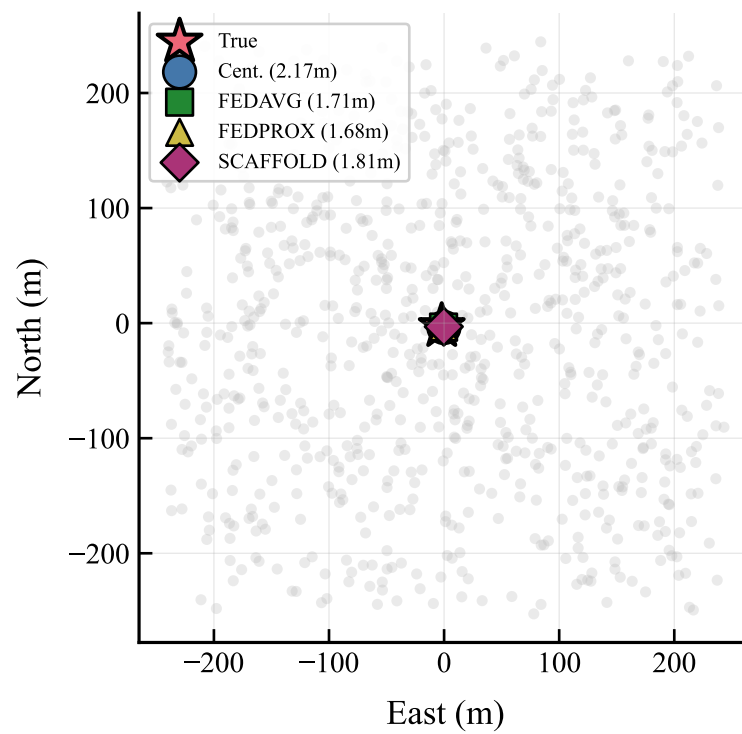


## Stage 2: Localization Summary — Suburban

(a) Localization Results



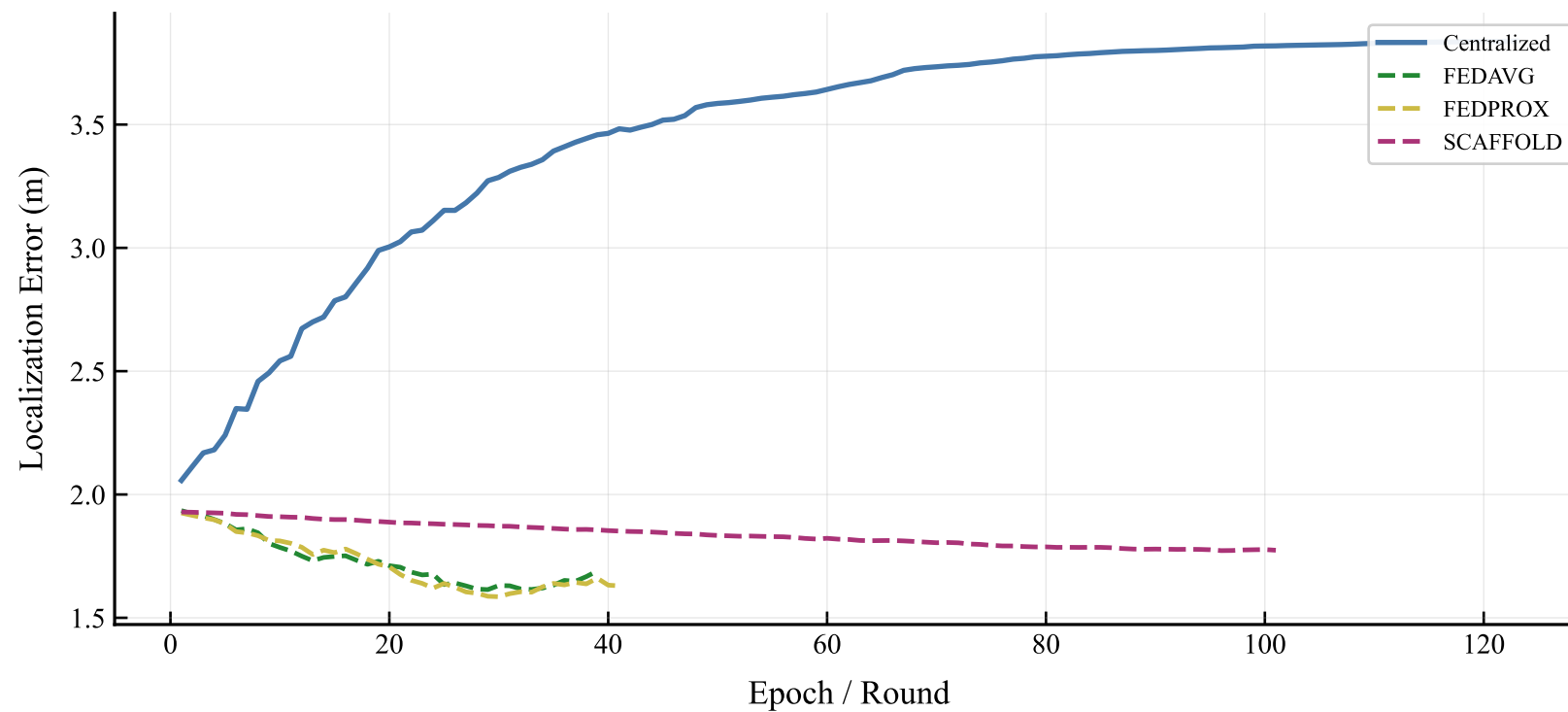
### STAGE 2 METRICS

Centralized:  
Error: 2.17 m

Federated:  
FEDAVG: 1.71 m  
FEDPROX: 1.68 m  
SCAFFOLD: 1.81 m

Dataset: 810 samples  
Environment: Suburban

(b) Convergence Comparison



(c) Final Errors

