu-binacional-la-mayor-central-generadora-de-energia-limpia-y-renovable-del-planeta-47246>