

A1. Symbiotic Resonances

Mapping the invisible dialogue between species

Concept

Symbiotic Resonances translates the invisible life of the garden into light and movement. Two circular screens emerge from rough stones, revealing abstract forms generated from real-time data collected by sensors placed on nearby trees. The installation acts as a “sensitive map,” giving voice to the vegetal world and exploring how technology can mediate empathy between species.

Experience

Visitors are invited to pause in front of the glowing stones and listen through sight. Vibrations, colors, and shifting geometries respond to the trees’ subtle signals — humidity, temperature, bioelectrical activity. A raw wooden log offers a place to sit, transforming contemplation into an act of communication. The encounter unfolds slowly, like decoding an unknown alphabet made of light.

Intention

The project seeks to reveal the hidden dialogue between human and plant intelligence. By visualizing the silent language of the living environment, **Symbiotic Resonances** invites awareness of our shared sensitivity — a call to rethink perception not as domination, but as resonance and coexistence.

Diagram of flows — translation of trees’ bioelectrical activity into luminous rhythms.



Site plan — a microcosm of sensitive relations between natural and technological elements.

Power cable through the stone — can also transmit data if needed.



LED Screen with an internal PC receiving a wifi signal from the sensors

Ø 80 cm



Tree sensor
 ↓
 Data signal
 ↓
 LED screen
 ↓
 Abstract Visual
 ↓
 Human perception

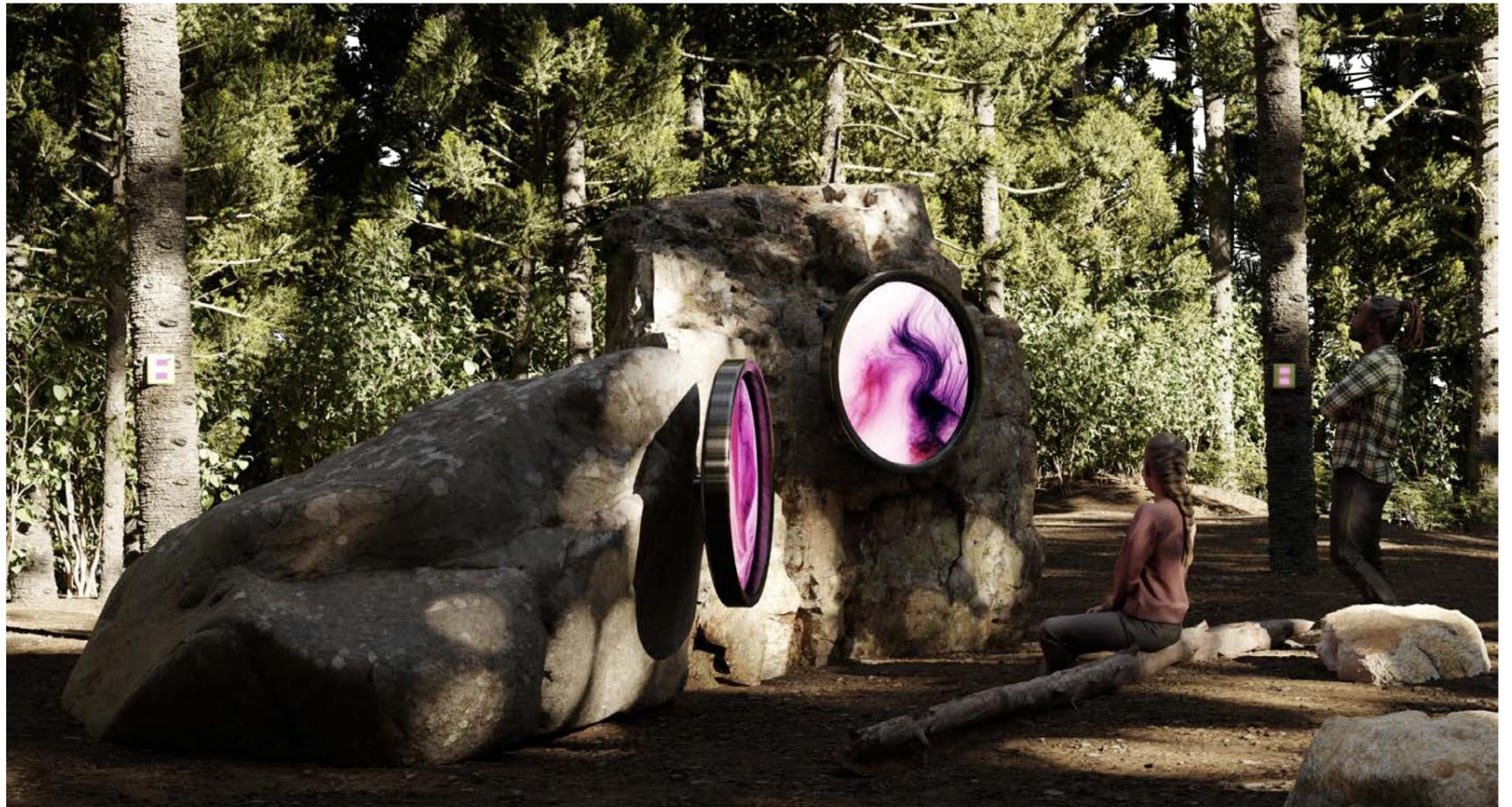
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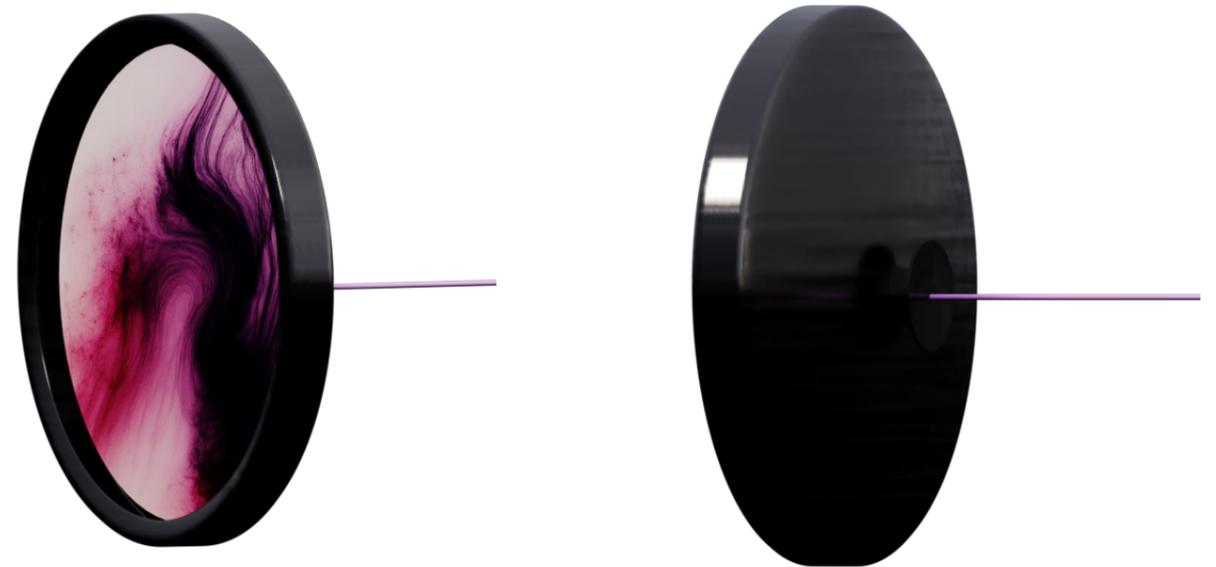
Sensor alimentato con l'energia solare



General view — the stones radiate light, inviting a silent encounter with the living landscape



Immersive perspective — Symbiotic Resonances as a sensitive map between light, matter, and the breath of the landscape



Sensory experience — environmental data become a living vegetal script in continuous transformation