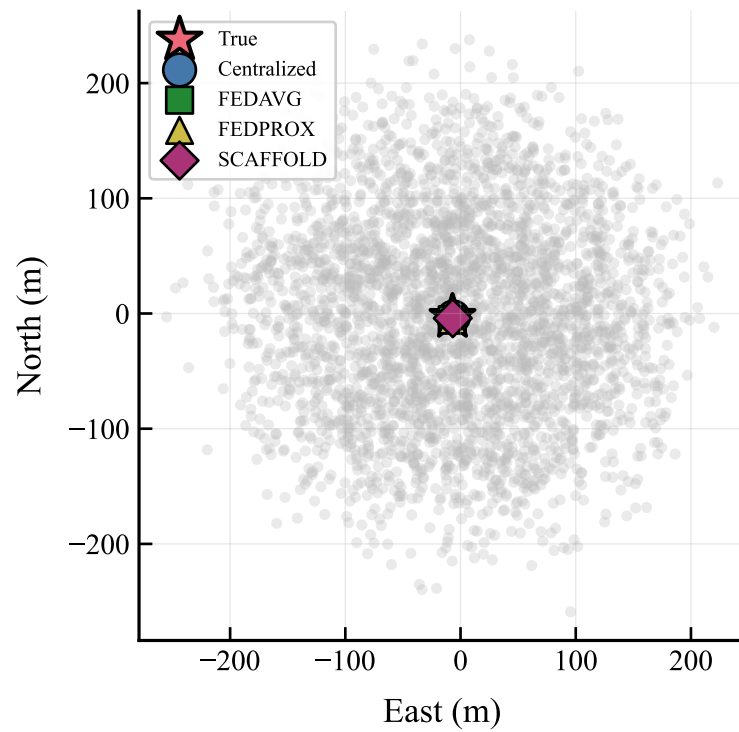


## Stage 2: Localization Summary — Urban

(a) Localization Results



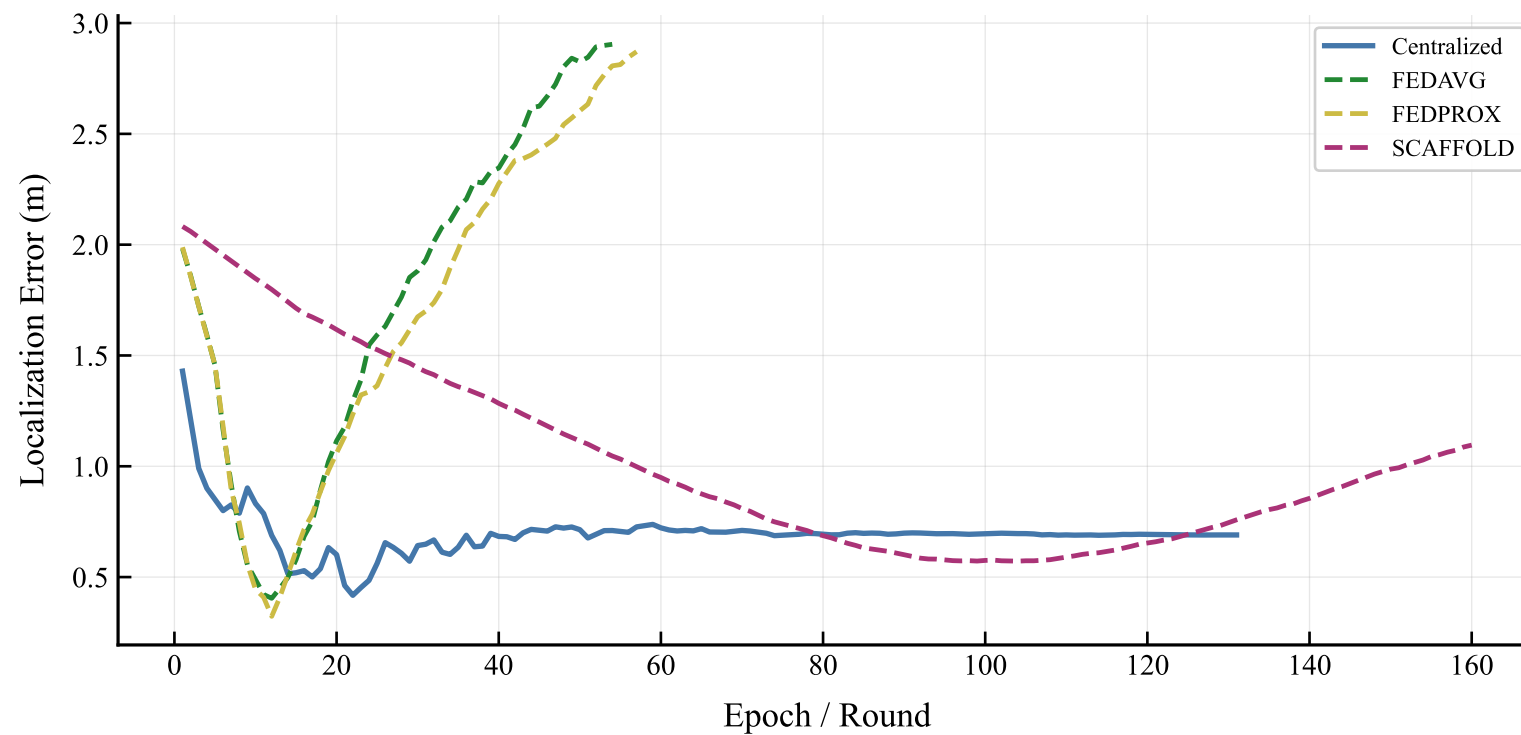
### STAGE 2 METRICS

Centralized:  
Error: 0.79 m

Federated:  
FEDAVG: 2.33 m  
FEDPROX: 2.54 m  
SCAFFOLD: 1.02 m

Dataset: 3,232 samples

(b) Convergence



(c) Final Errors

