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maior parte desta provém do sol excepto a geotérmica (energia solar, eólica, hídrica, biomassa, geotérmica e oceânica).

➤ **Energias não Renováveis**

São todas as formas de energia derivadas de fontes naturais esgotáveis embora existam em quantidades fixas ou não são consumidas rapidamente que a natureza pode reproduzi-los e que a sua renovação leva uma eternidade, essas fontes são um verdadeiro perigo ao ambiente pois libertam poluentes diversificados que contribuem para as mudanças climática (petróleo, gás natural, carvão mineral e nuclear). [5]

3. Energias Renováveis

As energias renováveis hoje em dia são consideradas alternativas que as convencionais, pela sua disponibilidade bem como pelo seu menor impacto ambiental. Estima-se actualmente que cerca de 19 % do consumo mundial de energia é proveniente das fontes de energias renováveis, com 13 % corresponde a energia de biomassa usada para aquecimento, 3,2 % a partir de hidroeléctricas e 2,8 proveniente de outras fontes. Cerca de 18 % de electricidade é proveniente das energias renováveis, sendo 15 % corresponde a energia gerada a partir das hidroeléctricas e 3 % outras fontes de energias renováveis. [1]

4. Tipos de energias renováveis existentes em Moçambique

Existem vários tipos de energias renováveis a saber, solar (fotovoltaica e térmica), eólica, hidroeléctrica, geotérmica, oceânica, biomassas e etc.

4.1. Energia solar

A energia solar é a energia proveniente do sol, que pode ser captada pelos painéis solares (energia fotovoltaica), bem como com o uso de colectores solares (energia térmica).

É uma fonte de energia que dela derivam várias formas de energia na terra e a quantidade da radiação luminosa trazida do sol, é equivalente a milhares de vezes que a energia consumida pela humanidade.

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