

Renewable energies and Portugal

This infography has as subject the renewable energies and makes a brief showcase about the situation of Portugal and its ecofriendly sources of energy

Energy production in Portugal

14.868 Gw/H

479 Gw/H

3.337 Gw/H

12.015 Gw/H

Hydro Power



Conversion of kinetic energy (water) into electrical energy

Ocean turbines



Almost none existing in Portugal

Barrages



171 barrages were built in Portugal



It's the oldest renewable energy existing in Portugal

$P = \rho Q H g$

Solar Power



Alentejo is the only region with an active photovoltaic field in Portugal



Photovoltaic Panels



Solar Panels



Conversion of radiation (Sun) into electrical energy

When was it invented?
1941

Biofuel

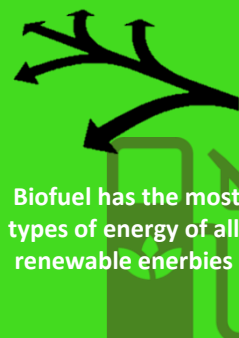


Conversion of biomass into electrical energy

Biodiesel



Biogas



Biofuel has the most types of energy of all renewable energies

Biofuel became popular on the 1970's

Wind Power



Wind power is growing quickly in Portugal, being the second most used source of energy



Wind Turbine



Conversion of kinetic energy (wind) into electrical energy

Windmills were used since 2000 B.C.