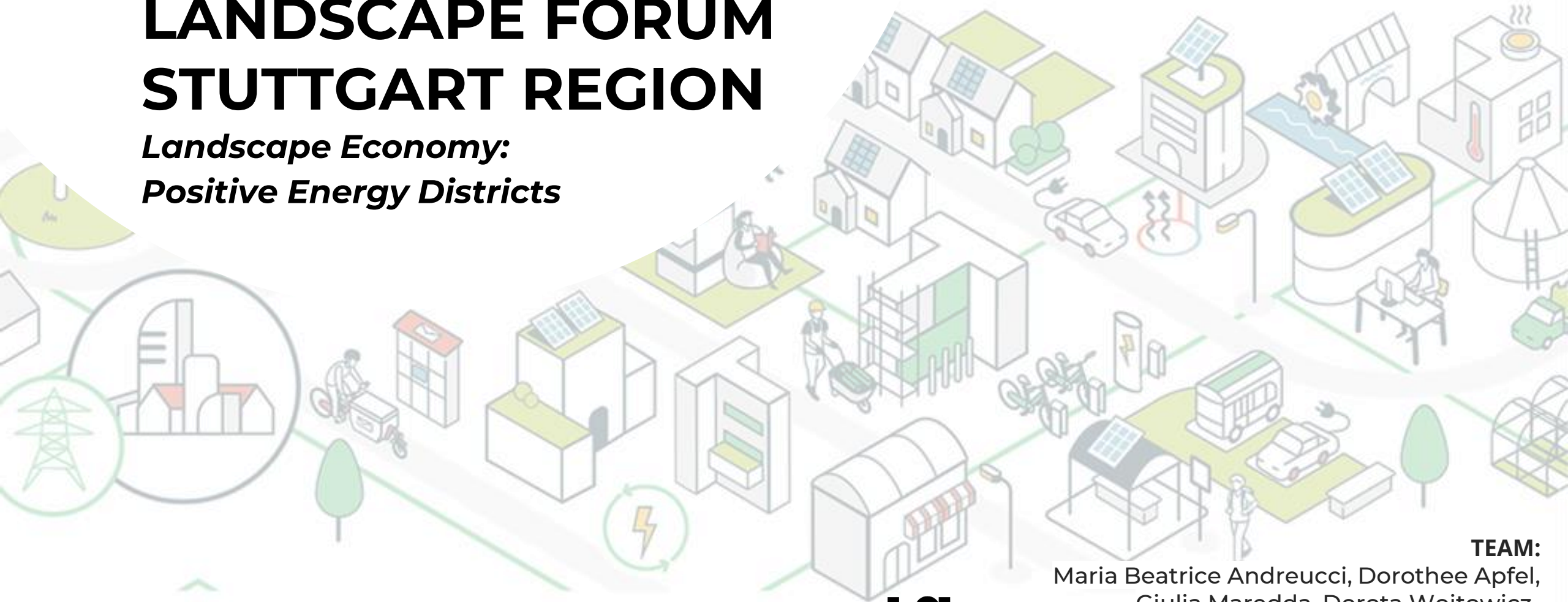


LANDSCAPE FORUM STUTTGART REGION

*Landscape Economy:
Positive Energy Districts*



OUR APPROACH:

**SUGGEST AND PROMOTE POSITIVE
ENERGY DISTRICT PUTTING HUMAN
IN THE CORE**

The process



MEETING with the whole Group



Walk with the **COMMUNITY MEMBERS**



SMELL EXPLORATION



Group **DISCUSSION**



SUMMARY Presentation



Final statements for Improvement



Visiting two **CASE STUDIES** IN TUBINGEN



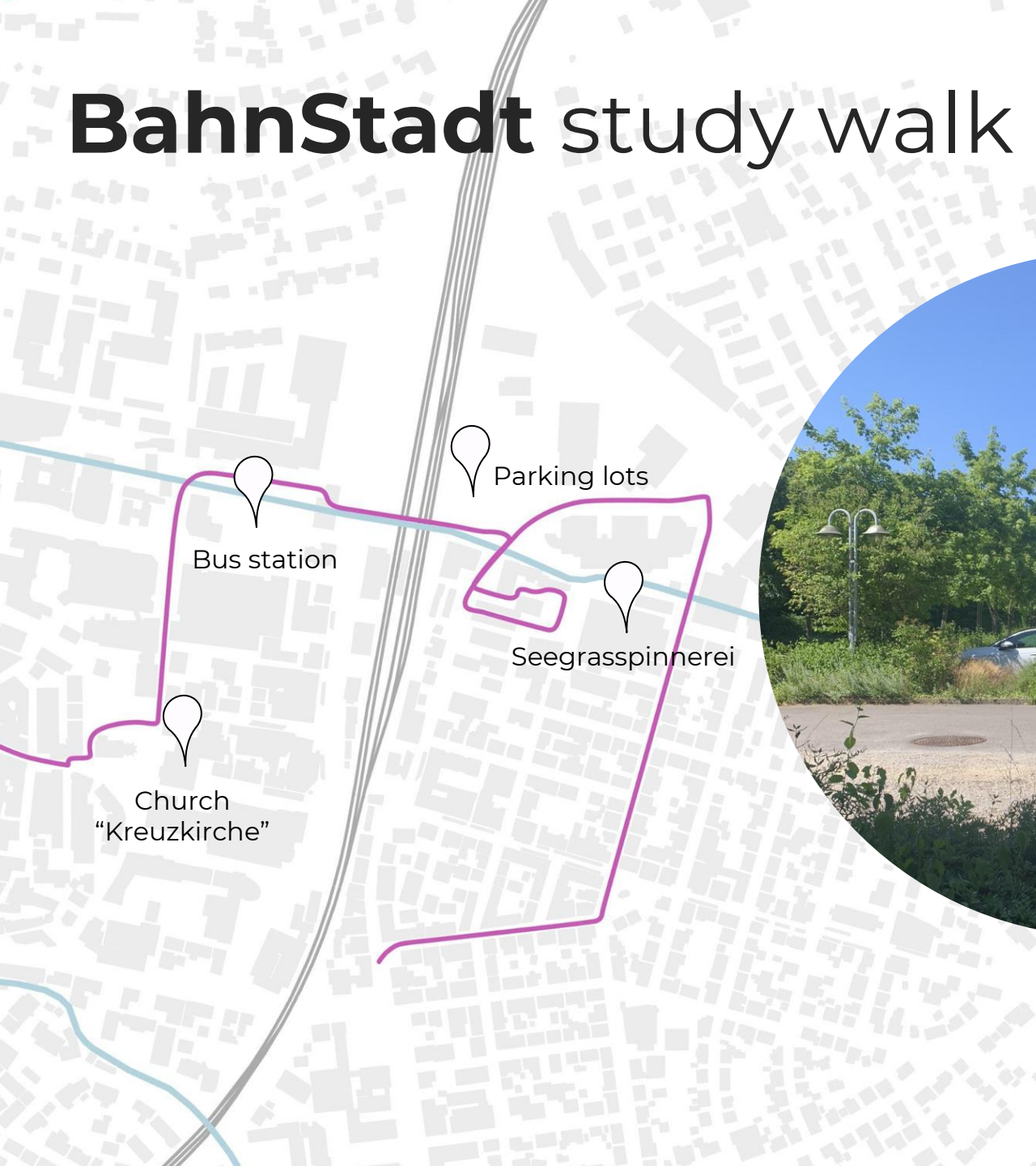
DEFINING OUR PRIORITIES, STRATEGIES AND SOLUTIONS



SWOT ANALYSIS

REVIEW MUNICIPALITY PROJECT FOCUSING ON THEIR PRIORITIES

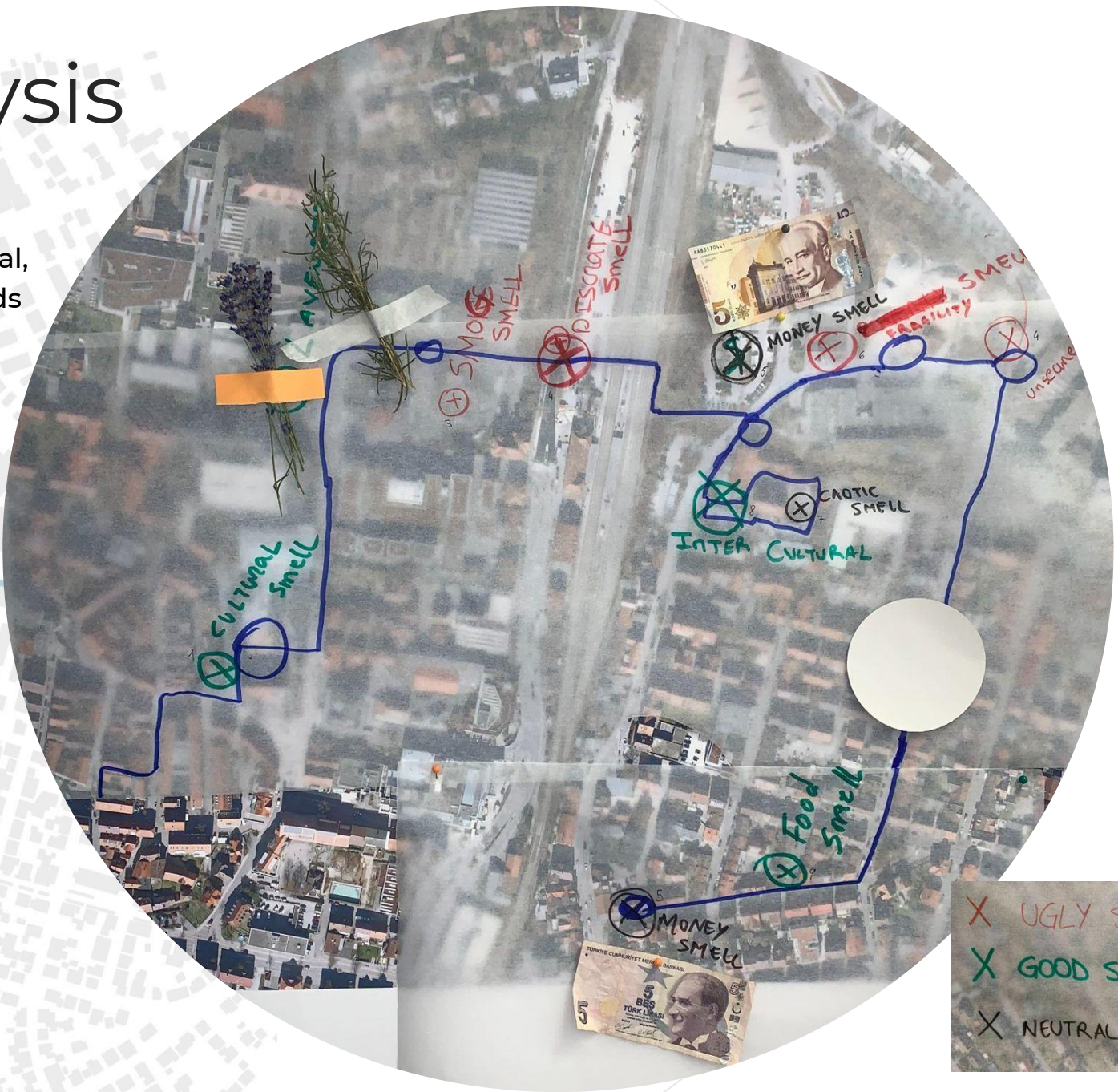
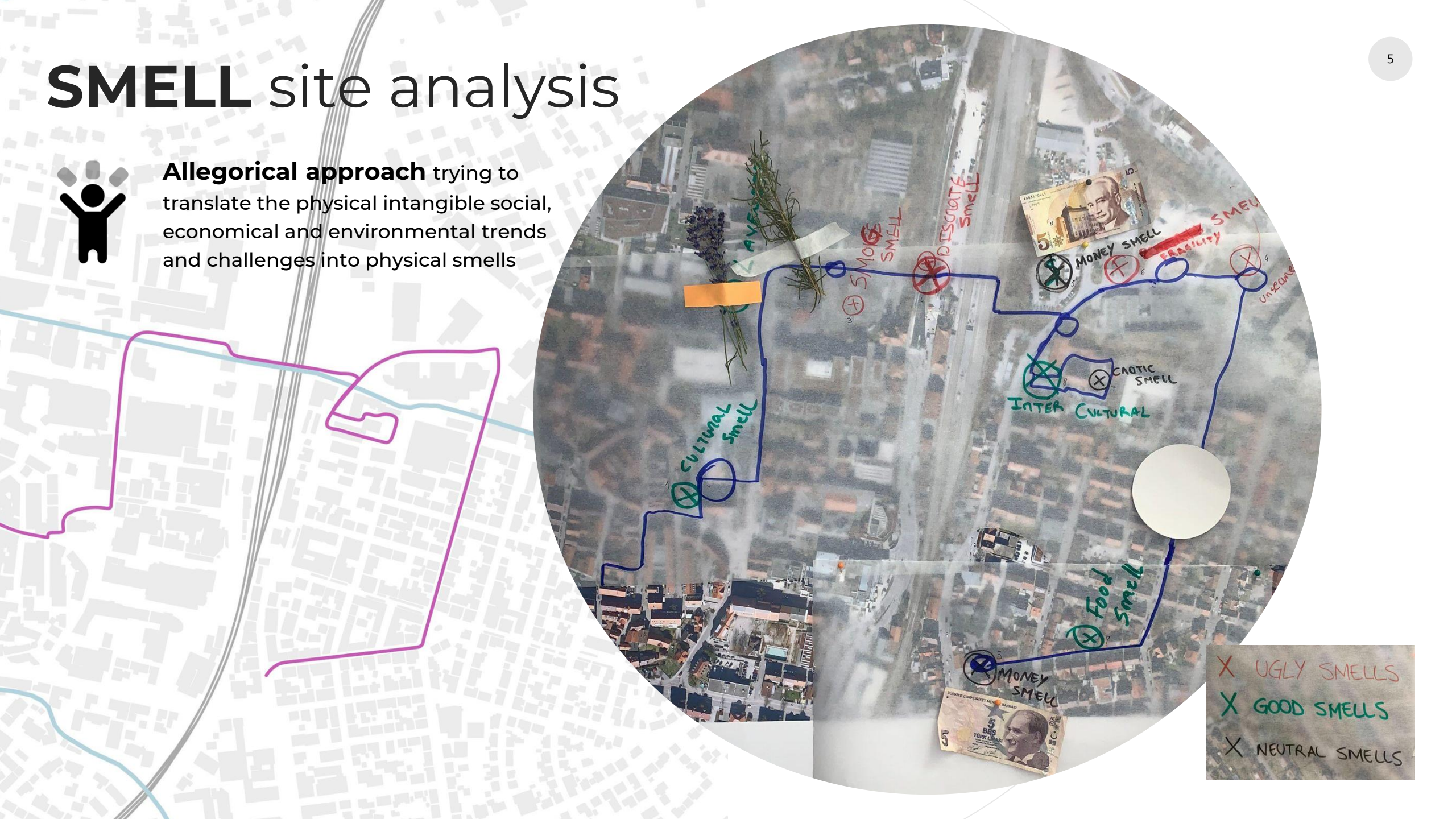
BahnStadt study walk



SMELL site analysis



Allegorical approach trying to translate the physical intangible social, economical and environmental trends and challenges into physical smells

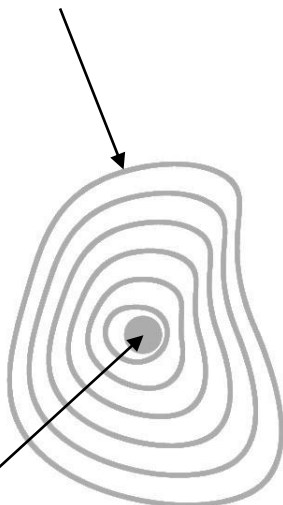


- X UGLY SMELLS
- X GOOD SMELLS
- X NEUTRAL SMELLS

“THE SMELLS”



diffusion = impact of the “smell”



core of the “smell”

BAD SMELLS



- Subuse smell
- Insecurity smell

NEUTRAL SMELLS



- Vulnerability smell
- Caotic smell
- Money smell
- Absence of smells

OUR SMELL MAP



- Good smells**
 - Cultural smell
 - Intercultural smell
 - Neutralizing smell
- Neutral smells**
 - Vulnerability smell
 - Caotic smell
 - Money smell
 - Absence of smells
- Bad smells**
 - Subuse smell
 - Insecurity smell

Community need and Concern



COMMUNITY INTEREST

- **Effective green space**
- **Community Gathering Spaces**
- **Fast (Model Shift) And Various Transportation**
- **Connection To The Other District**
- **Safe Pedestrian And Bike Paths**
- **Housing**

COMMUNITY FEAR AND COMPLAINT

- **Displacement**
- **Natural Disasters (Flood)**
- **Roads And Street Safety**
- **Social Class In Balance**
- **Political Pressure**
- **Value And Identity**
- **Different Urban Political Interest**

HUMAN-CENTERED PED

PRIORITIES



STRATEGIES

for the 'URBAN ENVELOPE'

Applying the INTEGRATED REGENERATIVE DESIGN APPROACH we want to produce positive impact rather than reduce the negative impact - contributing to increase quality of life of people and the environment

- ENERGY TOPIC
- SOCIAL TOPIC
- ECOLOGICAL TOPIC
- MOBILITY TOPIC

DISTRICT SCALE

URBAN GREEN BLUE INFRASTRUCTURE APPROACH

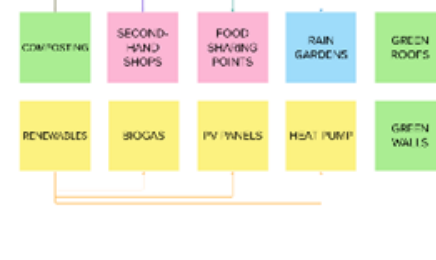
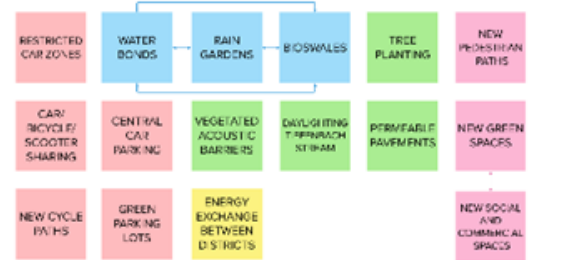


BUILDING SCALE

PEB APPROACH

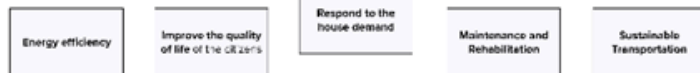


SOLUTIONS



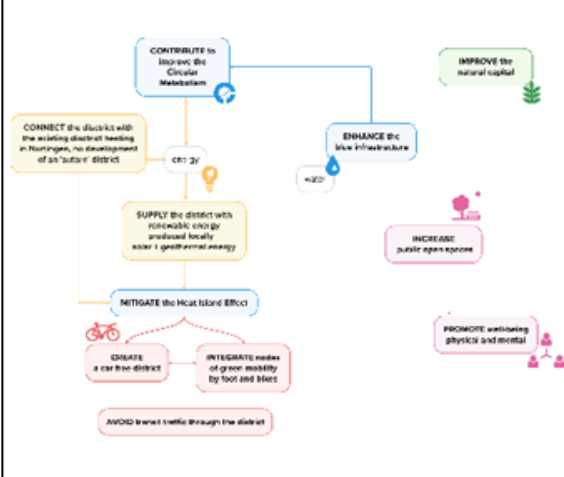
MUNICIPALITY PROJECT

PRIORITIES



STRATEGIES

DISTRICT SCALE



BUILDING SCALE



HUMAN-CENTERED PED

PRIORITIES

**Build an integrated
new Eco-District PED**

**Control
gentrification +
business
development**

**Improve the quality
of life** of the citizens

Increase biodiversity
in the urban built
environment

**Climate adaptation +
Climate mitigation**

MUNICIPALITY PROJECT

PRIORITIES

**Respond to the
house demand**

Energy efficiency

**Improve the quality
of life** of the citizens

**Maintenance and
Rehabilitation**

**Sustainable
Transportation**

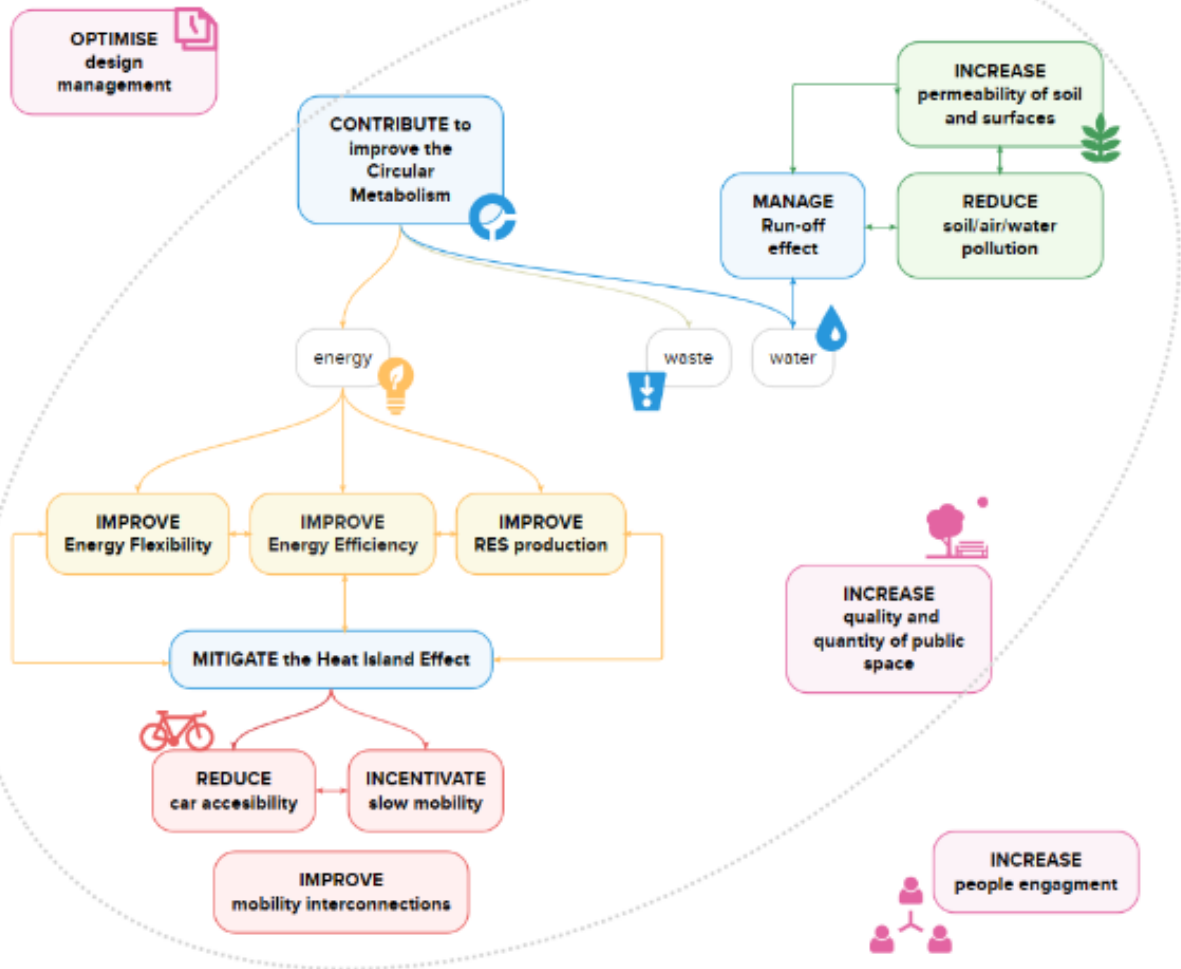
HUMAN-CENTERED PED

STRATEGIES

for the "URBAN ENVELOP"

DISTRICT SCALE

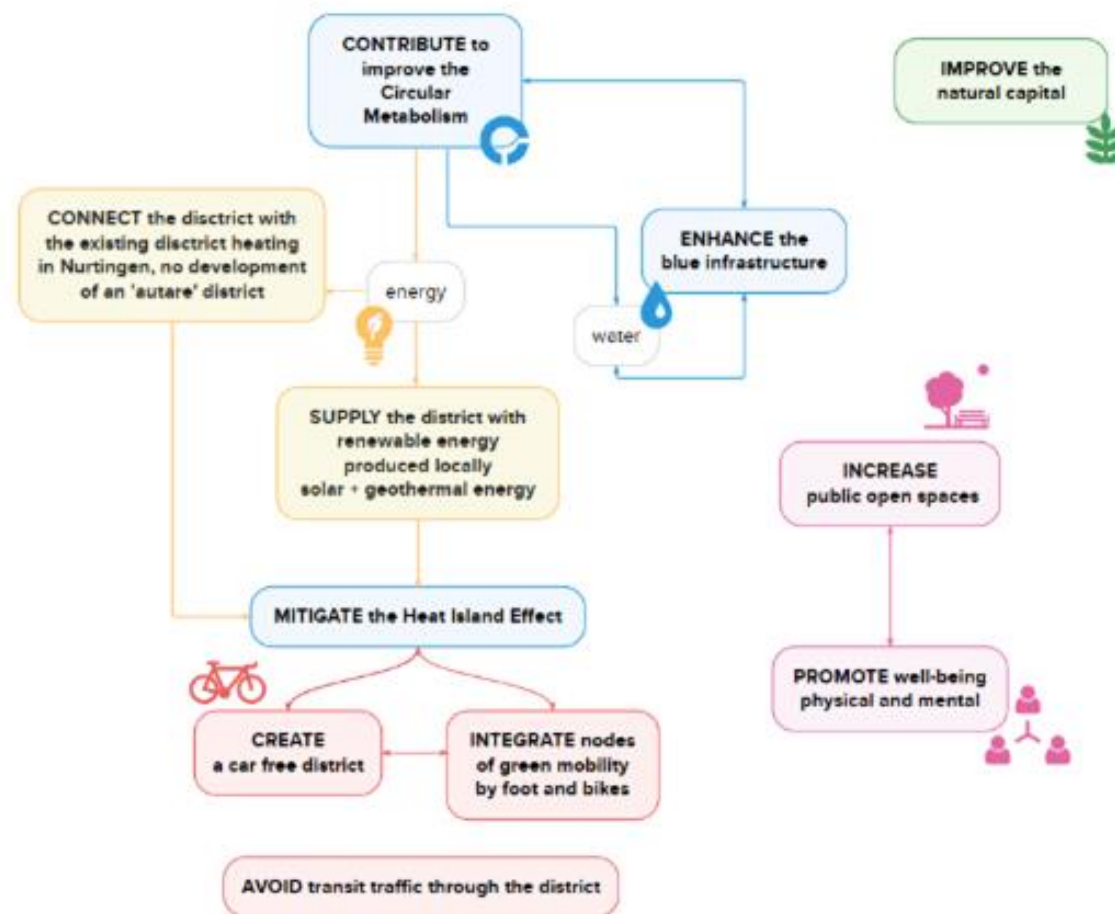
URBAN GREEN BLUE INFRASTRUCTURE APPROACH



MUNICIPALITY PROJECT

STRATEGIES

DISTRICT SCALE



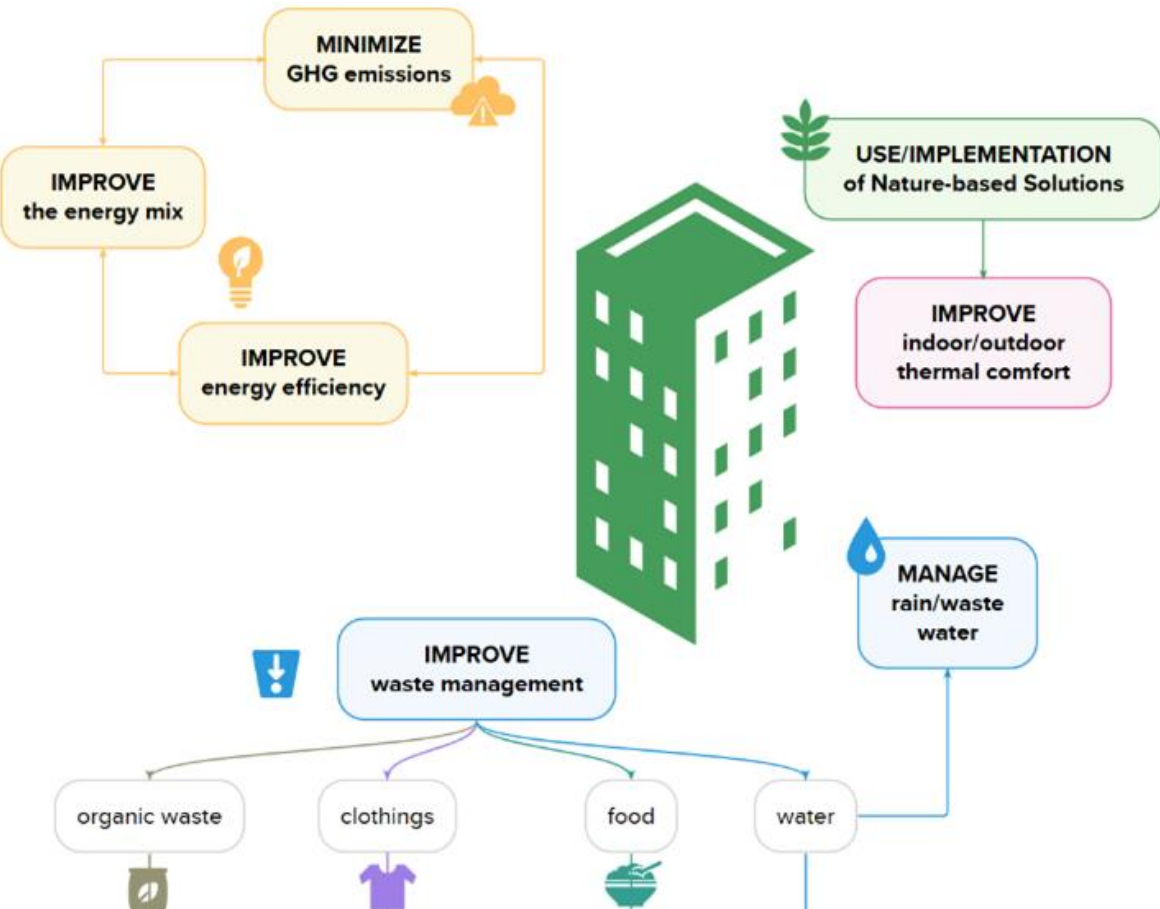
HUMAN-CENTERED PED

STRATEGIES

for the "URBAN ENVELOP"

BUILDING SCALE

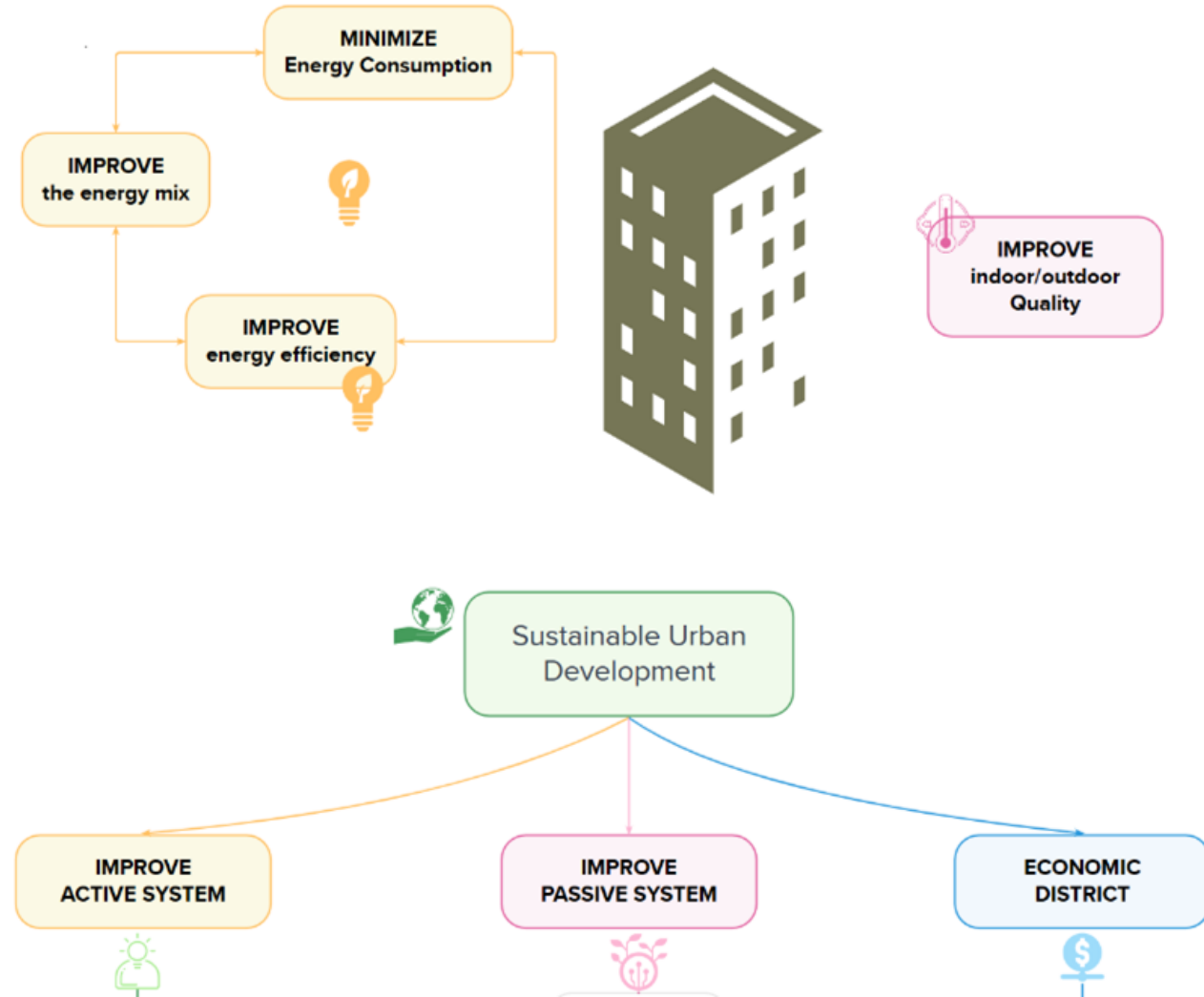
PEB APPROACH



MUNICIPALITY PROJECT

STRATEGIES

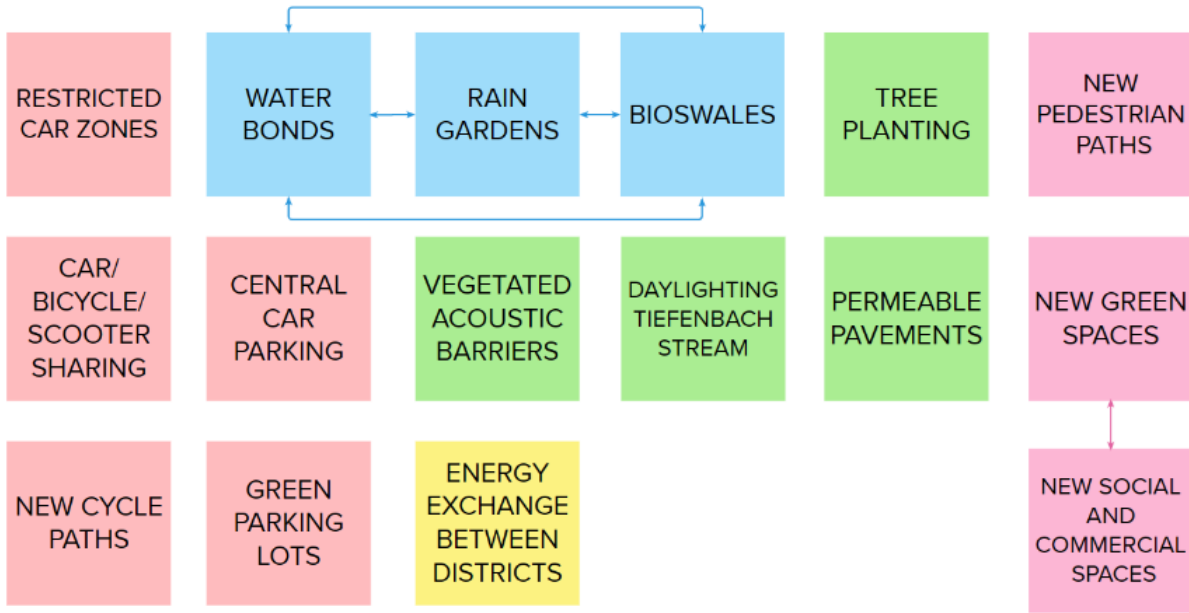
BUILDING SCALE



HUMAN-CENTERED PED

SOLUTIONS

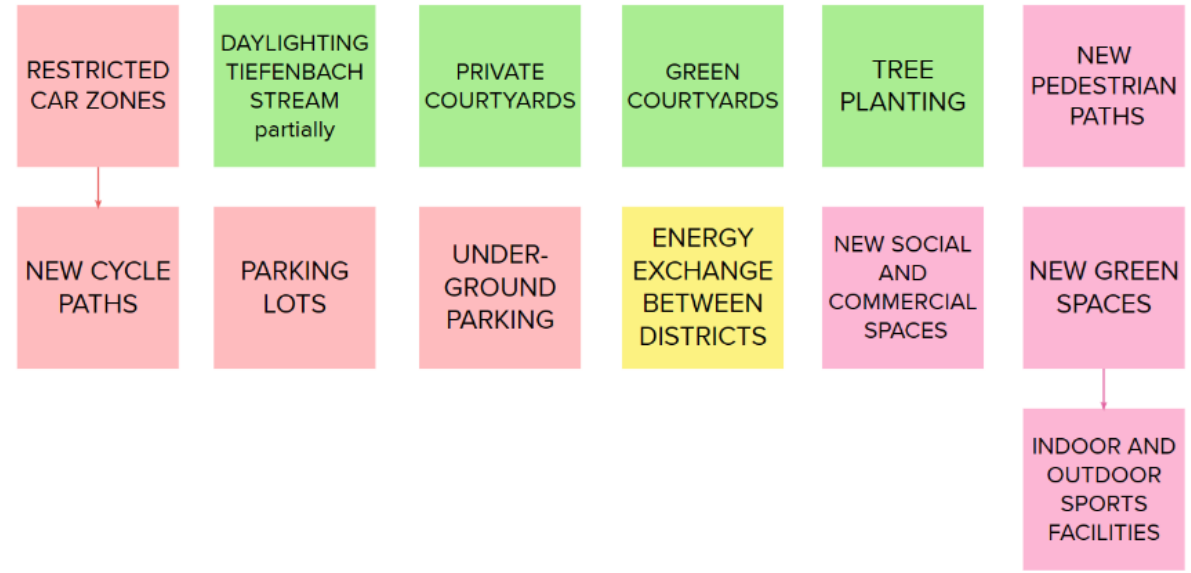
DISTRICT SCALE



MUNICIPALITY PROJECT

SOLUTIONS

DISTRICT SCALE

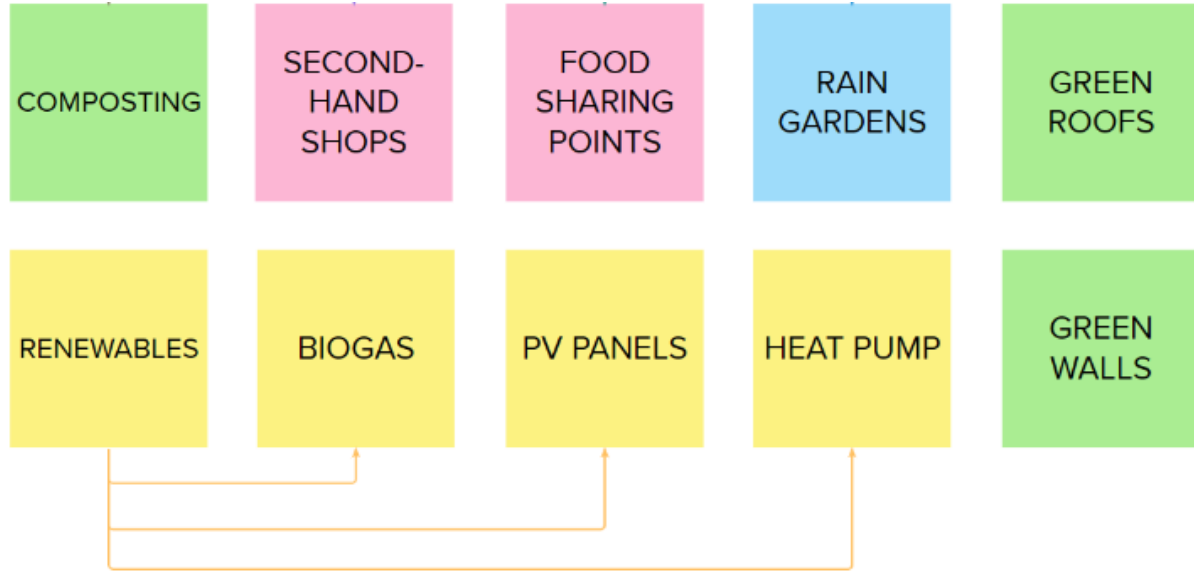


HUMAN-CENTERED PED

SOLUTIONS

BUILDING SCALE

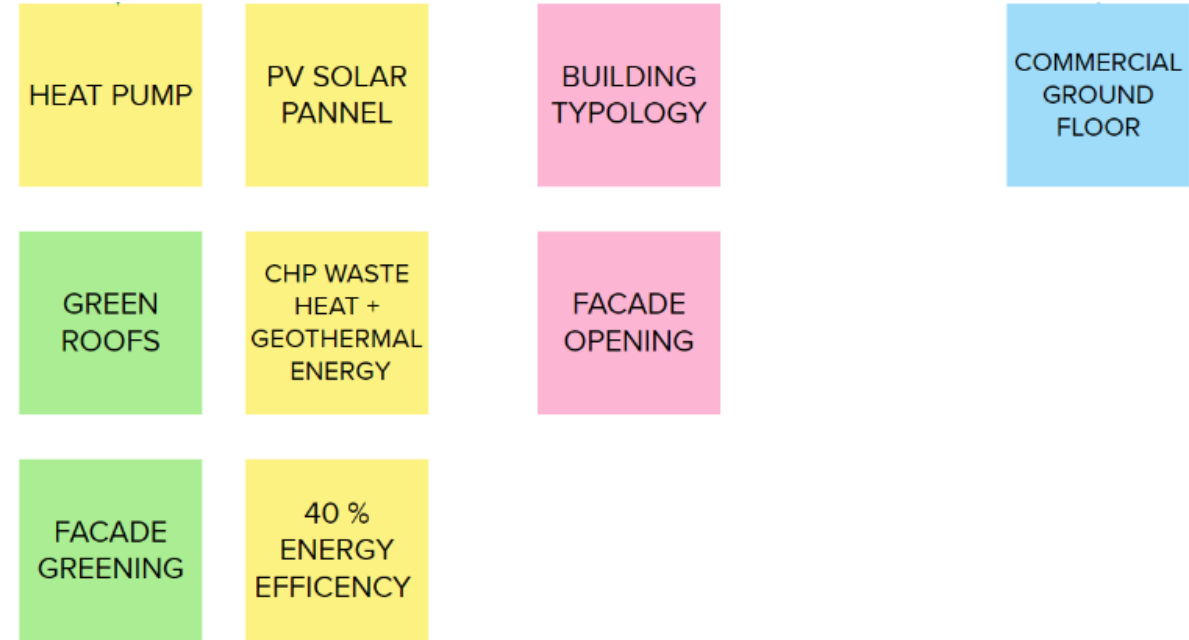
PEB APPROACH



MUNICIPALITY PROJECT

SOLUTIONS

BUILDING SCALE



Our recommendations for Improvement



IMPROVE MOBILITY

MUNICIPALITY PROJECT CONCEPT

- Isolation of bike and pedestrian ways.
- More car-free space.
- Running the road underground, parallel to the railway tracks.

OUR PROPOSAL

- Laying the road at ground level, parallel to the railway tracks.
- Building a bridge that will connect two parts of the city.



Photo: Good practises from the study walk in Tubingen

Our recommendations for Improvement



IMPROVE WATER MANAGEMENT

MUNICIPALITY PROJECT CONCEPT

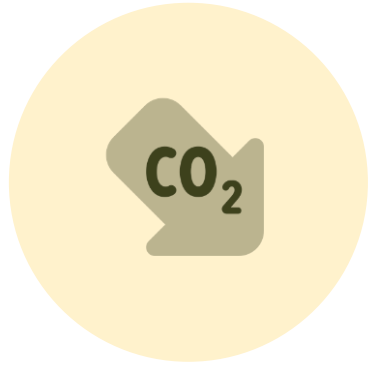
- We don't see solutions related to this.

Photo: Good practises from the study walk in Tübingen



OUR PROPOSAL

- Collect rainwater (dry or wet rain garden or water reservoir).
- Collect grey water for gardening purposes and irrigation.
- Activate biological areas for water collection.
- Create dry streams to manage flooding threats.
- Planting local green species with high capacity accumulate water.



IMPROVE ENERGY EFFICIENCY AND ENERGY PROVISION

MUNICIPALITY PROJECT CONCEPT

- Placing photovoltaic and solar panels on the buildings roofs.
- 40% energy efficiency building.
- Energy mix.

OUR PROPOSAL

- Implementation of geothermal pumps.
- Use of intelligent lighting systems (sensors).
- Provide intelligent ventilation systems for energy saving.
- Use of mechanical ventilation with heat recuperation.
- Production of extra energy that will benefit public buildings in the neighborhood.
- Energy cooperatives business model for shared investment.
- Combination of solar panels on building facades.

Our recommendations for Improvement



REDUCE CARBON FOOTPRINT

MUNICIPALITY PROJECT CONCEPT

- Use of recycled materials.
- Green building facade.
- Green courtyards.

OUR PROPOSAL

- Use of materials produced locally.
- Create more green spaces in between buildings.
- Protect existing trees and greenery.



Photo: Good practises from the study walk in Tubingen

Our recommendations for Improvement



IMPROVE SOCIAL INCLUSION

MUNICIPALITY PROJECT CONCEPT

- Preparing space for some social activity.
- 2 playgrounds.

OUR PROPOSAL

- Community gardens initiatives.
- Straight connection between two sides of the railway dyke.
- Increase the level of safety by providing a lighting system.
- Enhance the tunnel role as a positive experience for users.



Photo: Good practises from the study walk in Tubingen



Icons

