Start

Construct the candidate BS cluster set $\mathcal{C}$: use sets (10) with $u \leq J_{\text{MAX}}$

$t = 0$

BS $j$ estimates channel $\hat{H}_{k,j}(t), k \in \mathcal{K}$, as from (2), and forwards it to the CU

The CU estimates $\hat{R}^{(c)}(t), c \in \mathcal{C}$, by (16)

The CU performs clustering optimization by (18)

Downlink data transmission

$t < T - 1$

yes

$t = t + 1$

no

Stop