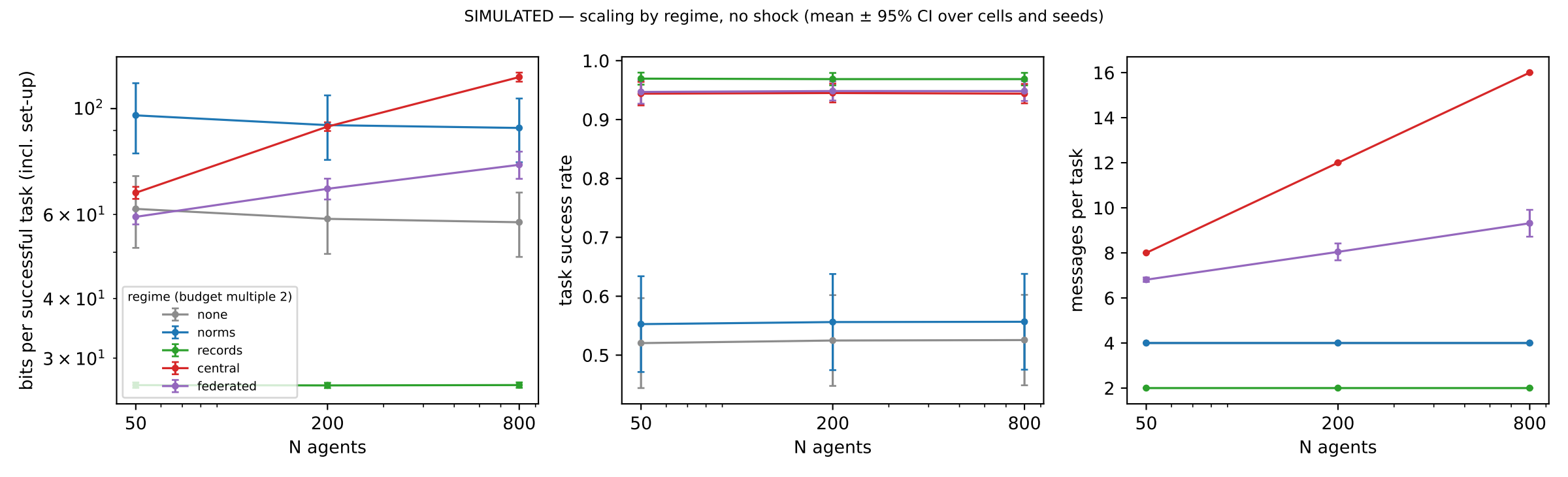

SIMULATED — scaling by regime, no shock (mean ± 95% CI over cells and seeds)
bits per successful task (incl. set-up)
$10^2$
$6 \times 10^1$
$4 \times 10^1$
$3 \times 10^1$
regime (budget multiple 2)
none
norms
records
central
federated
50
200
800
N agents
task success rate
1.0
0.9
0.8
0.7
0.6
0.5
50
200
800
N agents
messages per task
16
14
12
10
8
6
4
2
50
200
800
N agents