

# What is next ?

Make a third version of the HIPI that can be tested by people with deafblindness and others

WANT TO FOLLOW THE PROJECT?

[www.suitceyes.eu](http://www.suitceyes.eu)



## 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.



This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 780814.

# Combining garments and technology to assist people with deafblindness



# SUITCEYES

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

1

**Talking and Learning with people with deafblindness:**

We talked to people with deafblindness about what they need and how technology could help. We also asked people who knew them well. Then we decided what we would do.



2

**Playing and learning:**

We are also developing games that can help people with deafblindness to learn how to use the HIPI for getting around and for communicating with other people.



**The technology is called a "HIPI"**

**This is a Haptic Intelligent Personalised Interface:**

We are making clothes that can tell people with deafblindness what is happening around them. It does this by making vibration patterns on the body.

3

**Sensor technology:**

The technology uses cameras and sensors that can identify which people and things are nearby. It can help people to move from one place to another and avoid things in the way.



4

**Translating information into vibration signals:**

People with deafblindness are helping us to create vibration patterns that we call "haptograms". These haptograms give information about the surroundings to users.



**How does the HIPI assist people with deafblindness to do?**

- Move between places and avoid obstacles
- Identify people and objects
- Learn about the surroundings through vibration patterns (haptograms)
- Do game-type activities to learn how to use it

January 2018  
Project kickoff

December 2018  
Find out what people with deafblindness need

June 2019  
Develop first version of the HIPI

December 2019  
Develop second version of the HIPI

October 2020  
Develop third version of the HIPI

December 2020  
Project completion