



# Interactions of Energy and Climate

By Bach, W. / Pankrath, J.

Book Condition: New. Publisher/Verlag: Springer Netherlands | Since the beginning of industrialization in the last century, a steady increase in energy consumption can be observed. At the same time, energy generation switched from wood and coal to predominantly oil, coal and natural gas. Soon, many countries became aware of the fact that the resources of fossil fuels, especially of oil and natural gas are finite. Diversification of energy sources became a requirement for the future. Governments expressed their concern by setting up natural energy programmes while international organisations undertook assessments of the global energy resources and possible rates of supply and substitution. When it comes to setting up energy policies, the following factors must be taken into consideration: population growth, level and nature of socio-economic activity, the costs of energy, the adequacy and reliability of supply, the availability of technology and supporting infrastructure, the success of energy conservation programmes and concern about the environment, safety aspects of production and use of energy as well as educational efforts toward a rational use of energy. When we express our most urgent concern, the long-term global energy provision, experts offer four interrelated partial strategies: - the strategy of rational use and conservation of...



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