



The Moroccan eastern region, a green energy complex for sustainable development and advanced decentralization

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The Moroccan eastern region is characterized by: A total population 2,314,346 inhabitants (in 2014) (6.84% of the population of Morocco) by a density 24 inhabitants per km². The population structure is as follows: 30% under 15 years of age, 50% of the population is under 25 years of age, 61% of working age (15-60 years), 9% in the third age group (over than 60 years). An urbanization rate of 58.5% with an economic profile GDP: 44.2 MMDH / year. GDP growth rate: 10.8% .The Oriental contribution to the formation of the national GDP is 4.9%, in the region we have the predominance of two activities: Tertiary (51.4%) and Secondary activities (22.3%).

Concerning the clean resources of energy we can mention: - Abundant solar resources because the average radiation on a surface inclined at 30 ° is 2,082 kWh / (m² / year); An important potential of the wind distributed in: offshore at sea along the Mediterranean facade (197 km of coast) and the onshore wind along the ridges of the mountains; Large biomass potential for biogas production; A precise zoning of the territories destined to shelter installations of production of the electricity of solar.

We will in this work express the importance of this diversity of the clean energy resources -projects- cited in the region of the east to develop:

Production of solar photovoltaic energy; Production of solar and thermal energy; Hydropower production; the valorization of biomass (biogas, biofuel, etc.); Production of geothermal energy;

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