

The UTx000 Study: An Ecologically Valid, Multimodal Dataset

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💡 Motivation

Collect **meaningful** data
unobstrusively

Provide a **holistic** view of the
participants

📖 Background

“Natural” settings > Lab settings

Remote and mobile sensing
technologies on the rise

📋 Study Details

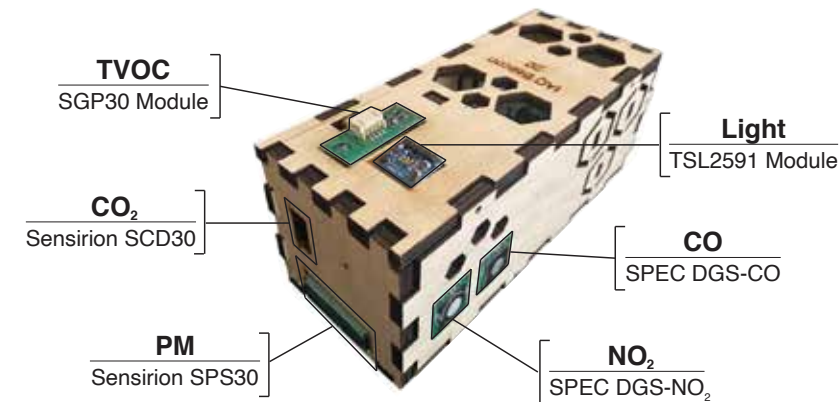
3 Months

3 Primary Modalities

70 Participants

100,000 Hours of Data

⚙️ Methods



Building EnVironment and Occupancy Beacon

Activity Tracking

Passively monitors
activity

Sleep Tracking

Sleep periods/stages
estimated by heart
rate/movement



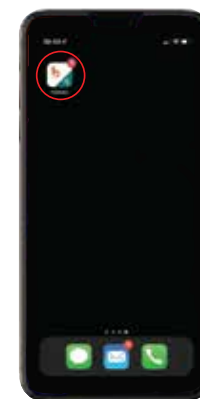
Fitbit Inspire HR

Sleep/Mood

Regular EMAs

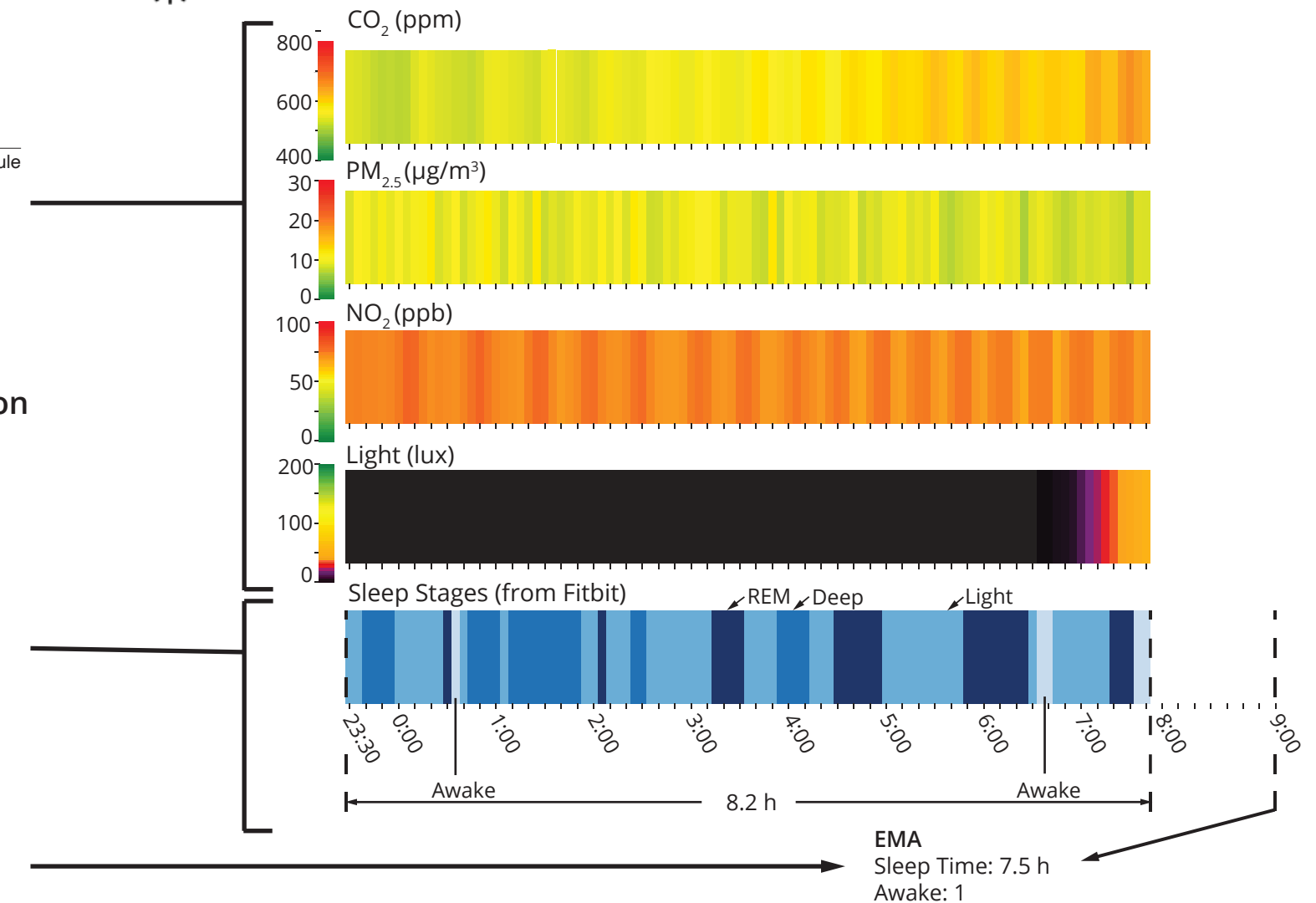
Screen Time

Use data from
phone



Beiwu App

📊 Results



Example of how modalities can be seamlessly integrated

🧑 Acknowledgement

This work was supported by Whole Communities
—Whole Health, a research grand challenge at the
University of Texas at Austin.

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