The observed wind data

Re-sampling & gridding

6 min RMOS (0.01° × 0.01°)

6 min ASWS (0.01° × 0.01°)

Spatiotemporal matching

Training set, validation set, and testing set

Max–min normalization

Statistical relationship: gust factor

The forecasted 0–2h 6 min PWGS (0.01° × 0.01°)

Evaluation

The forecasted 0–2h 6 min ASWS (0.01° × 0.01°)

CGsNet