

The Importance of Sustainable Energy on World Development

There is so much pollution in the air that, if it weren't for the lungs, there would be no place to put it all. A 2016 study shows that, on average, a person in the world emits 4.92 tons of carbon dioxide emissions. The bulk of an individual's carbon footprint comes from transportation but CO₂ is not the only contributor to the pollution trapped in Earth's atmosphere. Methane, Nitrous Oxide, and other harmful compounds are released in the air as people consume non-renewable energy. These greenhouse gases are what contribute to global warming, a plague responsible for 150,000 deaths each year which could effortlessly double by 2030. The United Nations' seventh Sustainable Development Goal accounts for safe, affordable, and renewable energy. 789 million people lack access to energy and 1 in 4 health facilities in some developing countries are not electrified. Our project seeks to address these issues one person at a time by making the data on the effectiveness of renewable energy sources like hydroelectricity, wind power, and solar power.

The solution to our pollution problem is implementing renewable energy more into our energy use. Although the usage of renewable energy has doubled in the last decade, fossil fuels still account for the large majority of energy use, with just coal and gas making up 60%. Unlike the fossil fuels we rely on heavily, renewable energy sources such as wind energy, hydroelectricity, solar energy, and bioenergy are not finite and don't harm the environment. Implementing them is crucial for preventing the earth from further damage.