

1

TECHNICAL REALISATION (SENSORY)

My project aims to engage the visual and auditory senses for audiences:

Auditory Experience (Plant signal generative Sound)

- Translates plant bioelectrical signals into generative music
- Engages listeners emotionally through immersive soundscapes
- Sound controls visual elements (e.g. particle movement)

Visual Experience (Virtual Plant Behavior)

- Bio-signals shape visuals of animated virtual plants states
- Communicates internal rhythms and vitality of plant life
- Builds a virtual language of plant expression through color and motions

IMMERSIVE INSTALLATION

EXPRESSING THE HIDDEN VOICE OF PLANTS

IDENTIFY MY AUDIENCE MEMBERS

2

SENSORY EFFECTS & PERCEPTUAL IMPACT

Emotional Impact

- **Auditory:** The meditative soundscape derived from plant bio-signals evokes calm, introspection, and a sense of connection.
- **Visual:** The organic motion and color of virtual plant forms create aesthetic immersion and a feeling of being “seen” or enveloped by nonhuman life.

Cognitive Impact

- **Auditory:** Hearing plants through sonified data challenges the traditional notion that plants are silent or inexpressive.
- **Visual:** Observing how plants' internal signals drive visual transformations allows audiences to understand them as communicative, responsive entities—participating in their environment rather than merely existing within it..

Behavioral Influence

- **Auditory:** Encourages audiences to listen more attentively to the rhythms and presence of nature in daily life.
- **Visual:** Prompts reconsideration of plants as interactive agents, possibly inspiring future ecological awareness or creative projects.

3 AUDIENCE GROUP

Culturally Biased Individuals / General Public with Limited Awareness of Plant Agency

Who they are: People shaped by traditional anthropocentric or zoocentric worldviews who typically perceive plants as passive background elements in daily life

How They Benefit Directly: The installation enables them to intuitively perceive plant life through sound and visuals, helping to reframe plants as living, communicative beings. This perceptual shift may strengthen cognitive and emotional connections with nature and foster pro-environmental behaviour.

Mindfulness or spiritual nature seekers (Dancer)

Who they are: Individuals who seek calm, awareness, and connection with the natural world through meditation, mindfulness, or personal reflection.

How They Benefit Directly: The installation creates a quiet, immersive environment where they can feel the rhythms of plants in a direct and physical way. This experience may offer a sense of presence, helping them connect more deeply with the natural world.

Artists and Musicians (Creative Practitioners)

Who they are: Individuals working across sound, performance, installation, or visual art who are exploring ecological themes or co-creative practices with nature.

How They Benefit Directly: The installation transforms plant bioelectrical signals into sound and visuals, offering a unique medium for exploring nonhuman collaboration. Artists may find inspiration in plant rhythms, deepen their sensory awareness, and develop transdisciplinary projects grounded in ecological responsiveness.

Policymakers and Sustainability-Focused Institutions

Who they are: Local and international bodies working to advance biodiversity policy, particularly those aligned with the UN Sustainable Development Goals (SDG 15: Life on Land).

How They Benefit Directly: By strengthening cultural visibility and emotional engagement with plant life, the installation can help build public support for ecological policy, justify conservation funding, and reinforce biodiversity restoration initiatives.

Students (Especially in Urban, Interdisciplinary, or Environmental Education)

Who they are: Young learners and students engaged in disciplines such as ecology, art, philosophy, or sustainability, especially in urban contexts with limited access to nature.

How They Benefit Directly: Through immersive interaction with plants, students can develop ecological awareness, anticipatory thinking, and a deeper respect for plant agency. This experience supports creative development, interdisciplinary thinking, and values aligned with sustainability.

Environmental Organisations and Plant Advocacy Networks

Who they are: Conservation organisations, botanical institutions, and advocacy groups focused on biodiversity, ecological education, and public engagement with plant life.

How They Benefit Directly: The installation helps them communicate plant vitality in an accessible and emotionally engaging way. It can enhance outreach programs, exhibitions, and campaigns by making ecological narratives tangible, especially for audiences unfamiliar with plant agency.