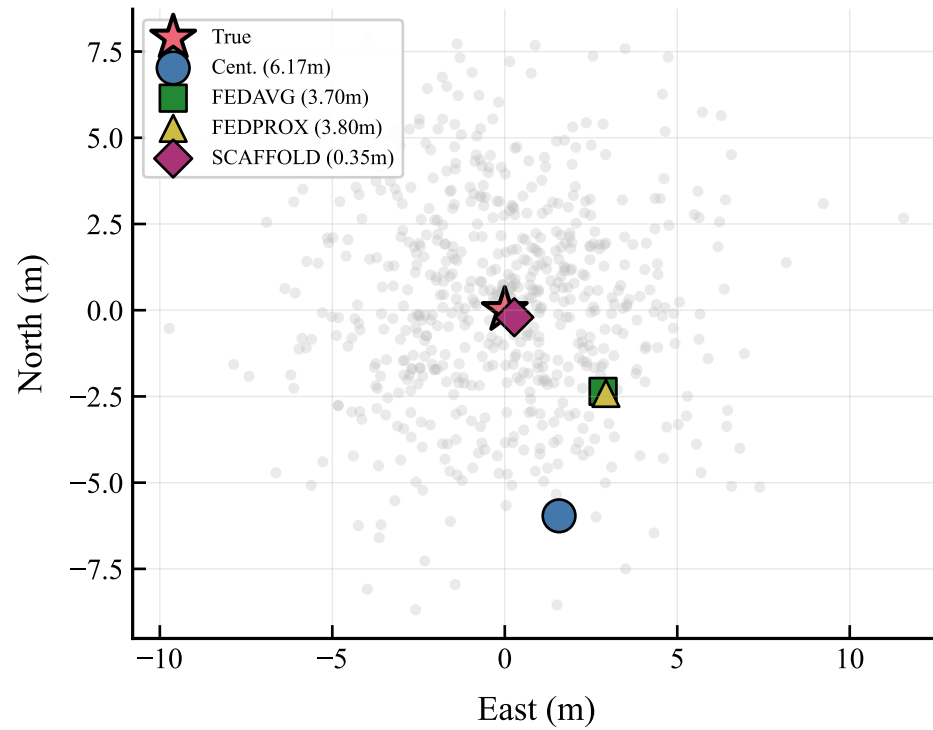


## Stage 2: Localization Summary — Lab Wired

(a) Localization Results



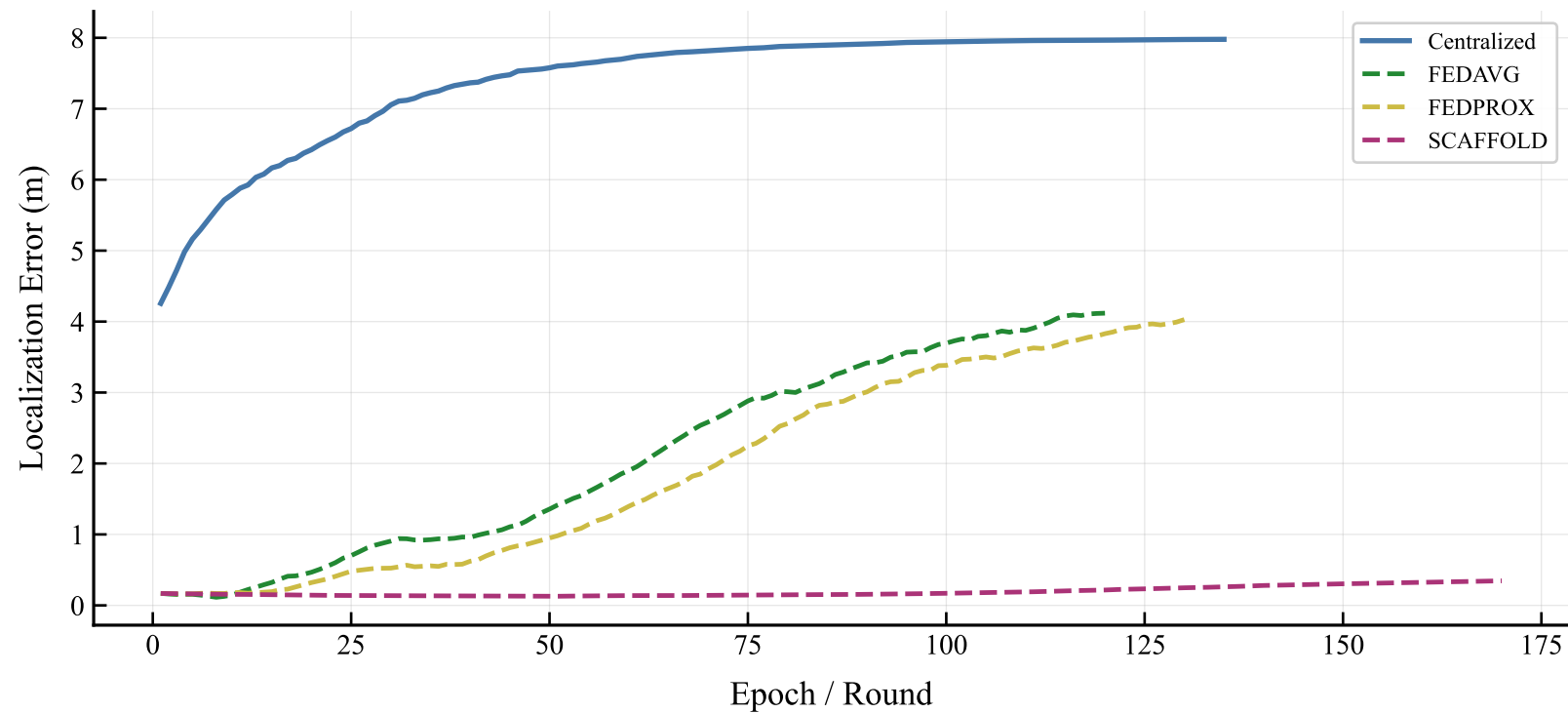
### STAGE 2 METRICS

Centralized:  
Error: 6.17 m

Federated:  
FEDAVG: 3.70 m  
FEDPROX: 3.80 m  
SCAFFOLD: 0.35 m

Dataset: 608 samples  
Environment: Lab Wired

(b) Convergence Comparison



(c) Final Errors

