

Renewable

Required to stop the climate change

energy

The renewable energy sources (sun, wind, biomass, geothermal,...) could provide more energy than we consume. Also, every time we know better the technologies for their exploitation. We have to strive in achieve the change of model that we are using.

On the way, their use could minimize many of the environmental problems (radioactive waste, acid rains, atmospheric pollution). But the most interesting thing is that they don't contribute in climate change.

The renewable energy has covered in 2018 the 14% of the Spanish energetic consumption.

The potential of the renewable energy in Spain is so high and this percentage could increase much if there were a politics determined to foment the use of them, the same time the use of the fossil fuels is restricted

Solar photovoltaic

-Spain could solve all of needs of electricity with at least 900km² of photovoltaic cells, the 0.2% of their territory.

-Its expensive compared with energy produced by conventional sources, but the installation price its going to reduce in a quick way.
-We can promote their use in rural electrification, communication and signaling, and ranchers and agricultural uses, although that they should installed central destined to supply the network.

Solar thermal

-Every square meter of manifold can produce annually an amount of energy equivalent to 100 grams of oil.
-The applications more extended are the generation of hot water for houses, pools, hospitals, hotels and industrial processes, and the heating.
-To maximize their use, the installation of the solar manifold in the houses of new construction could be force, with the final purpose of cover between the 50 and the 75% of the needs of hot water.

Wind power

-The wind energy has a small environmental impact compared with other energetic sources. Hence the need of speed up their installation although avoiding or reducing the possible negative environmental impact, in sensitive locations.
-Nowadays, thanks to their cost effectiveness, there are a lot of wind parks and projects to install more.

Minihydraulic

-The hydroelectrics mini-plants cause less damage than the big reservoirs, and they could provide electricity to broad zones that lack of them.
-There are a big number of mini-plans closed, that they could be rehabilitated, as well as improve the existing ones and establish the hydroelectric exploitation of the reservoirs that lack of them, increasing a lot the production without additional environmental impact.

Geothermal

-For every kilometer that we deepen in the Earth, the temperature increase 25°C, being superior this increase in seismic or volcanic zones. This difference of temperature is the one that allow us to get energy from there.
-The geothermal energy is used to obtain electricity for heaters and greenhouses in the proximities of the deposit in exploitation.
-Nowadays, we use negligible amount of our geothermal exploitation

Biomass

-The using of biomass it is as old as the discovery and the use of the fire to get warm and to prepare food, using the firewood. Still today, the biomass is the principal source of energy for domestic use, well is used by 2.500 millions of people in the world.
- There is a good potential of use in a lot of organic products (that nowadays they are thrown to the dumps) to produce energy. The obtaining of biogas in digester starting of the ranchers waste reduce the methane emissions, a conservatory powerful gas, so it must be promote with the final purpose of reduce the pollution, to obtain fertilizers and to produce electricity.