

# Technical Rider - Foresta-Inclusive

## Description:

**Foresta-Inclusive** is a networked (Internet) outdoor art installation, which consist of sculptural sensor pods that link the ecosystem of a forest to a gallery installation. The sculptural sensor pods get installed in a forest unobtrusively onto the trunk of (a) tree(s). These pods are designed to look at home in the forest and to resemble natural lifeforms that live symbiotically with trees. they are WIFI enabled and sense phenomenon such as: soil temperature, soil humidity, particulate matter in the air (.1  $\mu\text{m}$  – 10  $\mu\text{m}$ ), light level, air temperature/humidity, wind, volatile organic compounds (VOC), CO<sub>2</sub>, and rain. The pods send live data to an Internet of Things platform (IoT), which can be harvested and materialized in any location in the world.

For this project I am developing a number of artworks that materialize this data both independently and with collaborators. The goal of the **Foresta-Inclusive** infrastructure is to translate the different types of natural, physical, and chemical phenomena experienced (wind, atmospheric pressure), produced (VOC), and consumed (CO<sub>2</sub>, Rain, light) by trees, into interactive immersive installations and networked sculptures. The artworks generated by the infrastructure will simultaneously express the complexity and liveliness of the ecosystem of the forest, while at times allowing the public to engage and co-create experience. The works created using forest data are designed to create awareness of the complexity of the natural world and to support the understanding that the natural world is alive, has agency and is worthy of protection for its own sake.

## Installation Needs:

- 1 day installation.
- Internet connection in the forest.
- Secure location.

## Packing List:

Item	Quantity	Description	Artist	Exhibition Centre
1	3	Sculptural Sensor Pods		
2	1	Wifi Hub	x	

x

**\*\*\* The live sensors in a local location are optional. I can also set up live sensors in a Canadian location or I can use a recording from past installations.\*\*\***



**Rare Charitable Reserve  
in Cambridge Ontario, CA,  
2022.**



Soil Pod



Air pod



Atmosphere pod

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## Bio:

Jane Tingley is an artist, curator, director of the SLOlab: Sympoietic Living Ontologies Lab and Associate Professor at York University in Canada. Her studio work combines traditional studio practice with new media tools - and spans responsive/interactive installation, performative robotics, and telematically connected distributed sculptures/installations. Her works is interdisciplinary in nature and explores the creation of spaces and experiences that push the boundaries between science and magic, interactivity and playfulness, and offer an experience to the viewer that is accessible both intellectually and technologically. Using distributed technologies, her current work investigates the hidden complexity found in the natural world and explores the deep interconnections between the human and non-human relationships. As a curator her interests lie at the intersection art, science, and technology with a special interest in experiential works and embodiment. Recent exhibitions include Hedonistika (2014) at the Musée d'art contemporain (Mtl, CA), INTERACTION (2016) and Agents for Change (2020) at the MUSEUM in Kitchener (ON, CA), and more-than-human at Onsite Gallery in Toronto (CA). As an artist she has participated in exhibitions and festivals in the Americas, the Middle East, Asia, and Europe - including translife - International Triennial of Media Art at the National Art Museum of China, Beijing, Gallerie Le Deco in Tokyo (JP), Elektra Festival in Montréal(CA) and the Künstlerhause in Vienna (AT). She received the Kenneth Finkelstein Prize in Sculpture in Manitoba, the first prize in the iINTERFACES – Interactive Art Competition in Porto, Portugal, and has received support from a number of funding agencies, including the arts councils of Canada, Manitoba, Ontario, and Québec, the Canada Council for the arts, and the Social Sciences and Humanities Research Council of Canada.

## Credits:

Faadhi Fauzi: Three.js

Ilze (Kavi) Briede: 3D modelling and Touch Designer

Dr Derek Robinson, Modelling and Spatial Analysis Lab, University of Waterloo, ON. CA: Drone and Lidar scanning.

Rare Charitable Reserve, Cambridge, ON. CA.

Marius Kintel: Firmware support.

An Vu: Pod hardware duplication

Grace Grothaus: Photogrammetry

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