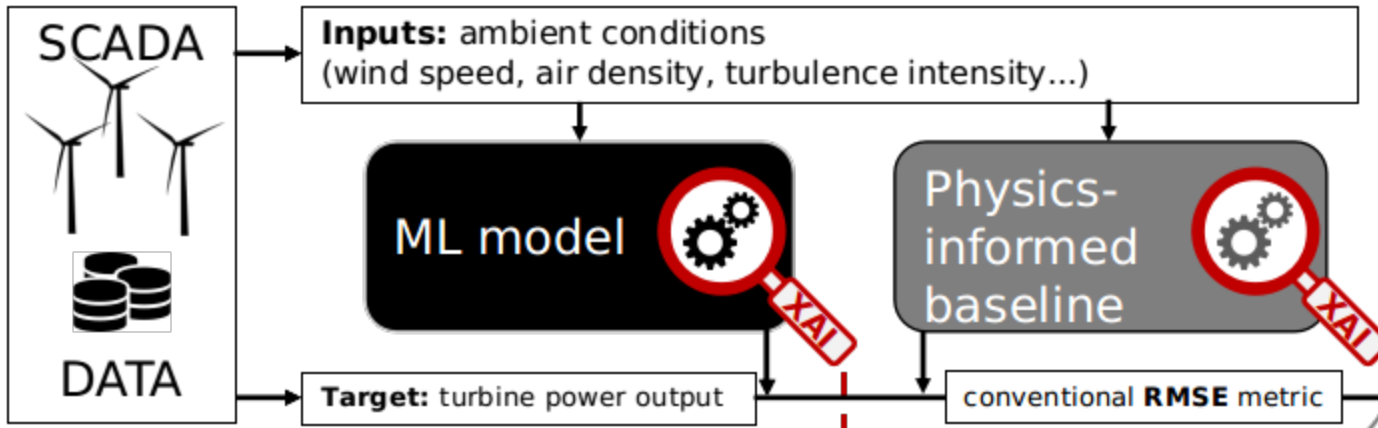


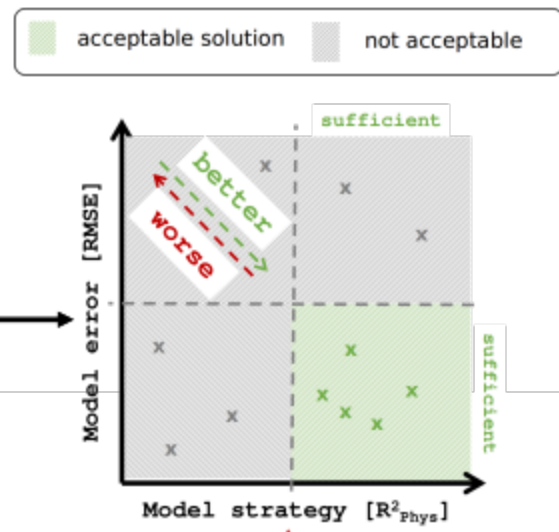
Sec. 2 & 3

Wind Turbine Power Curve Models



Sec. 4 & 5

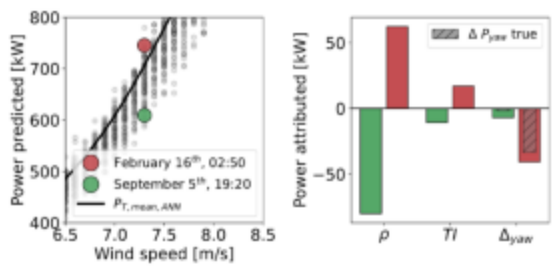
A. Global model validation



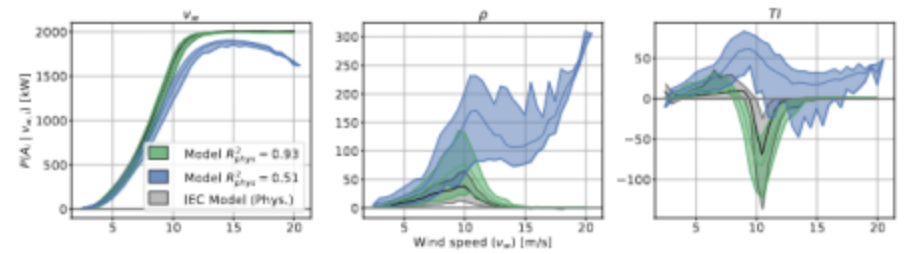
Sec. 6

B. Insights about turbine operation for each point in time

- **Attributions per input variable**
- **Root-cause analysis for deviations**



new validation metric



- **inspect conditional contributions for global strategies**
- **comparison between ML and physics-informed model**