

Interim
Presentation
**Smart Food
Production In
Small Spaces**

Loop**bin**

Team 3

Emile Amant

Clara Díaz Martín

Qi Xuan Tan

Lianne Hannah Maria Tibbe

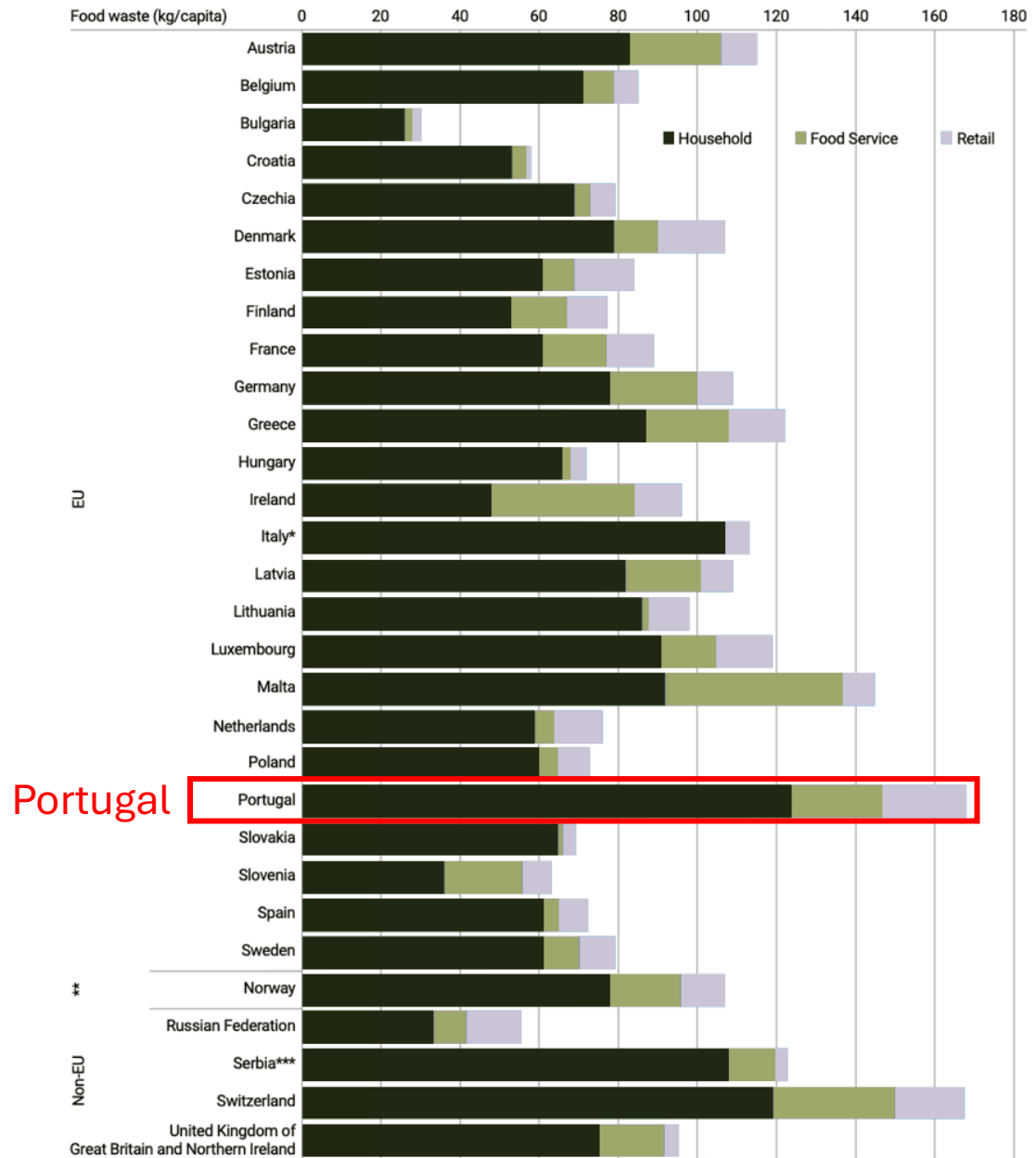
Nathan Audy

Simon Lünswilken

10/04/25

Food waste across Europe

Source: United Nations Environment Programme (2024). Food Waste Index Report 2024. Nairobi [pg. 34].

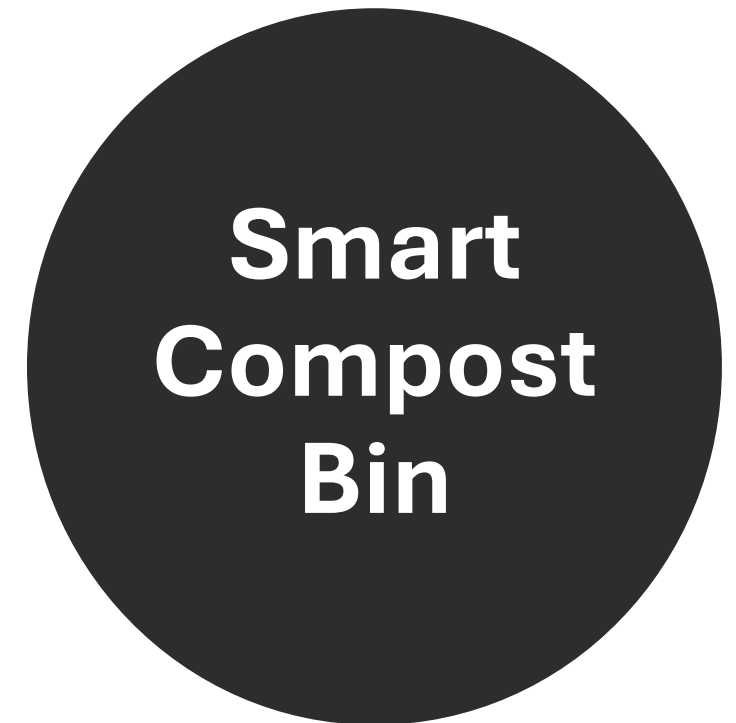
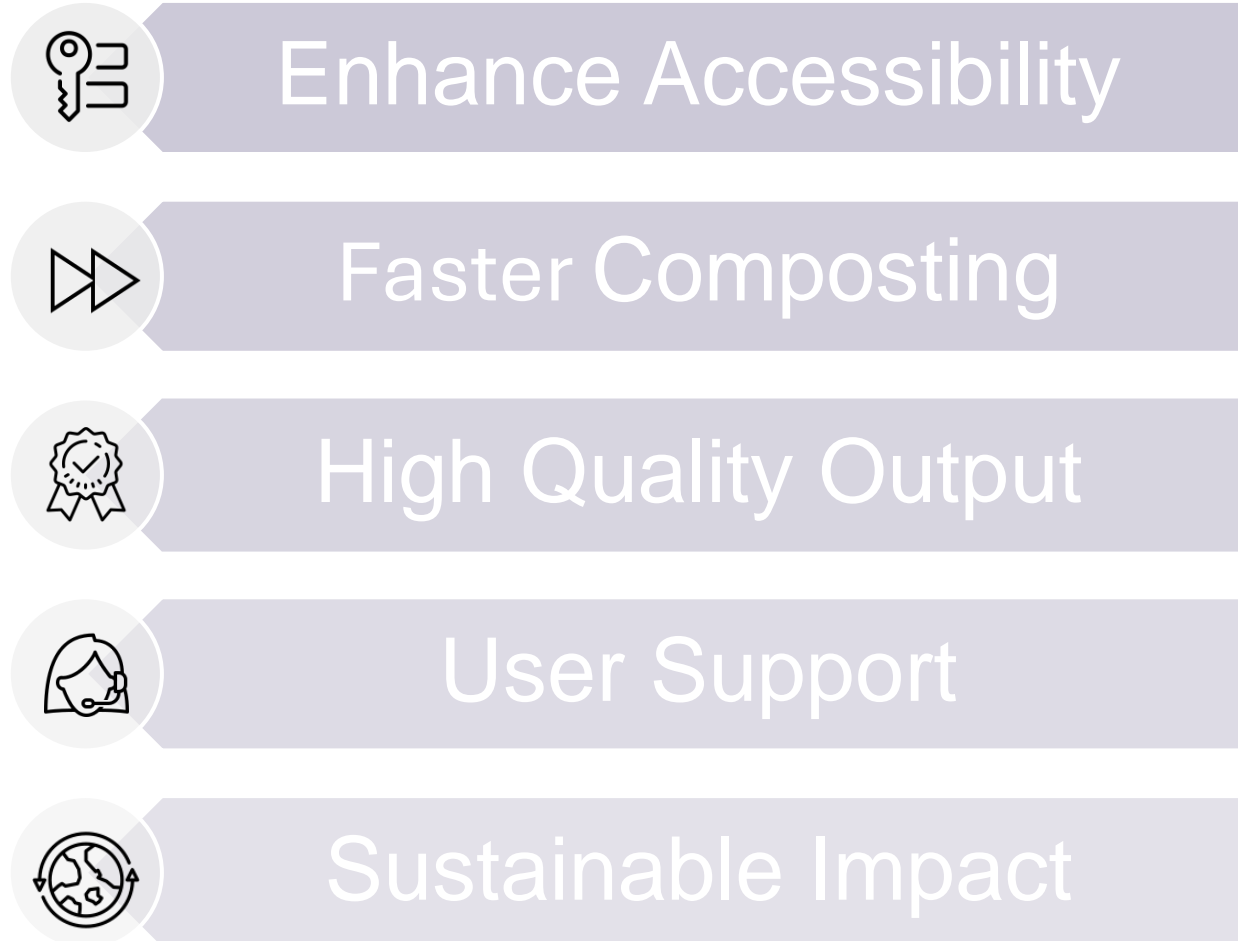


Problems composting food waste



Objectives

Solution





State of the art

Products on the market



Composting Process



CEERCLE



REENCLE



GREENZY



SOILKIND



GEME



HOTBIN

Dehumidifying Process



INNOVAGOODS



GOVEELIFE



FOODCYCLER



LOMIBLOOM

Similarities

Filter against bad odor

Frequent emptying

Needs power from socket

Fast process time

Diferences

Application

Self cleaning



Our product



For urban people without a garden that want to garden,

Who want to use their food waste in an efficient way,

The *LeftLovers* Loopbin

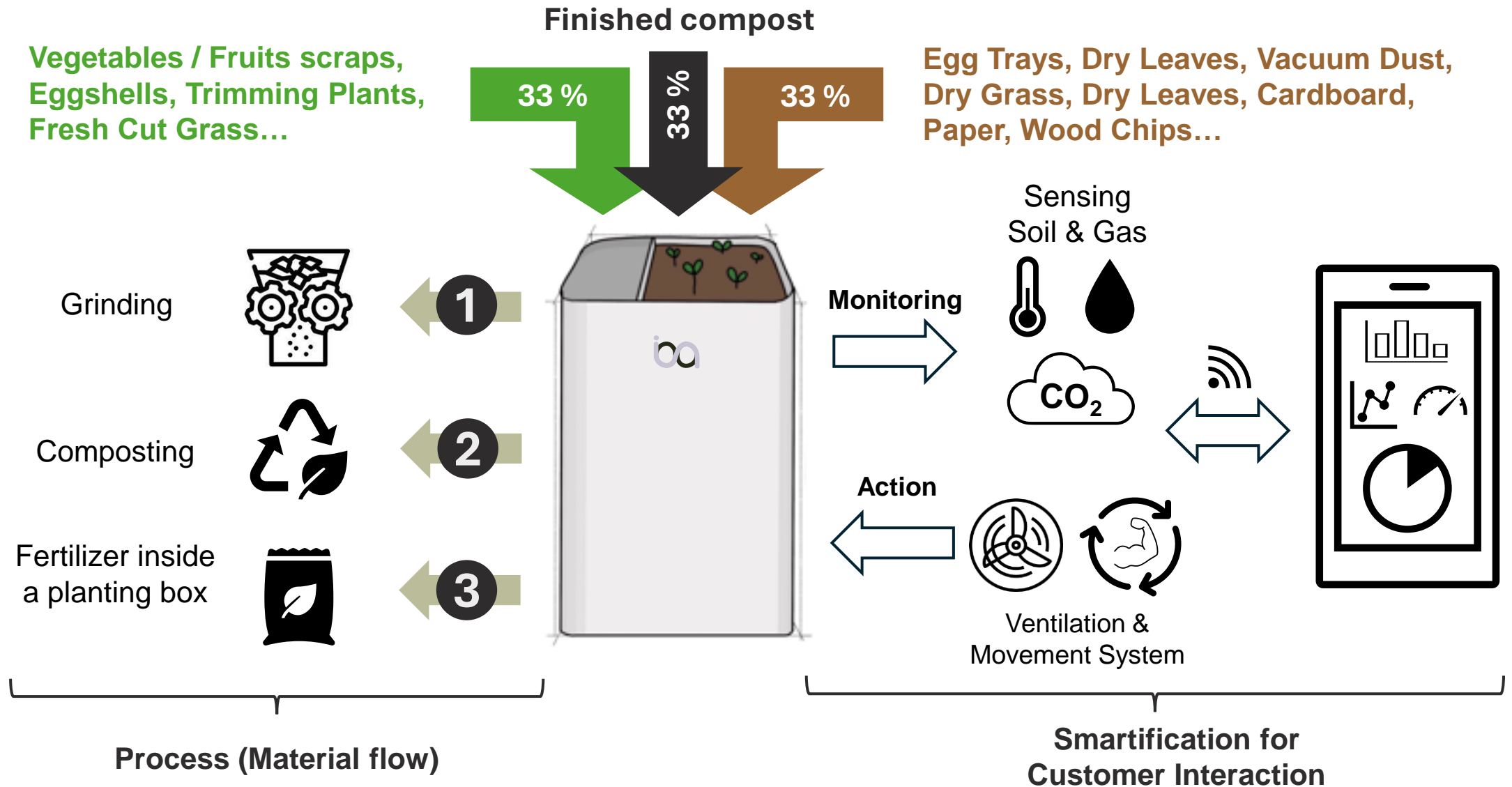
Is a smart organic bin with garden included,

That helps people to compost in an easy way with high quality product,

Unlike other compost bins,

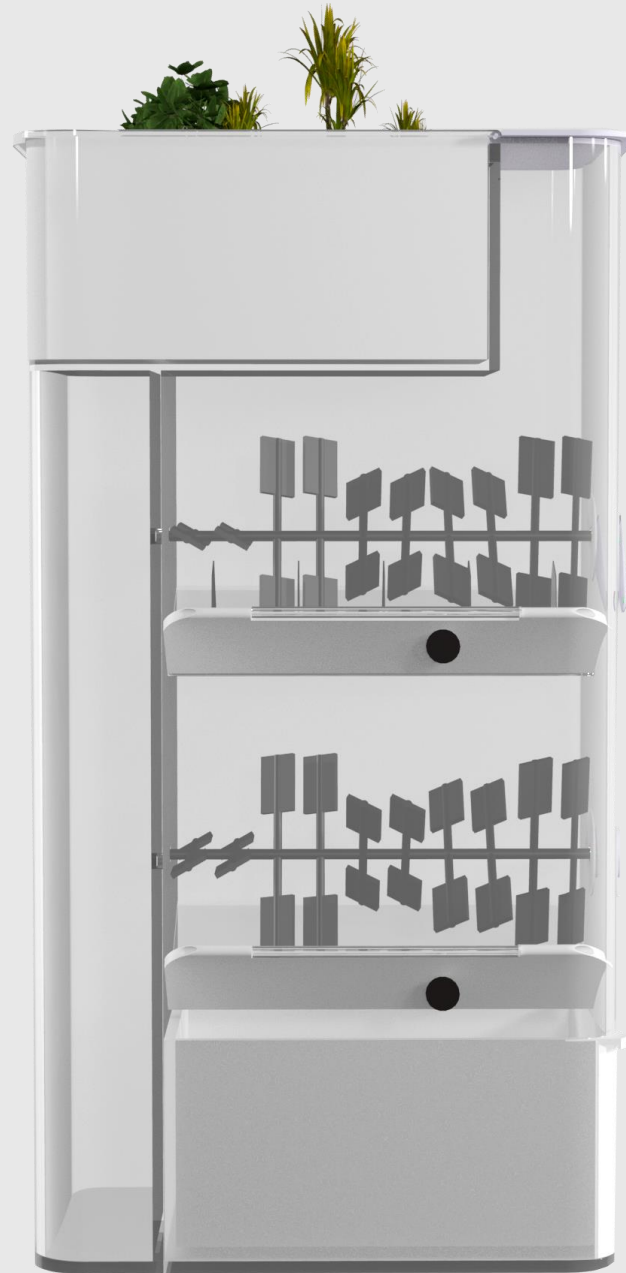
Our product makes it possible to monitor and create a fertilizer specifically for your own plants that are included in the compost bin garden.

Concept



Our Product



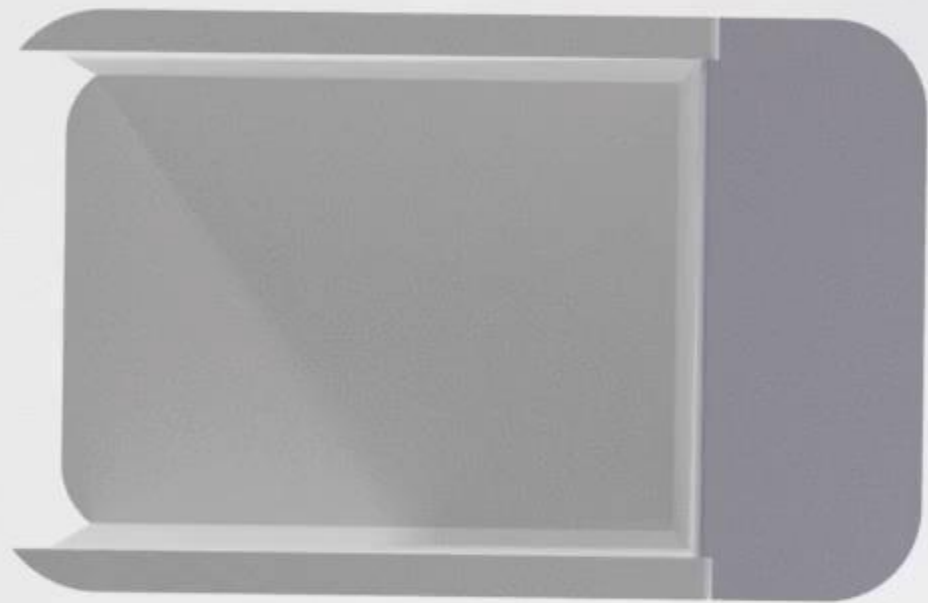






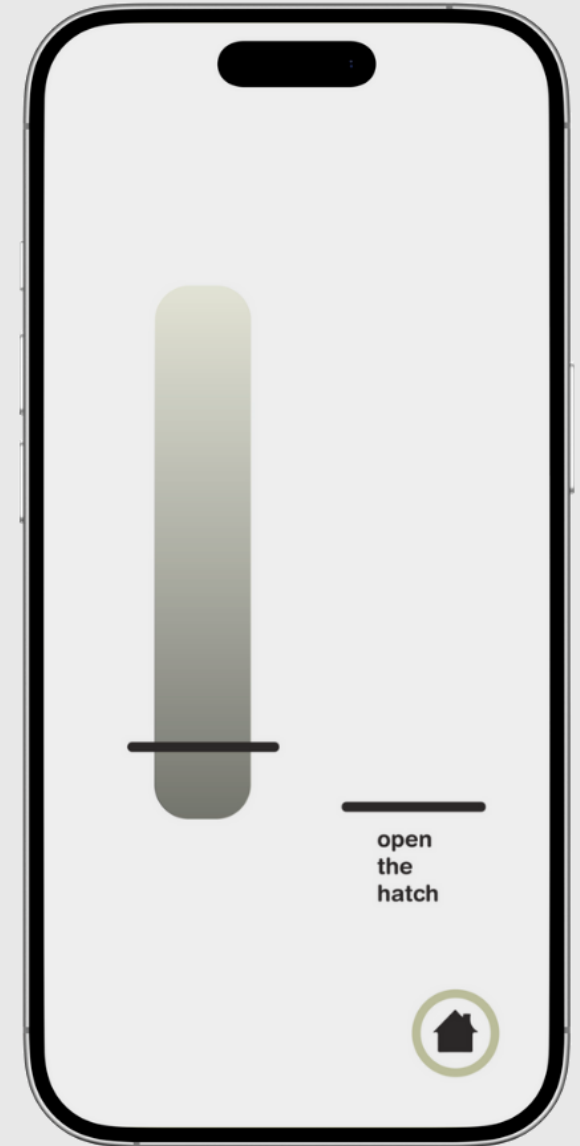
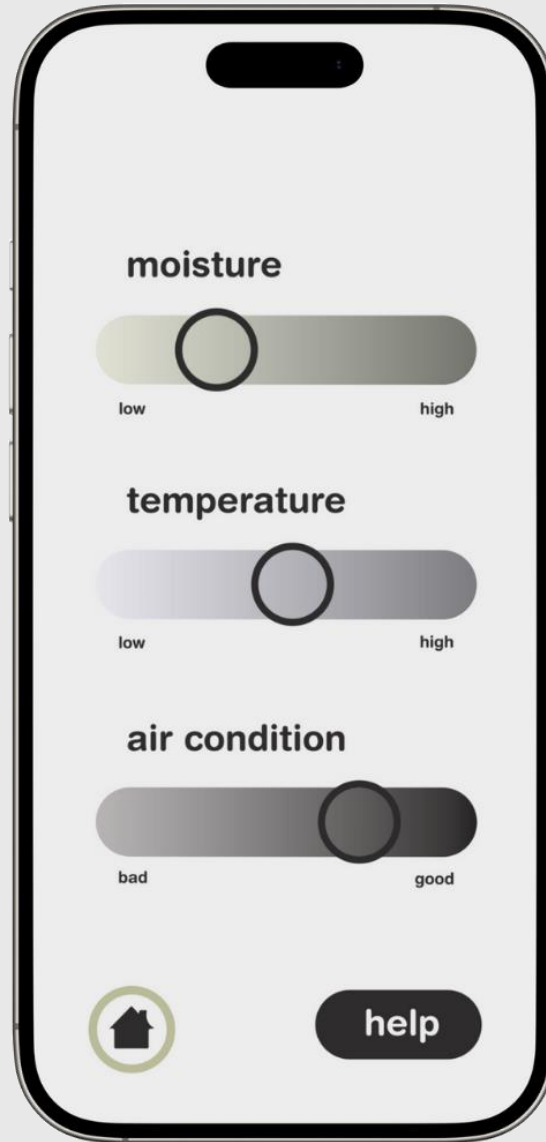
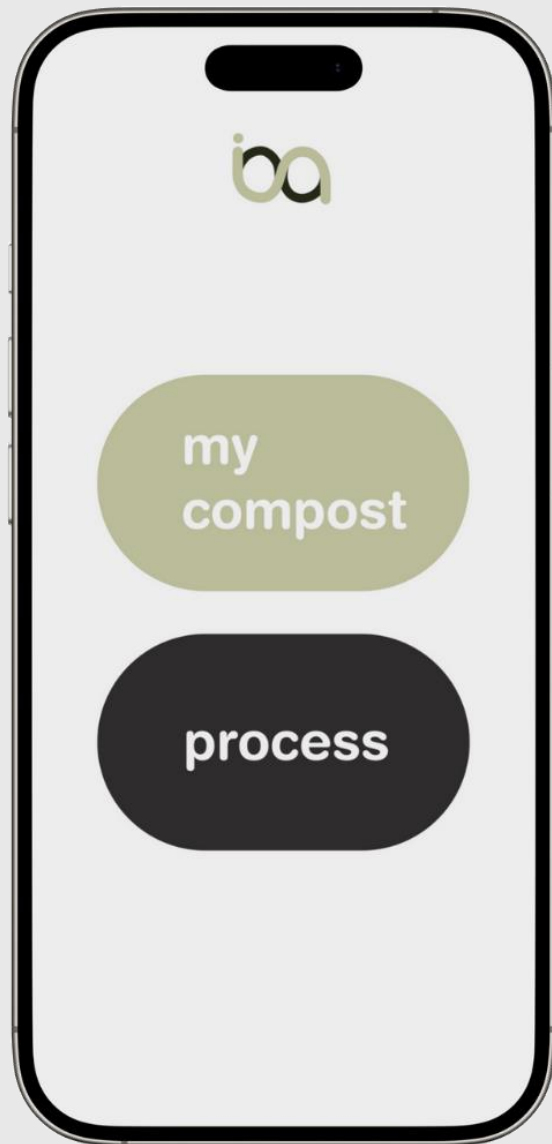






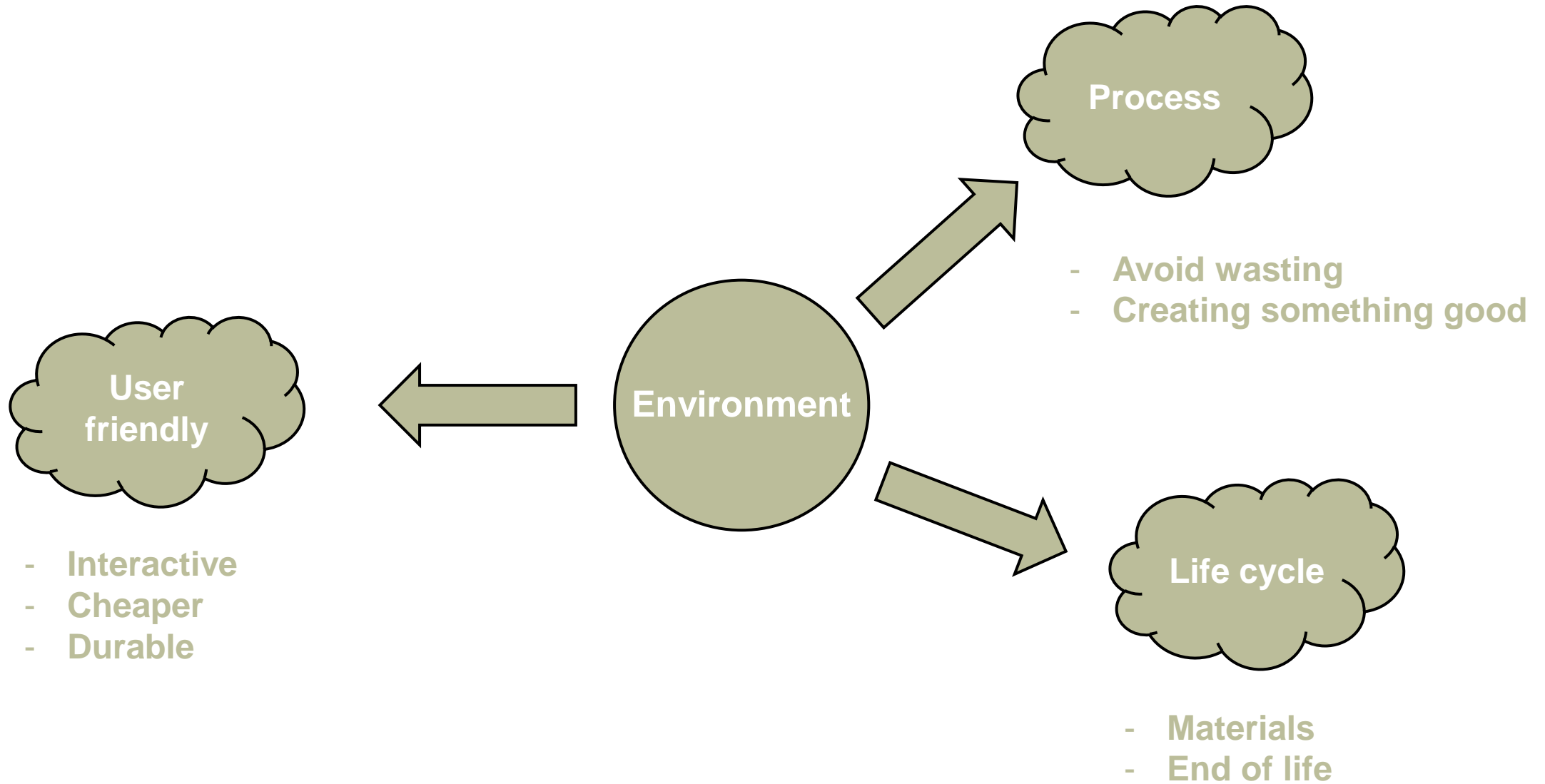
The APP







Sustainability

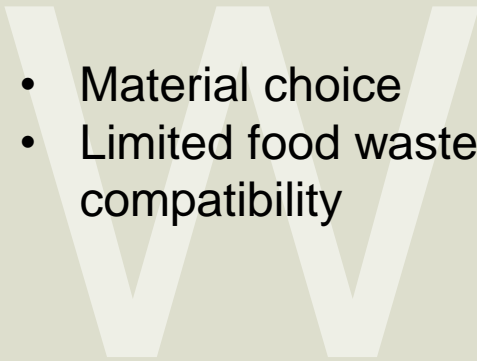


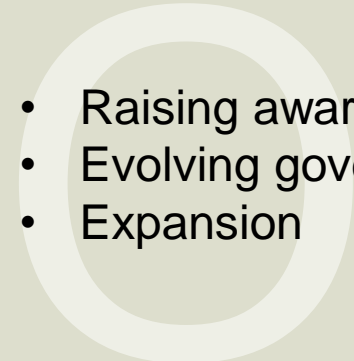
Marketing

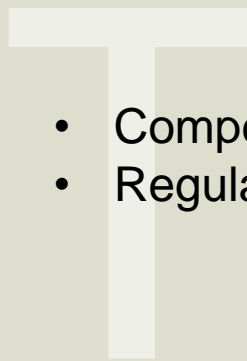


Target
audience

- 
- Innovative design
 - Smart technology
 - Environmentally conscious

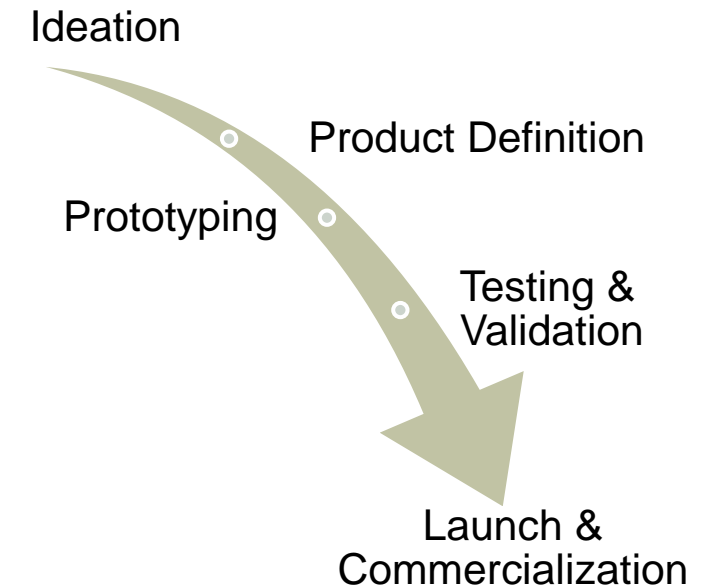
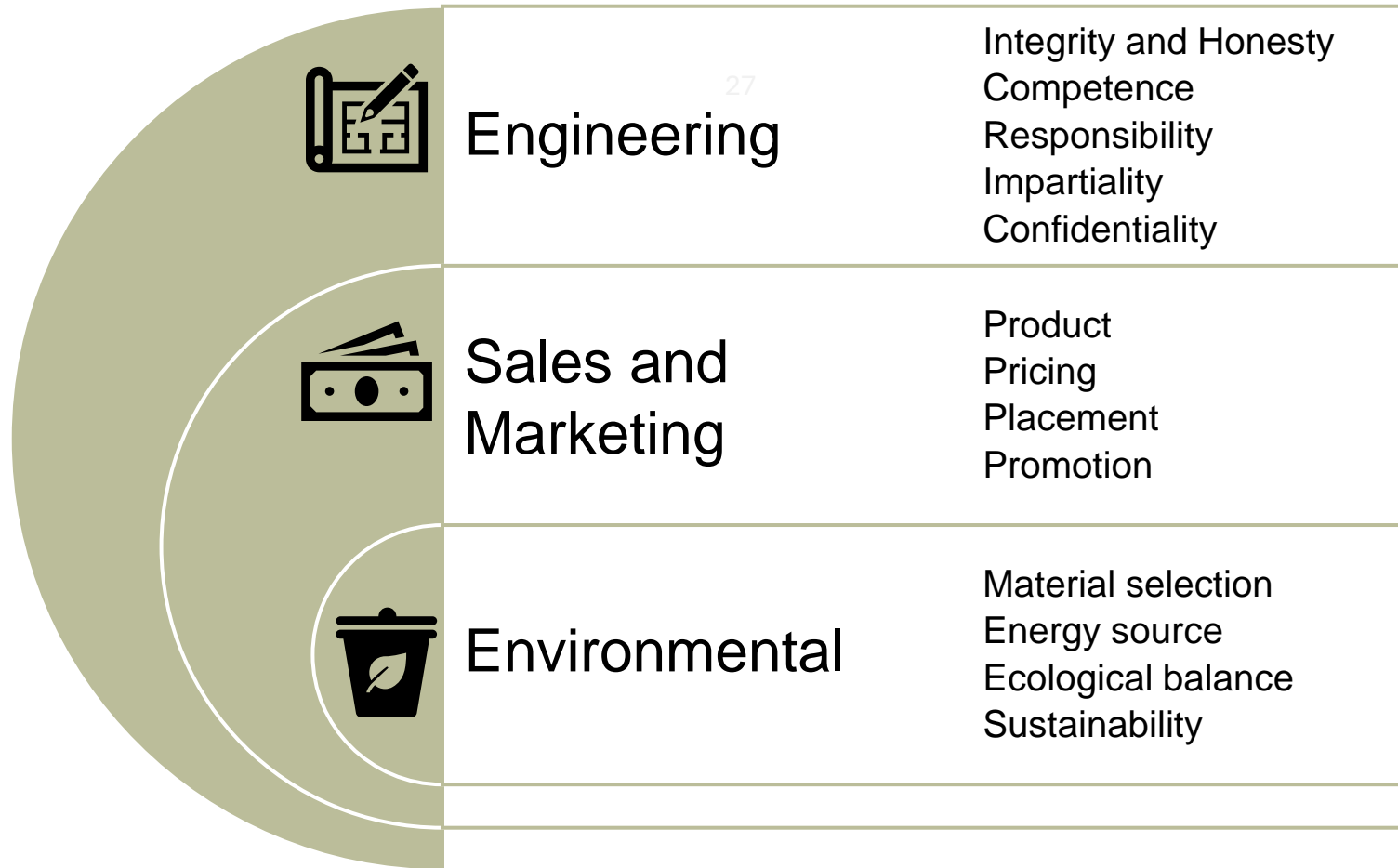
- 
- Material choice
 - Limited food waste compatibility

- 
- Raising awareness
 - Evolving government policies
 - Expansion

- 
- Competition
 - Regulations on plastic use

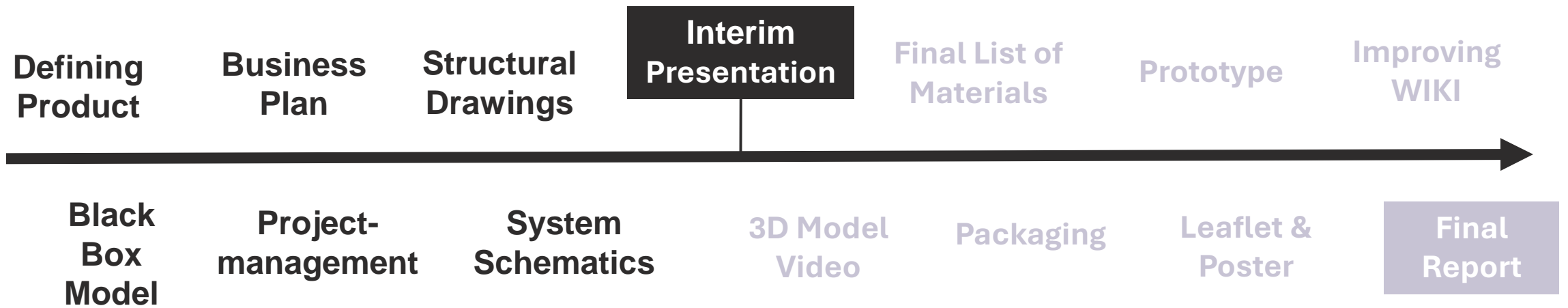


Ethics & Deontology





Milestones & The next steps



Thank you
for your
attention!

leftlovers



ISEP INSTITUTO SUPERIOR
DE ENGENHARIA DO PORTO