

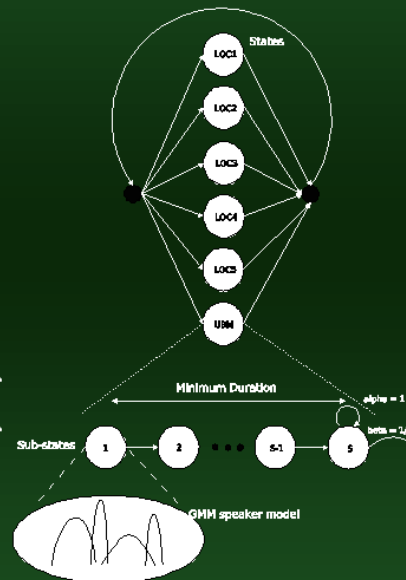
MAIN CHARACTERISTICS OF THE UPC SYSTEM



SEGMENTACIÓN (III)

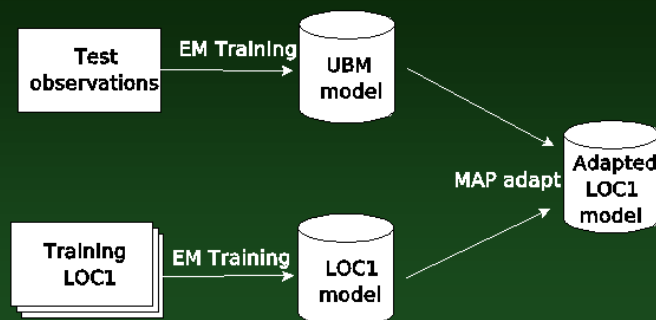
- SISTEMA TALP (UPC):

- Ergodic HMM with 6 states, each one corresponds to each “LOC” and to “OTROS”
- Each state contains a set of S sub-states imposing a minimum duration
- Each sub-state has a pdf modeled by a GMM model of size 64 Gauss, tied across all sub-states in a speaker



SEGMENTACIÓN (IV)

- The signal spectrum is estimated with 12 MFCC obtained every 10 ms
- Each speaker model is MAP adapted (mean + weight) from a UBM model
- UBM model is EM trained with all the show data





SEGMENTACIÓN (V)

- Iterative segmentation to find new data and MAP re-adaptation of the models
- LLR at frame-level using UBM and threshold tuned with development data
- Gaussian pruning
- Frame purification
- Post-processing of the short-segment boundaries

