



WS103:

***The use of Nontraditional Energy, Water Resources for the Development of
Western Desert***

By

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Abstract:

The western desert presents more than 50% of Egypt territories. The elements of sustainability of development of these areas are present. These areas have a high solar intensity, which turn the utilization of solar energy to be economically compared to traditional sources of energy. The water resources in this area, despite its apparent scarcity, it's potential is sufficient to the development requirements.

The existence of this natural resource is not enough for development. The access of development which lead at the end to, general economic and social development of these areas are present and requires a good management. Through the short presentation the following aspects of development will be presented:

1. Recent development in energy production from renewable sources
2. Water resources, evaluation and utilization (proposal of integrated resources management)
3. Review of other aspects of the development as agriculture, industry, tourism, communication and transportation.

Finally the objective of this presentation is to present general recommendation of the competent authority.