

# Processing Workflow

## iButtons

Location: taped, worn, house  
Variables: temperature, humidity



Cleaning: PVL, plausibility, wear time detection  
Aggregation: hourly, RAW



Saved on /data/Participants/week\_x

## Noise sentries

Location: house  
Variables: noise



Cleaning: fixed observation period, outliers  
Aggregation: hourly/daily/weekly indicators, RAW



Saved on /data/Participants/week\_x

## Actigraph

Location: wrist  
Variables: acceleration, temperature, heart rate



Actilife conversion .agds to .RAW and generation of  
step counts and skin temperature



Heart rate calculation with HR.R script



Cleaning of heart rate variables, step counts, skin temperature,  
acceleration based on wear time validation and PVL  
Aggregation: none



Saved on /data/Participants/week\_x



GGIR generation of acceleration,  
wear time validation, and sleep

