

Ambient conditions

- Vertical inflow wind speed profile
- Farm-wide mean wind direction
- Ambient turbulence intensity

Control settings

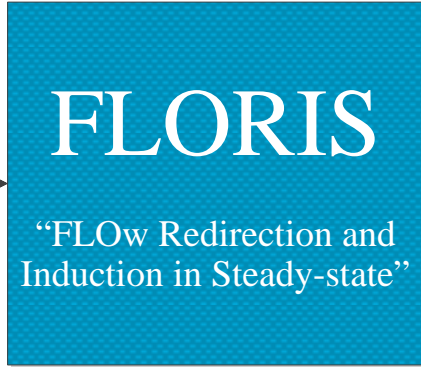
- Yaw angle of each turbine
- Thrust setting of each turbine

Wind farm properties

- Wind farm topology
- Turbine properties (rotor diameter, hub height, gen. efficiency, ...)

Model definition

- Submodel choices
- Tuning parameters



Local turbine conditions

- Rotor-avg. wind speed
- Local turbulence intensity
- Turbine power capture

3D time-averaged flow field