Living Lab

Posters

Connected to "Circular Economy"



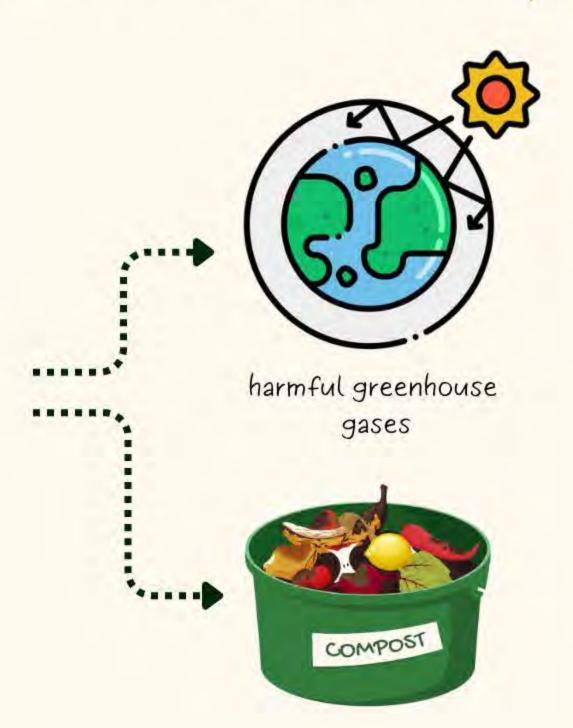


How can we un Wa ted. ?

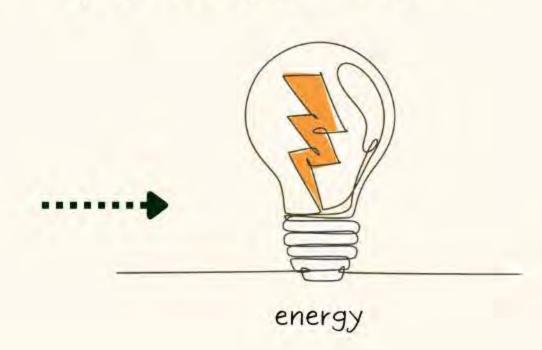
THE ISSUE



food waste



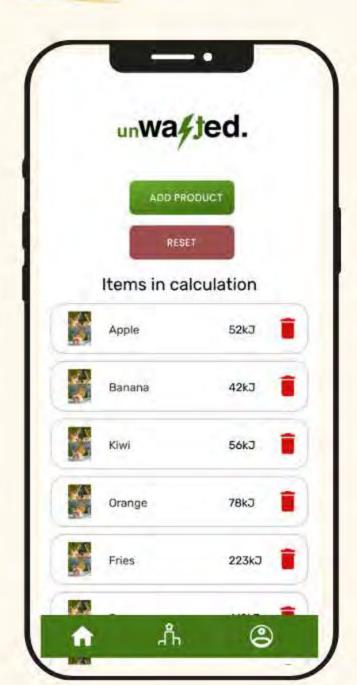
Food waste ends up in landfills, where it produces harmful greenhouse gases. By composting your organic waste, you can produce energy and reduce greenhouse gas emissions

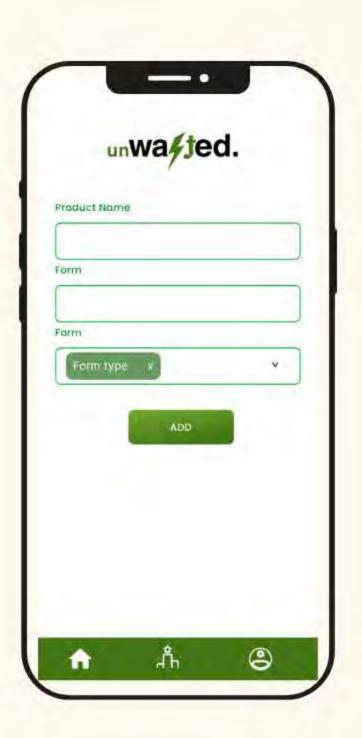


OUR PROPOSAL

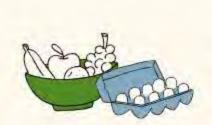






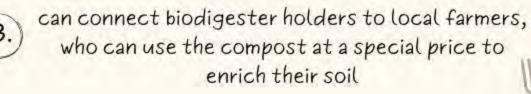


A. producing by giving your organic waste the proper ending.

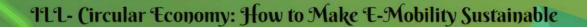












Revving Towards a Greener Future!



Recycle, Reuse, Remanufacture

Unleash the Green Revolution: Revive, Reimagine, Recharge - Embrace the Power of Recycling, Reusing, and Remanufacturing!



50%

Reduced emissions by recycling used batteries of materials in



90%

electric car batteries can be

70%

recycled. Saves in energy consumption by recycling vehicle components

From Vroom to Zoom The **Future of Classics**

Experience the Best of Both Worlds - Classic Elegance with Modern Sustainability. Witness the transformative power of converting classic cars to electric, where timeless beauty meets eco-conscious engineering

Survey says that more than 90% of the people are interested in converting old cars from combustion to electric.









Driving Green, Saving Green -Electric Cars

Discover the Double Win: Driving Green while Saving Green! Electric cars offer more than just eco-friendly transportation with lower fuel costs and reduced maintenance, they prove to be a cost-effective choice for your pocket. Get the bank for your buck. Join the 63.6% of people that said YES when asked if they consider buying an EV.













Governments Empowering E-Mobility!



Governments and Infrastructure Empowering E Mobility! With visionary policies and strategic investments, governments worldwide are paving the way towards a sustainable future. By expanding charging infrastructure, implementing incentives, and fostering

they are accelerating the

Breath of Fresh Air, Smiles Everywhere

Step into a World of Fresh Air and Radiant Smiles - Embrace Electric Mobility's Transformative Power. As electric vehicles silently glide through streets, a wave of positive change sweeps over our communities. Experience the joy of cleaner air, quieter roads, and rejuvenated spirits. **Electric Cars for Healthy Communities!**



Join the Electric Revolution, **Embrace Sustainability**

By embracing the conversion of traditional vehicles to electric power, we unlock a







Team members

It leaves us feeling concerned and opposed to wasteful practices.













We rely on the convenience of purchasing food supplies from the campus canteen and we strive to be mindful of the food waste it generates.

In fact, the lack of communication and information hinders the effectiveness off the correct supply to the students

SOLUTION: CREATETHE MOBILE APP "SQUIRREL"!

Canteen management

It is a simple interface where students can add their food preferences, which will be sent to the canteen to help manage stocks.

- Students decide on their food choices from one week in advance.
- Discounts are given on sandwiches that have not been sold the day before
- Choose your pick-up time



A way to inform

We try to be mindful of the food waste it generates. In addition, lack of communication and information hinders the efficiency of the correct provisioning of students. For this reason, we intend to create an Instagram account in addition to the app as an information gathering point.





comments are filtred while the app centralizes the most mentioned problems, to simplify the Interaction between citizens and city officials



equiped with a self-learning technology











EU DRES

CHALLENGE ILL 8

Build and strenghten communities in the public space.





Research

The first step was to understand the project for that, we did desk research. Thanks to our research, we choose to focus on 2 target groups: young & old people.



Define need of our target

We made 2 surveys

- Youngsters
- Elderly

- Cooking
- Lack of intergenerational communication



1/month





Create a space for youngsters and the elderly to meet once a month to cook together and share a meal. Both generations can exchange knowledge and advice. They can also teach each other skills like the usage technology or





- Name: mix&meet
- shared space with open kitchen
- enough sitting space
- Everyone brings ingredients
- organised by group of motivated youngsters and elders
- around 15 people



cooking.



Added value

Intergenerational

Knowledge exchange

Promotes healthy eating

Combat social isolation

Bridge technology gap

connection

Foster cultural







Futures skills developped?

Communication Time-Efficiency Organization

Design framework support

The framework helped us develop our idea step-by-step from comprehension of the challenge to the details of our final idea

Next steps?

- Make a brochure
- Make a web site
- Make a resume



GREEN ROOF PROJECT

From I Living Lab 10

SHIM STAHM

Green roof projects, also known as living roofs or vegetative roofs, involve the installation of plants and vegetation on the roofs of buildings. Here are some interesting facts about green roof projects:

Ancient roofs

Environmental Benefiting

Green roofs offer numerous environmental benefits. They

help reduce the urban heat island effect by absorbing and

deflecting heat, lower energy consumption by providing

insulation, filter air pollutants, and mitigate stormwater

Add a Green roofs contribute to urban biodiversity by

providing habitats for birds, insects, and other wildlife

that may have been displaced by urban development.

They can serve as stepping stones for species movement

runoff by retaining and slowly releasing rainwater.

Urban Biodiversity



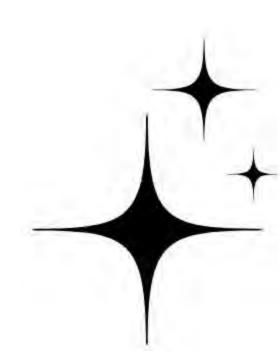
Green roofs have been around for centuries. They can be traced back to the Hanging Gardens of Babylon, one of the Seven Wonders of the Ancient World, which was built around 600 BCE.



Economy Advantages

Green roofs can increase property values by enhancing the desirability and marketability of buildings. They also contribute to job creation in various sectors, such as horticulture, landscape architecture, and roof installation and maintenance.

Aesthetics and Community Beliefs



Green roofs enhance the visual appeal of buildings and create inviting green spaces in urban areas. They provide opportunities for recreational activities, urban farming, and social gatherings, improving the overall well-being and quality of life for residents.

Energy Efficiency



The thermal insulation provided by green roofs helps regulate indoor temperatures, reducing the need for heating and cooling. This energy efficiency can lead to cost savings on utility bills and a smaller carbon footprint for buildings.

CASE STUDY

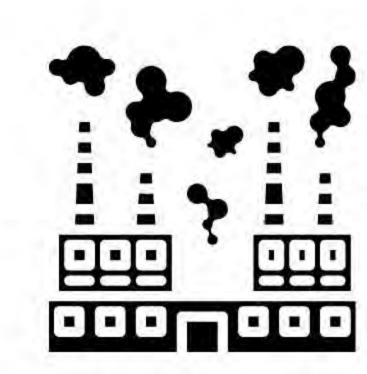
The current study is focused on Riyadh, KSA. It is located in the eastern part of the central region, which lies in the middle of KSA, as shown in. The city is the capital of the country and is considered to be one of the fast-developing cities in the world.

This study focuses on highlighting the major effects and challenges being faced in the implementation of the green roof technique in Riyadh, Saudi Arabia. Green roofs have proven to be energy efficient, environment friendly, and economical in a long run. Due to the increasing global environment temperature, it has become necessary to implement such sustainable methods that help in the achievement of urban sustainability.

At the end of the survey, two important supplementary questions were posed to the respondents. The first question aimed to determine their willingness to install green roofs on their houses, while the second question sought their opinion on recommending this system to others. The findings, as depicted in Charts, revealed an intriguing response.

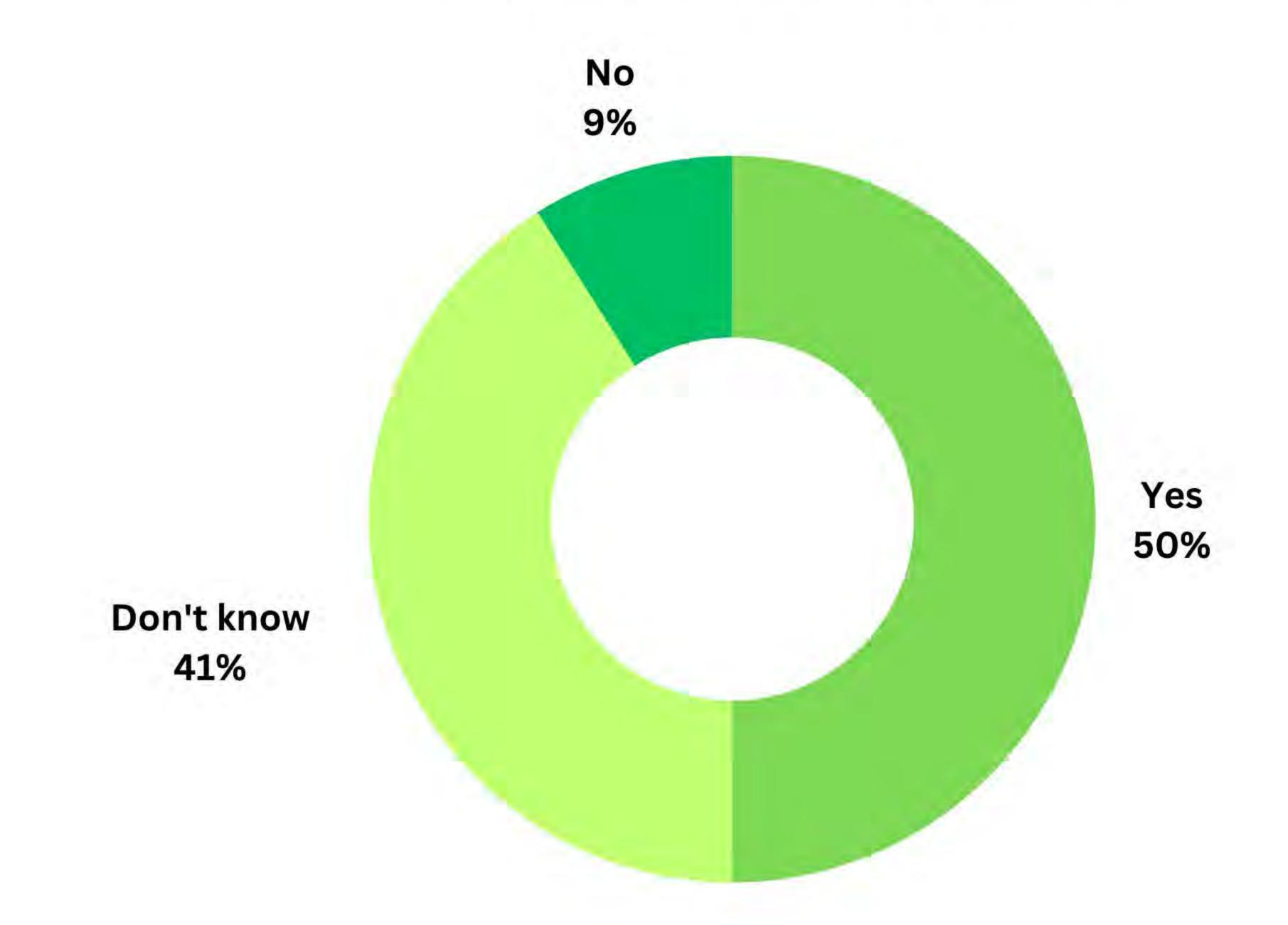
Improved Air Quality

in an urban landscape.bit of body text

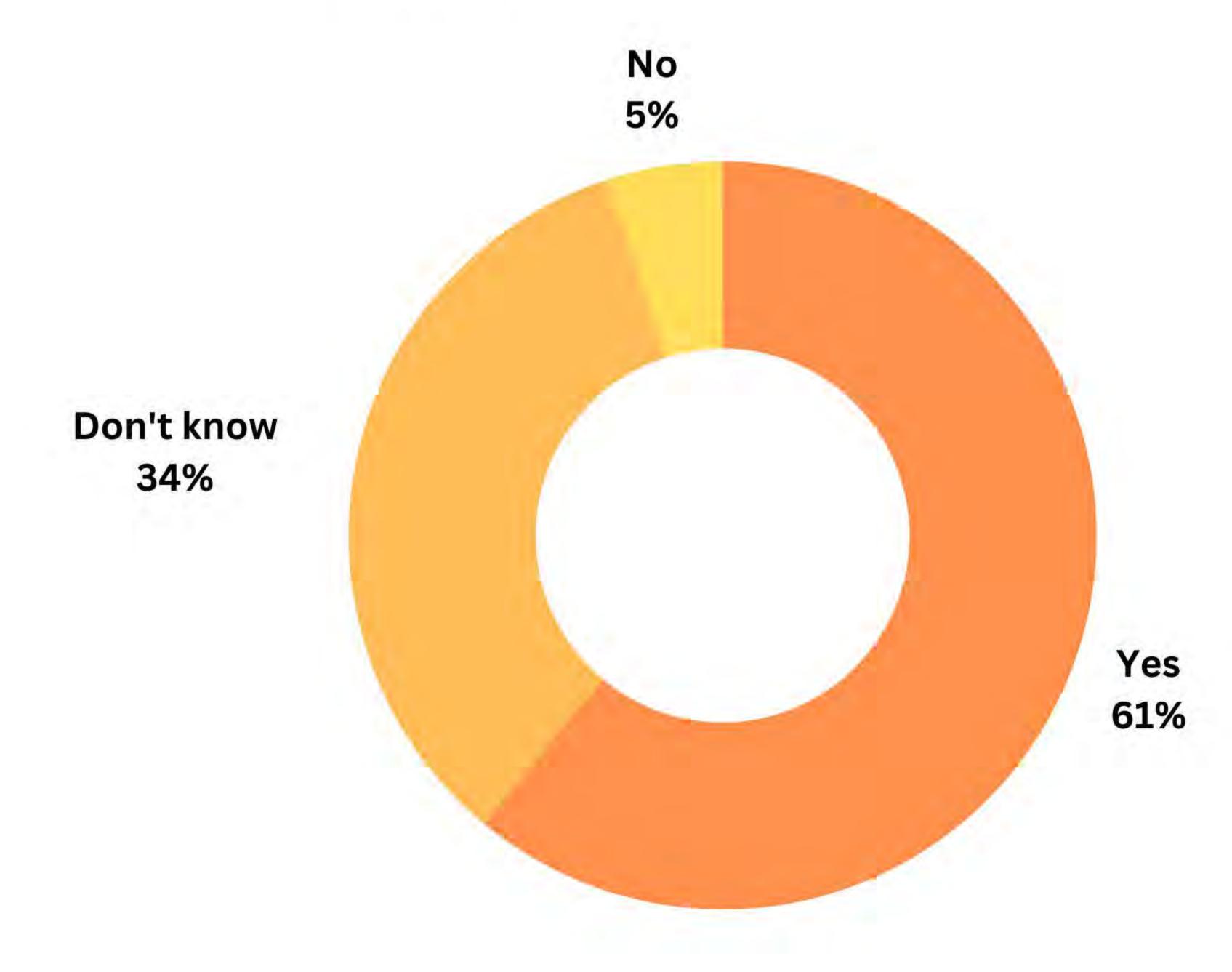


Plants on green roofs capture airborne pollutants such as carbon dioxide and particulate matter, thus improving air quality. They also absorb and filter harmful gases, such as nitrogen dioxide, reducing their impact on human health.

Willingnes on Installing Greenroof



Recommending others to Install Greenroof

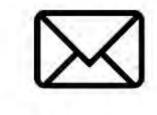


Noise Reduction



Vegetation on green roofs acts as a natural sound insulator, reducing noise pollution from the surrounding environment. They can help muffle sounds from traffic, airports, and other sources, creating a quieter and more peaceful atmosphere.

How to Learn More:



Example@gmail.com



www.ourwebsite.com



+36 123456789



MALLI

Easy access of high quality clothes made from hemp that give our customers an eco-friendly experience.

Idea

An application that offers a capsule wardrobe made by hemp with biodegradable packaging, with recycled clothes and that also provides some advice on how to combine clothes of the wardrobe with different occasions like a fashion shoot boot.



Design Thinking Strategy

Our design process was as follows:

Definition of our material (hemp);



- Mission and Target audience;
- Business Conception and Model.

What is innovative and different in our app?

In our application it is possible to access the life cycle of the piece that the consumer wants to buy and the packaging is biodegradable, so it helps to reduce the ecological footprint. Furthermore, the material of the clothes is sustainable and we also have an AI project that processes all the consumer's questions and helps to answer with more speed and quality.

Business Conception



App's Prototype







If you want to see the whole app's prototype, please scan this QR Code.

main

This is the

prototype.



Authors and institutions:









Francisco Lobita





UCLL



MATE





MAY 202

HOW CAN WE PRODUCE HEALTHIER FOOD WITH MICROALGAE AS A SUSTAINABLE RESOURCE?

EUDRES

OUR CHALLENGE

IN PARTNERSHIP WITH AN ASSOCIATION OF WINE GROWERS:

AGROWASTE REPRESENTS A SIGNIFICANT
CHALLENGE FOR LARGE WINE PRODUCERS. THE
OBJECTIVE IS TO PRODUCE MICROALGAE FROM
AGROWASTE, AND USE THEM AS THE MAIN ELEMENT
IN A FOOD PRODUCT, A SUSTAINABLE PROTEIN BAR!

I LIVING LAB - 14

OUR SOLUTION

USE GRAPES POMACE TO PRODUCE
MICROALGAE

CREATION OF AN ECOLOGICAL PRODUCT
BASED ON MICROALGAE AND RICH IN
PROTEINS, PHENOLIC COMPOUNDS, AMINO
ACIDS, VITAMINS AND MINERALS

ECOLOGICAL PRODUCT: THE MANUFACTURE OF THE PRODUCT, ITS PACKAGING, TRANSPORT, USE AND RECYCLING ARE ENVIRONMENTALLY FRIENDLY



BENEFITS

FOR THE WINE PRODUCER:

-VALORISATION OF THE GRAPES POMACE
INSTEAD OF BURN IT
-DEVELOPING A CIRCULAR ECONOMY THAT
VALORISES WASTE IN A SHORT CIRCUIT

FOR THE CUSTOMER:

-HIGH PROTEIN PRODUCT
-EASY-TO-USE PRODUCT

THE SKILLS DEVELOPED
BY THE TEAM:
COMMUNICATION, WORKING IN
AN INTERNATIONAL TEAM,
INNOVATION AND GET OUT OF
FOR OUR COMFORT ZONE





Adèle Raymond
CONNECTOR





Asir Fahim
PLANNER





loan Bobon
DESIGNER





Ricardo Costa

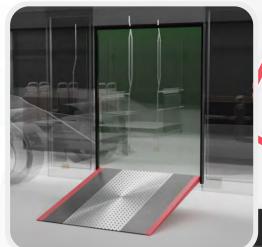




Simon Bácskay

SUB →RESSURA→

HOW TO BRING QUALITY TO YOUR BUS EXPERIENCE



I The Problem

Currently, driving the bus isn't a pleasant experience most of the time. The seats are uncomfortable, there is no space for your luggage or bike, and it often feels like a waste of time to take the bus.



Improving the Bus

Automatic Ticket Scan

A new ticket system that scans tickets automatically. No more searching for your ticket or phone while your hands are full of bags.

Easier Entrance

To provide a service for everyone, the buses are designed with minimal height difference, and the doors are equipped with automatic ramps.

Bike Racks

There are bike racks available on the outside or additional space on the inside to securely store your bike during the journey.

Improving the Seats

More Comfort

The seats are now softer, offer improved back support, and are provided with comfortable headrests.

Storage

You can conveniently pull out a tray located under the seat to securely store your belongings underneath you.

Power outlets

Each seat is equipped with one power outlet and two USB sockets, allowing you to conveniently charge your phone or other electronic devices.

Tables

Every seat will be equipped with a table, lights for reading or working, a fold-out coat hook and even a wireless charging spot for your devices.



The Sub Pressura Team

















Contact us: reallyincredibleverycoolemail@gmail.com

I Future Steps

We are looking into developing an app to enhance your travel planning **experience**. Additionally, we are researching and working towards introducing autonomous buses to provide even greater independence in public transportation and are planning to redesign the bus stops to make your overall experience even better.

