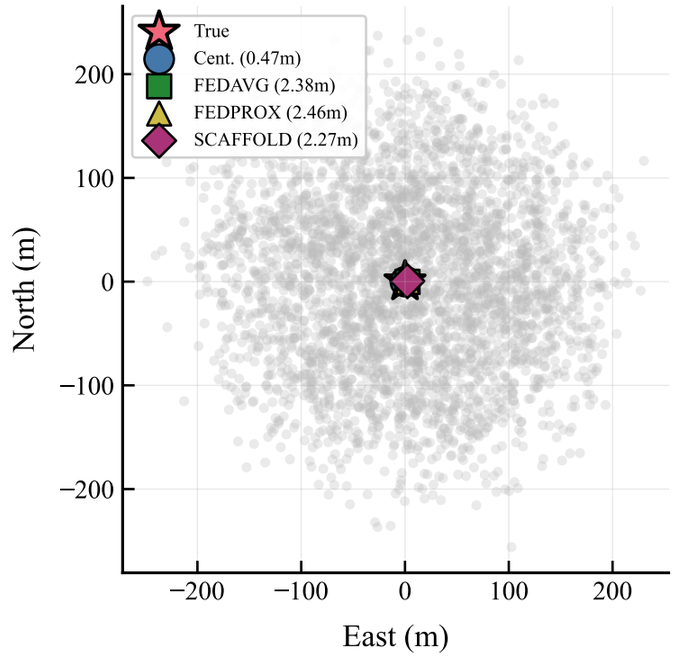
Stage 2: Localization Summary — Urban

(a) Localization Results




```
STAGE 2 METRICS
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Centralized:
  Error: 0.47 m

Federated:
  FEDAVG: 2.38 m
  FEDPROX: 2.46 m
  SCAFFOLD: 2.27 m

Dataset: 3,232 samples
Environment: Urban
```
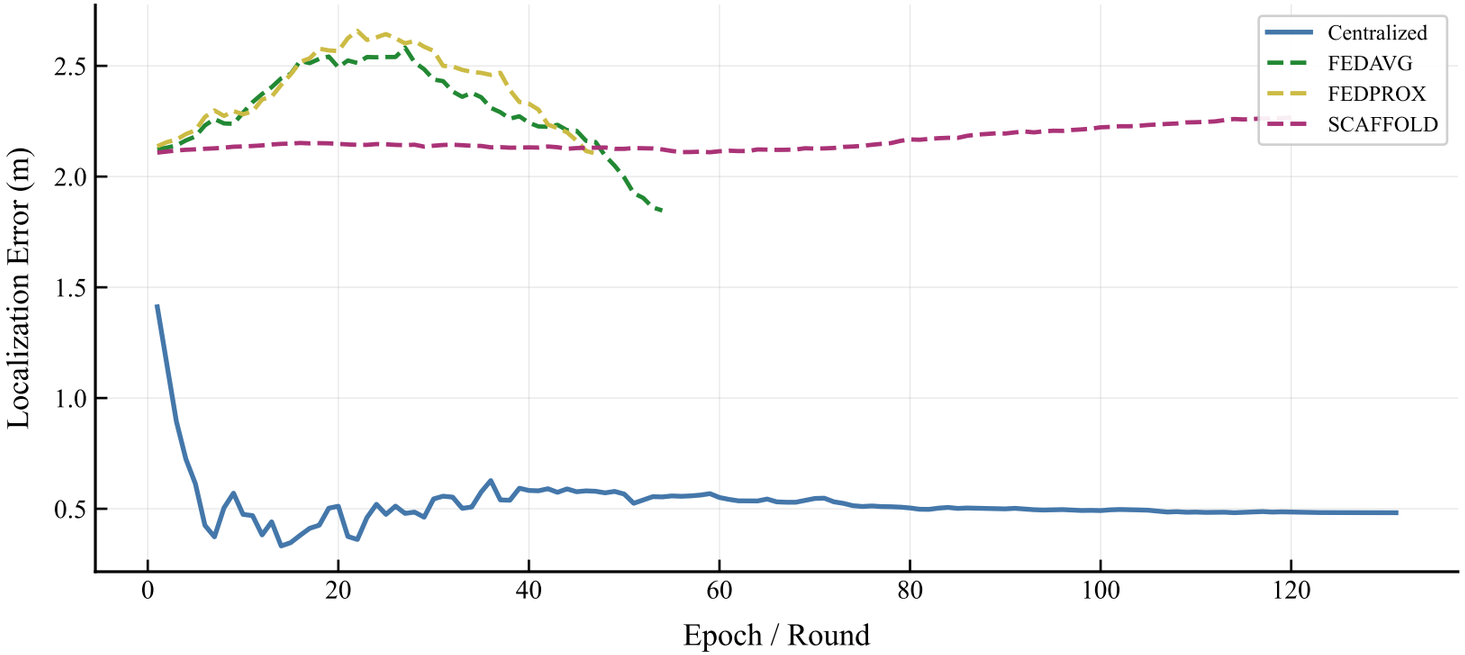
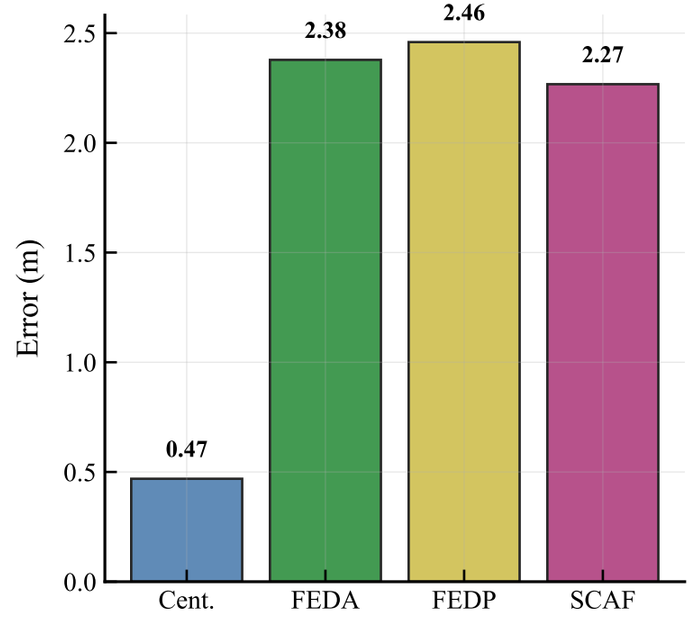

(b) Convergence Comparison



(c) Final Errors