

Summary about the REPPS's methodology:

“The core target of our developed methodology is to provide a **probabilistic-alike deterministic** prediction of electrical power generation from a solar PV system at any GPS site. The methodology has involved a set of **data-driven-based decision criteria**; and its outputs have been designed for covering a range of scenarios, starting from the least (or worst) to the most (or best) available solar energy to harvest and electrical power to supply, respectively; for any period of time of interest, which is a function of the temporal resolution of the provided weather and demand data. Such methodologies are expected to be significantly beneficial for conducting **assessment and risk analysis**, of short/long-term periods, which would eventually provide a safe estimation for the required size for avoiding the events of shortage of power supply and excess of power generation.”