Renewable Agricultural and Physical Energy Sources

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ABSTRACT

Basic physical forms of energy and their practically exploitable forms are differentiated. The limited availability of the non-generative fossils oil, petrol and gas is contrasted with regenerative energy sources. Various sceneries of future energy consumption and the involvement of agriculture are pointed out. Renewable energies comprise about 15 % of electrical energy in Europe. Out of them less than 20 % are based on agricultural products so far. Out of them bio-diesel is the most attractive fuel exceeding bio-ethanol. Future prospects depend on political decisions. As far as agricultural products are considered to compete for their use as energy source and as nutrition source, strong regulations will be established. Nevertheless, the waste of agricultural products is available for conversion to consumable energy. But for this purpose a variety of technologies has to be developed according to the variety of sources. Nowadays roundabout 20 % of the global energy consumption worldwide are gained from the renewable energies biomass, wind, water and sun. The relevance of other energy sources is discussed comparatively.