
Protocol 1 : COMET (Implemented within the Clusters)

Input. A cluster of sensor nodes where the coverage probability α_i is required for the i^{th} event-type to be sensed.

Output. The probability of coverage breaches is maintained below the required threshold and the amount of redundant data transmitted is minimized for each event type that cluster members gather data.

1. **for** $i = 1$ **to** number of event types **do**