Phase Progress Block_1 Block_7 Block_2 Block_6 Block_5 Block_4 Block_8 Block_3 **RUN 1** Outdoor **Female** Indoor Outdoor Male **Female** Indoor Male FEMALE FACE PLEASE WAIT ... PLEASE WAIT ... 10 Seconds 180 Seconds **5 Seconds** 2 Seconds 1 Second **5 Seconds** 1 Second The rest between For the signal to be **Black image with Activity Image Activity Image Grey Image** Instruction settled the cross sign two blocks Activity (A_s) Baseline (B_s) **Block's EEG Data** Offline Analysis Wavelet Spike/Epoch Classifier **Bandpass Artifact Baseline Rejection ICA Denoising Epoching ERP Transform** Rejection A_s -Mean (B_s) **Development Filtering** Rejection **Analysis Signal Processing Signal Pre-processing**