FEATURES EXTRACTION
2 s sliding windows, no overlap

SEGMENTATION

FILTER ACCORDING TO MEAN DEPTH
Mean depth > 1.5 m

FILTER ACCORDING TO MEAN SPEED
Mean speed < 2 m s⁻¹
Low speed activities

SPLIT
Holdout or Leave-one-out

SEGMENTATION TRAINING

BAYESIAN OPTIMIZATION
(5-fold crossvalidation, 100 iterations)

REPEAT

PREDICTION

PERFORMANCE EVALUATION