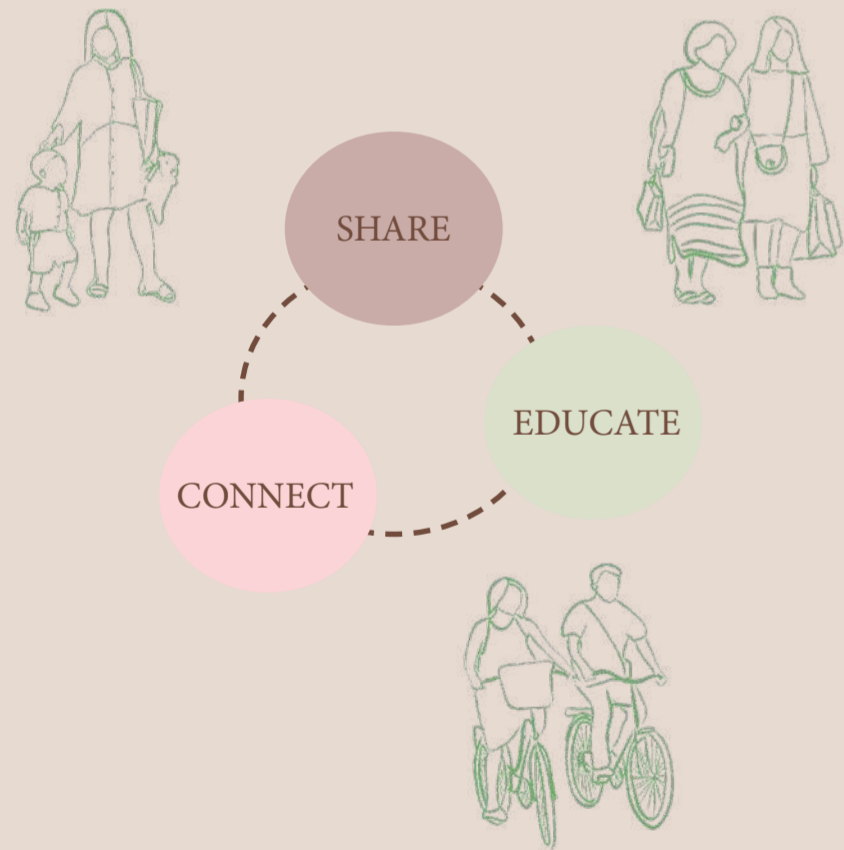


Eco Sphere

The lack of natural elements in everyday life has been clinically proven to affect a person's emotional and physical state. However, life in big cities does not always have enough greenery to meet basic human needs. Ecosphere is an indoor botanical garden featuring exhibition domes that educate about climate change due to environmental issues and the benefits of plants and fungi. The objective is to enhance people's bond with nature and encourage them to choose a sustainable lifestyle while providing educational activities such as botanical workshops.



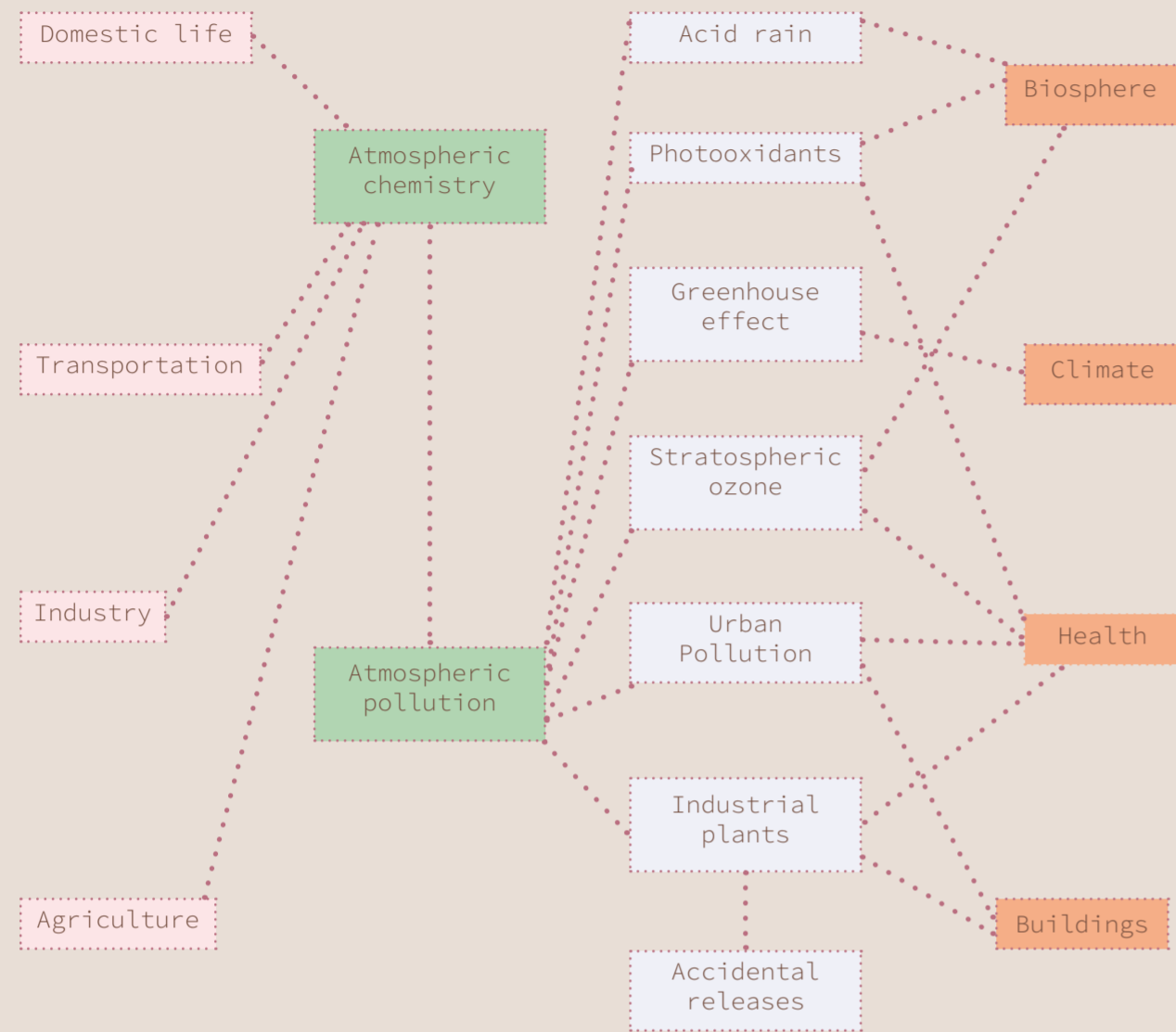
The current location is conveniently accessible to individuals of all age groups in Manchester, including children, parents, and grandparents. Throughout history, people have naturally formed tribes and communities to ensure their survival. By coming together, we can combine our knowledge and wisdom, leading to an improved quality of life and saving our planet.



Existing building, 110 Oldham Road, Manchester M4 6AD

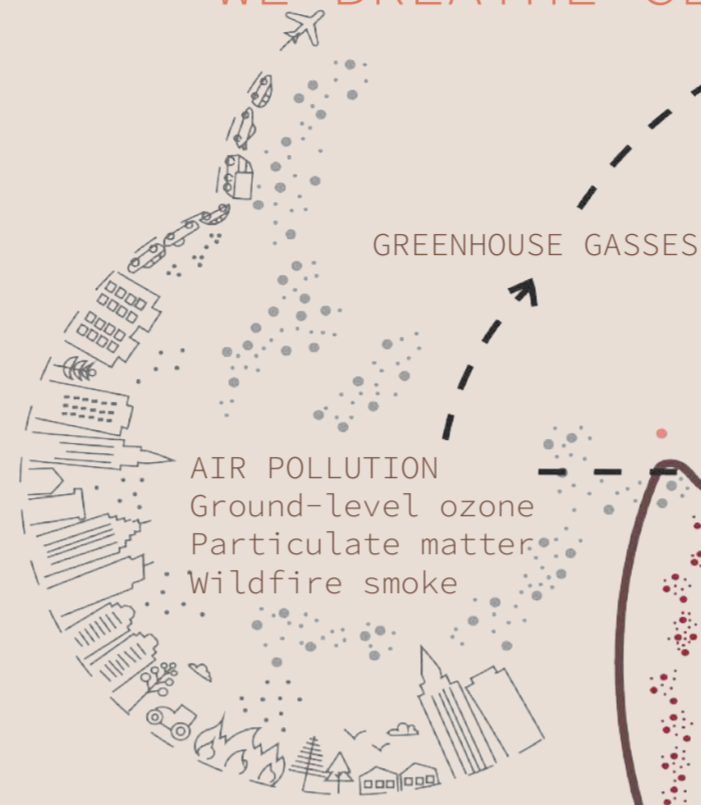


CONCERN

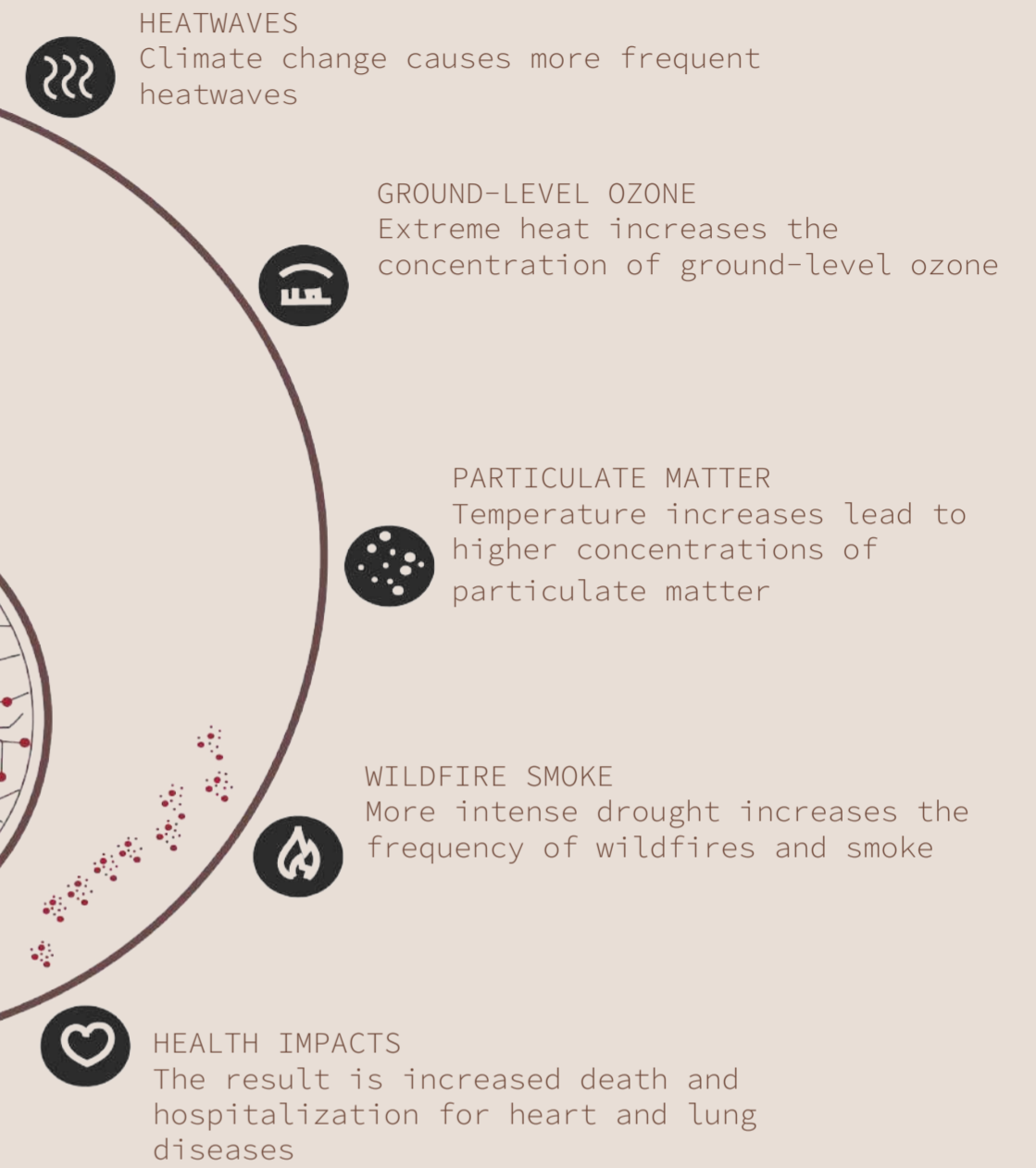


WE BREATHE CLIMATE CHANGE

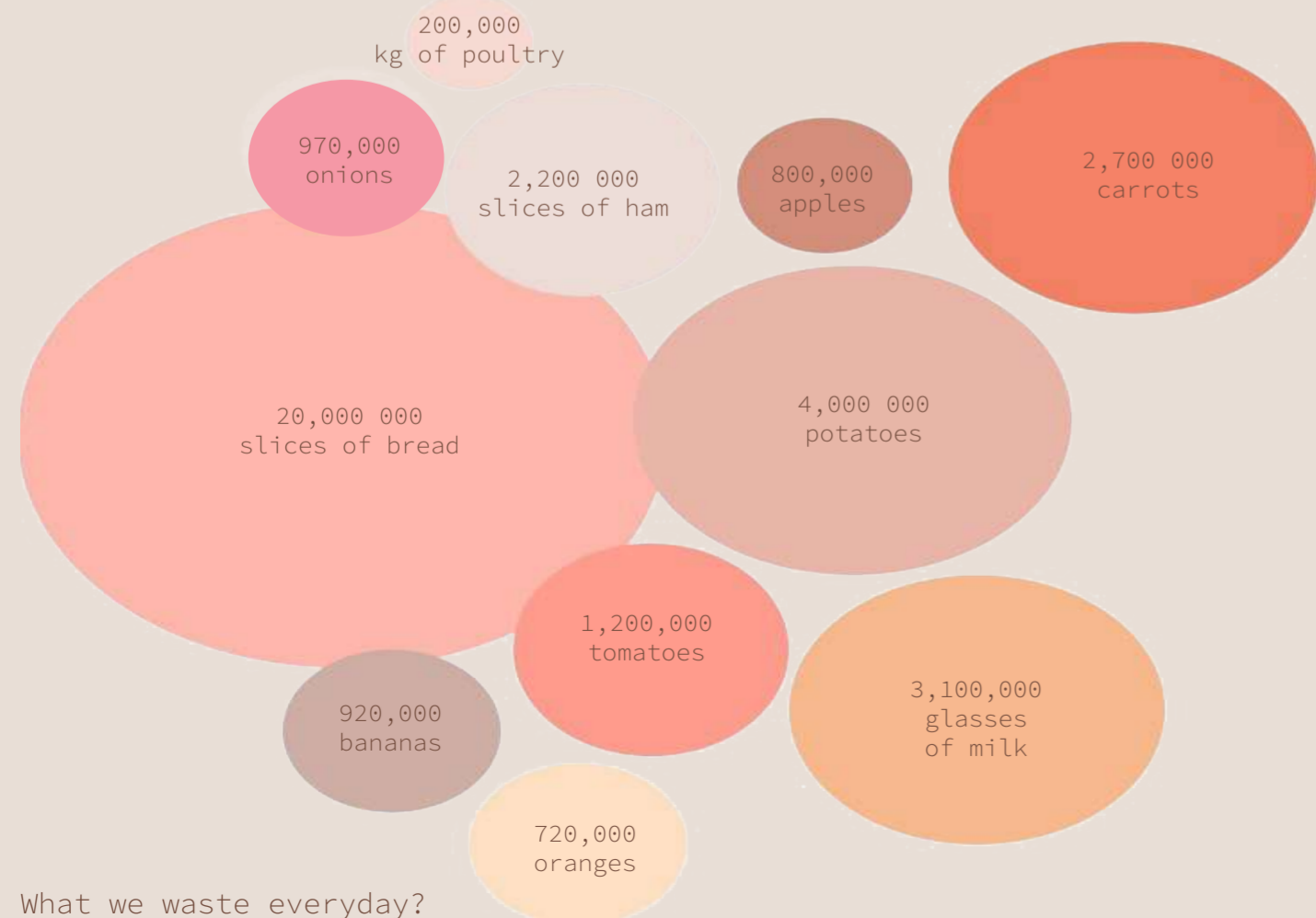
AIR POLLUTION



Air pollution consists of chemicals or particles in the air that can harm the health of humans, animals, and plants. It also damages buildings. Pollutants in the air take many forms. They can be gases, solid particles, or liquid droplets.



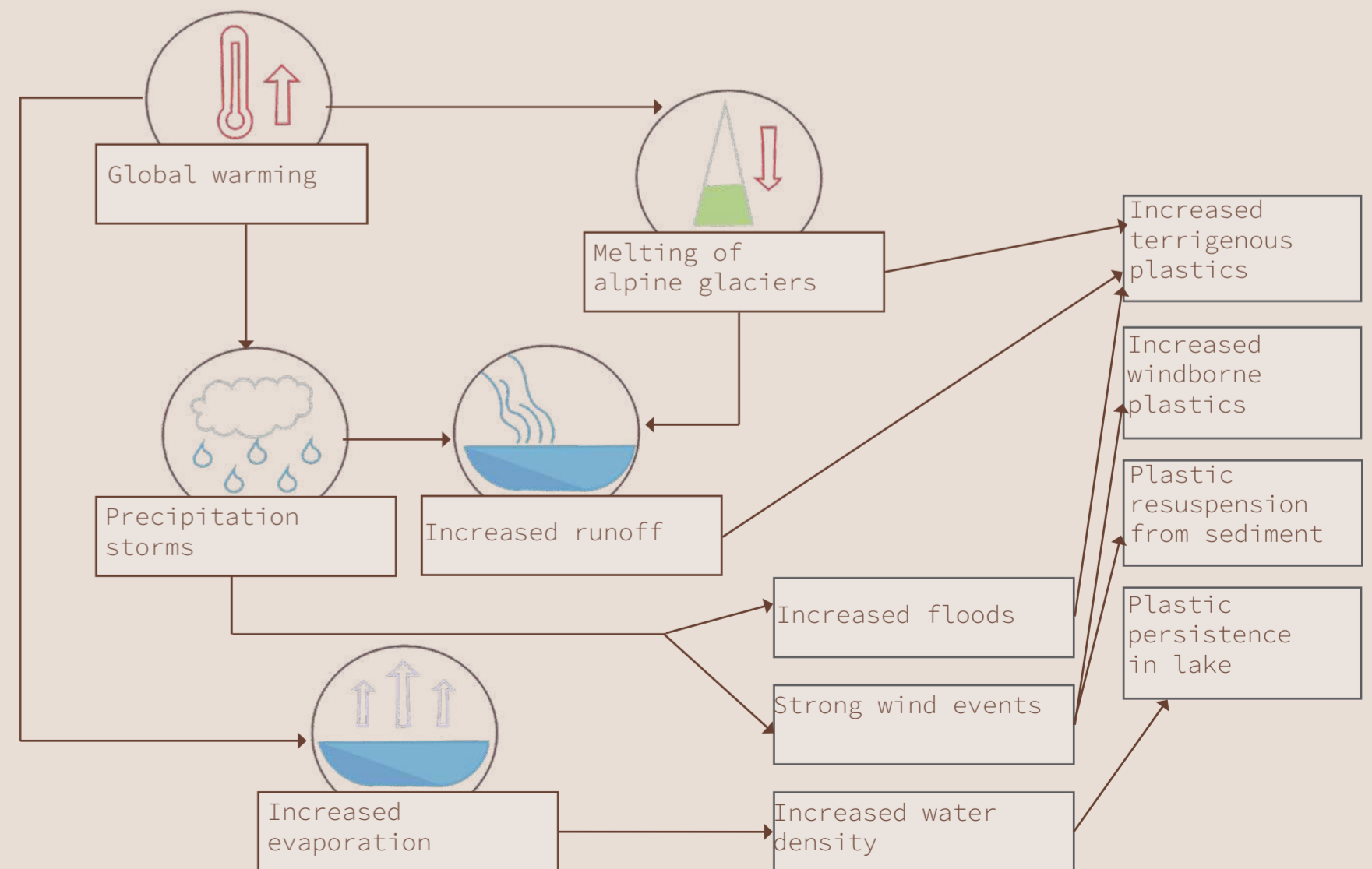
A land mass larger than China is used every year to grow food that is never eaten. The land is being deforested, the soil has been degraded, species have been driven to extinction, and 1 quarter of humanity's fresh water is used to grow food that is never eaten. The majority of this food ends up in a landfill. Food waste emits methane which is more deadly than CO2, so it can be said that food waste is one of the biggest problems humanity is facing today.



FOOD WASTE



PLASTIC POLLUTION

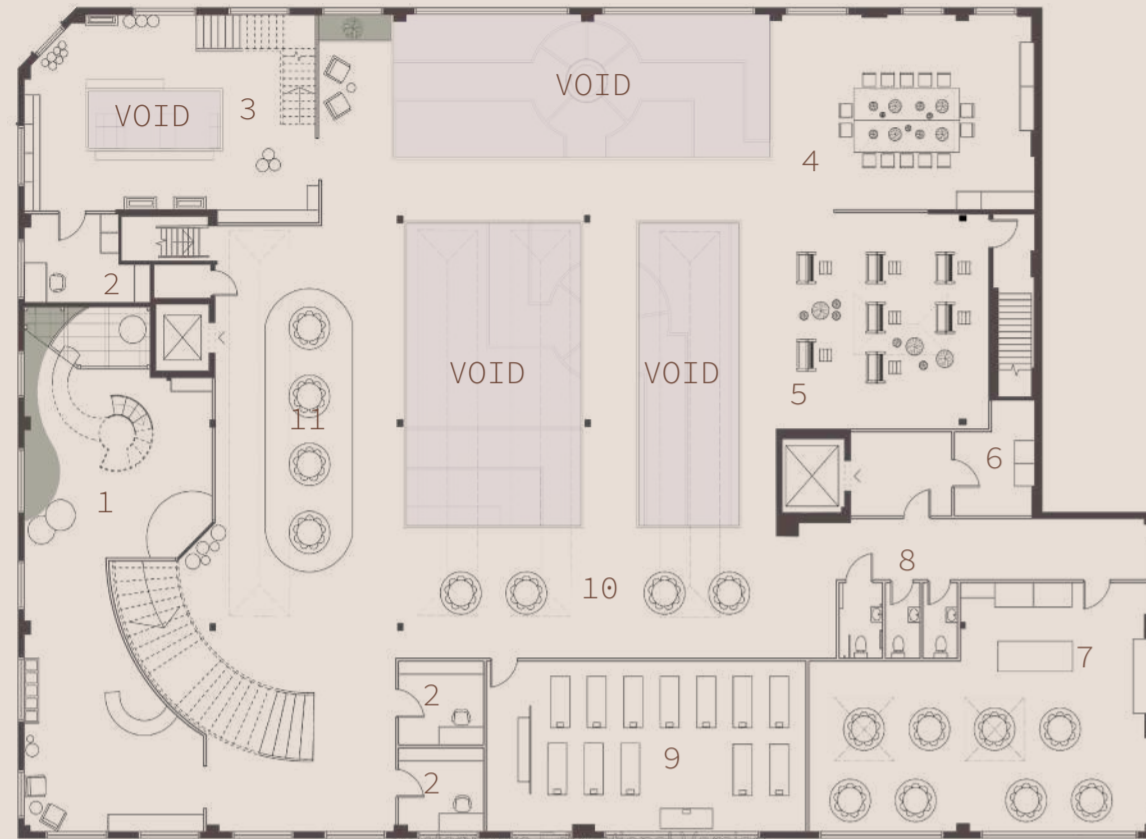




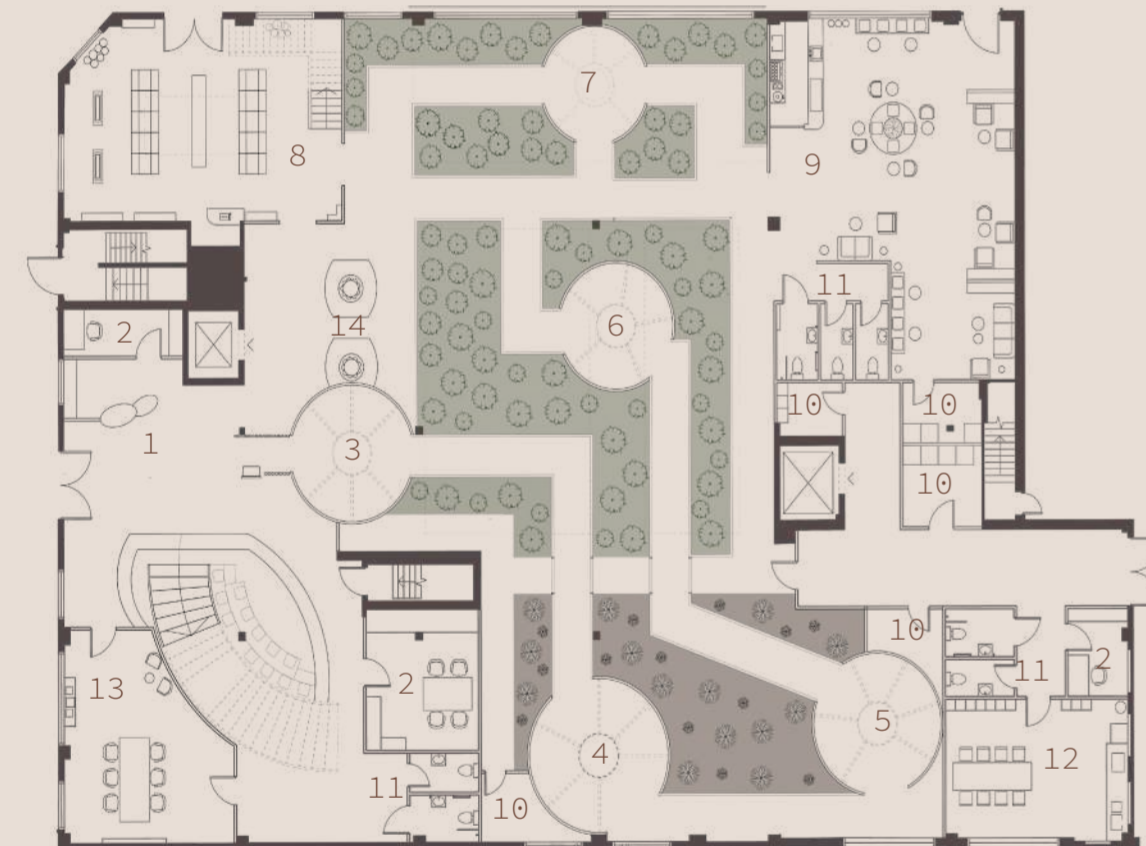
SOLUTION

HOW CAN WE PROTECT SOMETHING WE DON'T FULLY UNDERSTAND

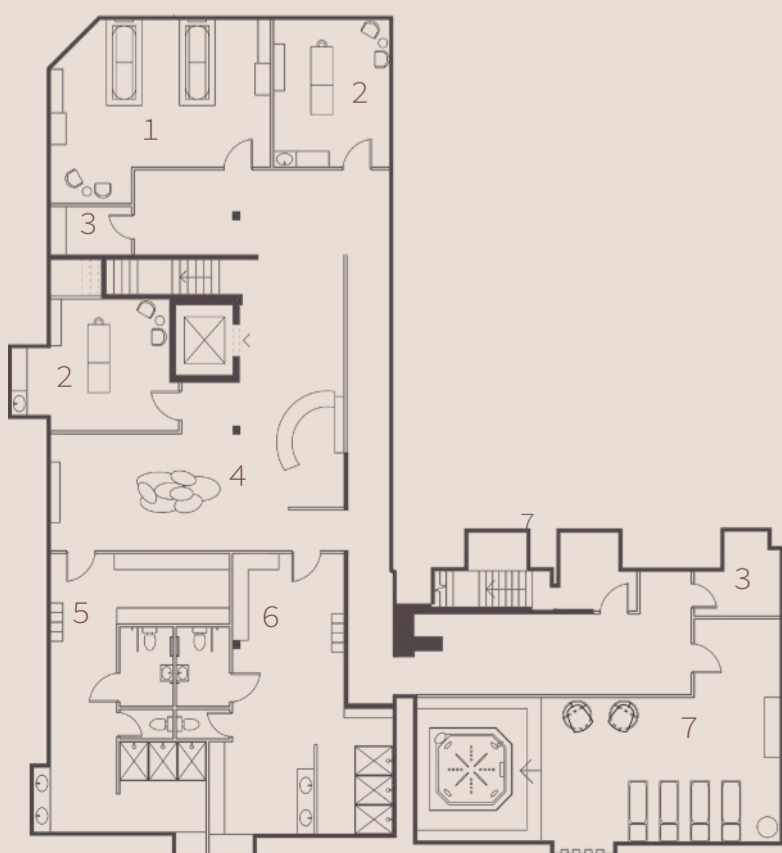
EcoSphere offers a vital touch of greenery to botanical gardens while fostering a sense of community by inviting individuals to participate in group activities. These activities encompass engaging workshops on the advantages of plants and fungi and an art studio for creative expression. In today's society, where reliance on pharmacies and food stores has become prevalent, acquiring knowledge about natural medicine, cultivating food, and reestablishing a connection with nature can yield immense benefits. Doing so encourages the younger generation to form meaningful bonds with the natural world.



- KEY
First floor, not to scale
1. Kids playground
 2. Office room
 3. Botanical art store
 4. Botanical workshops
 5. Art studio
 6. Storage room
 7. Vertical garden laboratory
 8. WC
 9. Yoga studio
 10. Floral vertical towers
 11. Floral vertical towers with seating area



- KEY
Ground floor, not to scale
1. Main entrance, reception
 2. Office room
 3. Exhibition dome 1/5 Ancient Civilization
 4. Exhibition dome 2/5 Modern Agriculture
 5. Exhibition dome 3/5 Plastic Pollution
 6. Exhibition dome 4/5 Air Pollution
 7. Exhibition dome 5/5 Positive Change
 8. Organic food shop
 9. Botanical cafe
 10. Storage/maintenance room
 11. WC
 12. Staff room
 13. Meeting room
 14. Floral seating area



- KEY
Basement, not to scale
1. Hyperbaric oxygen therapy room
 2. Massage therapy room
 3. Storage room
 4. Reception, waiting area
 5. Male changing room
 6. Female changing room
 7. Relaxation room



- Edward O Wilson biologist proffers that we have an innate or subconscious need to bond with other living systems, suggesting that we are not at our best in isolation from nature.
- 'Access to appropriate forms of managed nature was presumed to make people healthy, improve morals, increase intelligence, ensure their fitness, and increase social responsibility.' (Murnaghan, Shillingtos, 2016)
- 'Nature-deficit disorder describes human costs of alienation from nature, among them: diminished use of the senses, attention difficulties, and higher rates of physical and emotional illness.' (Louv, 2005, 36)

Organic food shop



Botanical cafe



Eco Sphere & temporarily flower shop
The Bloom Room

Inspired by the botanical garden provided at Ecosphere, a temporary flower shop was designed to spread the message even further. People can purchase plants that purify the air in the living environment. Moreover, plants, as living organisms, leave a positive emotional impact. By creating a strong bond with nature and all the natural elements, people would be more focused on nourishing and saving the planet by choosing sustainable lifestyle choices.



'Studies suggest that nature may be useful as a therapy for Attention Deficit Hyperactivity Disorder (ADHD), used with or, when appropriate, even replacing medications or behavioural therapies. Some researchers now recommend that parents and educators make available more nature experiences - especially open places - to children with ADHD, and therapy support their attentional functioning and minimize their symptoms.' (Louv, 2005, 100)



The Bloom Room, section not to scale



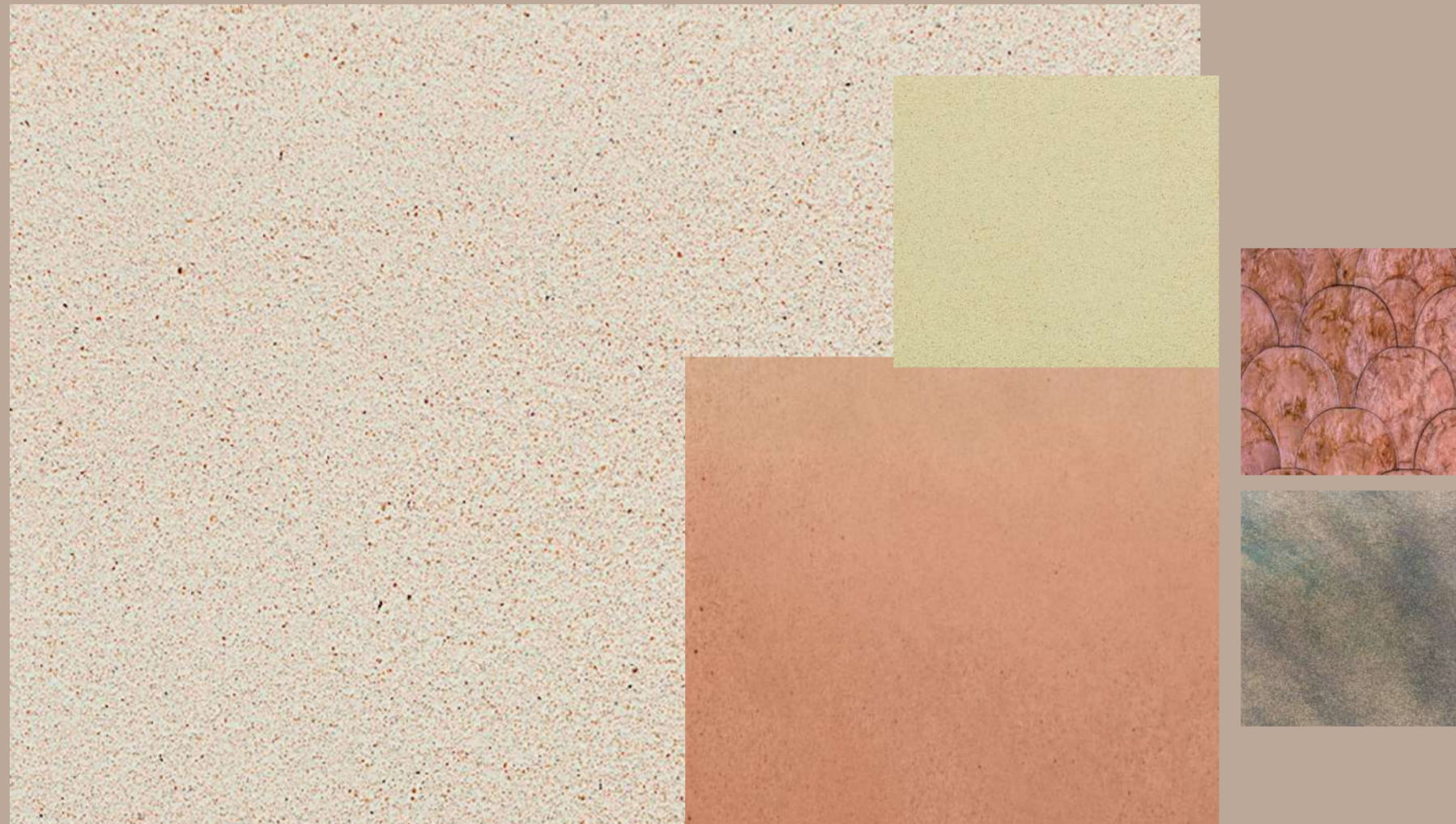
EcoSphere, section not to scale





SENSES

The EcoSphere project incorporates sustainable materials primarily derived from natural elements designed to heighten sensory perceptions such as touch and smell. The objective was to meticulously recreate an outdoor ambiance by employing a multitude of natural elements. Natural surfaces create a good atmosphere and support people's health. It helps to reduce stress, lighten the mood, and increase concentration, while aiming to showcase the positive effects of nature.



NATURAL CLAY PLASTERS

Clayworks Clay Plasters are unique blends of unfired clays mixed with minerals and pigments to provide healthy, breathable finishes for internal walls and ceilings. Manufactured in Cornwall from abundant raw materials, they are amongst the most low carbon and healthy wall finishes available.

RECYCLED TIMBER

When we're surrounded by timber, we're less likely to become stressed. A report by University of British Columbia and FPInnovations, Wood and Human Health, established that 'visual wood surfaces in a room lowered sympathetic nervous system (SNS) activation.

UPCYCLED LEAVES AND MOSS SHEETS

The company monitored the CO2 emissions and drew Corporate Carbon Footprint (CCF). This includes heating, energy consumption, commuting, business trips and office supplies. These natural materials can be felt and smelled.

MOLLUSC CAPIZ SHELL TILES

Capiz is a real natural product; each shell is unique and differs in colour and structure. This material also enhances the senses, such as touch and smell.

CORK SHEETS

100 % natural, reusable and recyclable, cork is, whether from the environmental, social or economic perspectives, one of the world's most versatile materials.

RECYCLED COFFEE WALL PANELS

Natural waste materials from coffee beans create an earthy atmosphere, enhancing the smell sense.

