



Inclusion and Accessibility Training

In cooperation with NHM,
Wien





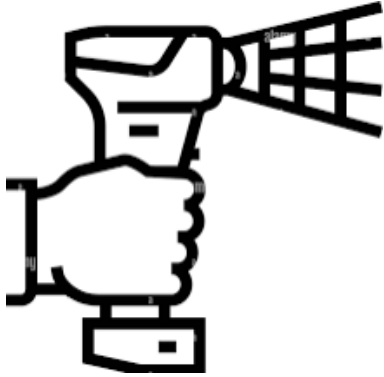
Sense



-  Start/Stop button
-  Point of Interest

Sense is a sensorized replica of an artwork, named *Sense*, which can be used for an autonomous multisensory exploration by blind and visually impaired people. The replica, in fact, is associated via special capacitive sensors to a synchronized audio guide, allowing to combine the haptic perception with an extra level of information, involving a different sensorial dimension.

THE PRODUCTION PROCESS



3D SCANNING



3D PRINTING



SENSORIZATION

WORKSHOP

Enhancing Art Access for the Blind and Visually Impaired through Technology

Duration: 3 Hours

Overview

This workshop is designed for a group of 30 participants, focused on enhancing the accessibility of cultural heritage for blind and visually impaired individuals through the use of advanced technologies.

Objectives

By the end of this workshop, participants will:

- Gain a deeper understanding of the challenges and solutions in making art accessible to blind and visually impaired individuals.
- Learn about and interact with advanced technologies that facilitate multisensory art experiences.
- Collaboratively create a sensorized replica of an artwork, enhancing their appreciation of how different sensory dimensions can enrich art exploration.
- Join us to explore how technology can transform the way we experience and appreciate art, ensuring it is accessible to everyone, regardless of visual ability.

Workshop Content

Hour 1: Theoretical Introduction and Product Demonstration

Introduction to Accessibility in Art:

Discuss the challenges faced by blind and visually impaired individuals in experiencing artwork. Highlight the importance of multisensory approaches in cultural heritage accessibility.

Presentation of Sense:

- Overview of the cutting-edge technologies involved: 3D scanning, 3D printing, and capacitive sensing.
- Introduction to the development and concept of Sense, a sensorized replica of an artwork.

Demo Corner:

Interactive demonstration of Sense, allowing participants to experience how capacitive sensors and synchronized audio guides work together for a multisensory exploration of the artwork.

Hour 2: Group Activity - Co-Creating the Sensorized Replica of the Venus of Willendorf

Hands-On Group Activity:

Participants will be divided into groups (maximum 30 people).
Each group will work on co-creating the sensorized replica of the Venus of Willendorf.

Tactile Exploration:

Each groups will be provided with a 1:1 scale reproduction of the Venus of Willendorf, which they will explore with their eyes closed in order to understand how blind people experience the world. Detailed descriptions and historical information about the artwork will be provided.

Creating Descriptive Texts:

Based on their tactile exploration and the theoretical introduction, groups will write four short texts associated with four points of interest on the surface of the object, to be sensorized in the final replica.

Coffee Break

Hour 3: Finalizing the Sensorized Replica

Transforming Texts into Audio:

The descriptive texts created by the groups will be transformed into audio guides*.

Completing the 3D Sensorized Replica:

A 3:1 3D sensorized replica of the *Venus of Willendorf* will be completed with a selection of the best newly created audios, in order to deliver a complete *Sense* of the *Venus of Willendorf*, that will be left to the Museum of Natural History**.

Participants will have the opportunity to interact with the final multisensory artwork they contributed to create.

*During the coffee break the texts will be converted into audio thanks to AI platform. This operation will take approximately 20 minutes

** The replica will be already sensorized and integrated with an app, in order to be completed and ready-to-use when the audio will be added. Our company is delighted to donate the product free of charge, shall our company logo always be displayed alongside the product. This will allow visitors to recognize our company's contribution and strengthen the collaboration between the institutions.

INTRODUCTORY POI

POI 1 - THE
HEAD



POI 2 – THE
ARMS

POI 4 – THE
NAVEL

POI 3 – THE
KNEES

1 hour
Theoretical Introduction and Demo

2 hour
Group Activity

Coffee Break

3 hour
Finalizing the Sensorized Replica

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THE AESTHETIC OF TACTILITY

Sight is not the only way to experience the physical world. Each sense has its own properties, all of them conveying information to our perception system.

Exploring art through separate sensorial dimensions allows therefore a deeper and enhanced experience, that turns *Sense* into a new approach to art fruition, suitable for everyone!