

### Macro Theme





### **Pollinators**





Animals and insects



Wind

### Who are?



Auto-pollination



Technological pollination



Human pollination

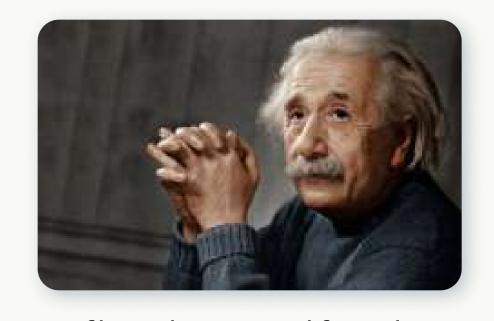
### **Impacts**



The bee extinction threat globally socially and economically. 4 out of 5 corps and wild flowers in the EU **depends on insects** for pollination<sup>1</sup>



The **major causes** are: climate change, invasive alien species, Intensive agricultural menagments and pesticides.<sup>2</sup>



"If bees disappeared from the earth, there would only be four years of life left" Albert Einstein<sup>3</sup>



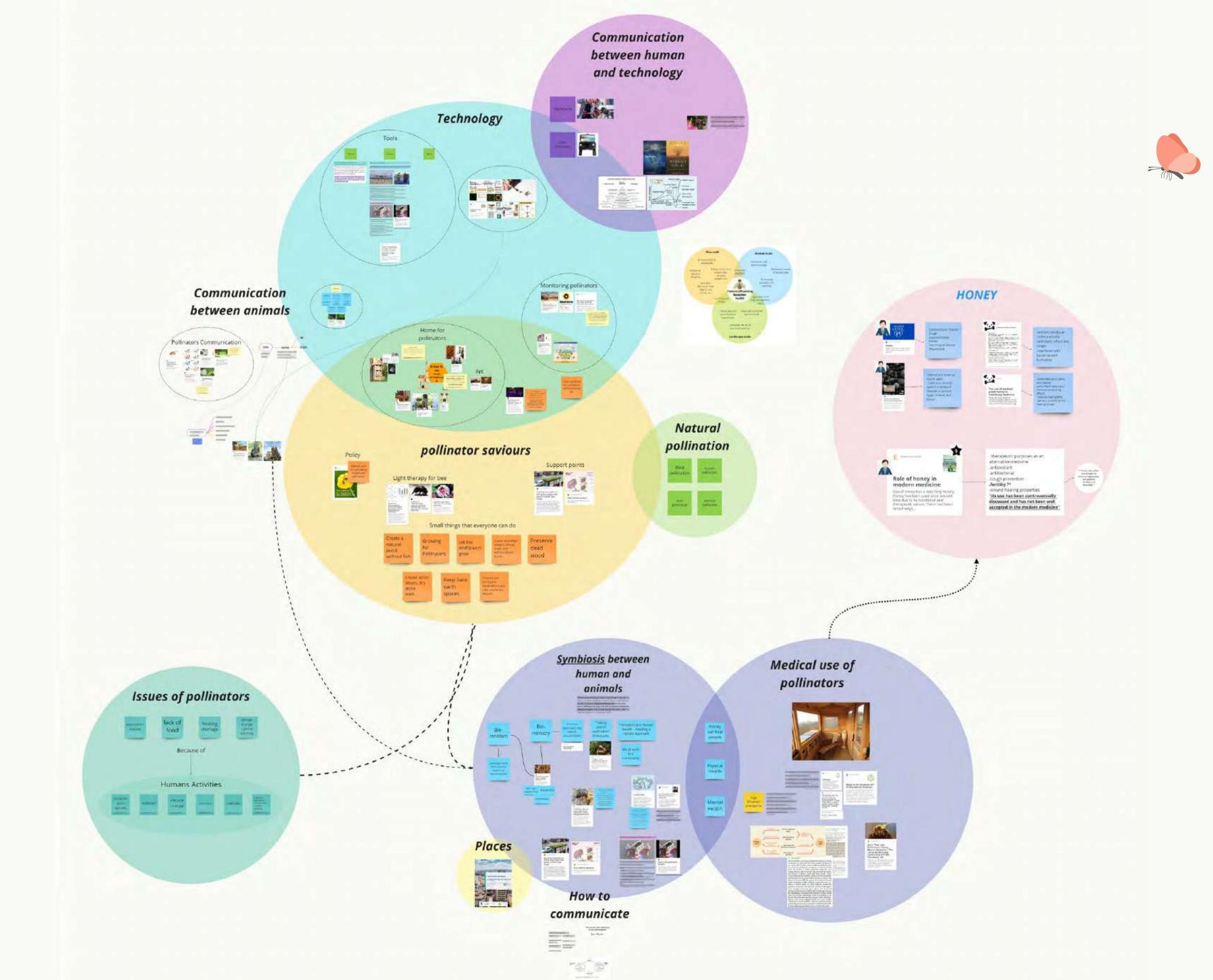
### Phase 1: Horizon Scanning

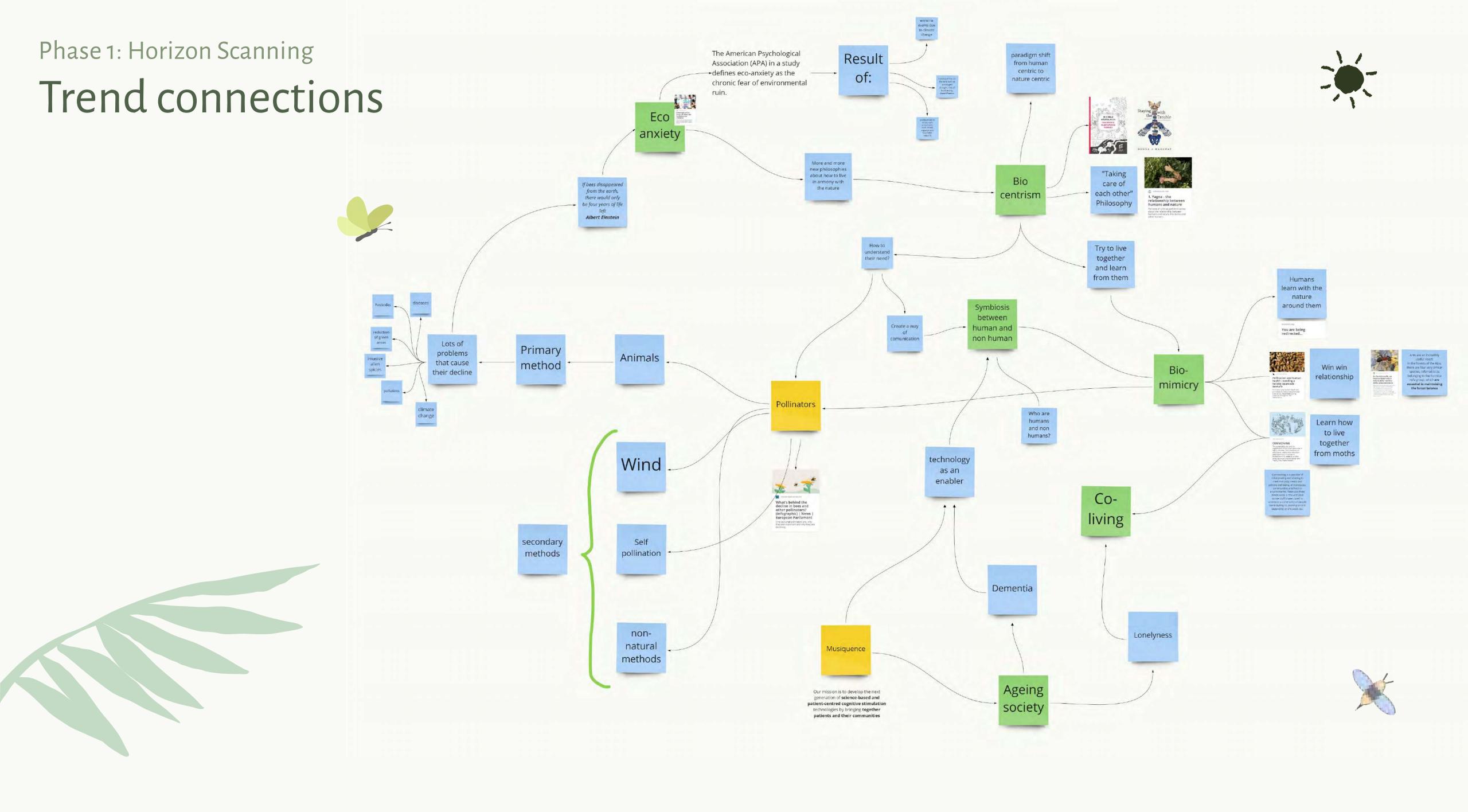
### Trend Research











### Phase 1: Horizon Scanning

### Trend connections





**Eco anxiety** 

The American Psychological Association (APA) in a study defines eco-anxiety as the **chronic fear of** environmental ruin.4



Bio centrism

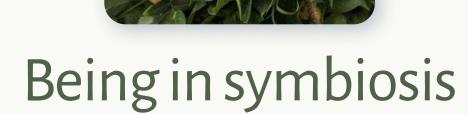
Try to **live together** and learn from them



**Bio-mimicry** 



How we can try to **understand** each other?



The commoning 5



Musiquence

..... Dementia ······· Technology as an

enabler



Ageing society

Inclusive society



Co-living



More and more new

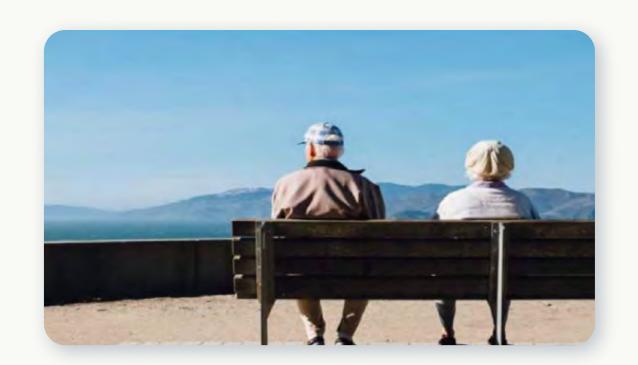
philosophies about how

to live in **harmony** with

the nature

### Trends Research





Ageing society











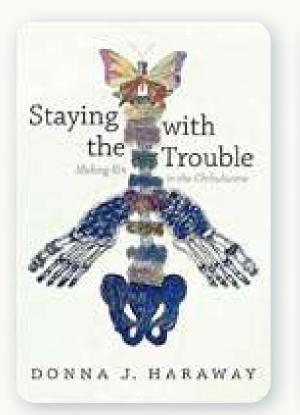


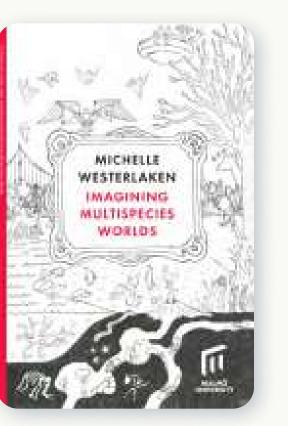


### Selected Theme



Symbiosis between human and animals





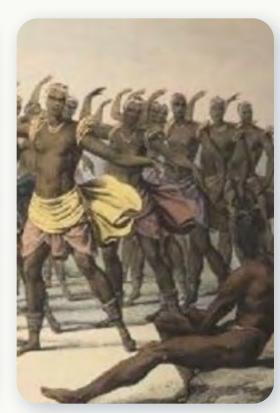
Theoretical research





Win-Win relationship

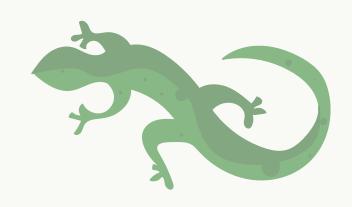


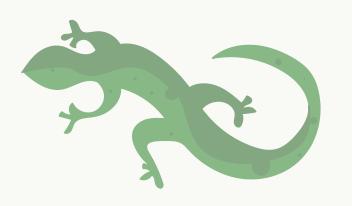




Philosophical vision



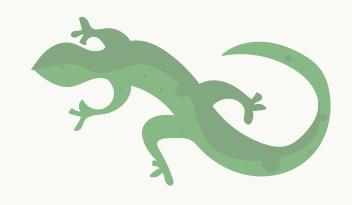


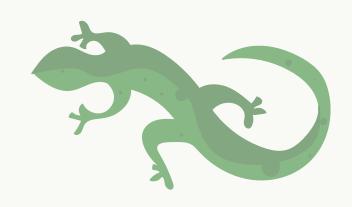


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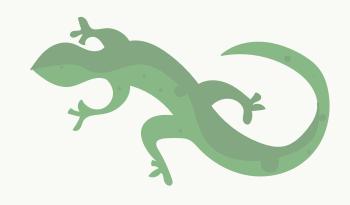


WHAT













In 2032 we will create a symbiotic experience between humans and non-humans to create a point of convergence

that stimulates dialogue. The needs of different entities will become central to mutual understanding and collaboration in creating a new respectful balance based on the biocentric approach that can facilitate common survival and living.





### Polarities







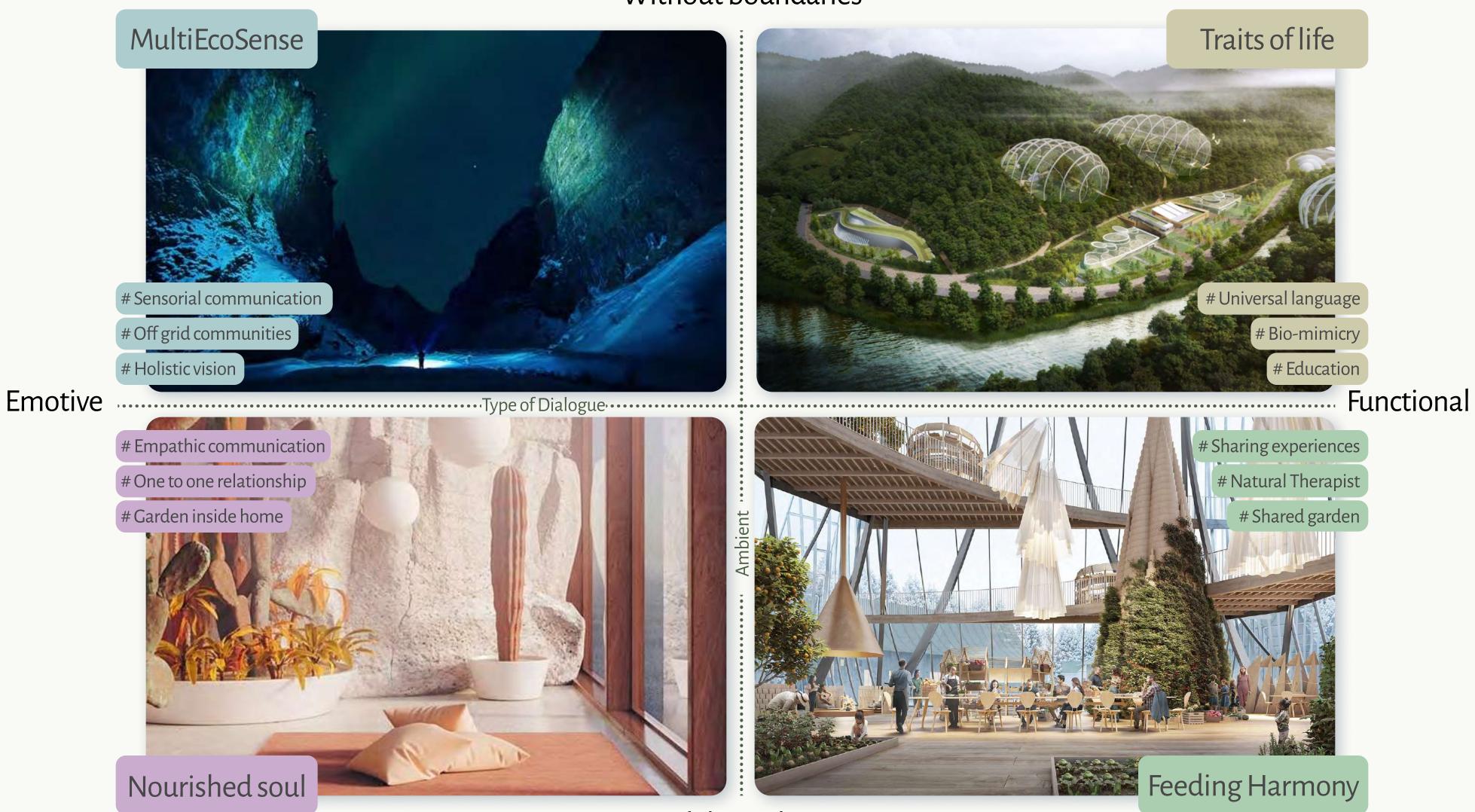
With boundaries Without boundaries



### Scenario Matrix



#### Without boundaries

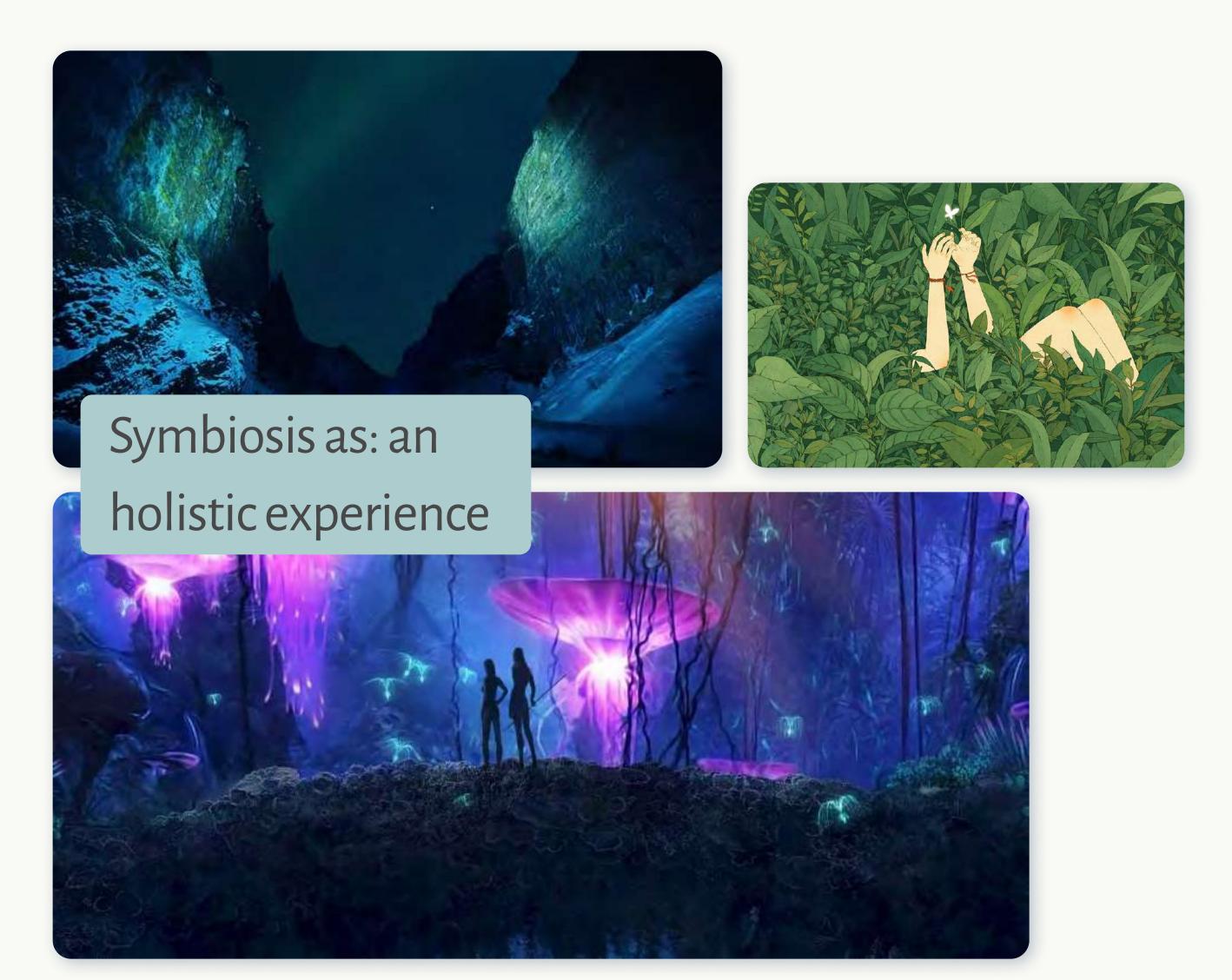


With boundaries



## Emotive / Without boundaries





### MultiEcoSense

Off-grid communities in which different species (humans, animals, plants and technologies) experience an **all-encompassing** sensory and emotional symbiosis

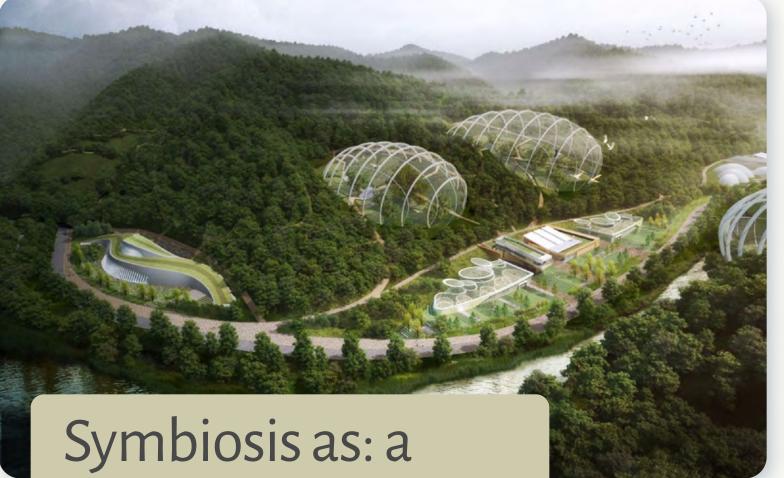
# Sensorial communication

# Off grid communities

# Holistic vision



# Funcional / Without boundaries









### Traits of life

Biomimicry society in which different species use symbiosis to learn from each other and communicate with a single language

# Universal language

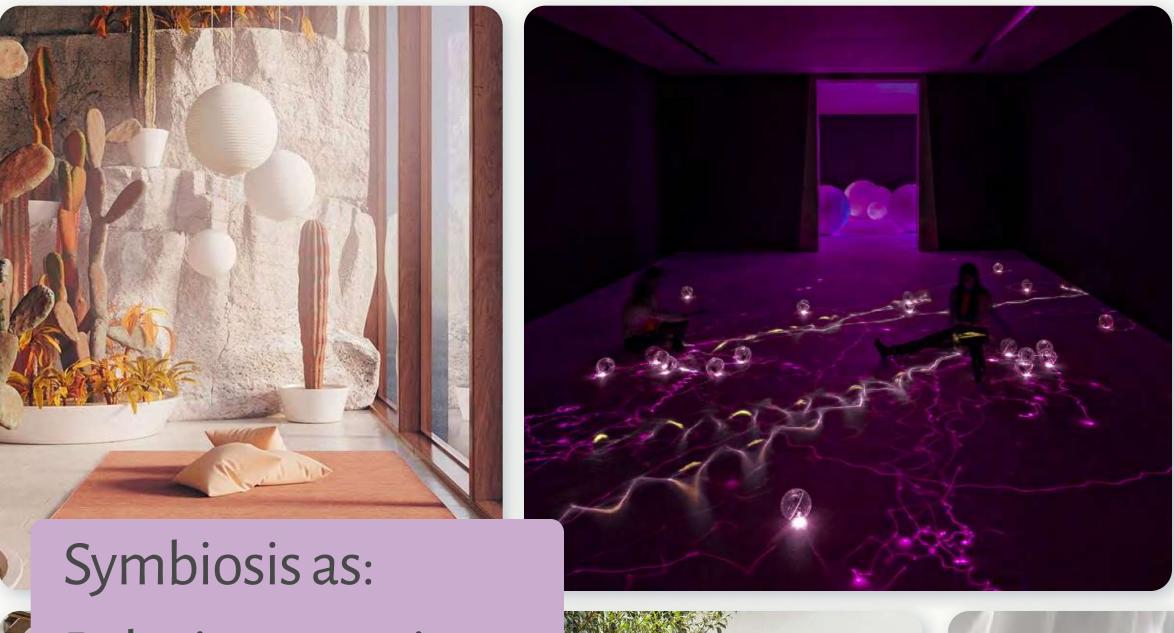
# Bio mimicry

# Education



# 9

# Emotional / With boundaries







### Nourished soul

We are within an intimate environment where the human tends to have an **intimate relationship** with a non-human to the point of becoming part of **one family** with the aim of achieving **mental well-being**.

# Empatic communication

# One to one relationship

# Garden inside home



# Funcional / With boundaries





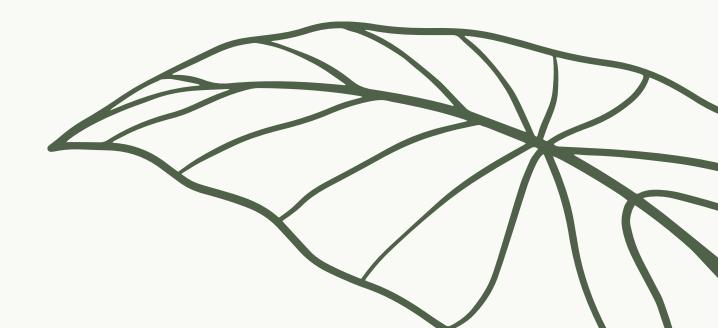
### Feeding Harmony

Collaborative societies in which different species enter into symbiosis with the aim of **producing food** in a **mutually respectful way** in co-living **communal gardens** where different species coexist.

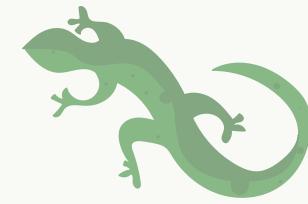
# Sharing experiences

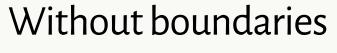
# Natural therapist

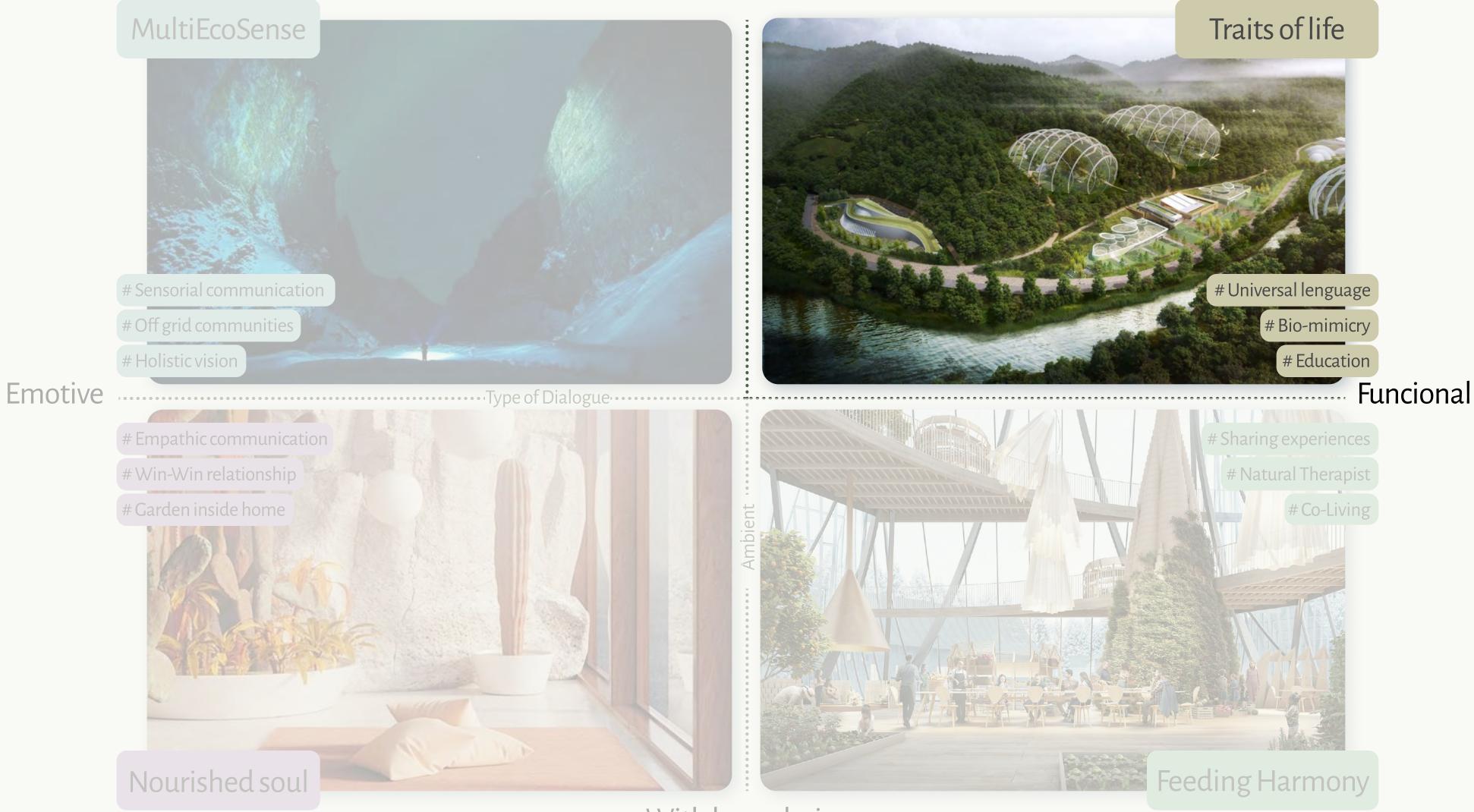
# Shared garden



### Selected Scenario



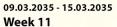




With boundaries

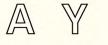














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WEEKLY NEWS FROM THE WORLD OF SCIENCE AND TECHNOLOGY

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Nº157

**NEW METHOD** 

#### A NEW LEVEL **OF THERAPY**

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Read more on Page 2 >>



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09.03.2035 - 15.03.2035

Week 11





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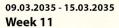
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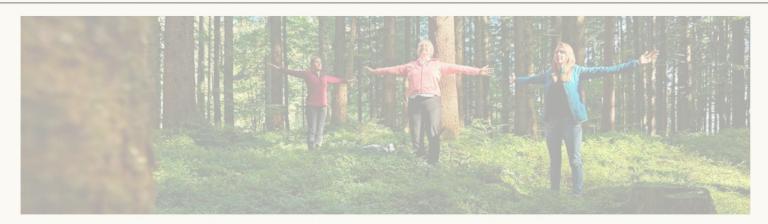
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09.03.2035 - 15.03.2035 Week 11



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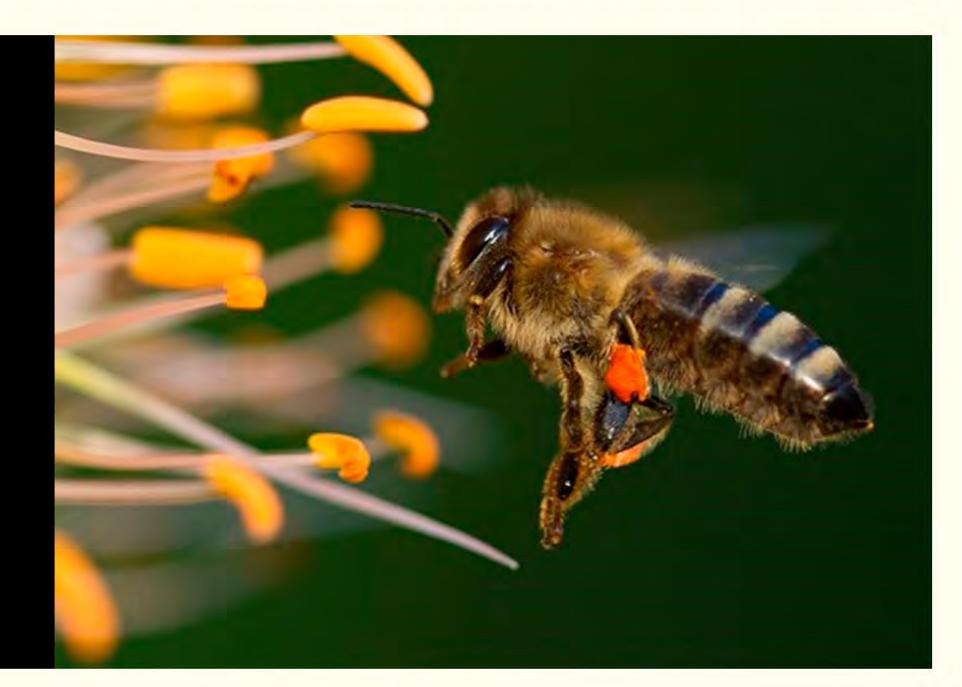
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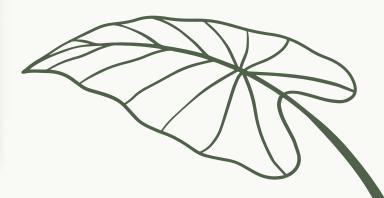
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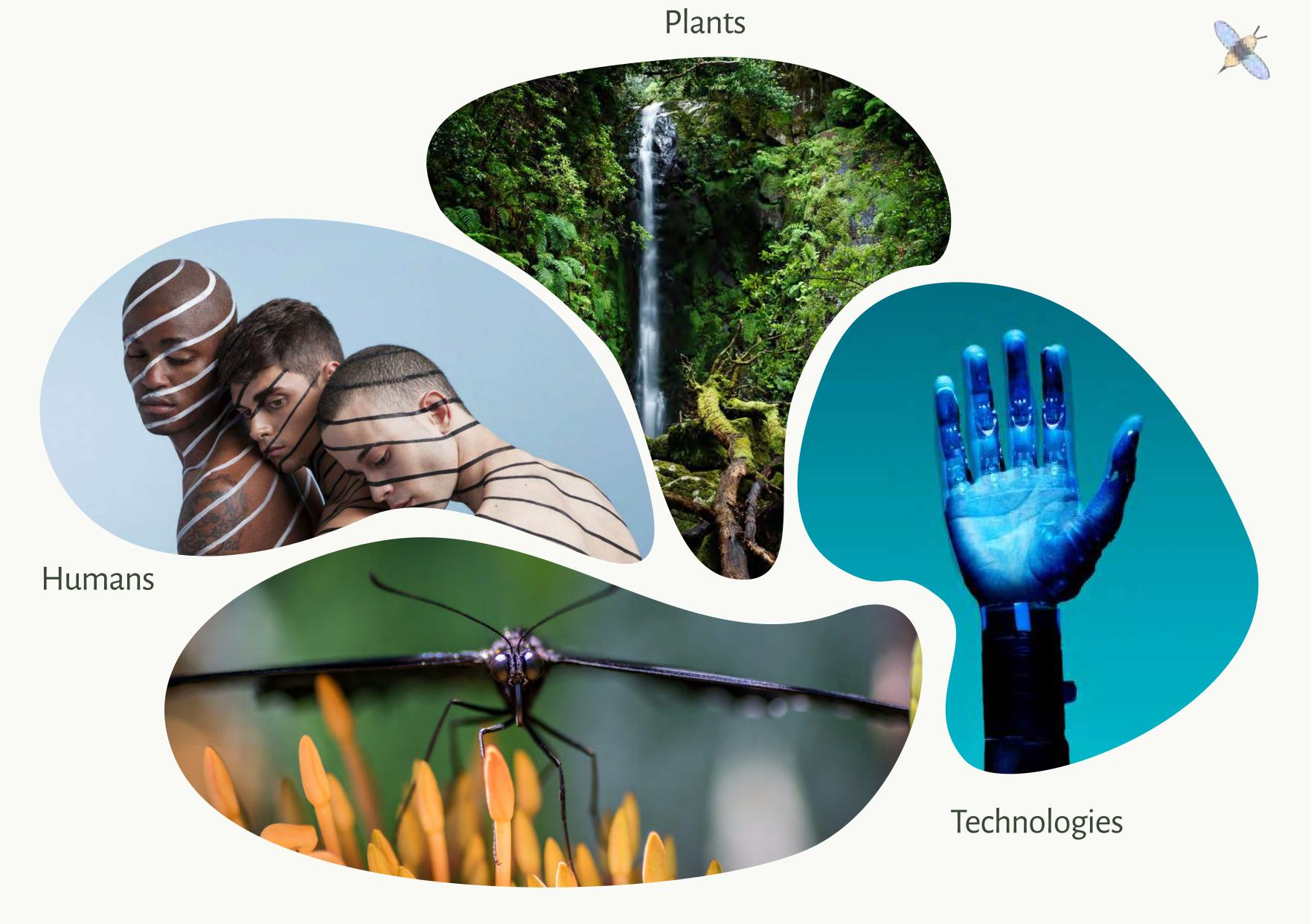






### Sensitive

New participatory symbiosis experience created with the aim of feeling what other species perceive amplifying our senses.





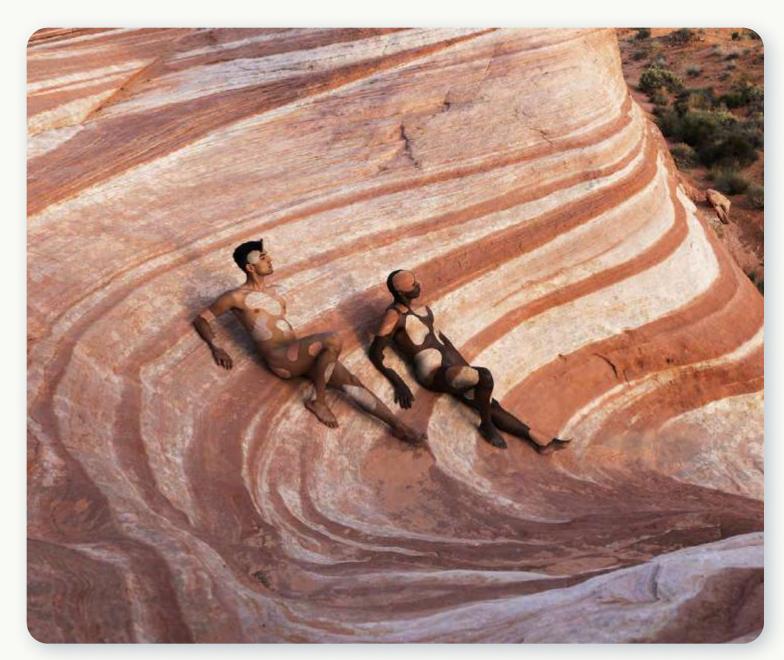
Animals

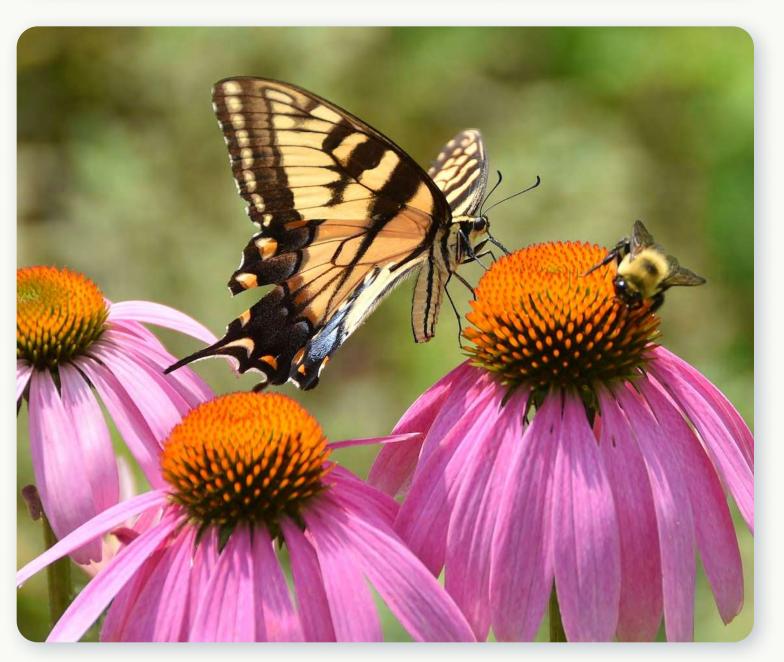
Phase 3: Idea and Prototyping

# Concept



Our concept is based on understanding the experiences of others spicies, good one and bad one, improving the quality of life of all beings with the help of sensors that amplify the senses and using augmented reality.









### Phase 3: Idea and Prototyping

### Functions





### Memories bank

Collecting the memories of each species in a database.



Create new memories

Everyone will have the opportunity to upload new memories to the database



### Reviving memories

Each species will have the opportunity to relive the past experiences of the other species by expanding their senses and feeling them on their skin



### Global trends

Visualise trends in **global developments**to understand the effectiveness of **ongoing changes** or activate new actions
for **global improvement** based on the **collected data**.



Phase 3: Idea and Prototyping
Why

To obtain a deep mutual understanding through the sharing of memories, improve the knowledge of the population with special care for the elderly who keep our traditions alive.









# Involvement of the elderly



Knowledge of the elderly population is considered fundamental in this service in order to value traditions.



# Focus technology: humans and non-humans











Humans

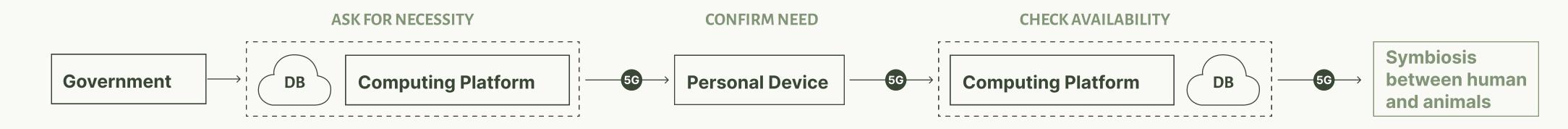
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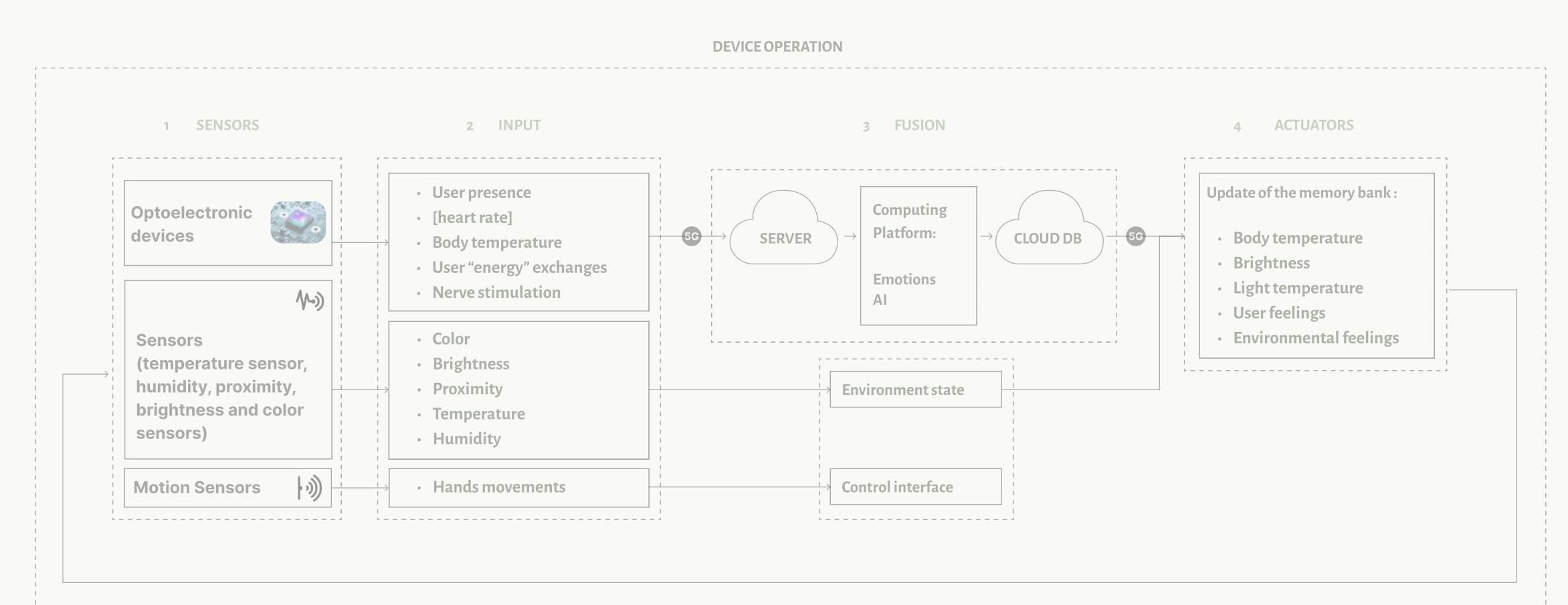
Plants

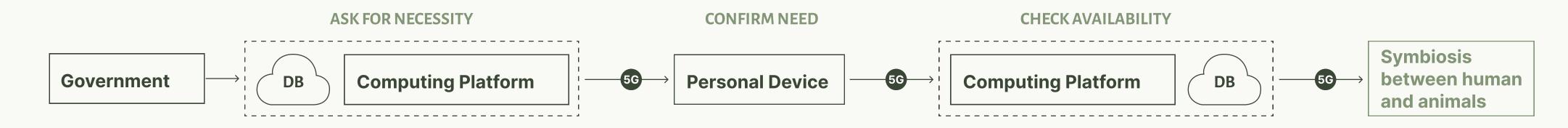
Robots



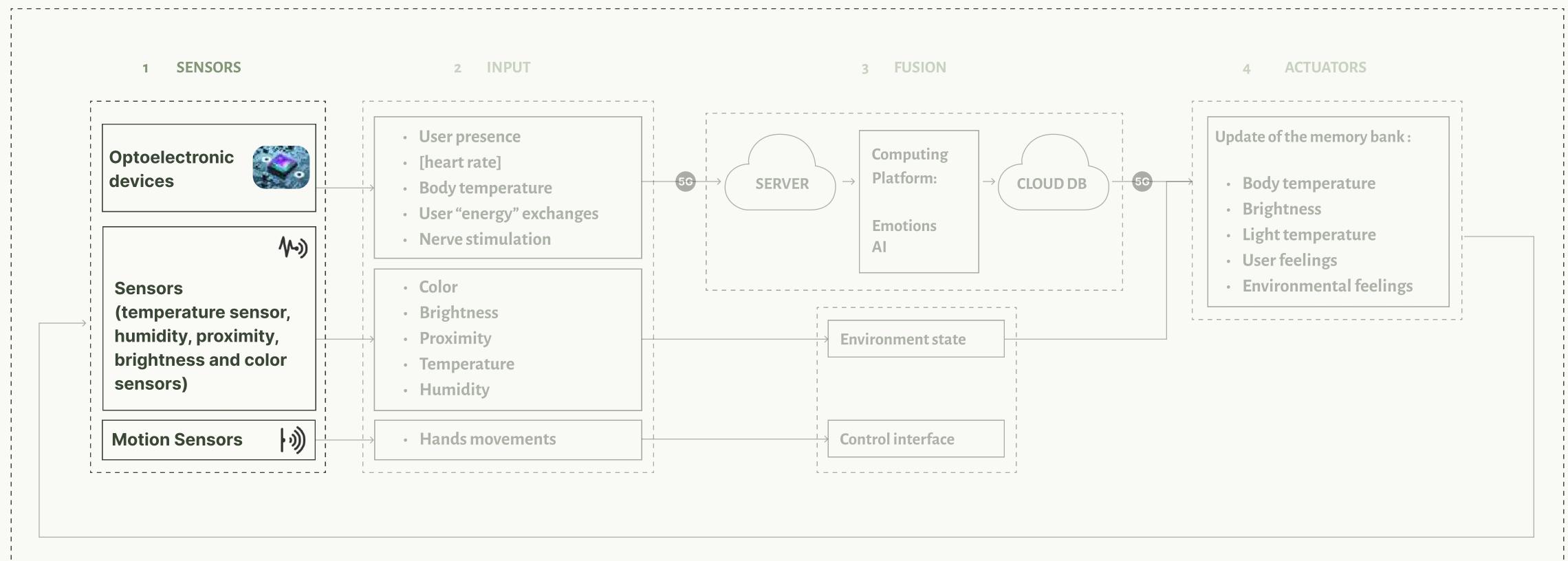
Technology as a medium of shared language and symbiosis creation







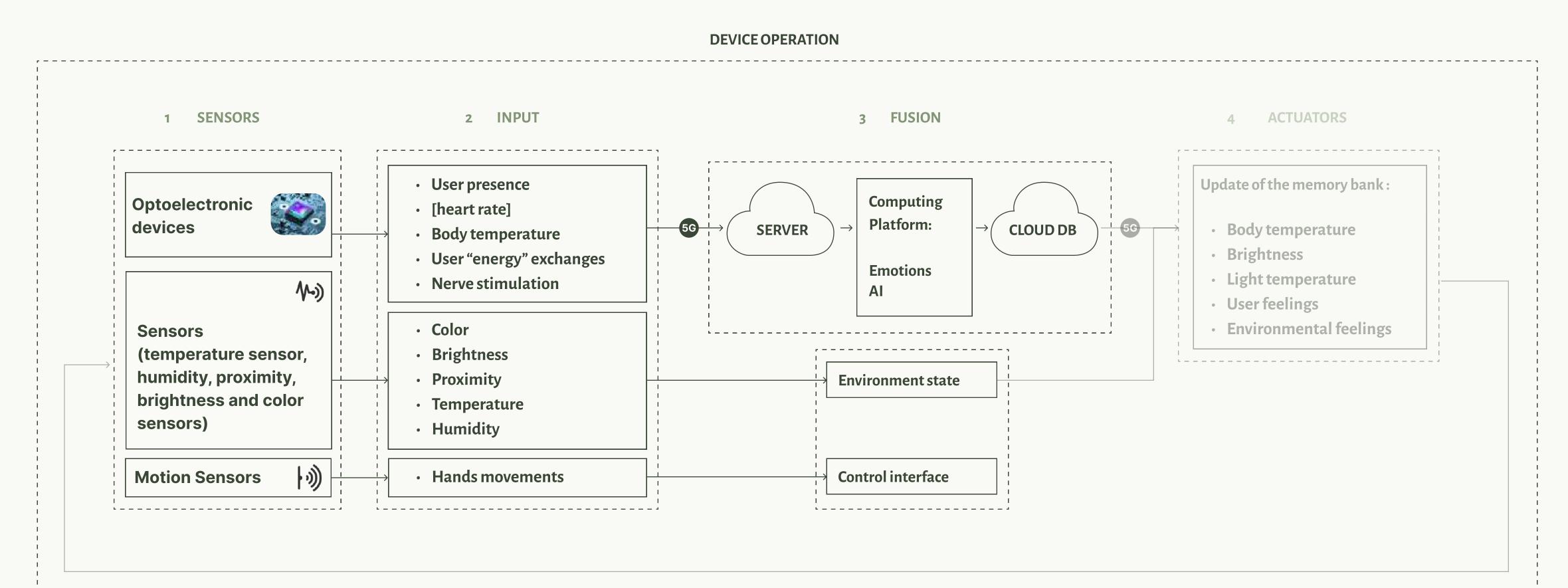
#### DEVICE OPERATION



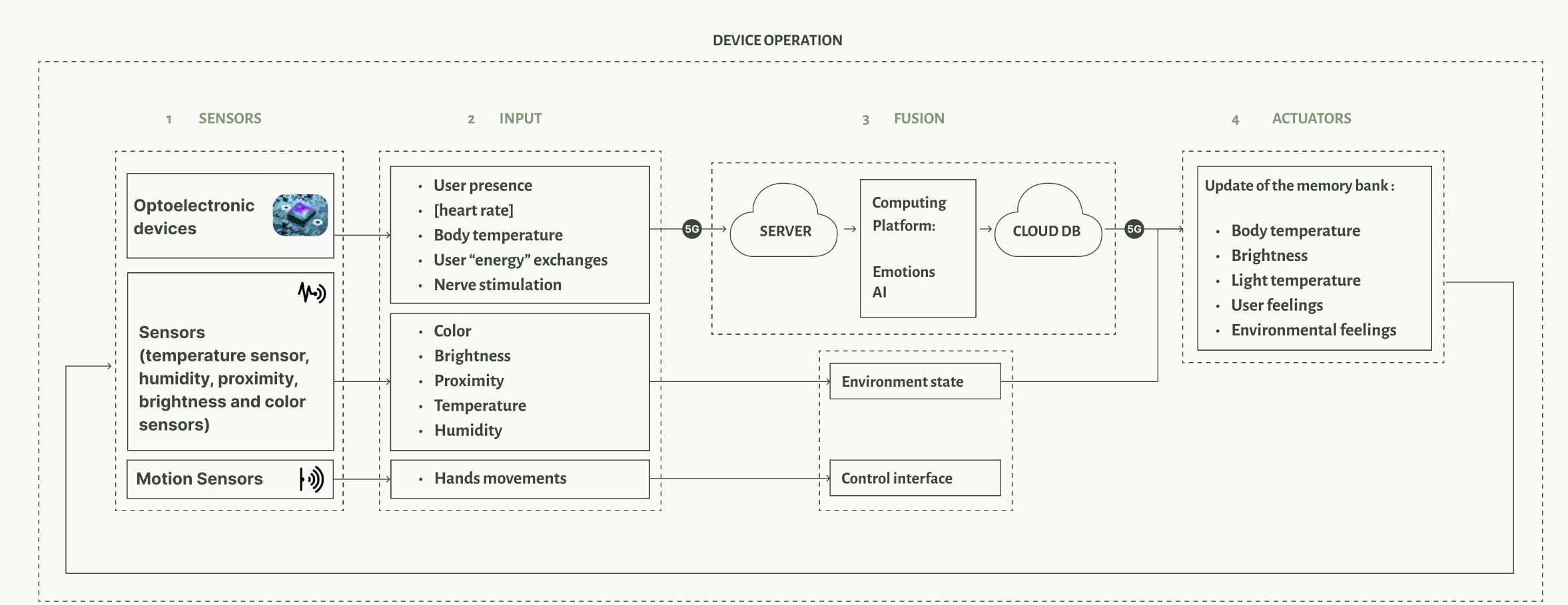


#### **DEVICE OPERATION SENSORS** 2 INPUT 3 FUSION **ACTUATORS** Update of the memory bank: User presence Computing **Optoelectronic** • [heart rate] **Platform:** devices **SERVER CLOUD DB** Body temperature Body temperature Brightness • User "energy" exchanges **Emotions** Light temperature Nerve stimulation **(...)** User feelings Color Environmental feelings Sensors Brightness (temperature sensor, humidity, proximity, Proximity **Environment state** brightness and color Temperature sensors) Humidity **|**•) **Motion Sensors** Hands movements **Control** interface





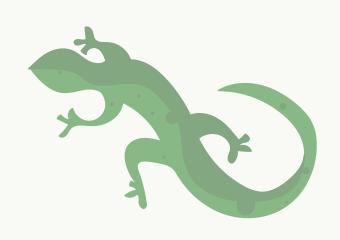




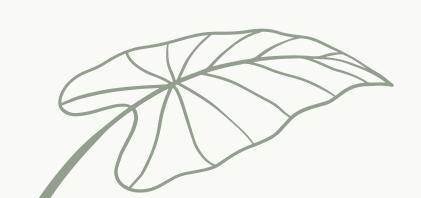




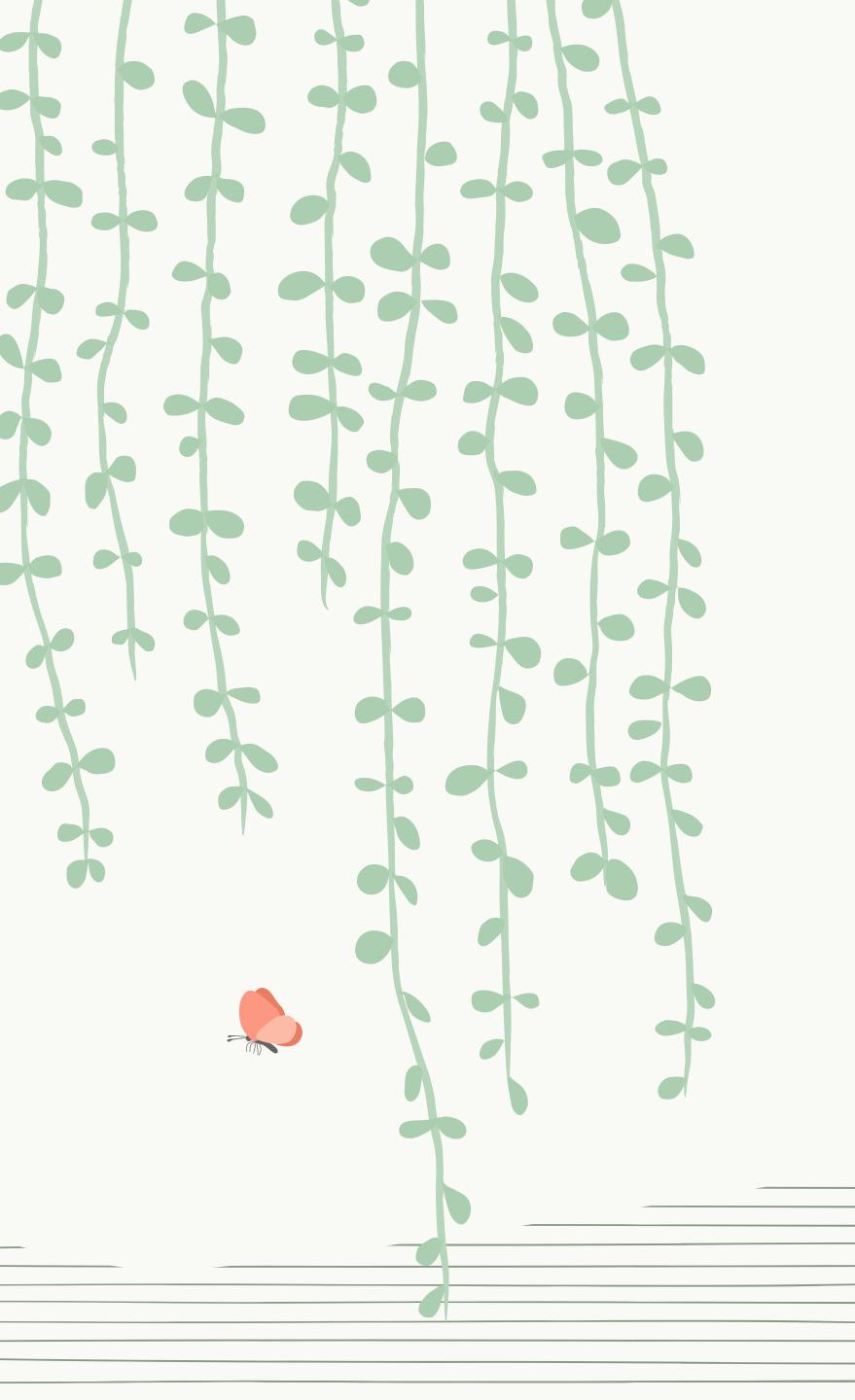
# Sum Up: Key concepts



- Creation of 'sensitive' technology for humans and non-humans to enable symbiosis.
- Symbiosis between members, creation of empathy and a shared memory library.
- Creation of a commonning network between humans and non-humans in the vision of common and sensitive sharing and evolution.











Ala, Chiara, Claudia, Elisa, Erica, Sirine

