

Lack of Information

- Residents often don't know which plastics are recyclable.

- Information is hidden in long government documents.

- Instructions vary by city and aren't easily accessible.

- Recycling bins rarely include clear visual guides.

Inconsistent Policies

- Different municipalities have different recycling rules.

- Recycling companies use different symbols and standards.

- National recycling guidelines are unclear or outdated.

- Policy changes are not communicated to residents.

Behavioral Challenges

- People throw recyclables in trash when unsure.

- Apartment dwellers lack convenient recycling options.

- Recycling feels inconvenient or time-consuming.

- Residents are unsure how to clean recyclable items properly.

Environmental Impact

- Contaminated recycling leads to landfill overflow.

- Improper sorting increases processing costs.

- Low recycling rates contribute to higher carbon emissions.

- More waste reduces community sustainability goals.

Technology Solutions

- A mobile app could scan items to show if they're recyclable.

- Users could receive local recycling notifications.

- AI image recognition could identify items by photo.

- Gamification could encourage recycling habits.