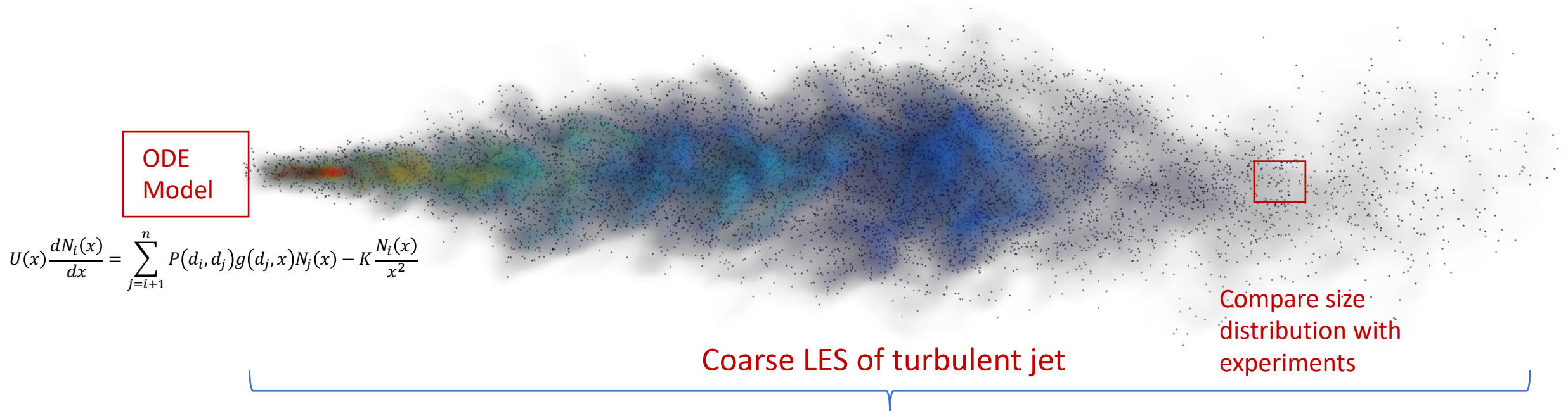


# M02. 00048: Reduced 1D population dynamics model for inflow size distribution in LES of oil droplet plumes



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- We are performing Large Eddy Simulation (LES) coupled with population balance equations to predict size distributions in polydisperse oil droplet plumes
- The near nozzle region of the oil jet is replaced by a reduced 1D population dynamics model, the results of which are fed to the LES.
- **Poster:** Results from LES compared to experiments.