



According to the Central Intelligence Agency, the world generates more than 66 percent of its electricity from fossil fuels, and another 8 percent from nuclear energy. Nonrenewable energy comes from sources that will eventually run out, such as oil and coal.



To reduce CO₂ emissions and local air pollution, the world needs to rapidly shift towards low-carbon sources of energy ??? nuclear and renewable technologies. Renewable energy will play a key role in decarbonizing our energy systems in the coming decades



Global renewable energy capacity increased by 10% in 2022, showing that small changes, when scaled up, can make a substantial difference in reducing our reliance on non-renewable energy sources. Further reading: Renewable Energy Options for an ???

RENEWABLE AND NON-RENEWABLE ENERGY



A renewable energy resource is one that is being (or can be) replenished as it is used. Renewable resources are replenished either by: human action - eg trees cut down for biofuel are



There are two major categories of energy: renewable and non-renewable. Non-renewable energy resources are available in limited supplies, usually because they take a long time to replenish. The advantage of these non-renewable resources is that power plants that use them are able to produce more power on demand.



The world therefore needs to shift away from fossil fuels to an energy mix dominated by low-carbon sources of energy ??? renewable technologies and nuclear power. What does our energy mix look like today? What countries have the "cleanest" energy mix? And are we making progress in shifting towards a low-carbon energy system?