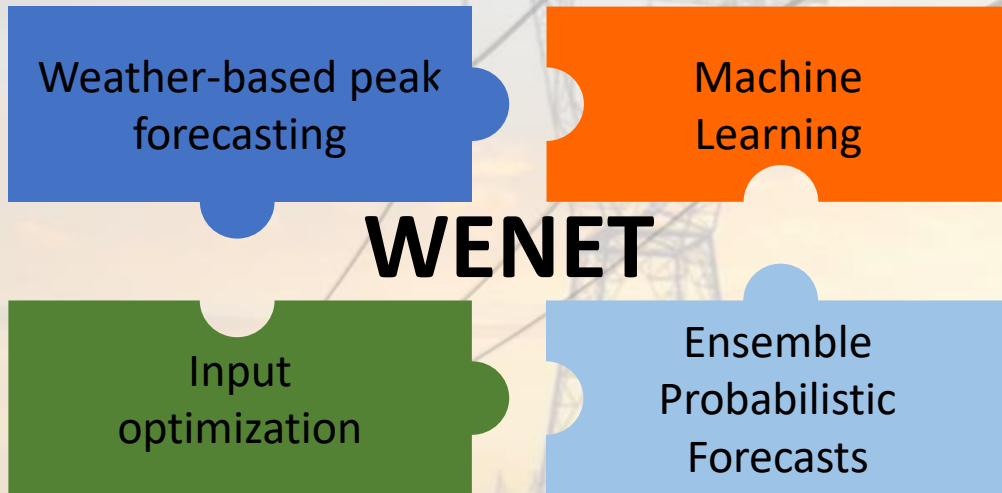


WindSim Power WENET: Weather-Enhanced Net-Load Estimation Tool

Net-load forecasting algorithm based on the latest machine-learning tools for time-series forecasts augmented with weather-based predictors.



Input selection depends on the current (measured data), day-ahead weather forecast, and accounting for the geographic domain.

Ensemble non-parametric time series algorithm predicts the future value distribution by sampling from past observations.

Combines best practices in machine learning algorithms (deep-learning, feature engineering, etc.) with weather-based peak load forecast.