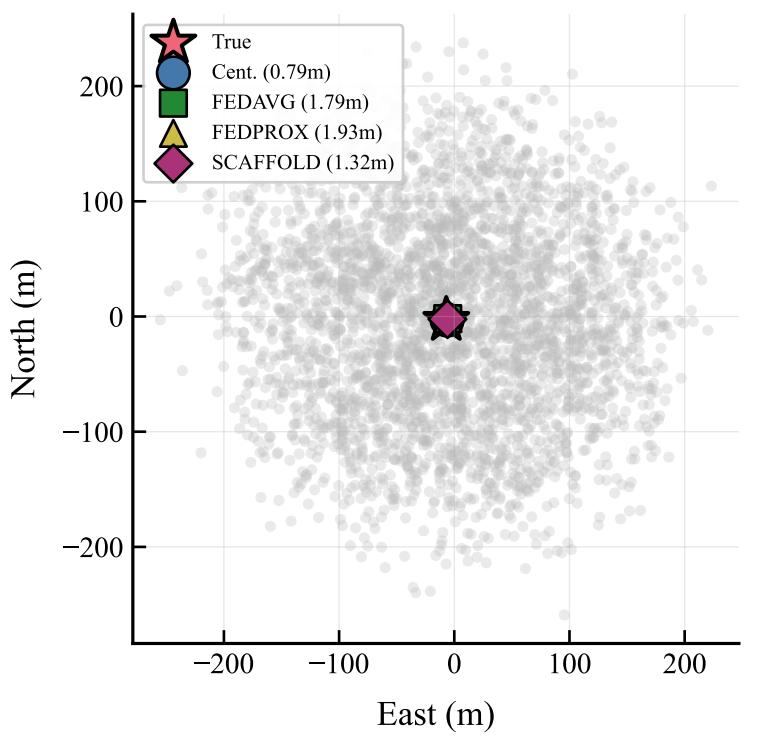


Stage 2: Localization Summary - Urban

(a) Localization Results



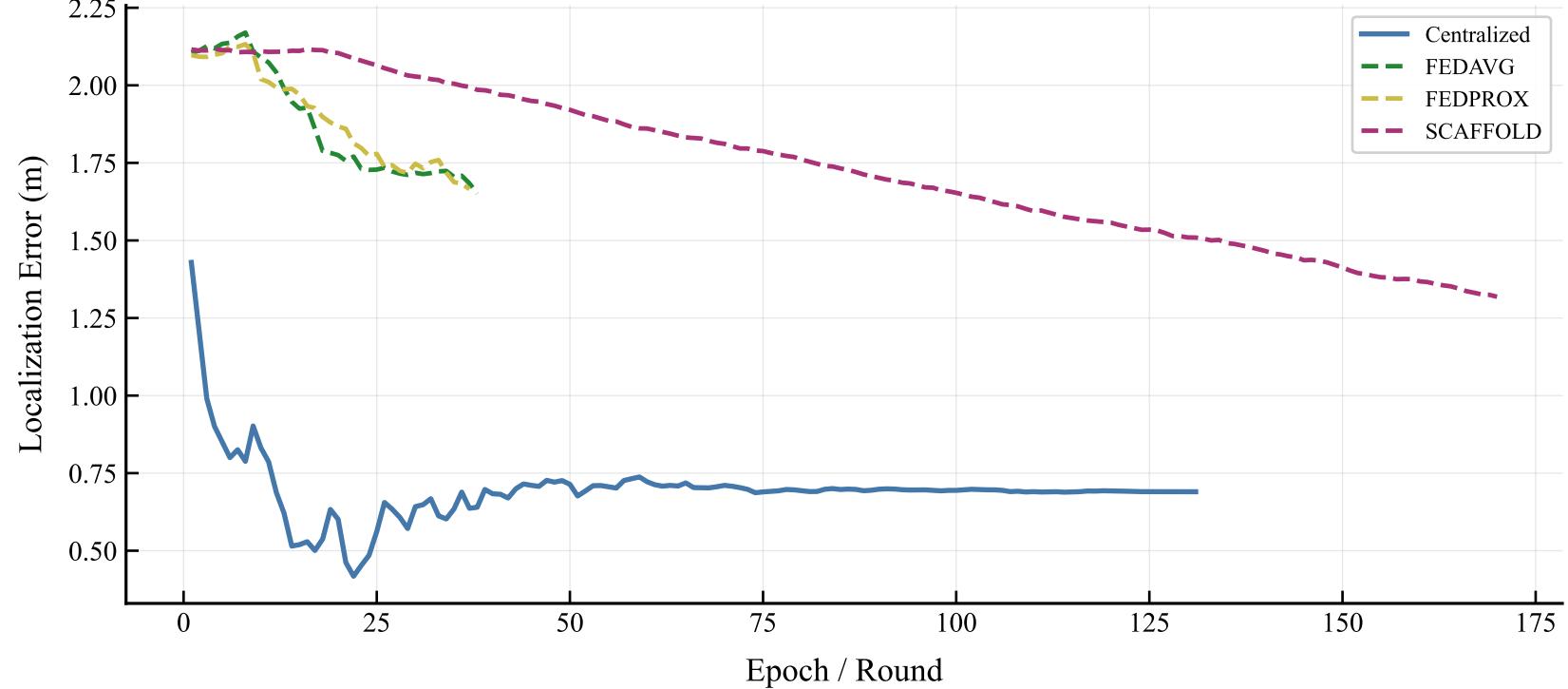
STAGE 2 METRICS
=====

Centralized:
Error: 0.79 m

Federated:
FEDAVG: 1.79 m
FEDPROX: 1.93 m
SCAFFOLD: 1.32 m

Dataset: 3,232 samples
Environment: Urban

(b) Convergence Comparison



(c) Final Errors

