

5th Nordic Seminar on technical Measurement of Physical Activity and Sedentary Behavior

SurPASS: AUTOMATING DEVICE-BASED MEASUREMENT OF PHYSICAL ACTIVTIY

On behalf of the SurPASS team Nidhi Gupta

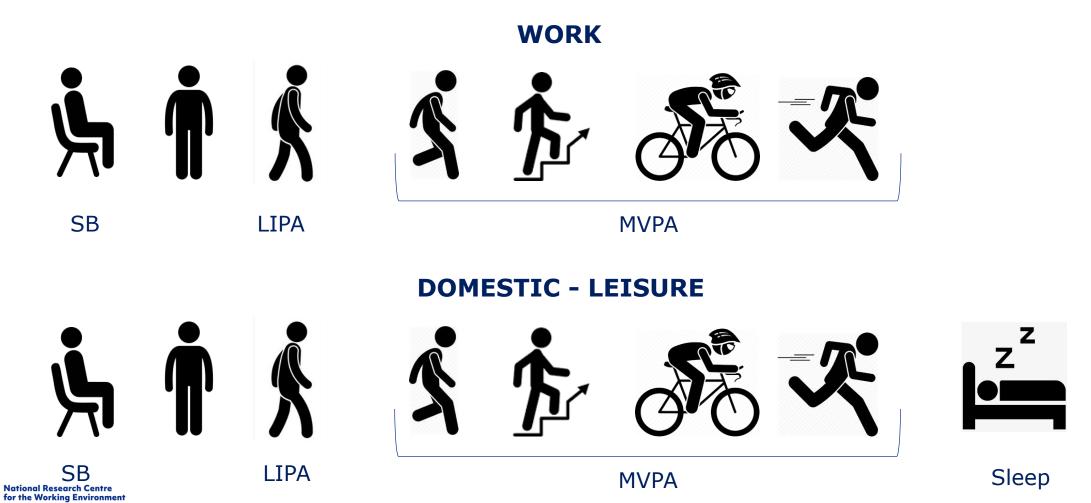
VISION Device-Based Measurement system for surveillance and cohorts on **MEANINGFUL** 24/7 Physical Behaviors FOR ALL

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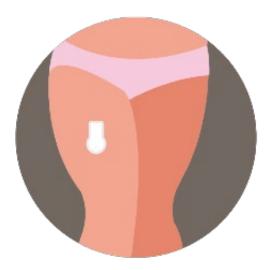
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Sur**PASS**

MEANINGFUL 24/7 DOMAIN SPECIFIC PHYSICAL BEHAVIORS



DEVICE-BASED MEASUREMENTS FOR ALL WHAT IS REQUIRED?





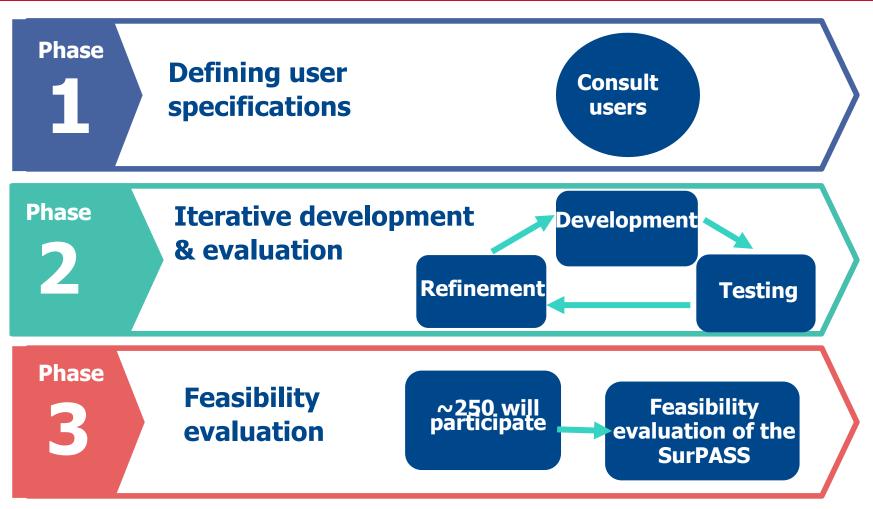
LOW BURDEN ON PARTICIPANTS AND ADMINISTRATORS

DATA FLOW AND SECURITY

FLEXIBLE AND SCALABLE



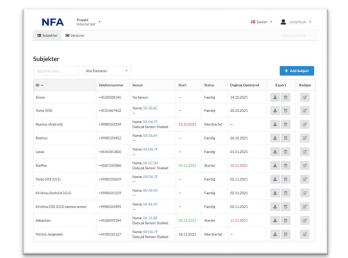
DEVELOPMENT OF THE SURPASS SYSTEM



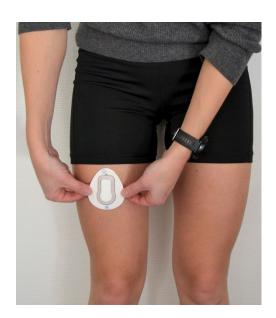


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THE SURPASS SYSTEM







The app

On participants phone

National Research Centre for the Working Environment

The web-app

For researchers

The backend

The sensor On participants body

THE SURPASS MEASUREMENT SYSTEM

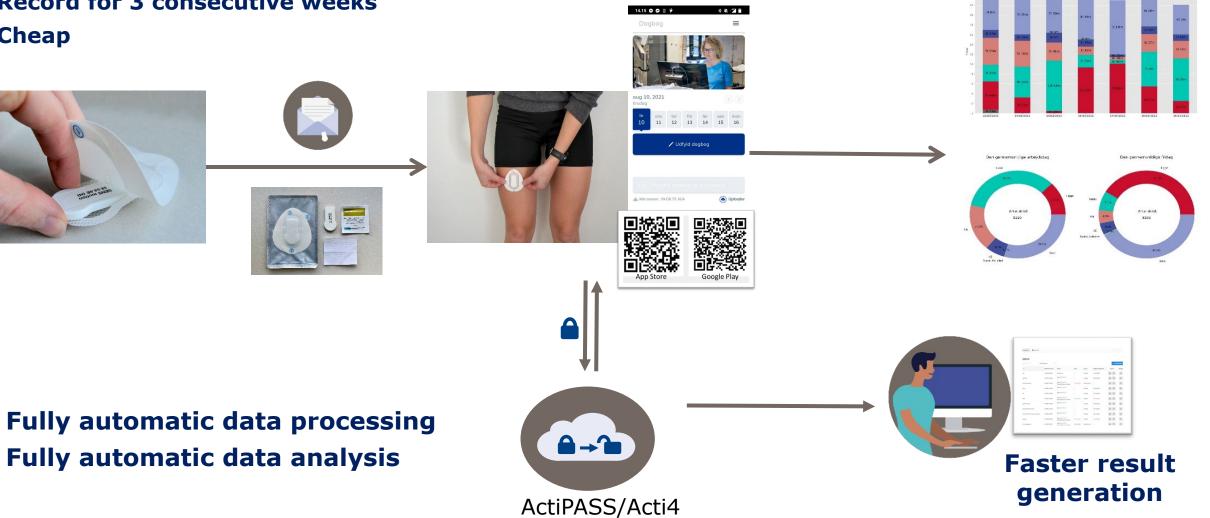
- No battery charge •
- **Record for 3 consecutive weeks**
- Cheap

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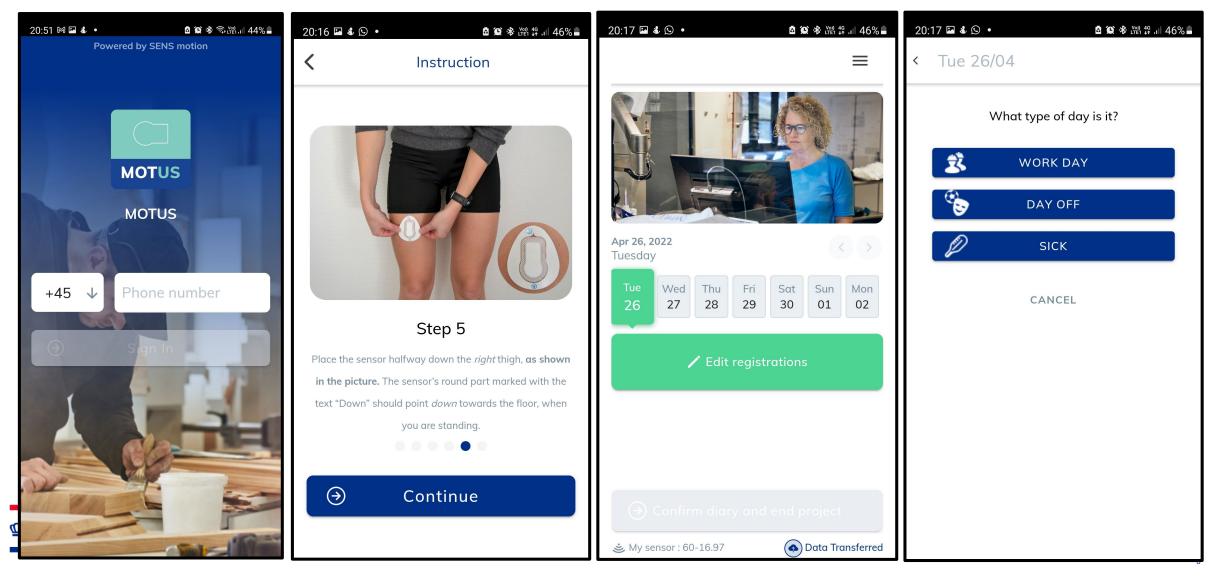
7 days measurements



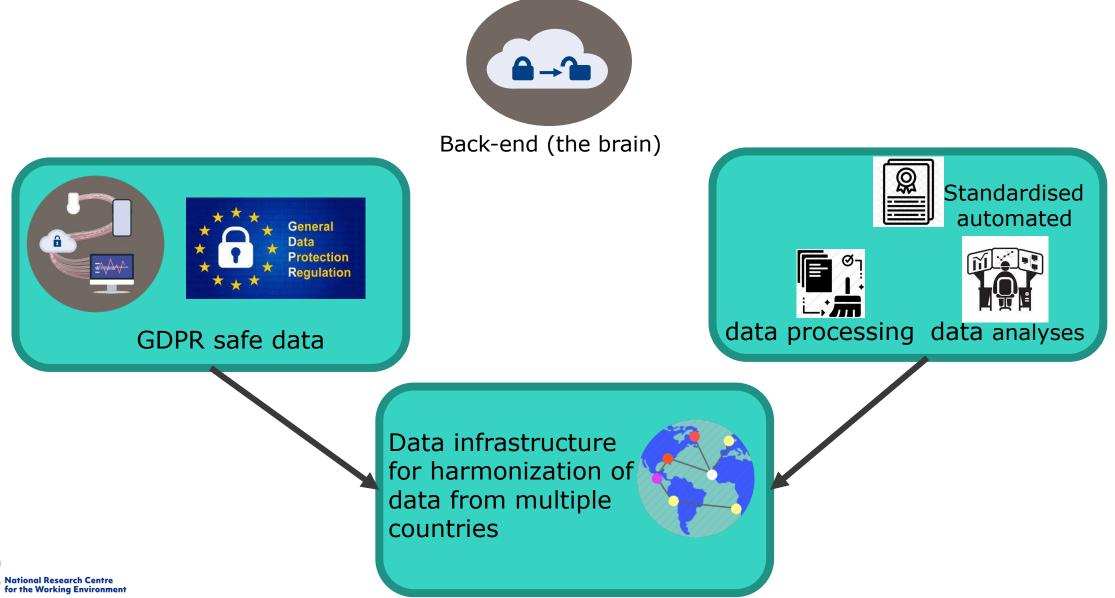




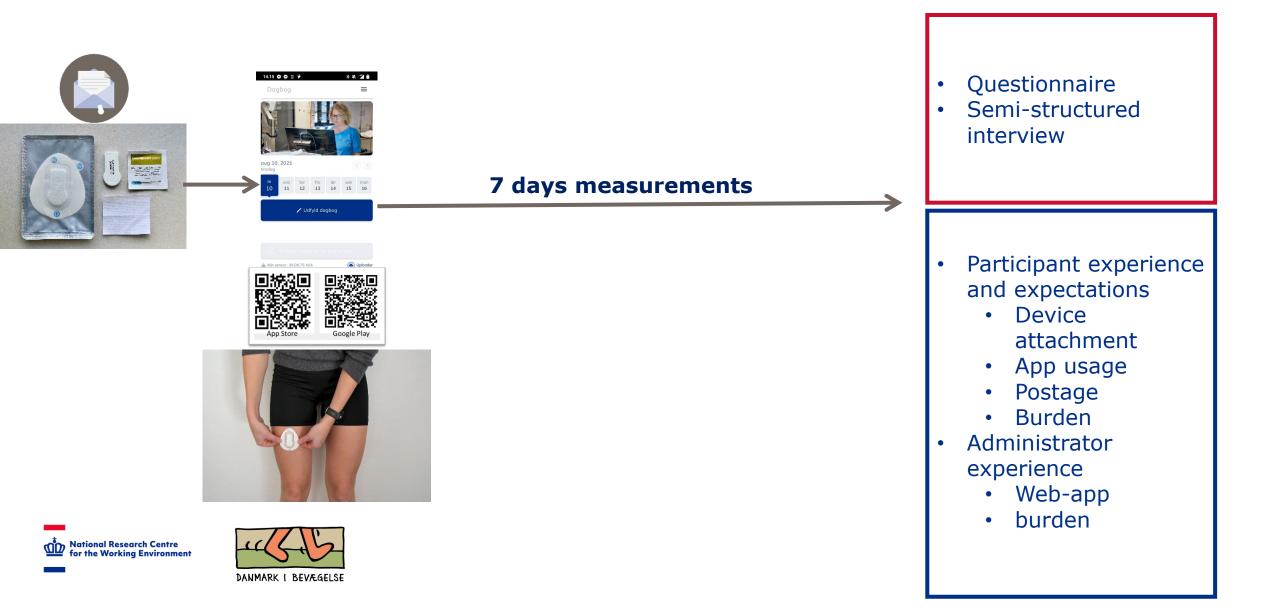




UNIQUENESS AND NOVELTY



USER PRE-FEASBILITY TEST OF THE SYSTEM (N=38)

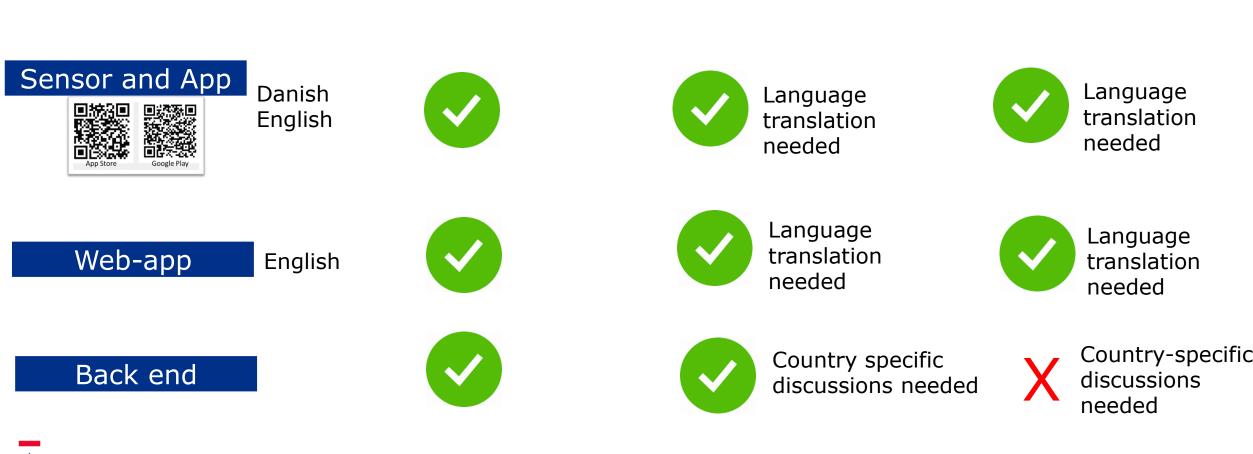




MOTUS STATUS AND ITS FUTURE

The system is in feasibility phase and is ready to go

Denmark



National Research Centre for the Working Environment

A cultural adaptation and a feasibility trial of the system should be conducted when used in various regions and countries in the future

Nordic/EU

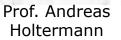
Non-EU

Project Team

National Research Centre for the Working Environment

















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Rebranding The System





Thank you

find more information about the project here:

https://nfa.dk/da/forskning/strategiskeforskningsomraader/om-msb/om_msb_researchers

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