

# Eco-Neighbours

Join the Green Challenge: Compete, Connect, Conserve!



# Index

01

Welcome to Eco-Neighbours!

02

Related apps/services/systems

03

Questionnaire Highlights

04

PACT analysis

05

Personas

06

Functionalities

# Welcome to Eco-neighbours!

Eco-neighbours is an innovative app that transforms sustainability into a fun and competitive experience for communities. Engage with your neighbors in various eco-friendly challenges and complete green tasks, all while earning points for your efforts.

Track your sustainability score and see who can claim the title of "Most Sustainable Home." Share tips and celebrate your community's achievements as you work together for a greener future.



## Related apps/services/systems



App that educates and mobilizes your people to take action toward your company's sustainability goals.



App where you get rewarded for saving energy.



Mobile app that shows you how much energy your home and individual devices are consuming in real time. It helps you find ways to save money and reduce your carbon footprint, by offering personalized insights



Home Energy Monitoring System that works with utilities and smart devices to provide users with information on their energy usage, track trends, and reduce energy consumption.

# Questionnaire Highlights

**Who:** Users interested in energy conservation, including homeowners, renters, and community members of various age groups.

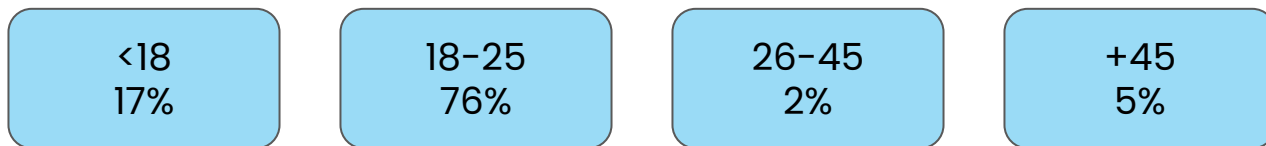
**How:** Participants provided feedback through a structured questionnaire focusing on energy consumption awareness, participation in challenges, and comparison features with neighbors.

**How Many:** A total of 42 respondents participated in the questionnaire, providing valuable insights into user preferences and behaviors regarding energy usage.



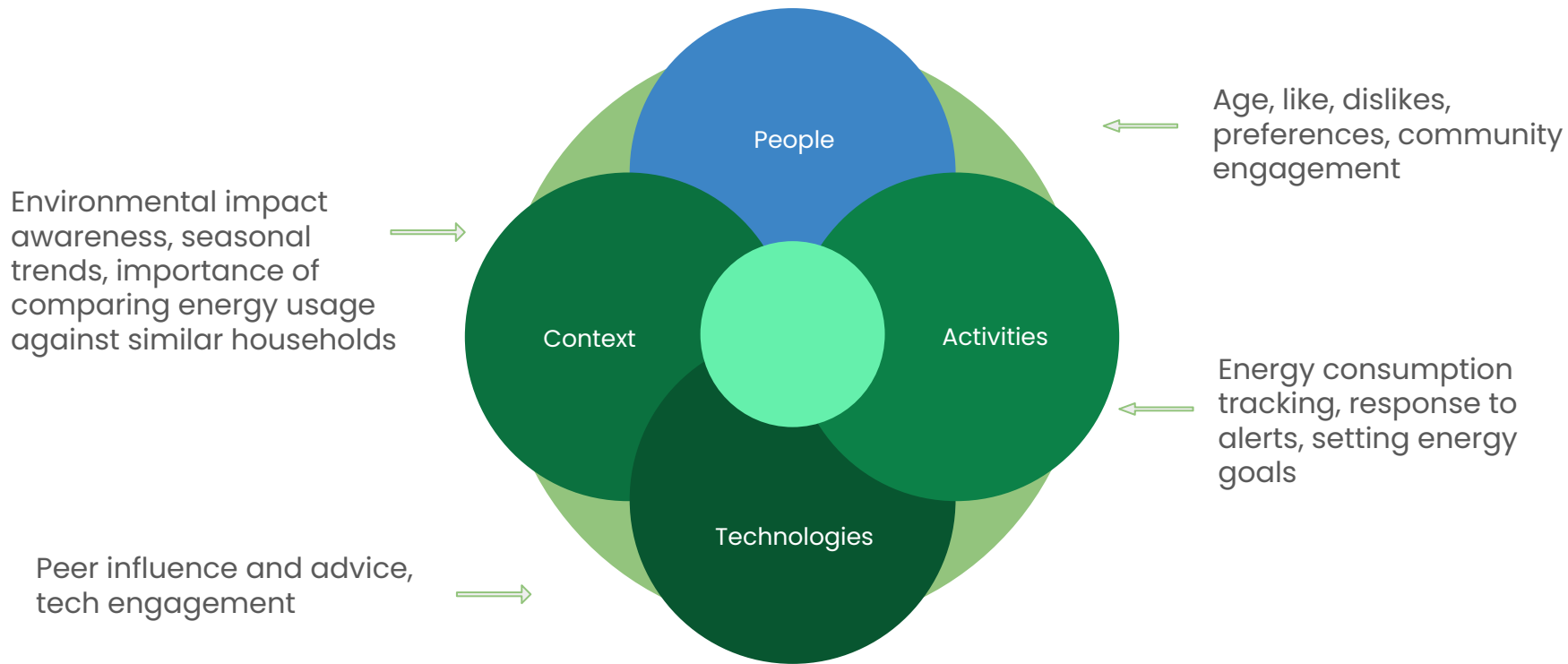
# Questionnaire Highlights

Percentages of age groups in the questionnaire



- Under 18: Less aware of energy consumption but attracted to gamified experiences.
- 18-25: Moderately aware, often in transition (moving out, starting work/college); interested in energy-saving challenges with social and tangible rewards.
- 26-45: Likely homeowners, conscious of energy use for financial and environmental reasons; value data insights and neighbor comparisons.
- Over 45: Less tech-engaged, focused on financial and environmental impact; prefer peer comparisons and neighborhood challenges.

# PACT analysis



# Jakub Kowalski



*"Why not find better ways to manage what we've got?"*

**Age:** 25

**Education:** Vocational School Degree

**Occupation:** Electrician

**Family:** Two toddler brothers

**Location:** Kraków, Poland

**Tech proficiency:** Average

**Archetype:** Hands-on Problem Solver

Pragmatic

Frugal

Resourceful

## Narrative/Lifestyle:

Jakub leads a practical life, taking pride in managing his household hands-on. Since his brothers were born, he's become more connected to his neighborhood and enjoys engaging in community energy-saving challenges with them. Jakub values spending time with his brothers, whether on trips or working on home projects. Conscious about money, he prefers cutting expenses through small changes. He's particularly interested in tools that help him compare his energy usage to neighbors and respond to high consumption alerts, as it helps him stay on budget and connect with both his brothers and the community.

## Objectives/Needs:

- Reduce electricity and heating bills to maintain financial independence.
- Simple, easy-to-use tools for daily energy management.
- A clear view of home energy use for better decision-making.
- Teach his brothers about conserving resources.
- Connect his family with the neighborhood.

## Frustrations/Pain Points:

- High winter utility bills with reluctance to spend upfront to fix them.
- Dislike for overly complex tech.
- Frustration when energy cuts don't lead to noticeable savings.
- Difficulty finding low-cost, practical energy-saving tips.



## Activity Scenario

After a long day at work, Jakub sits down with a cup of tea and opens **EcoNeighbour** on his phone. He's curious about how his household's energy consumption compares to others in the area. He's surprised to see that his home is using more electricity than his neighbors, especially during the evening. The app recommends turning off unnecessary lights and setting timers for electronic devices. Jakub decides to give it a try, showing his younger brothers how they can help by turning off lights and gadgets when not in use. Over the next few days, Jakub monitors the app and starts noticing a drop in energy usage, which motivates him to keep refining his habits.

# Functionalities

- Challenges and Competitions
- Educational Resources
- Notifications and Alerts
- Rewards and Recognition
- Energy Usage Tracking



# Eco-Neighbours

## **Class 5, Group 2**

Alicja Finger- [up202402494@up.pt](mailto:up202402494@up.pt)

Bernardo Costa- [up202207579@up.pt](mailto:up202207579@up.pt)

Diana Nunes- [up202208247@up.pt](mailto:up202208247@up.pt)

Teresa Mascarenhas- [up202206828@up.pt](mailto:up202206828@up.pt)

