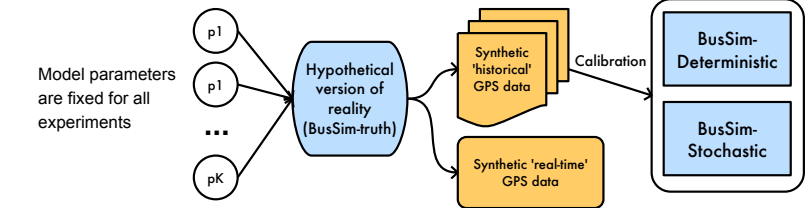


1. Generate pseudo-truth data and model calibration



2. Real-time data assimilation

