Phase Progress Block_1 Block_2 Block_6 Block_7 Block_5 Block_4 Block_8 Block_3 **RUN 1** Outdoor Female **Female** Indoor Outdoor Male Indoor Male $\overline{////}$ Press the trigger when you observe a: PLEASE WAIT ... FEMALE FACE PLEASE WAIT ... 180 Seconds 10 Seconds **5 Seconds** 1 Second 1 Second 7 Seconds For the signal to be The rest between two **Activity Image Grey Image Activity Image** Instruction blocks settled Baseline (B_s) Activity (A_s) Block's EEG Data Offline Analysis Hilbert **Baseline** Wavelet Spike/Epoch Classifier **Bandpass Artifact Denoising Epoching Transform** Rejection **ERP Envelop** Rejection **Filtering** Rejection **Development** A_s-Mean (B_s) **Analysis Analysis Signal Pre-processing Signal Processing**