## **Cloud K-SVD Local K-SVD** P = 16P = 1613 Q = 200Q = 200Q = 800Q = 80012 -12 Q = 2000Q = 2000Q = 8000Q = 800010 11 Q = 20000Q = 200008 10 $\ell_2(D)$ $\ell_2(D)$ 8 4 2 6 0 5 -10 20 30 40 50 10 20 30 40 50 Iteration Iteration