



SUITCEYES

Smart, User-friendly, Interactive, Tactual,
Cognition-Enhancer, that Yields Extended Sensosphere

Appropriating sensor technologies,
machine learning, gamification and
smart haptic interfaces

NEW POSSIBILITIES FOR THE INCLUSION OF PEOPLE WITH DEAFBLINDNESS

3 2018
YEARS 2020

7
COUNTRIES

2.5 Million people with deafblindness
in the European Union

OUR MOTIVATION

Communication is the main challenge for persons with deafblindness and there are few intelligent tools to facilitate communication and learning for this population.

OUR OBJECTIVE

The overall objective of SUITCEYES is to improve the level of independence and participation of persons with deafblindness and to enhance their communication, perception of the environment, knowledge acquisition, and conduct of daily routines.

DEAFBLINDNESS?

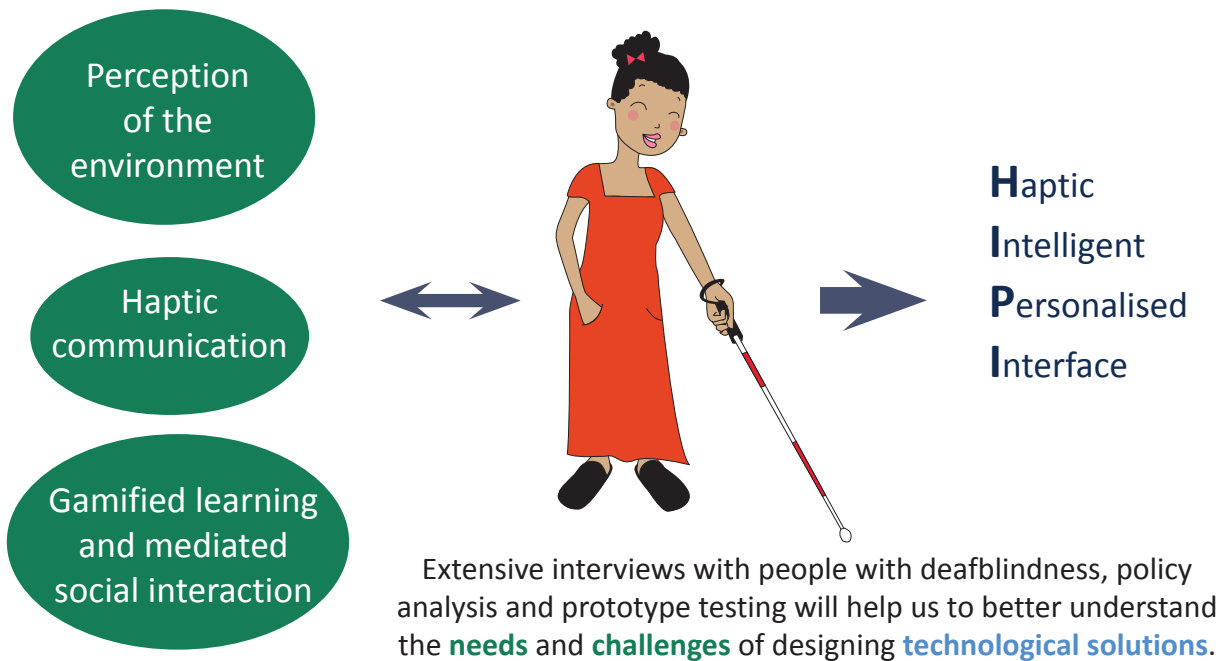
Is the combination of both sight and hearing impairments, where the level of impairments in either of these senses is too severe to allow compensation on the other*. It is often said that in the case of deafblindness, one plus one equals three. This implies that the severity of communication problems is greatly increased for this group, preventing access to communication, people, and the environment.

*This formulation is a translation of the definition by Förbundet Sveriges Dövblanda.



By using sensors, face and object recognition, and other Internet of Things technologies, information about the surroundings will be captured and communicated to the user via a haptic interface based on smart textiles. We call this interface the **HIPI: Haptic Intelligent Personalised Interface!**

OUR APPROACH : user-centered design

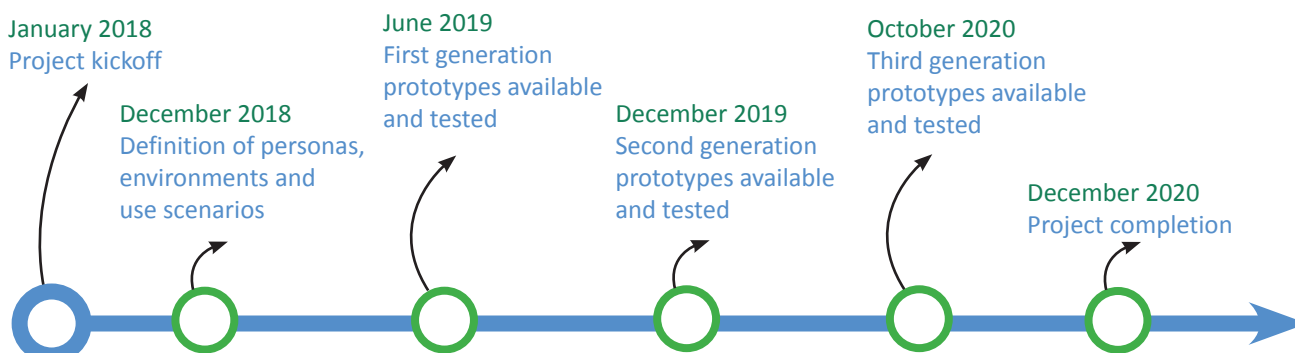


WHO WE ARE

The SUITCEYES consortium consists of five European research institutions, a partner from industry producing cutting-edge and flexible solutions for people with disabilities and a non-profit organisation that creates tactile illustrated books for visually impaired children. The respective areas of expertise of this group have been specifically brought together to meet the demands and objectives of this project.



SUITCEYES MILESTONES



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WANT TO FOLLOW THE PROJECT?

www.suitceyes.eu

