

# The Wind Energy Resources Atlas of the Republic of Moldova and its Use

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**Abstract**— this wind energy resource atlas identifies the wind characteristics and distribution of the wind resource in the country of Republic of Moldova. The statistics of wind data measured over a period of 22 years at the 18 stations of the State Hydro Meteorological Service and from 3 measurement masts, and detailed wind resource maps, and other information contained in the atlas facilitate the identification of prospective areas for use of wind energy technologies for utility-scale power generation and off-grid wind energy applications. Wind maps at three heights above ground level - 50, 100 and 150 m – were created using the MesoMap computer system.

**Keywords**—wind statistic; WAsP program; wind resource; wind map; MesoMap computer system

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