# LOGBOOK

## (DE+RE)COMPOSITION

## "NEW NATURE IN PARK AT THE ILM"

Advisor:

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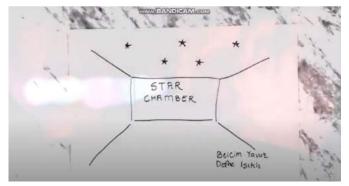
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## **CASE STUDY**

#### **STAR CHAMBER**



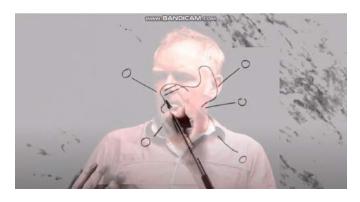












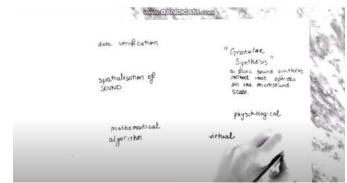


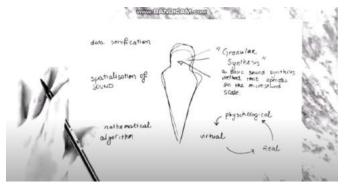


#### "NEW NATURE IN PARK AT THE ILM"





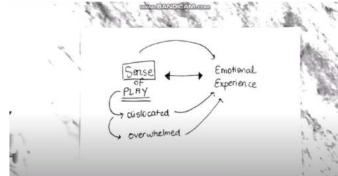


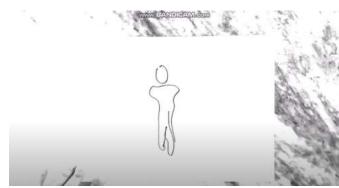






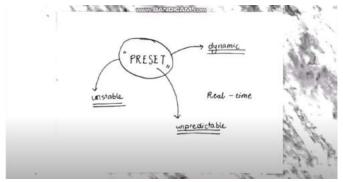




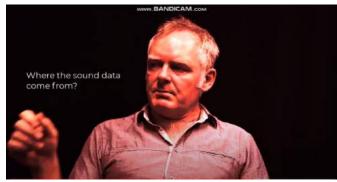


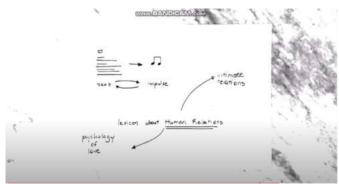
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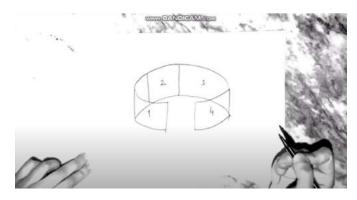


















The piece brings us back to the source of human nature, to a preverbal space, where the voice loses its symbolic meaning and turns into an utterance by deconstructing the voice.

Psychological space that was created in a panoramic way surrounds the visitor and puts her inconnection to her own self through an inner voice sound of the piece, while the universe-like atmosphere empasizes the inseparable wholeness of Human and Nature.

## ILM ANALYSIS

#### "spazieren gehen"

Charles Darwin, Friedrich Nietzsche, William Wordsworth, even Aristotle: The list of great minds that were also obsessive walkers is long.

Studies confirm that walking is also a creativity booster.



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# A PHILOSOPHY OF WALKING

"Walking can provoke these excesses: surfeits of fatigue that make the mind wander, abundances of beauty that turn the soul over, excesses of drunkenness on the peaks, the high passes (where the body explodes). Walking ends by awakening this rebellious, archaic part of us: our appetites become rough and uncompromising, our impulses inspired. Because walking puts us on the vertical axis of life: swept along by the torrent that rushes just beneath us. What I mean is that by walking you are not going to meet yourself.

By walking, you escape from the very idea of identity, the temptation to be someone, to have a name and a history." from Philosophy of Walking by

Frédéric Gros

## CHOREOGRAPHY OF FRENCH GARDEN

On account of a visit of the English Queen to Versailles in July 1689, Louis XIV sat down and wrote a guide to the magnificent garden. His itinerary takes the form of carefully prepared choreography of walking, pausing and turning. From the main avenues with their grand vistas the visitor is invited to make detours into bosquets and other closed spaces; special attention is pad to the fountains, their jets, cascades and mirrors of water. In Louis' choreography the garden is a place to experience through corporeal movements as much as a place to survey from one privileged viewpoint. Rather than a static view the garden appears as a series of events.



Nietzsche: "Do not believe any idea that was not born in the open air and of free movement."





## 2.PLENUM

#### WHAT IS NEW NATURE?







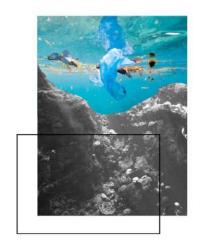












#### "NEW NATURE IN PARK AT THE ILM"

New Nature refers to a distopic era in the future where "garbage" will be considered as natural phenomena and "walking" will have artificial meanings apart from the philosophical approach of "Spazierengehen".

#### **GARBAGE**

In contemporary times, garbage has become more than a simple problem of excessive waste, it will endanger the sake of human existance in Earth. Non-confronted current facts related with garbage, climate change and pollution will become non-bearable conditions for tomorrow.

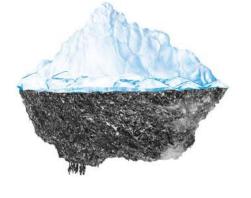
### WALKING

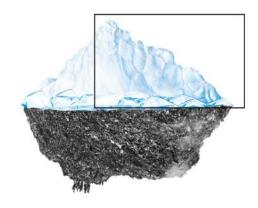
Walking was used as a means of thinking by philosophers, scientists and thinkers such as Charles Darwin, Friedrich Nietzsche, William Wordsworth, Aristotle. As an act of "Spazierengehen", great minds were able to provoke these excesses: surfeits of fatigue that make the mind wander, abundances of beauty that turn the soul over, excesses of drunkenness on the peaks, the high passes (where the body explodes).

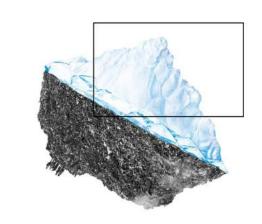
"By walking, you escape from the very idea of identity, the temptation to be someone, to have a name and a history." Frederic Gros However, within the concept of New Nature, walking will emerge and reshape itself as an act of activism. Human will interact with nature by the very primitive act of preservance. Garbage triggers within self to define a new perspective of walking.

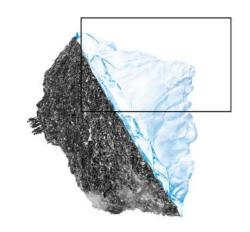
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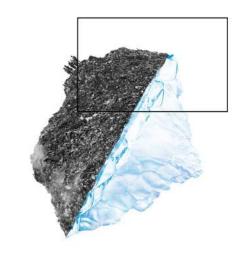


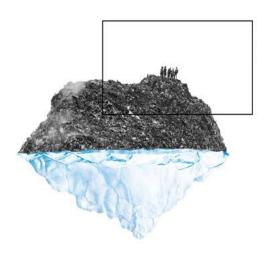












THE GARBAGE PROBLEM IS NOW THETIP OF THE ICEBERG...

#### PLASTIC.

Plastic never fully degrades.

Every year, over 8 million tonnes of plastic waste flow from land to sea.

#### & OCEAN.

In certain parts of the globe, plastic represents up to 95% of the total marine debris.



#### MARINE DEBRIS

any persistent solid material that is manufactured or processed and directly or indirectly, intentionally or unintentionally, disposed of or abandoned into the marine environment

#### & RIVERS.

Between 1.15 and 2.41 millions of tonnes of plastic flow from rivers into the ocean every year.

WATERWAYS ARE THE MAIN CARRIERS OF WASTE FROM INLAND AREAS TO THE SEA.

## NEW NATURE

In January 1992, an ocean liner connecting China to the US lost 12 containers off the coast of Russia in a storm. Thousands of "plastic ducks" poured into the ocean. Ten months later, numerous ducks were found on the coast of Alaska.



& MOVE-MENT OF MARINE DEBRIS IN OCEAN

Today there are over 5000 billion plastic particles floating in our oceans even tough majority of it sinks to the bottom of the ocean.
Floating debris

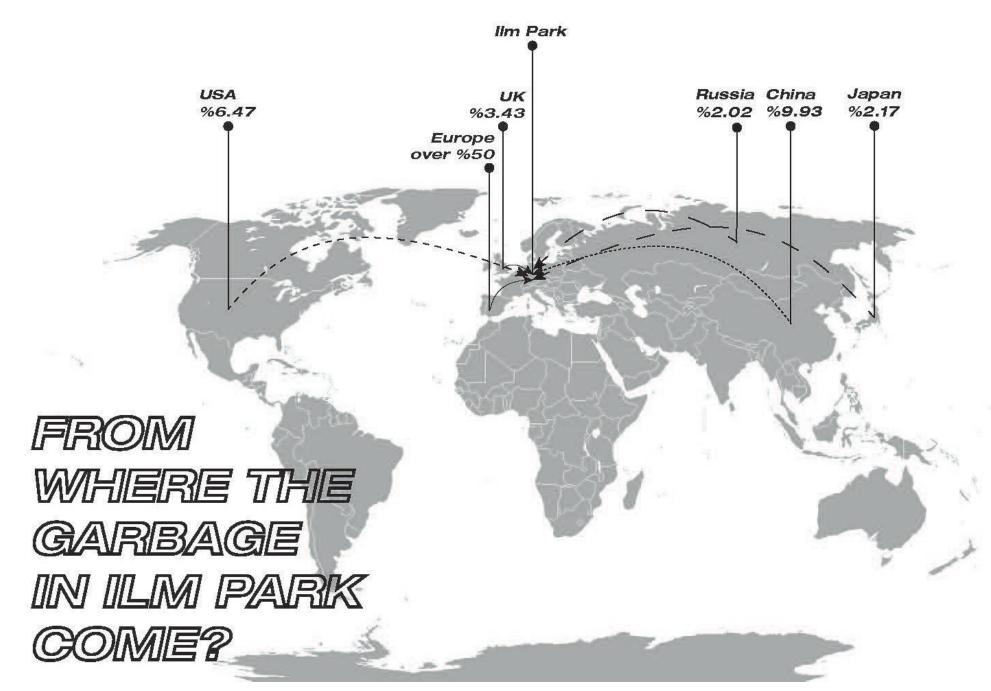
Floating debris
can be carried by
ocean currents
across sometimes
remarkable distances.

## 7th

"The Seventh Continent", also called the Great Pacific Garbage Patch, is a zone where floating debris converges, situated in the North Pacific between California and Japan. There are 5 such meeting points or 'gyres' on earth.

#### & GYRES.

Taking the form of a plastic soup, these gyres are essentially made up of plastic particles smaller than 5mm. It is estimated that the Great Pacific Garbage Patch or Seventh Continent could contain between 45 and 129 thousand tonnes of waste.











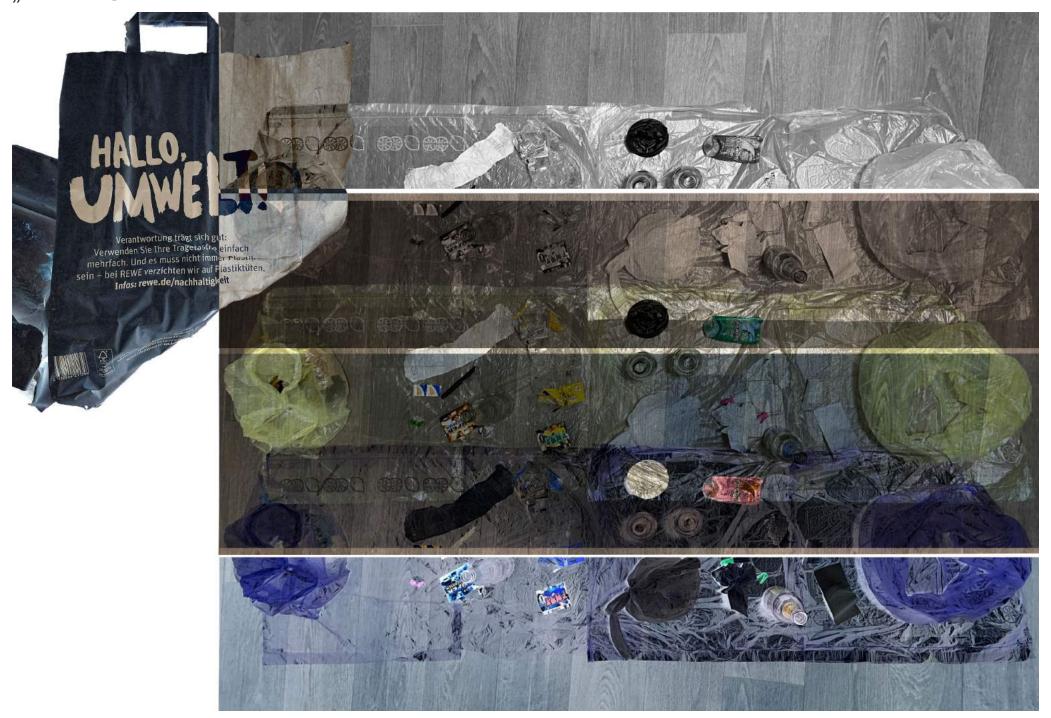






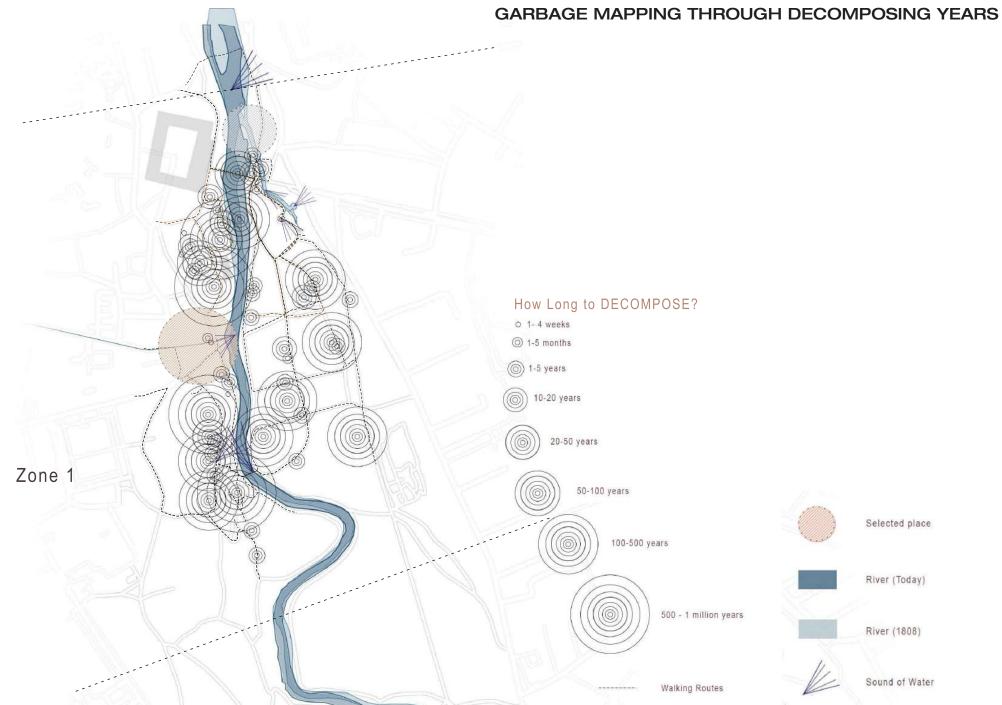




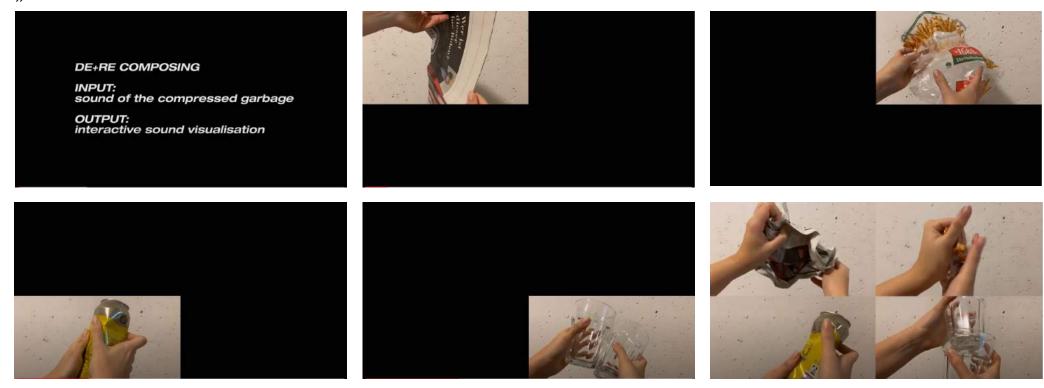


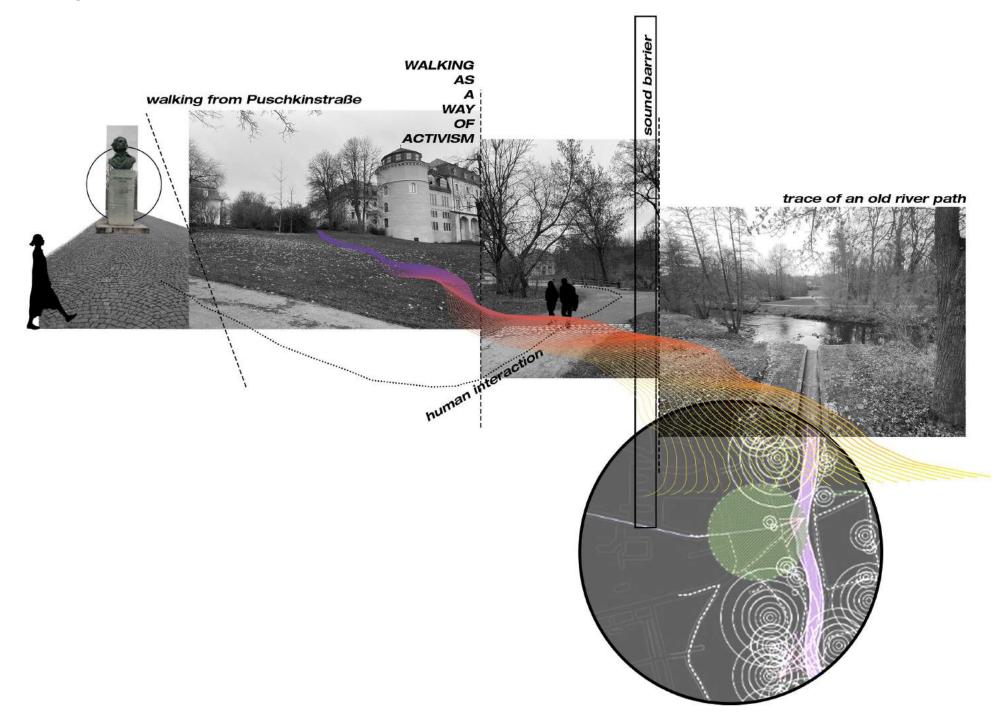
|                  | 2 Weeks       |
|------------------|---------------|
| Train ticket     | 2 WEEKS       |
| Cardboards 2     | 2 Months      |
| Cigarette Filter | 1-5 Years     |
| Milk Cartons 5   | 5 Years       |
| Plastic Bag      | 10-20 Years   |
| Tin Can 5        | 50 Years      |
| Plastic Foam 55  | 50 Years      |
| +-] Batteries    | 100 Years     |
| Aluminum Can     | 100-200 Years |
| Plastic Bottle 4 | 450 Years     |
| Glass Bottle     | 1 Million     |

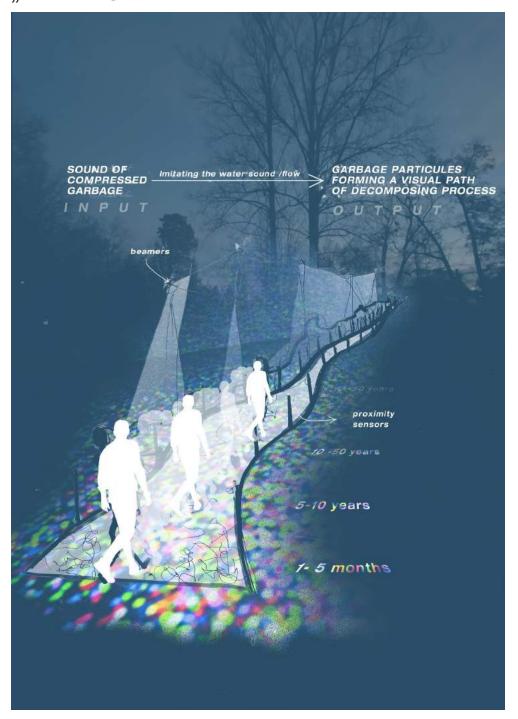
HOW LONG DOES IT
TAKE FOR GARBAGE TO
DECOMPOSE IN
NATURE?



#### "NEW NATURE IN PARK AT THE ILM"

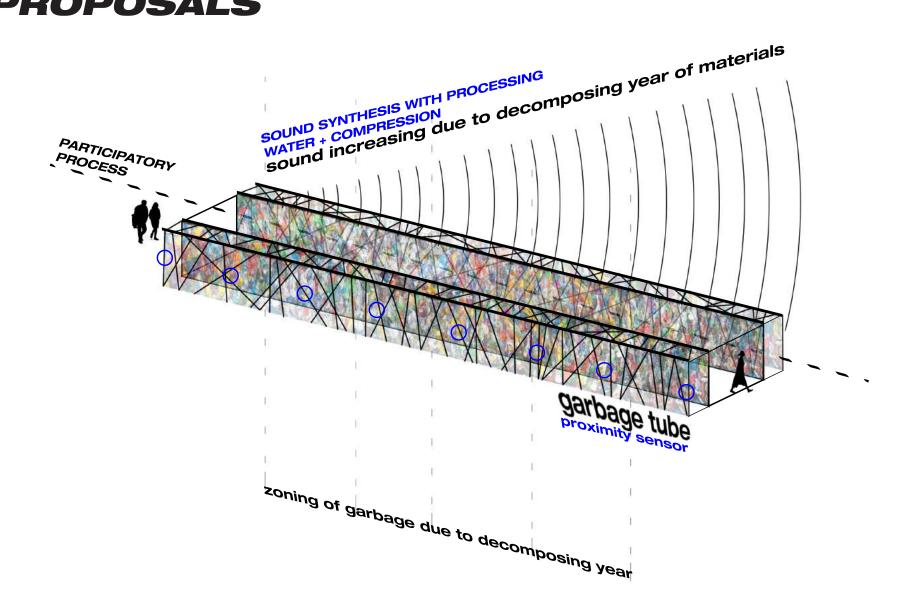


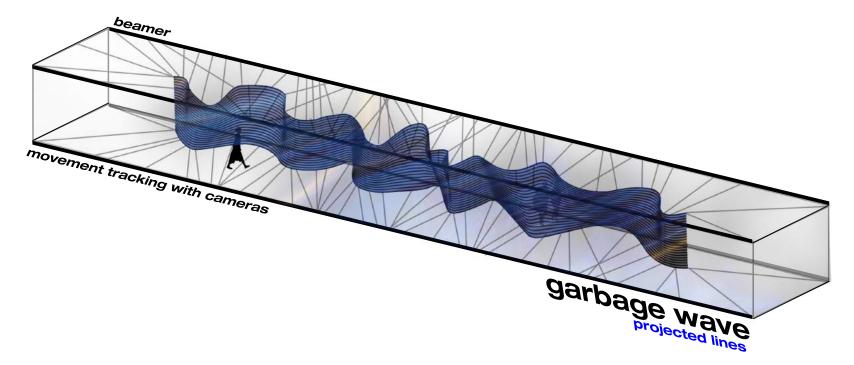


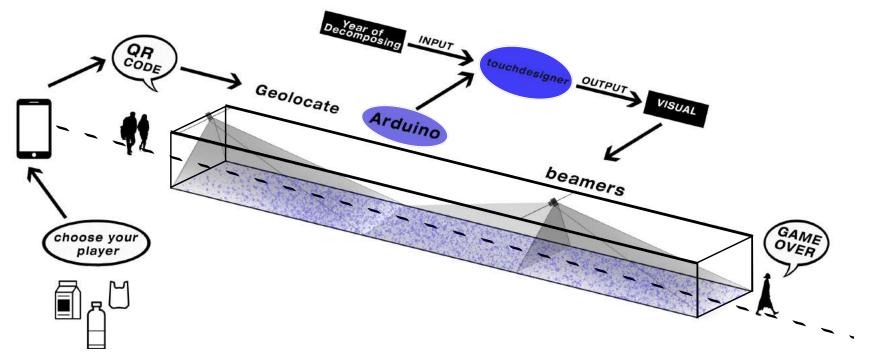


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## **3 PROPOSALS**







## **3.PLENUM**

On 3.rd plenum, the aim is to combine all of the proposals that we have presented last week.





water flow visual on the ground



water flow sound





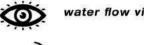
water flow visual on the ground



water flow sound

Moment 0





water flow visual on the ground



water flow sound





water flow visual on the ground



water flow sound



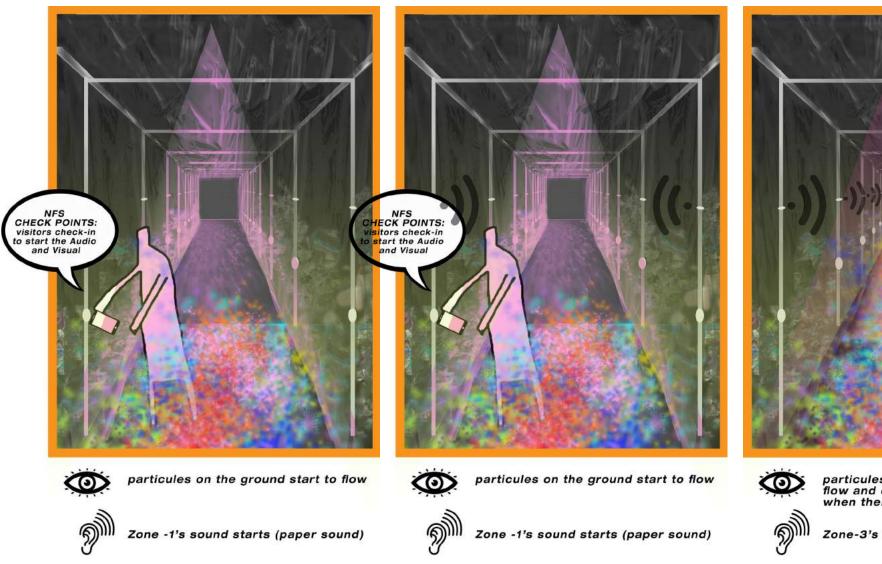
particules on the ground start to flow



Zone -1's sound starts (paper sound)

Moment 1

Moment 1



particules on the ground continue to flow and certain particules disappear when their lifespan/zone ends

Zone-3's sound starts (cigarette filter)

Moment 2

Moment 2





particules on the ground continue to flow and certain particules disappear when their lifespan/zone ends



Zone-3's sound starts (cigarette filter)



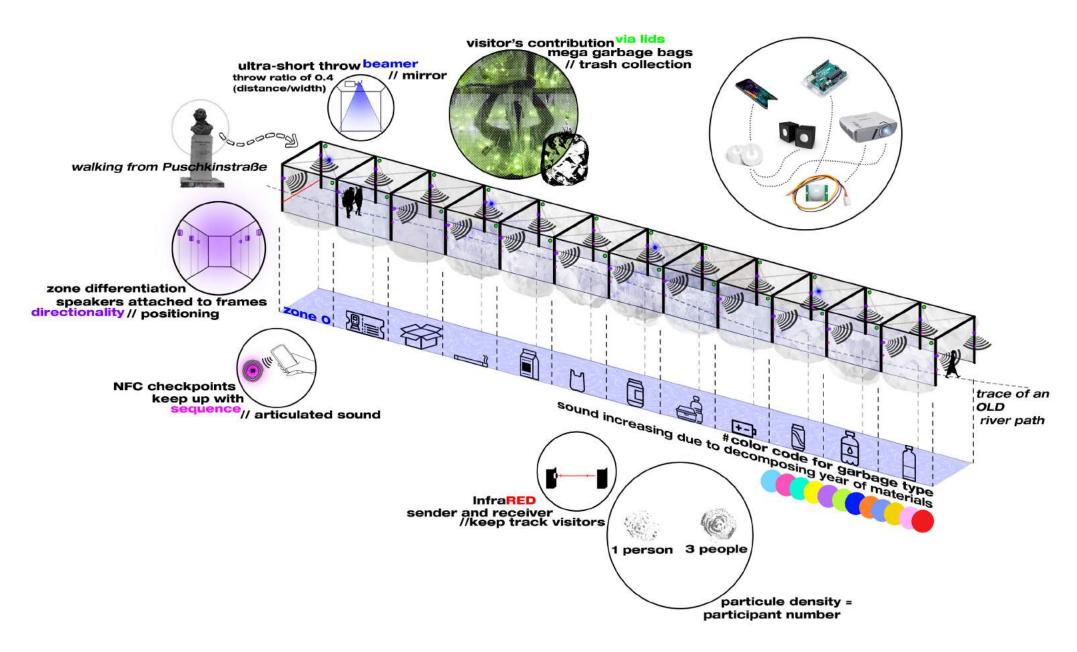


particules on the ground disappear except for the glass



Zone-12's chotic sound fades away when the visitor check-out

Moment 4

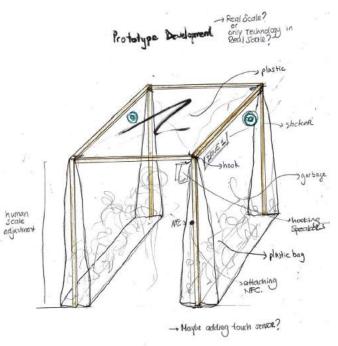


## PROTOTYPE DEVELOPMENT

Eliminating complexity: Visual particle system Beamers (also due to cost)

Focusing on the sound experience;
Making Sound clips for each zone;
(Premiere-Audition // Juxtaposing
an layering)
Sound distortions or adding
effects??

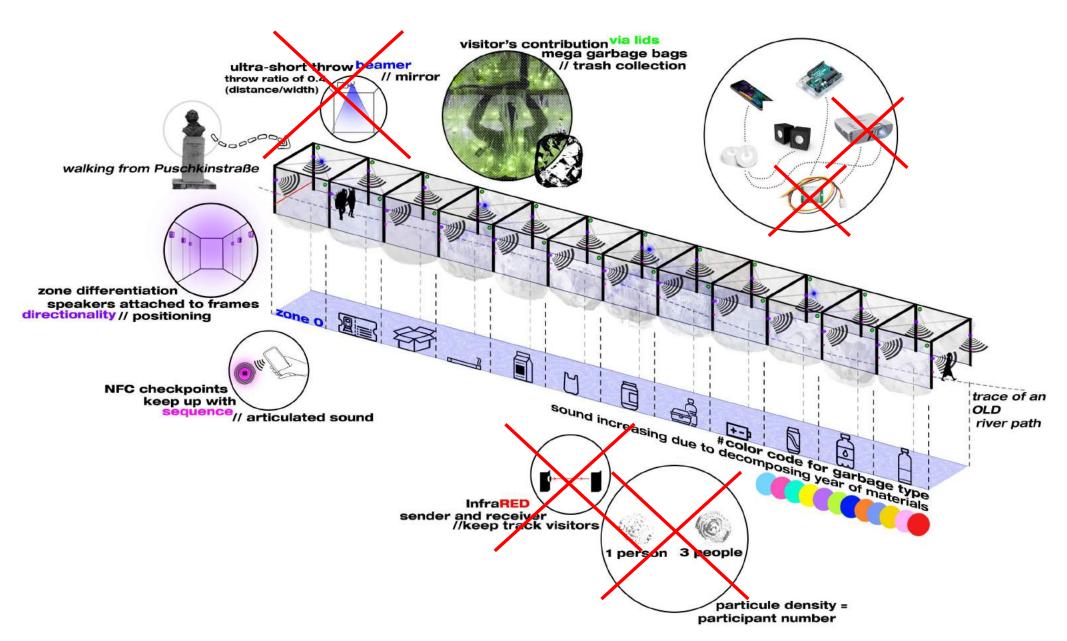
Focusing on prototype development;
Wooden Structure-Frame
Big garbage bags attached to frame



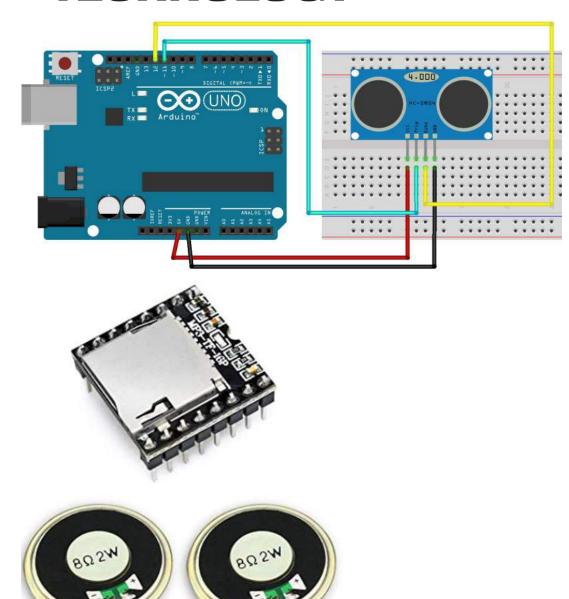


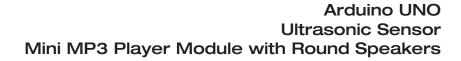


**REFERENCES** 



## **TECHNOLOGY**





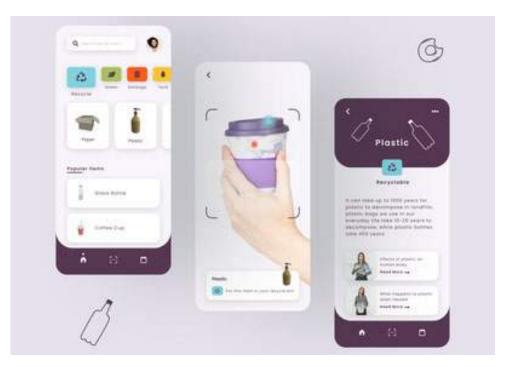
# FURTHER IDEAS

Adding a designed interface where the idea of installation is introduced.

(Garbage == new nature == mimicking water)

Making a mockup project of interface

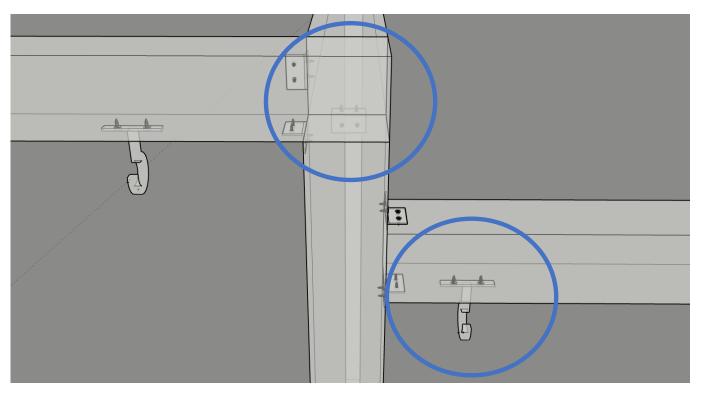
Extra information about Zones; (ex: Zone 1: (through NFC) // Explaining decomposing time of garbage)

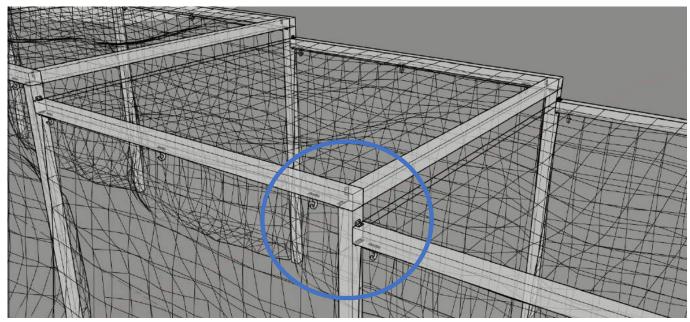


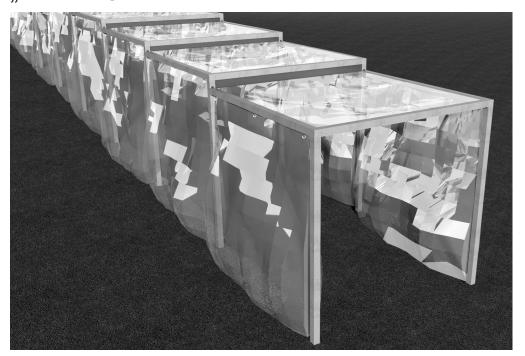


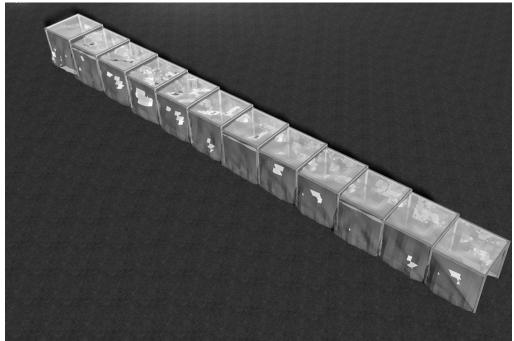
## CONSTRUC-TION

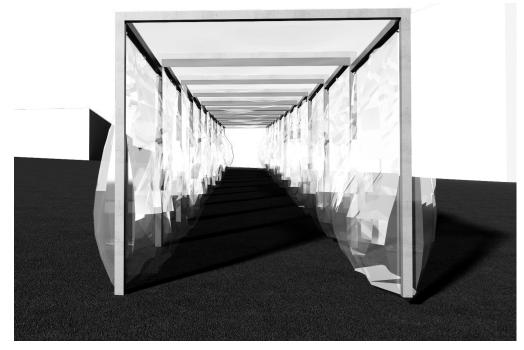
Joint details of how wooden elements come together Joint details of how plastic bags will be hooked











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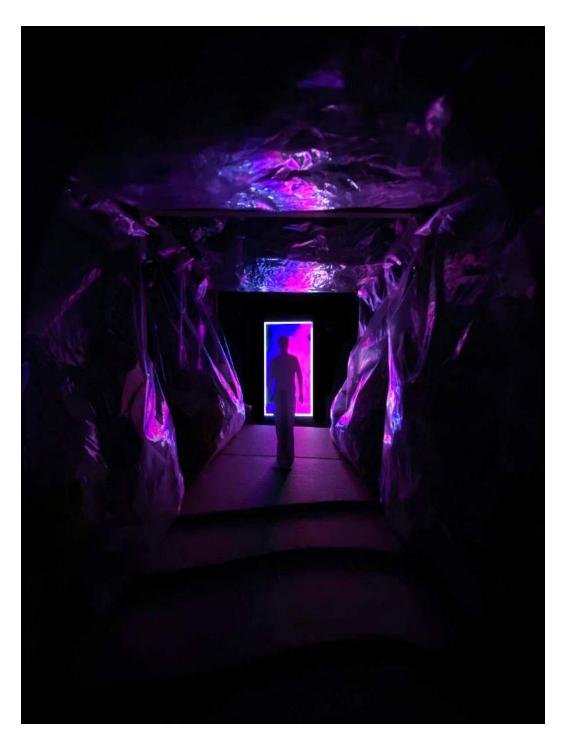
#### 4.PLENUM

Welcome to your future Home!

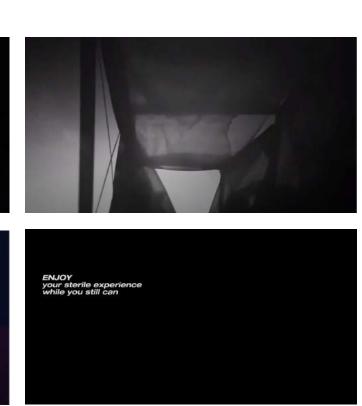
Here you will enter an auditory experience of a world full of waste. During this journey, you will be accompanied by the items that were collected from the park "Ilm" every day. You, as humans produced more than this planet can handle and you are not doing anything to stop it. So instead, we are giving you a chance to get used to your future and look at these items which would normally end up in the ocean after Germany's annual waste export. The final destination of all of the Planet's waste is forming "The 7th Continent" in the ocean, which is also called "the great pacific garbage patch", has now an area of 1.6 million square kilometers and continues to grow. Ultimately, It will be a brand-new habitat for humankind but no other species.

The materials on the sidewalls are placed in plastic bags to enhance a pleasant journey. You can enjoy listening to the decomposing sound of each wastezone that is sorted according to their life-span respectively. In your future environment, you will have the opportunity to experience them on another level, by touching, smelling, walking on, and maybe swimming in it.

Enjoy your sterile experience while you still can.

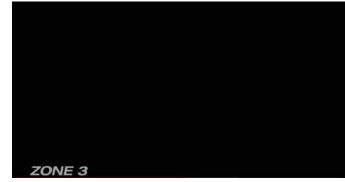








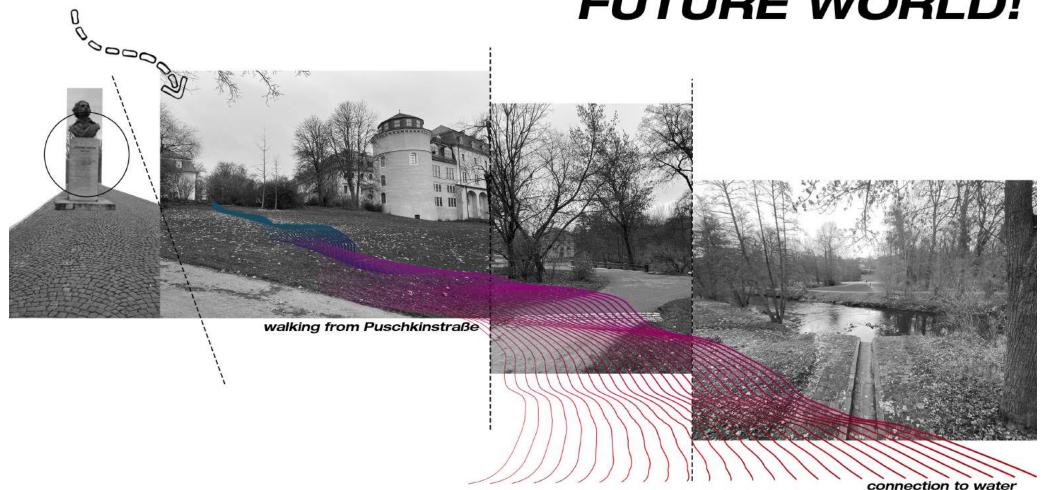


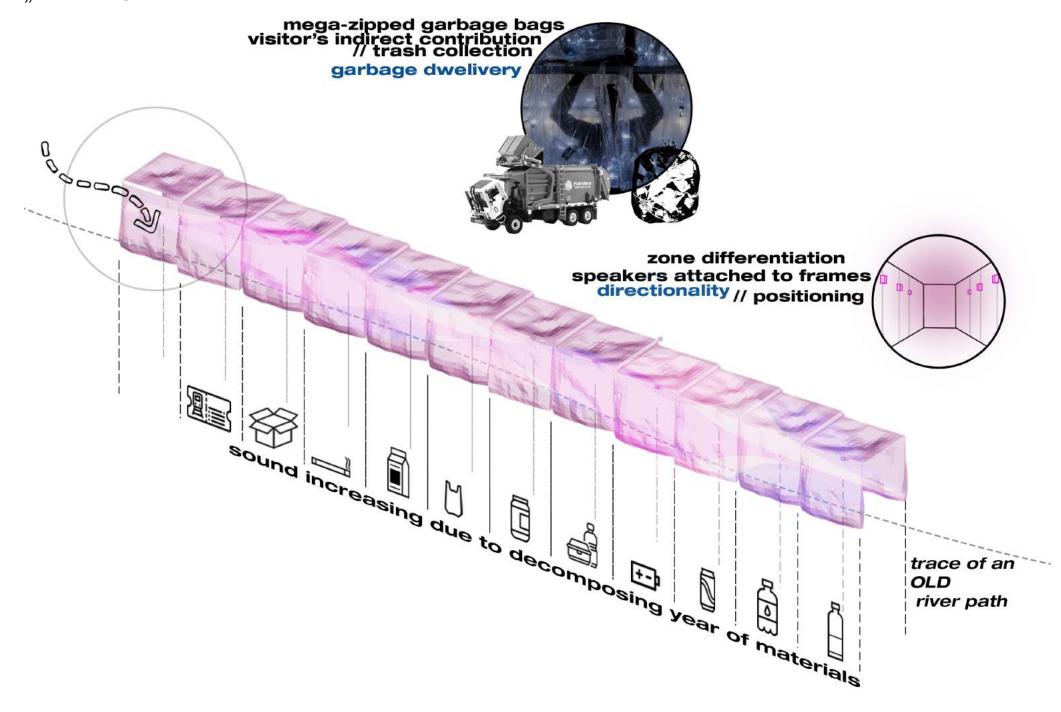


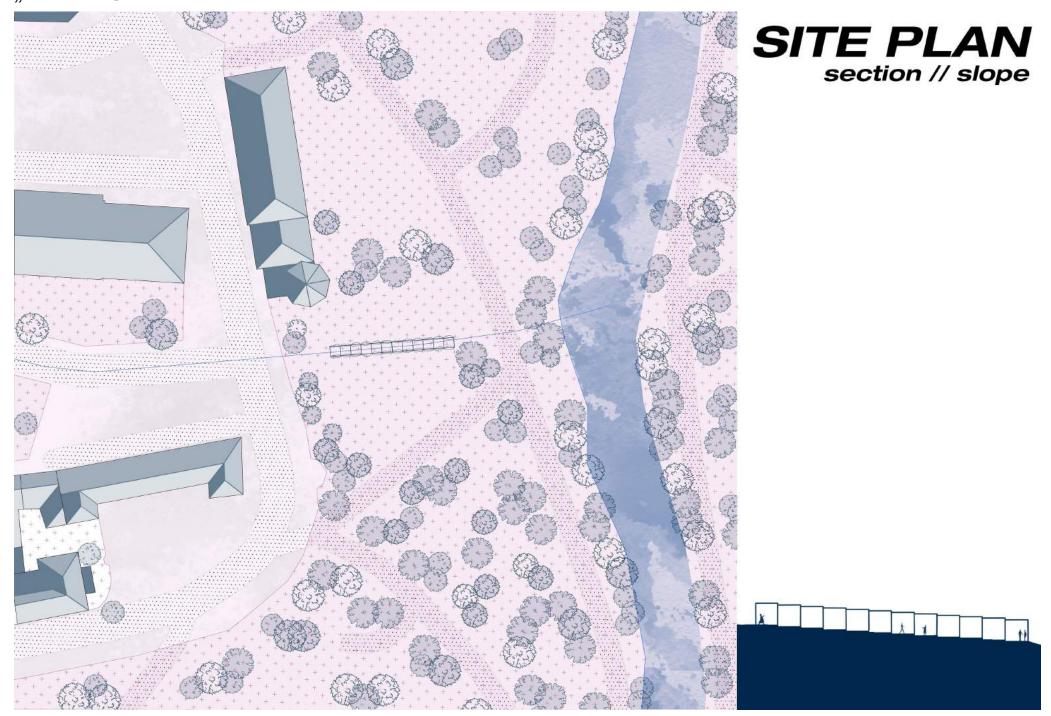
### "NEW NATURE IN PARK AT THE ILM"



# WELCOME TO YOUR FUTURE WORLD!

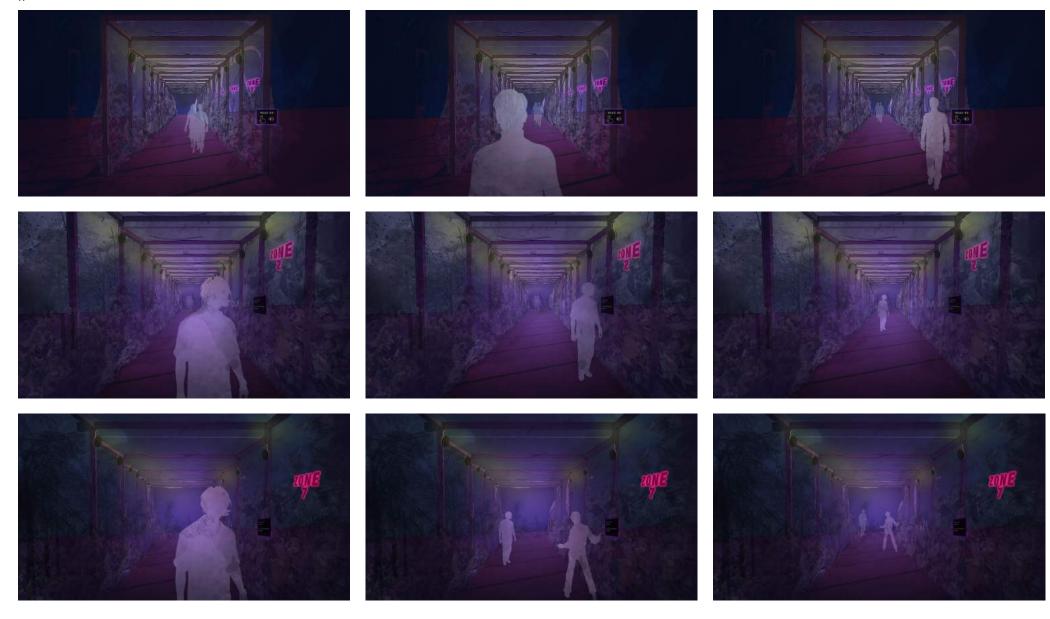






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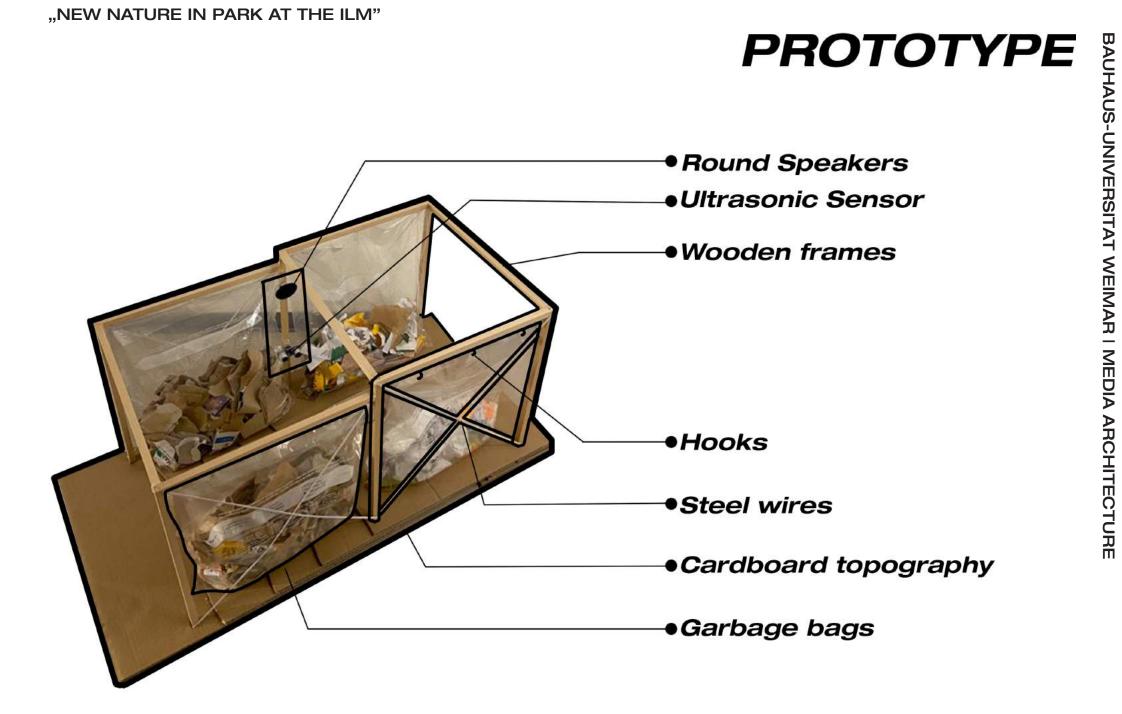


## **DETAILING**

Joint details of how plastic bags will be hooked Joint details of how plastic bags will be hooked Garbage ID Stickers



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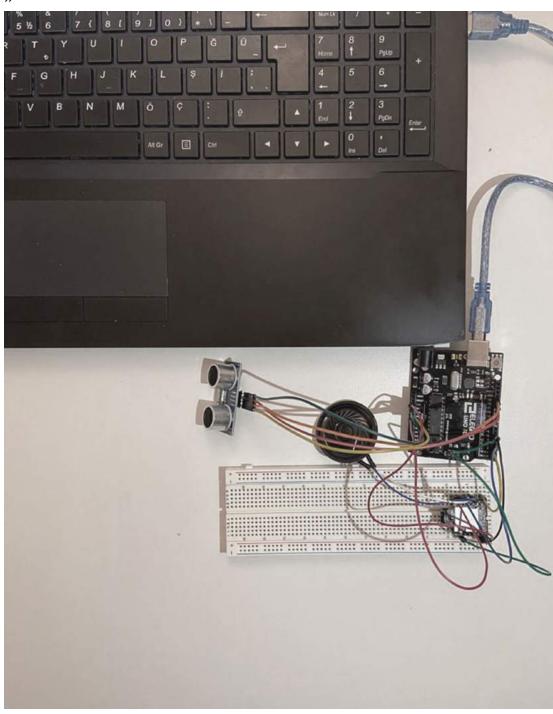








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## **PROTOTYPE**

Mini MP3 Player Module with Round Speakers





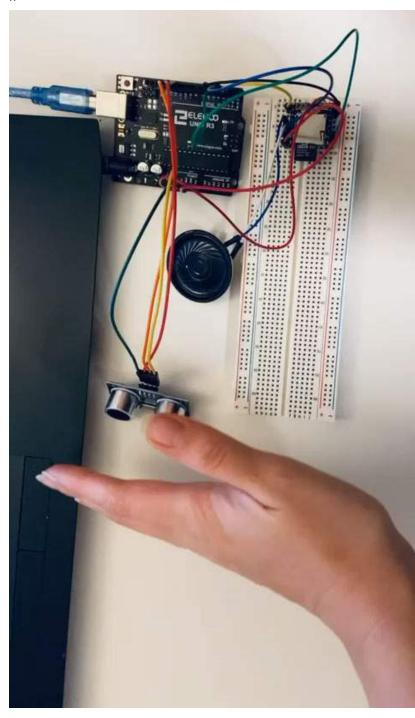


**Ultrasonic Sensor** 



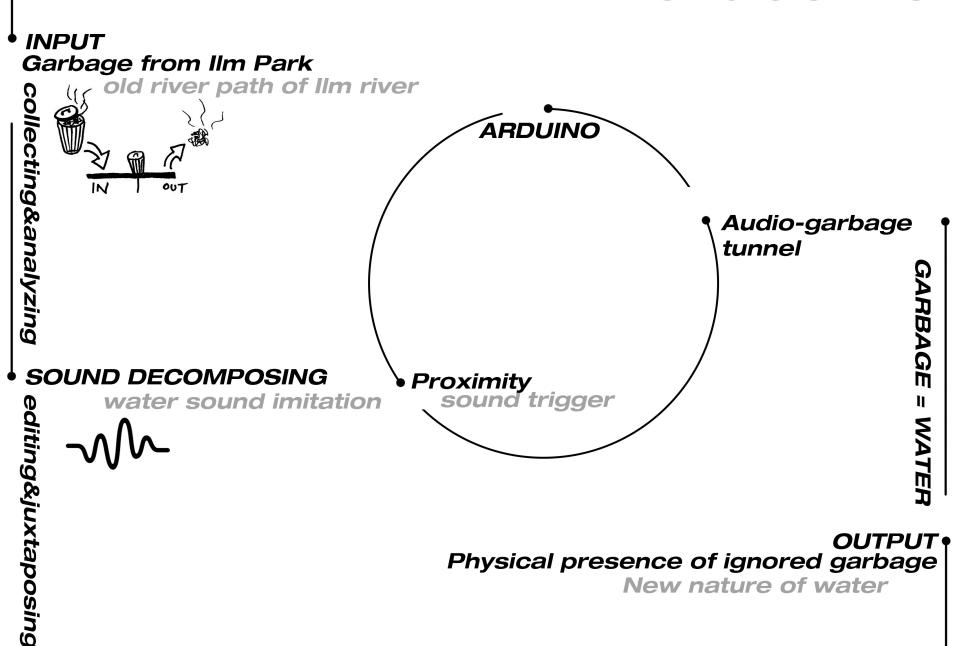
SD Card





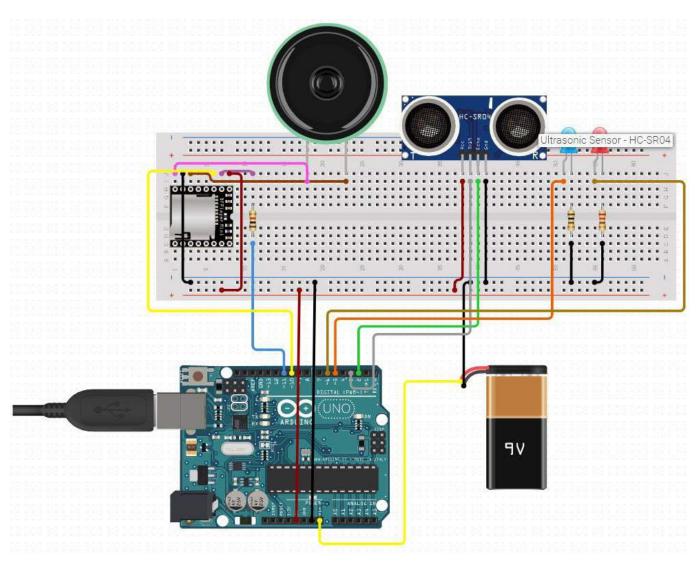
```
sketch arduinocode7
#include <SoftwareSerial.h>
#include <DFPlayer Mini Mp3.h>
int trig = 12;
int echo = 13;
void setup() {
 // put your setup code here, to run once:
Serial.begin (9600);
  pinMode(trig, OUTPUT);
 pinMode(echo, INPUT);
 mp3_set_serial (Serial); //set Serial for DFPlayer-mini mp3 module
 mp3_set_volume (25);
void loop() {
 // put your main code here, to run repeatedly:
int duration , distance;
 digitalWrite(trig, HIGH);
 delayMicroseconds(10);
 digitalWrite(trig, LOW);
 duration = pulseIn(echo, HIGH);
 distance = (duration / 2) / 21.9;
 Serial.print(distance);
 Serial.print("cm");
 delay(50);
 if (distance < 20)
 mp3_play (1);
 delay (1000);
 else if ((20 < distance) && (distance < 100))
 mp3 play (2);
 delay (1000);
 else if ((100 < distance)))
digitalWrite(trig, LOW)
```

## INPUT&OUTPUT





### AFTER 4.PLENUM



```
sketch_finit
#include <DFRobotDFPlayerMini.h>
#include <SoftwareSerial.h>
#include "Arduino.h"
// We used pins 10 and 11 to communicate with DFPlayer Mini;
const int trigPin = 3;
const int echoPin = 2;
int redLight = 6;
int blueLight = 5;
long duration;
int distance;
SoftwareSerial softwareSerial(10,11);
// Create the Player object;
DFRobotDFPlayerMini player;
void printDetail(uint8_t type, int value);
void setup() {
 // Initialize serial port for DFPlayer Mini
 softwareSerial.begin(9600);
 // Initialize USB serial port for debugging
  Serial.begin(115200);
delay(1000);
  //to check if DFPlayer is connected
 if (!player.begin(softwareSerial)) { //Use softwareSerial to communicate with mp3.
   Serial.println(F("Unable to begin:"));
   Serial.println(F("1.Please recheck the connection!"));
   Serial.println(F("2.Please insert the SD card!"));
   while (true) {
     delay(0); // Code compatible
   Serial.println("Connecting to DFPlayer Mini F-A-I-L-E-D!");
 Serial.println(F("DFPlayer Mini online."));
  //to set up volume
 player.volume(30);
 // Play the "0001.mp3" in the "mp3" folder on the SD card
```

#### "NEW NATURE IN PARK AT THE ILM"

```
sketch_finit
  // Play the "0001.mp3" in the "mp3" folder on the SD card
  //player.playMp3Folder(1);
  Serial.println(distance + "cm");
  // integers for ultrasonic sensor
 pinMode(trigPin, OUTPUT);
 pinMode (echoPin, INPUT);
delay(1000);
 //integers of LED Ligts
 pinMode (redLight, OUTPUT);
 pinMode(blueLight, OUTPUT);
 delav(1000):
void loop() {
  digitalWrite(trigPin, LOW);
 delayMicroseconds(2);
  digitalWrite(trigPin, HIGH);
  delayMicroseconds(10);
  digitalWrite(trigPin, LOW);
  duration = pulseIn(echoPin, HIGH);
  distance = duration * 0.034 / 2;
  //to see cm in the console
  Serial.print("Distance from the object = ");
 Serial.print(distance);
  Serial.println(" cm");
  delay(10);
  if (distance >= 10 ) {
    // NO SOUND AT ALL ONLY BLUE LIGHT
    digitalWrite(blueLight, HIGH);
   delay(10);
    digitalWrite(redLight, LOW);
   delay(10);
  else if (distance < 10 ) {
   // SOUND AND RED LIGHT
    digitalWrite(redLight, HIGH);
    delay(10);
```

```
sketch_finit
 else if (distance < 10 ) {
   // SOUND AND RED LIGHT
   digitalWrite(redLight, HIGH);
   delav(10);
   digitalWrite(blueLight, LOW);
   delay(10);
   static unsigned long timer = millis();
   if (millis() - timer > 60000) {
     timer = millis();
     // // player.next();
     player.playMp3Folder(1);
     delay(6000);
            // Set volume to maximum (0 to 30).
             // player.volume(30);
            // Play the "0001.mp3" in the "mp3" folder on the SD card
             //player.playMp3Folder(1);
     printDetail(player.readType(), player.read()); //Print the detail message from DFF
void printDetail(uint8_t type, int value){
  switch (type) {
   case TimeOut:
     Serial.println(F("Time Out!"));
     break;
   case WrongStack:
     Serial.println(F("Stack Wrong!"));
     break:
   case DFPlayerCardInserted:
     Serial.println(F("Card Inserted!"));
   case DFPlayerCardRemoved:
     Serial.println(F("Card Removed!"));
     break;
   case DFPlayerCardOnline:
     Serial.println(F("Card Online!"));
```

case DFPlayerUSBInserted:

```
sketch_finit
    Serial.println(F("Card Online!"));
   break:
  case DFPlayerUSBInserted:
   Serial.println("USB Inserted!");
   break:
  case DFPlayerUSBRemoved:
   Serial.println("USB Removed!");
  case DFPlayerPlayFinished:
   Serial.print(F("Number:"));
    Serial.print(value);
   Serial.println(F(" Play Finished!"));
  case DFPlayerError:
   Serial.print(F("DFPlayerError:"));
    switch (value) {
     case Busy:
       Serial.println(F("Card not found"));
      case Sleeping:
       Serial.println(F("Sleeping"));
       break;
      case SerialWrongStack:
       Serial.println(F("Get Wrong Stack"));
       break:
      case CheckSumNotMatch:
       Serial.println(F("Check Sum Not Match"));
       break;
      case FileIndexOut:
       Serial.println(F("File Index Out of Bound"));
       break;
      case FileMismatch:
        Serial.println(F("Cannot Find File"));
       break:
      case Advertise:
       Serial.println(F("In Advertise"));
       break;
     default:
       break:
   break:
  default:
   break:
```

Done Savin

### "NEW NATURE IN PARK AT THE ILM"











