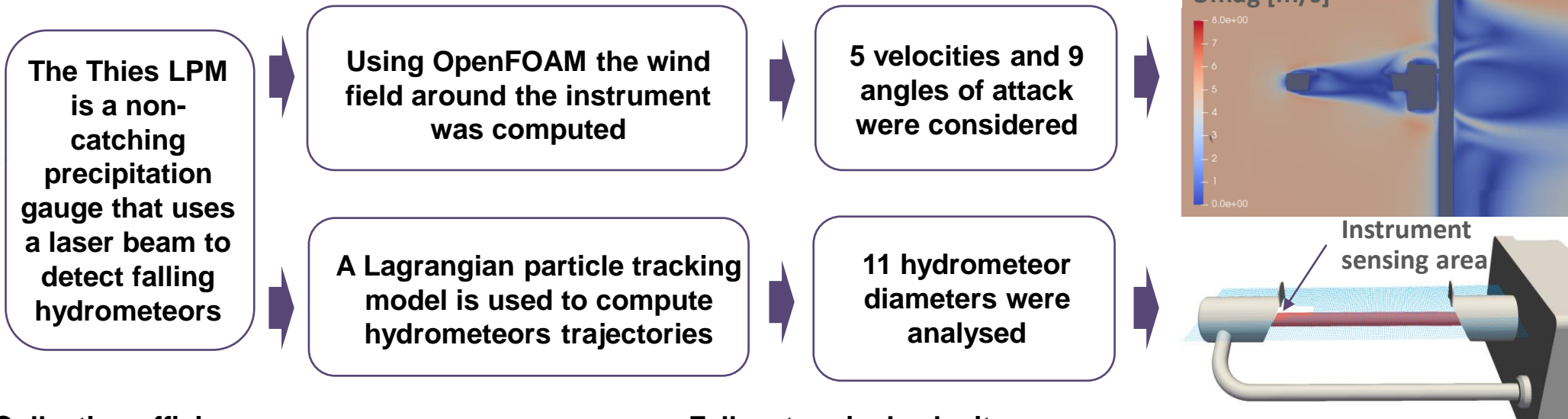




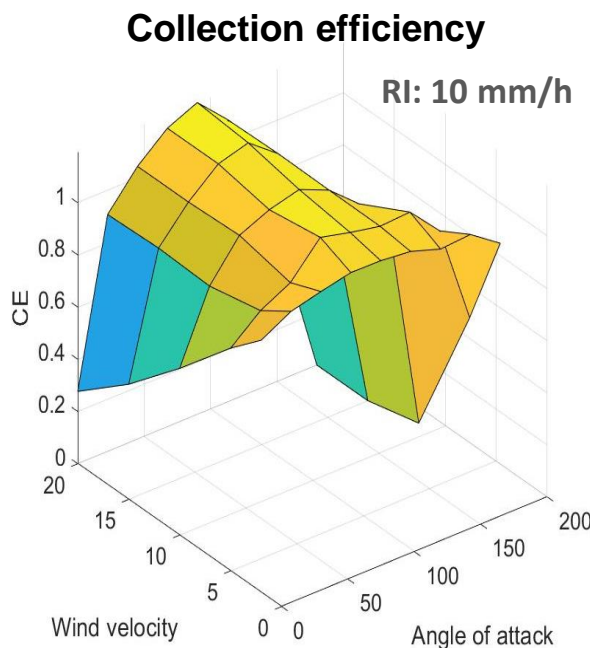
The wind-induced bias of the Thies Laser Precipitation Monitor obtained using CFD and a Lagrangian particle tracking model



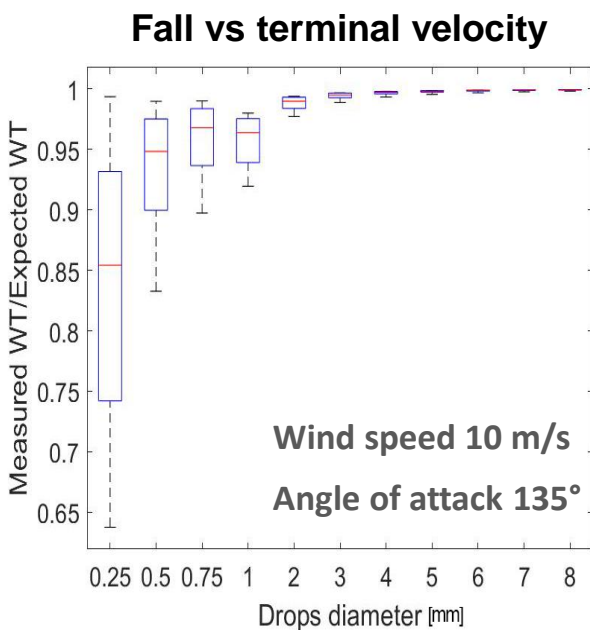
Image from instrument manual.



From the simulation results the **Collection Efficiency (CE)** of the instrument for each wind speed and angle of attack is computed



Further than the collection efficiency, the fall velocity of hydrometeors when they cross the sensing area is affected by wind



The PSD sensed by the instrument is also influenced by wind and can be different from the actual one

