Wind Turbine sub-communicator			
CPU 1	CPU 2	CPU 3	CPU 4

ALM

Flow velocity sampling to the control points

MPI_reduce: velocity at each control point

Computation of the forces

MPI_Bcast: force distribution on the blades

Struct.

| Solve Beam 1 | Solve Beam 2 | Solve Beam 3 |

Loop over dt_struct

MPI_Reduce: rotor hub loads

Drivetrain Dyn.

MPI_Bcast : hub azimuth, rotor speed and pitch angle

Controller

MPI_Bcast: Blades displacement

ALM

Flow velocity sampling

Computation of the forces

Distribution of the forces