





Lone Percy-Smith

Introduction

Goal: To develop, test and carry out a method to secure children and adolescents with HL optimum inclusion. The specific goals of the project are:

- To train children and adolescents with HL to navigate in different listening situations
- To give families, teachers, speech and language pathologists around children and adolescents with HL knowledge and the nessesary tools to optimise social and academic inclusion.

Methodology

- 2 year project period September 2021 – September 2023
- Funded by VELUX-fonden
- 22 children, aged 8-12 year • 16 children fitted with bilateral
- cochlear implants • 5 children fitted with bilateral
- hearing aids • 1 child with bimodal hearing solution; i.e. one hearing aid and one cochlear implant
- Pretest of app: 26 aged-matched children with normal hearing
- School year 2021-2022: 2. to 5. grade
- Total number of respondents (e.g. children, parents, teachers, speech and language pathologists): 170
- 15 different municipalities from Region Hovedstaden and Region Sjælland are represented in the project
- Children are divided into two groups and work as each others control

- a week for 3 months awareness
- the training period Goals:

 - own hearing?

 - awareness?
- 250 hours of observations
- training with the app
- Social well-being: SDQ and CBVS questionnaires before and after the training
- being
- and language pathologists who are responsible for implementing a final app

Focus group meeting

- One evening from 5pm to 7pm
- Introduction (name and home town) as we have never met before Ice-breaker-game
- Pizza
- Questions about having a HL and strategies







LYT IGEN VR and gamification to train spatial awareness

Stefania Serafin Nete Rudbeck Kamper Carl Hanefeld-Møller Hutters

Ingibjörg Sigtryggsdóttir Lærke Hammer Ali Adjorlu

Activities

VR training with the LYT IGEN-app twice • Goal: Enhance the children's spatial

Focus group meetings before and after

• What do children with HL of today think about their everyday life? • Which strategies do they use to optimise listening situations? • Do they feel responsible of their

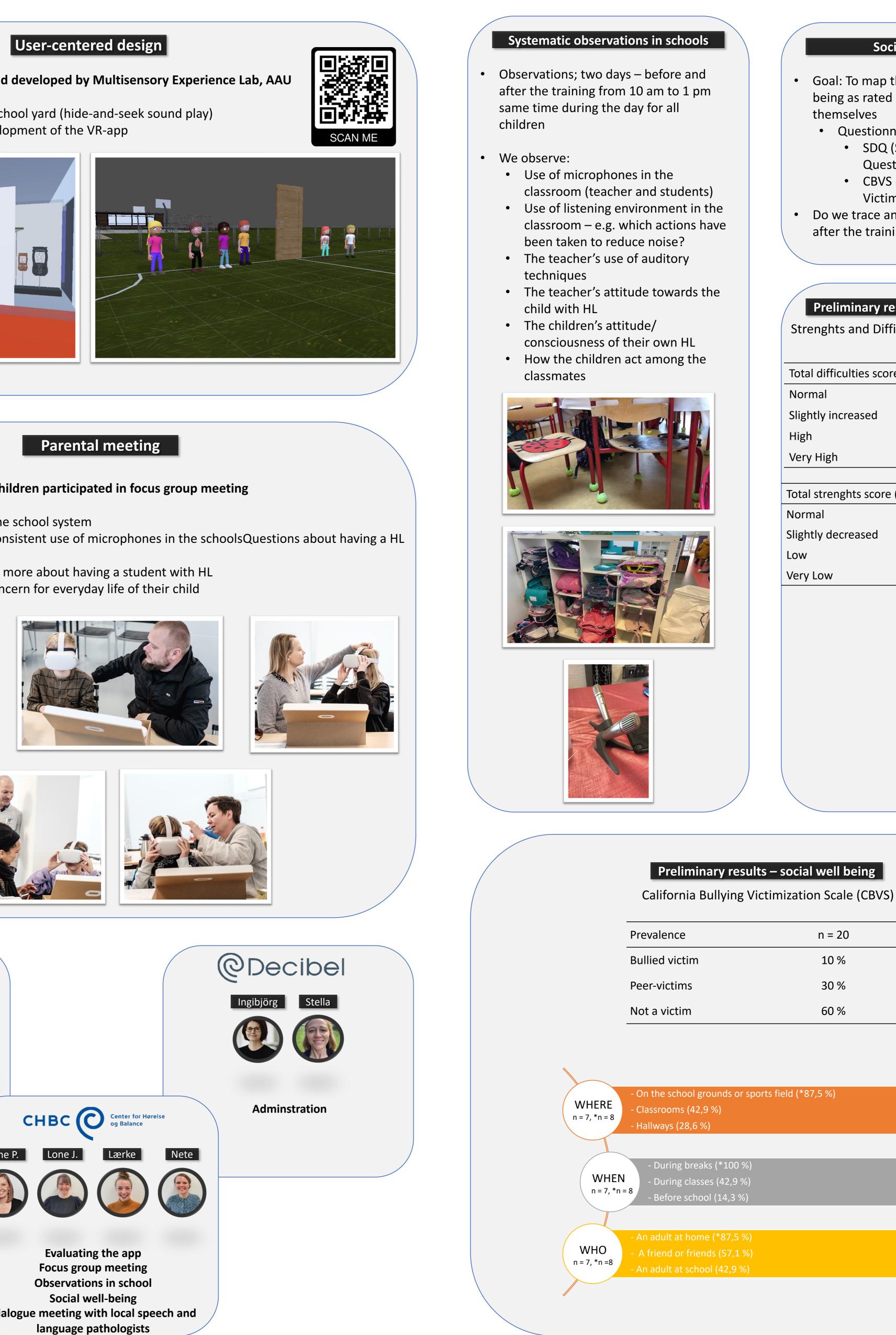
• Exchange of experience with other children at the same age • Did the app enhance their spatial

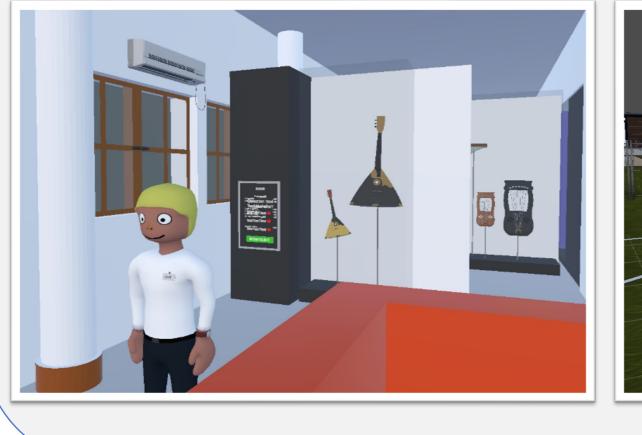
Systematic observations in the schools before and after the training period:

• Goal: To identify the childrens strategies and responsibility of their listening situations, observe effect of

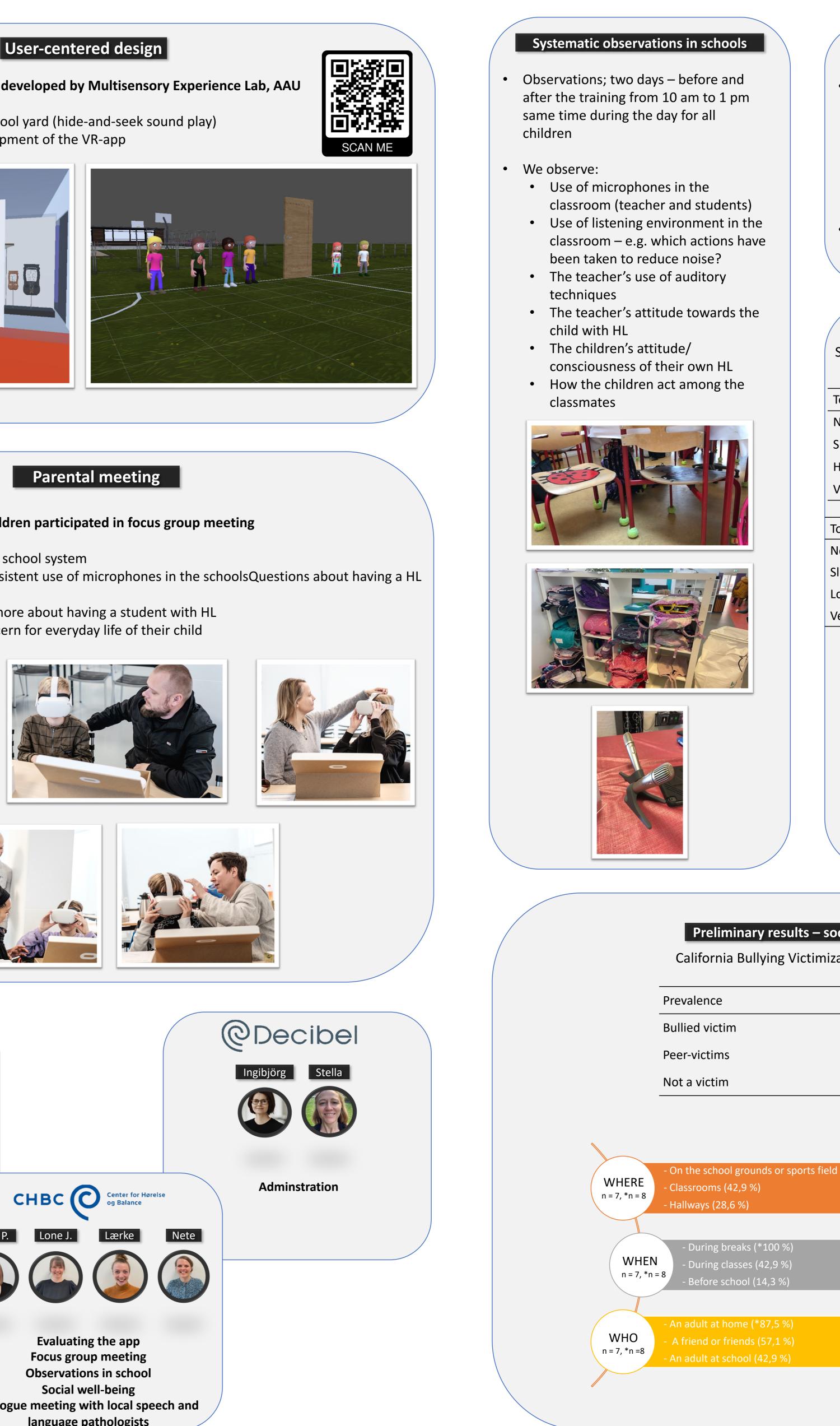
Goal: To map the childrens social well-

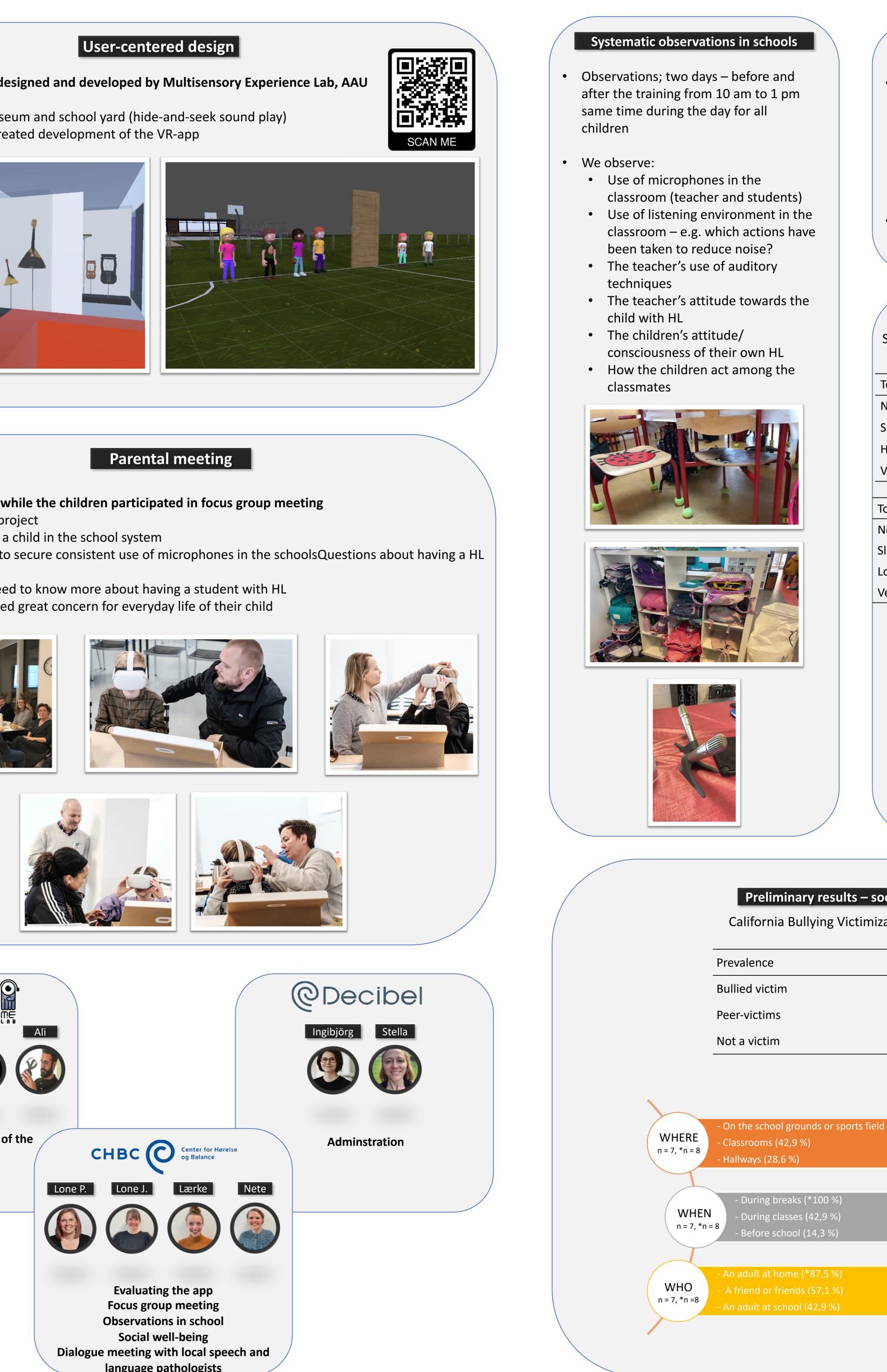
Dialogue meetings with the local speech Goal: to partner with the local authorities















Daniel Boonma Reipur

Lone Jantzen



Social well-being

- Goal: To map the childrens social wellbeing as rated by the children themselves Questionnaires
 - SDQ (Strenghts and Difficulties
 - Questionnaries)
 - CBVS (California Bullying
 - Victimization Scale)
- Do we trace any change between and after the training?

Preliminary results – social well being

Strenghts and Difficulties Questionnaire (SDQ)

Total difficulties score (n= 22 børn)	
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Normal	77,3 %
Slightly increased	18,2 %
High	4,5 %
Very High	0 %
Total strenghts score (n= 22	2 børn)
Normal	81,8 %
Slightly decreased	9,1 %
Low	0 %
Very Low	9,1 %

n = 2	20
10 9	%
30 9	%
60 9	%