Wheatear Forecasting Methods have been exploited in order to predict PV production.

ESS can compensate, in real time, the mismatch between the DG forecasted injection profile and the actual production.
Actual & predicted production profiles
Predictions on the basis of weather data

Blue = predicted profiles
Red = actual profiles

Production data collected on a PV power plant (100 kW) located in Suzzara (Mantova).
Battery master controller updates the power set point of the ESS inverter to follow the forecast production profile of the coupled renewable power plant.
Project PRESTO: Prototype test

TODAY
Lab-test (Delebio ELVI Facility) of the software control law for the Battery Master Controller
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http://www.fondazionepolitecnico.it/pagine/SmartDGlab.aspx