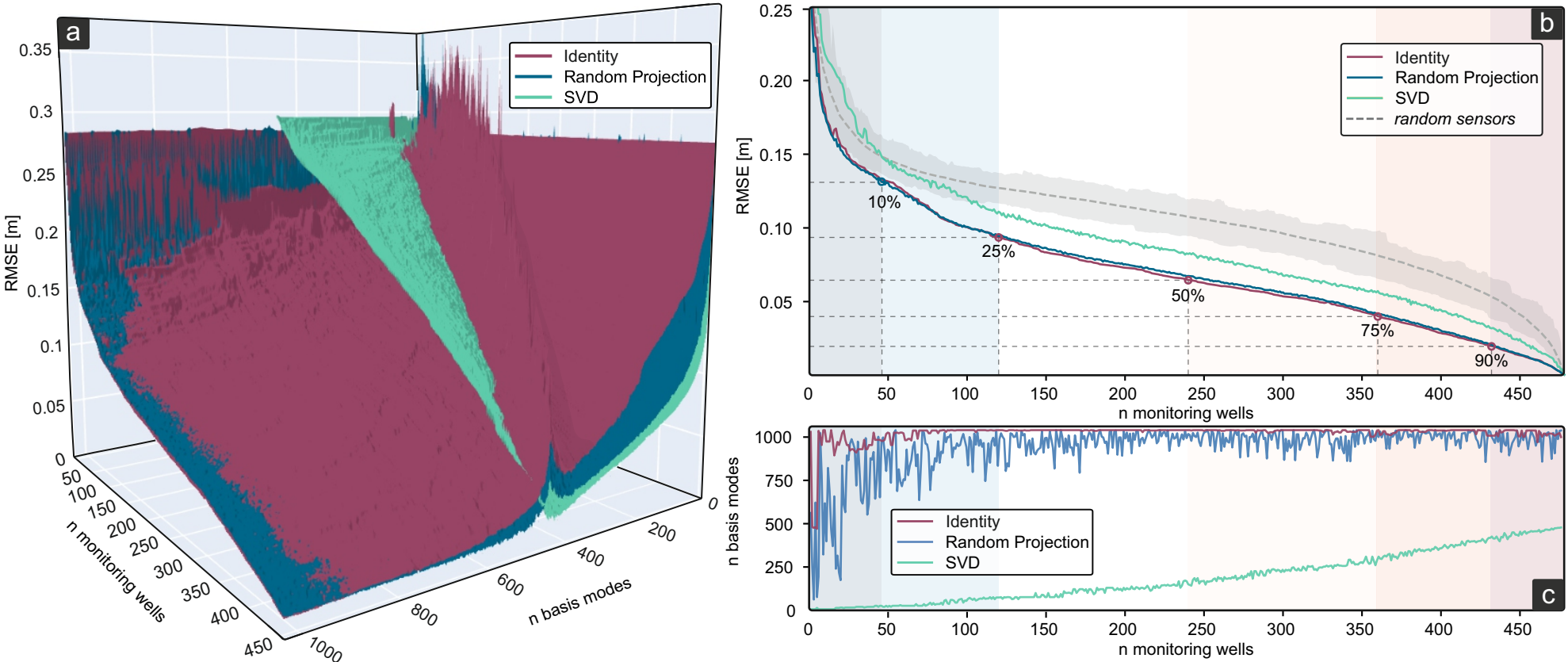
a
Identity
Random Projection
SVD
RMSE [m]
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
50
100
150
200
250
300
350
400
450
n monitoring wells
0
200
400
600
800
1000
n basis modes
b
Identity
Random Projection
SVD
random sensors
RMSE [m]
0.25
0.20
0.15
0.10
0.05
10%
25%
50%
75%
90%
0
50
100
150
200
250
300
350
400
450
n monitoring wells
c
n basis modes
1000
750
500
250
0
Identity
Random Projection
SVD
0
50
100
150
200
250
300
350
400
450
n monitoring wells