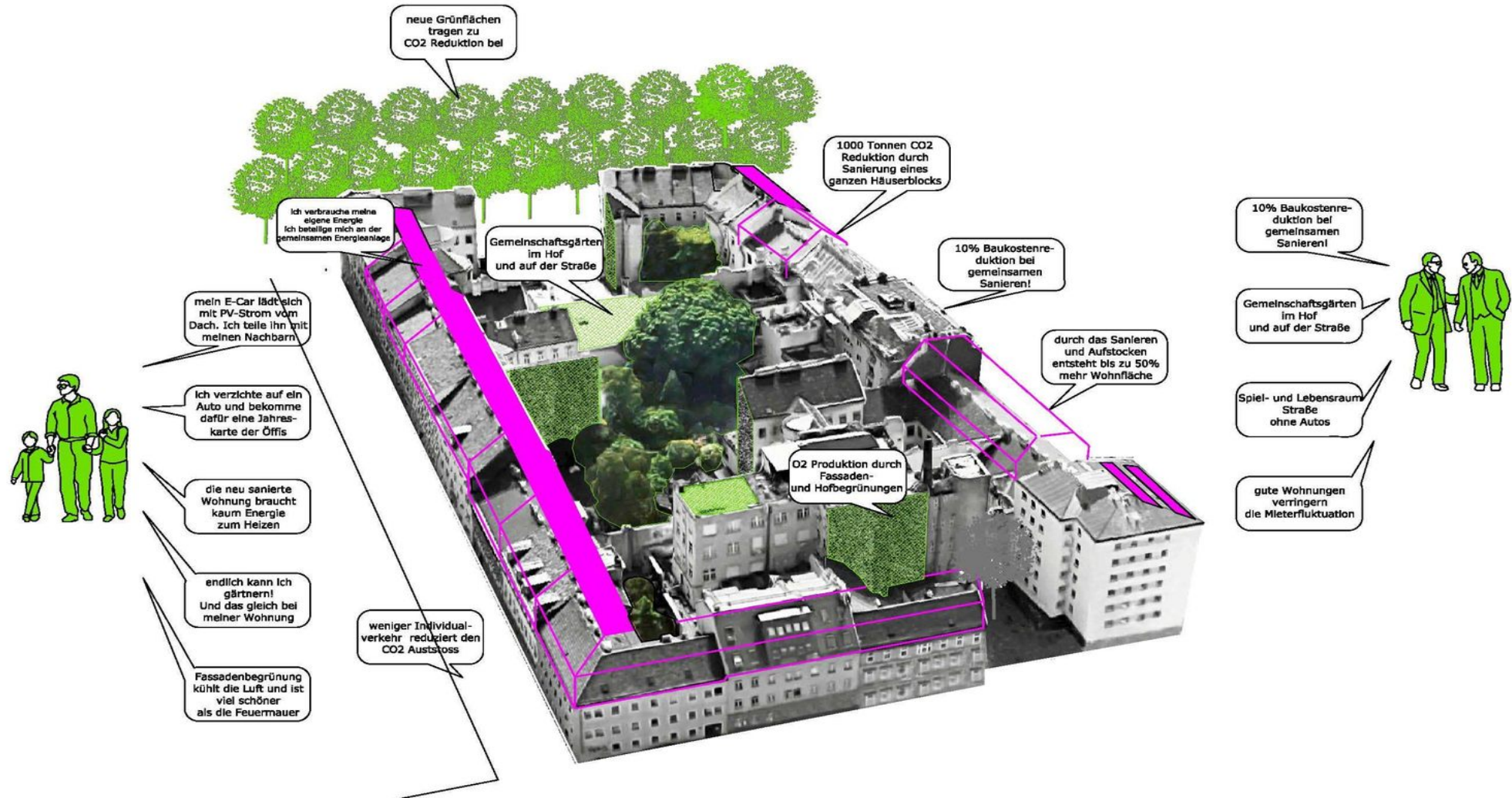


# Collective URBAN Transformation

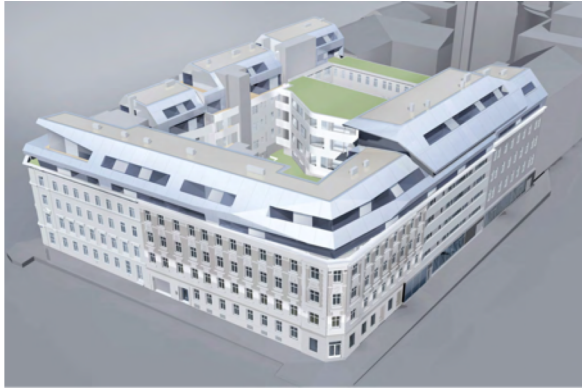
RfM Räume für Menschen Architektur  
Jutta Wört-Gössler, Arch.in Mag.a

1120 Wien, Wolfgangasse 12/6  
Klimawerkstatt

# SMART BLOCK



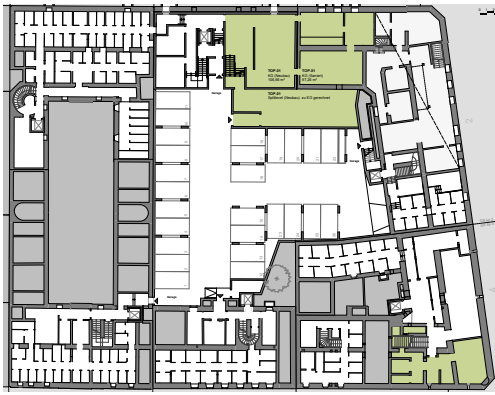
# evaluation 2 cross property refurbishment



Ground floor



Ground floor



blocksanierung  
Wohnpark Ottakring, 6 buildings



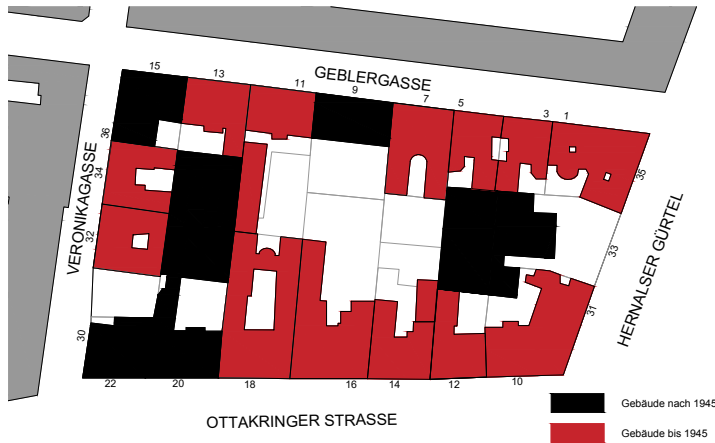
Wohnpark  
Ottakring, 8 buildings



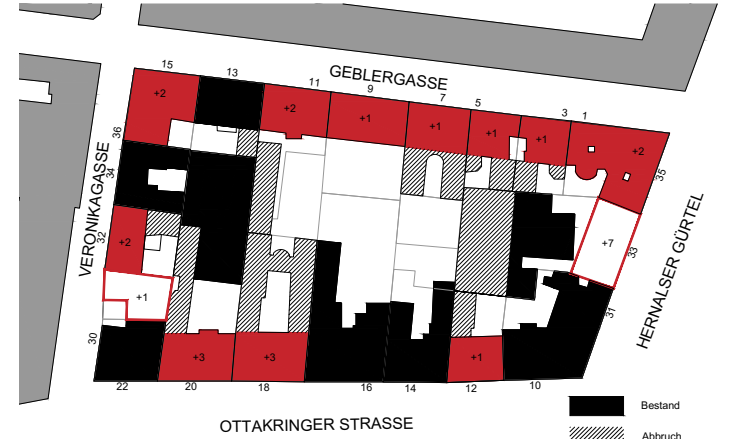
# analyses

## 18 buildings

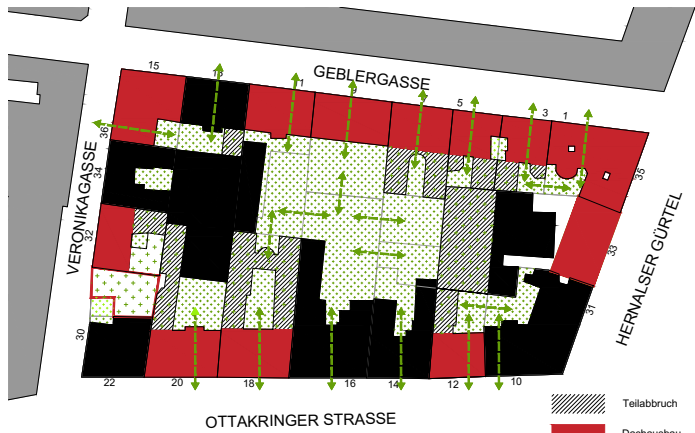
- Refurbishment interest 17%
- refurbished 17%
- reconstruction 5%
- not refurbished/no interest 61%
- interest in sustainable energy supply 33%



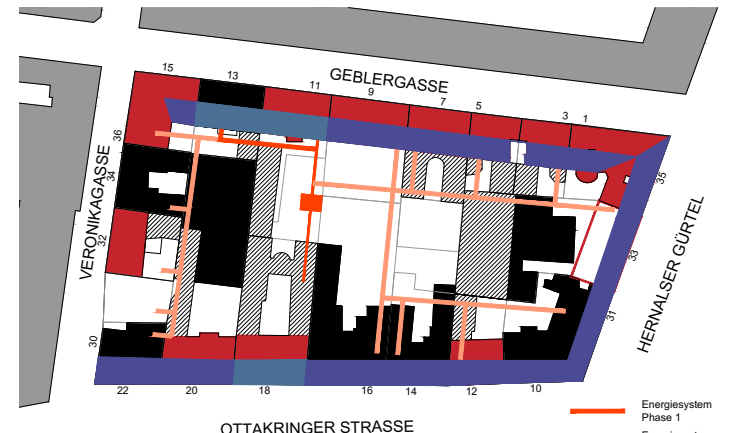
Building age



Development regulations

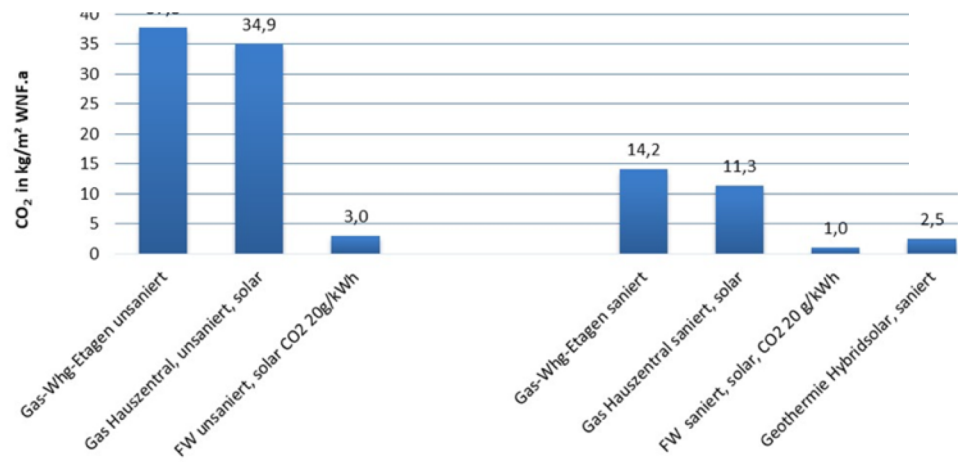
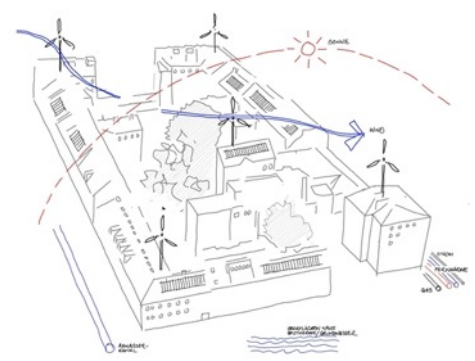


Open space

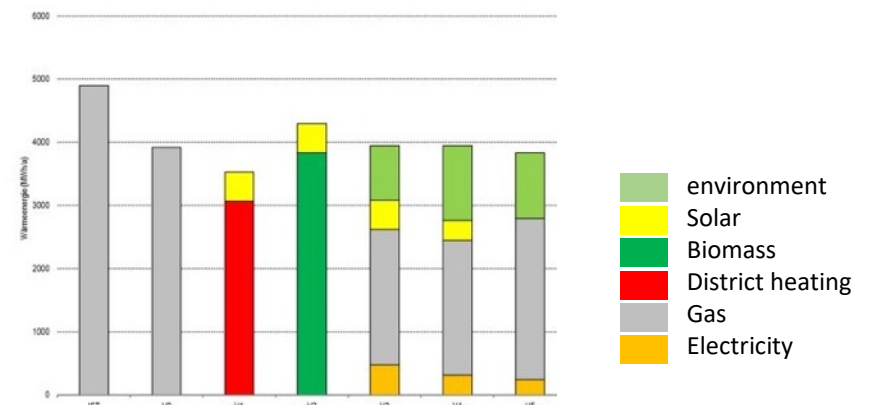


Energy supply

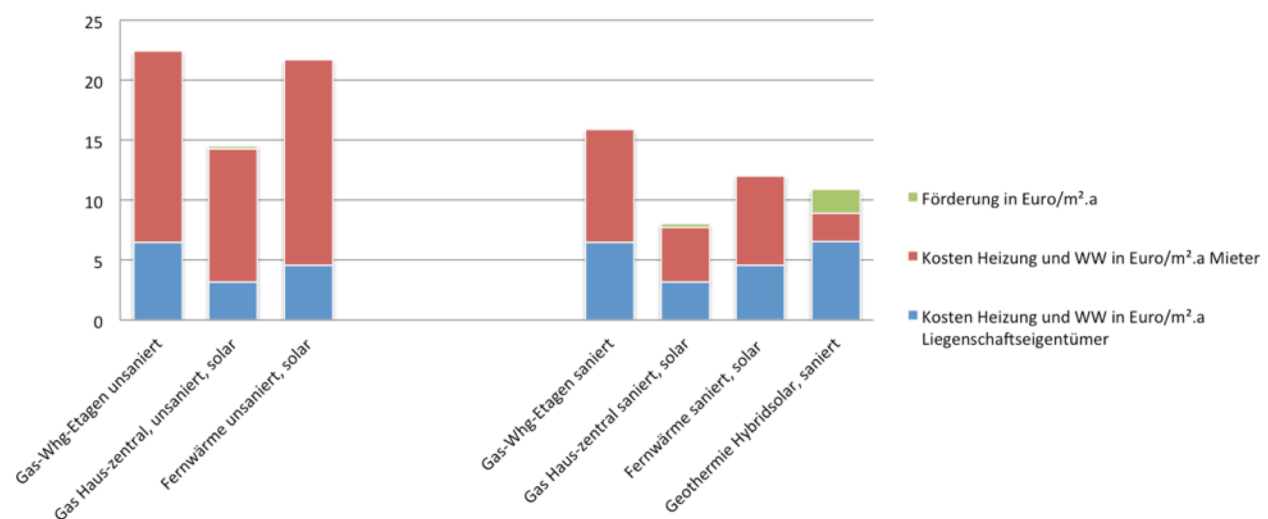
# energy supply



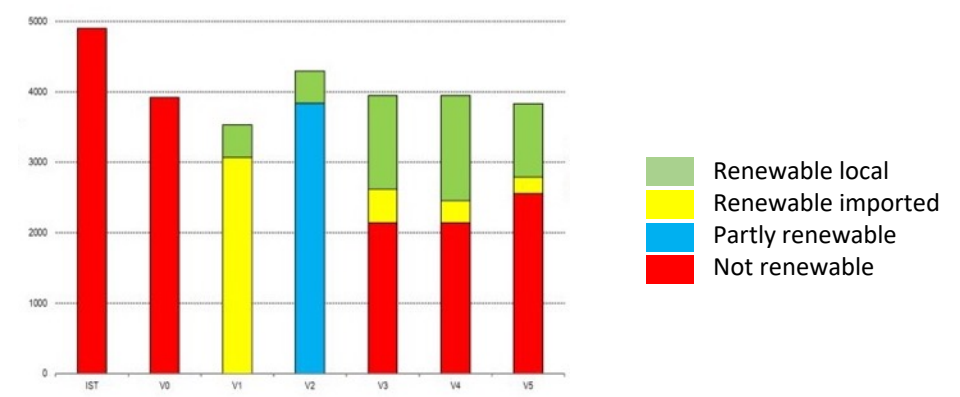
CO<sub>2</sub>-emissions for heating and warm water kg/m<sup>2</sup>



Primary energy amount sourcebased



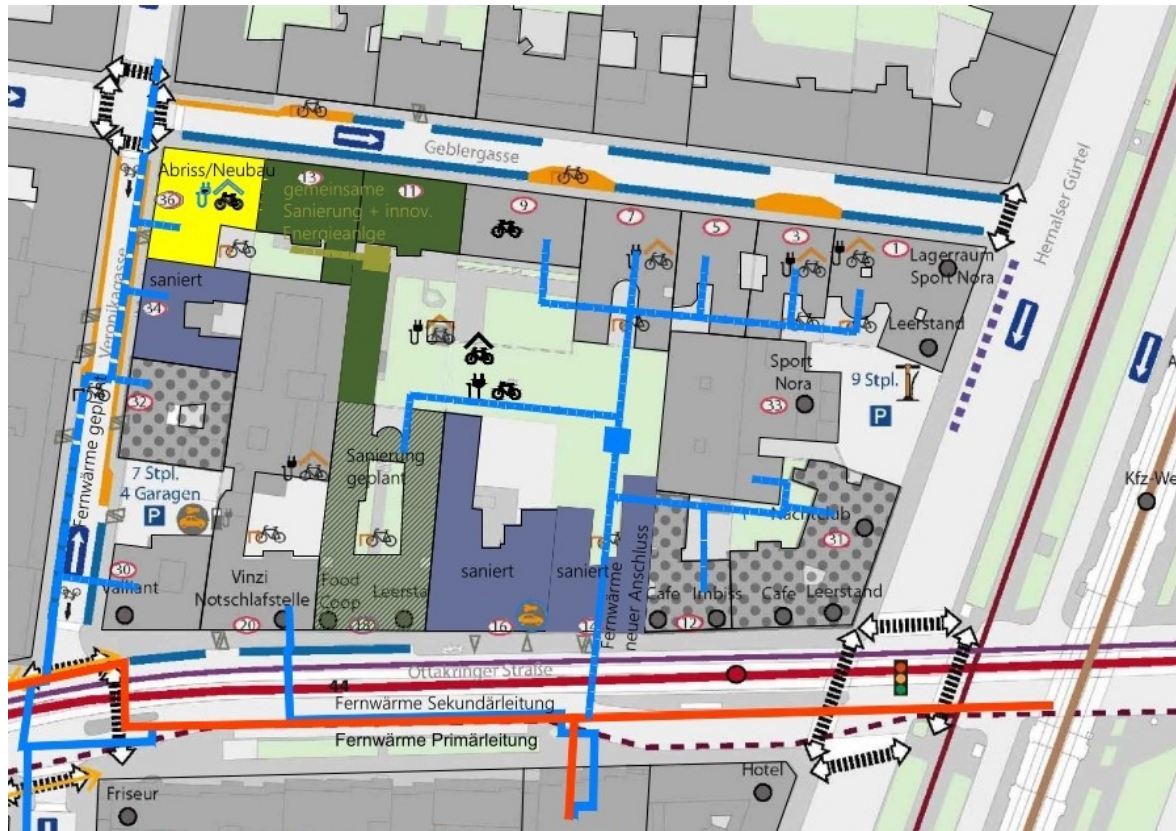
Costs in €/m<sup>2</sup> for heating and warm water



Primary energy amount renewable/not renewable

# results

1. Pilot Smart Block Geblergasse
2. integrated energy and mobility plan



# MY FAVORITE

5 rundown buildings  
2 streets

- ✓ 2 refurbishment concepts
- ✓ 1 sustainable energy supply
- ✓ 1 conversion of public space

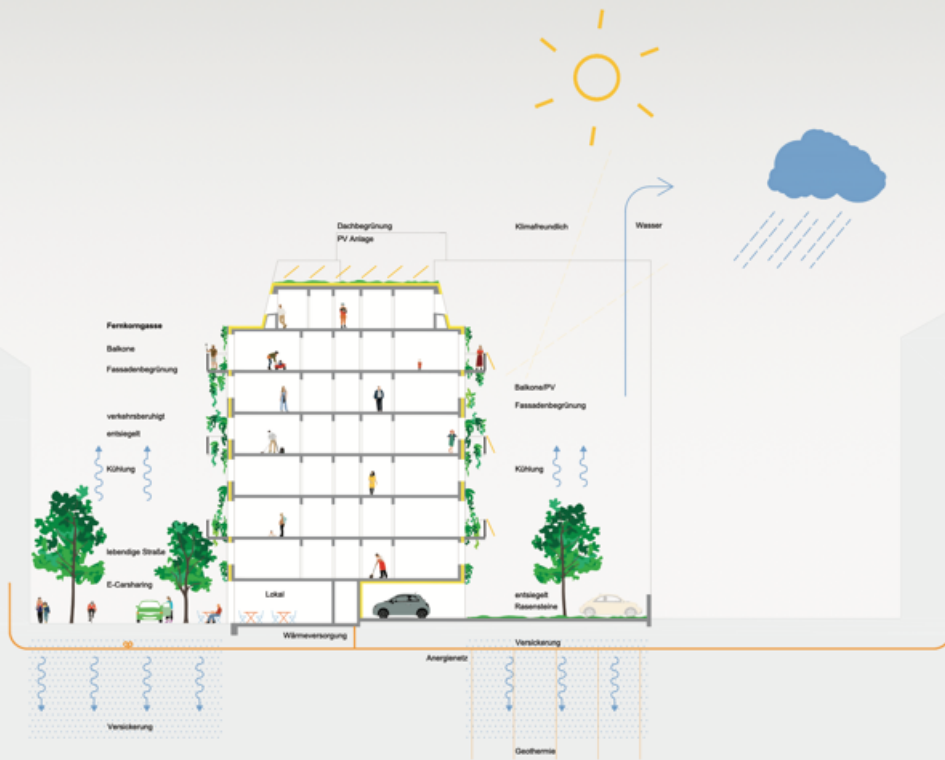






# strategy II: Re-Use

## MY FAVORITE: RE-USE Fernkorngasse 48, 1100 Wien



LEBENDIGE ERDGESCHOSSZONE

## LEBENDIGE ERDGESCHOSSZONE



Neuorganisation Erdgeschoß:  
Verlegung Gebäudezugang; Barrierefreiheit für einen Teil der Wohnungen; Schaffung von E-Car LadeStation/Sharing Angebote in bestehender Garage

Zisterne für Gartenpflege und Brauchwasser-nutzung

neue Zufahrt zu Hof: dadurch Bündelung der vermietbaren EG-Flächen → lebendige Straße 3 Achsen Nutzung als Geschäftslokal, Reparatur-lokal etc. geteilt oder ganz

Entsiegelung Hof: Schaffung von Versickerungs-flächen durch Verlegung Rasensteine, nach Möglichkeit Baumpflanzungen

Gartenfläche für nordseltige EG-Wohnung

## DACHAUSBAU + INNOVATION



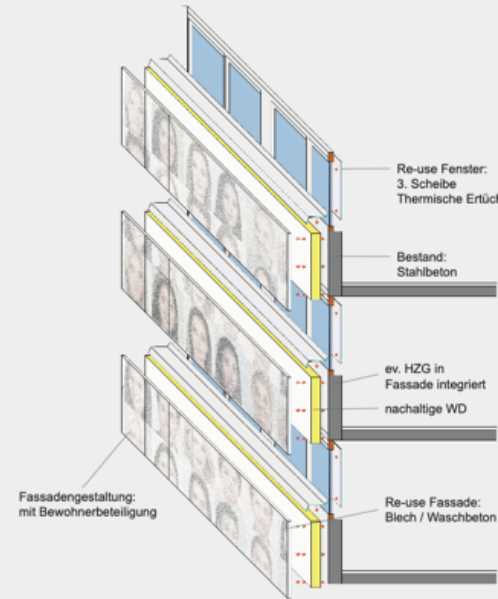
Umstellung Heizung auf nachhaltige Wärme-pumpensystem: Tiefenbohrungen im Hof, ev. Verbindung mit GESIBA Liegenschaft Fernkorngasse 44 und weiteren durch Anergienetz (Wien Energie)

thermische Verbesserung der Gebäudehülle mit Wiederverwendung der Komponenten

Vertikalbegrünung an Fassade

wohnungszugeordnete Freiflächen (Balkone)

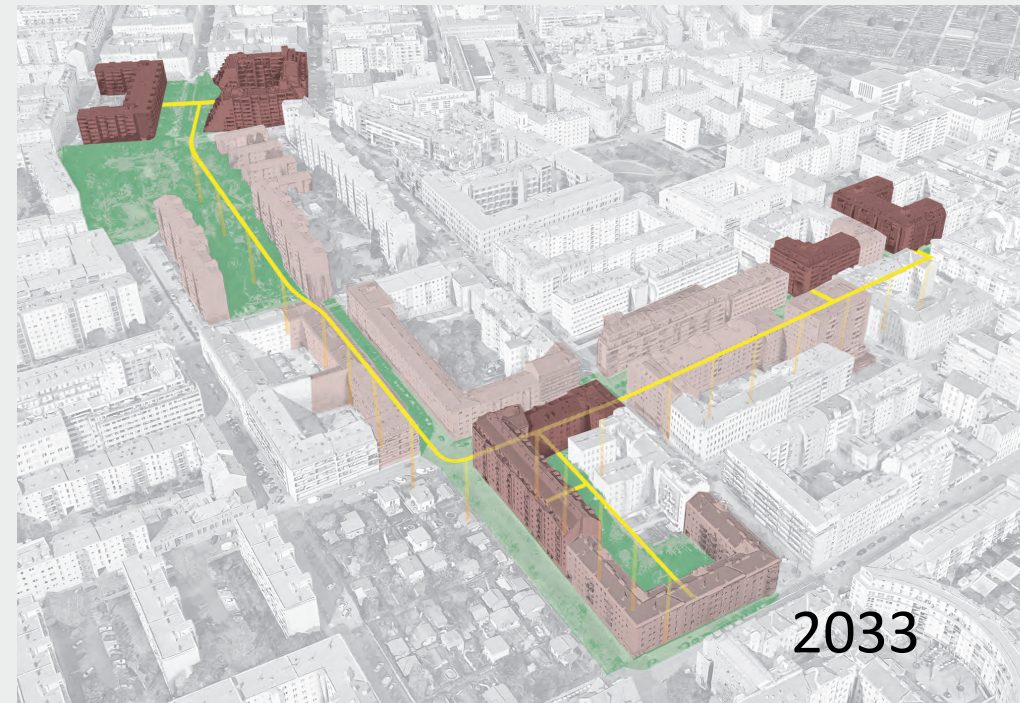
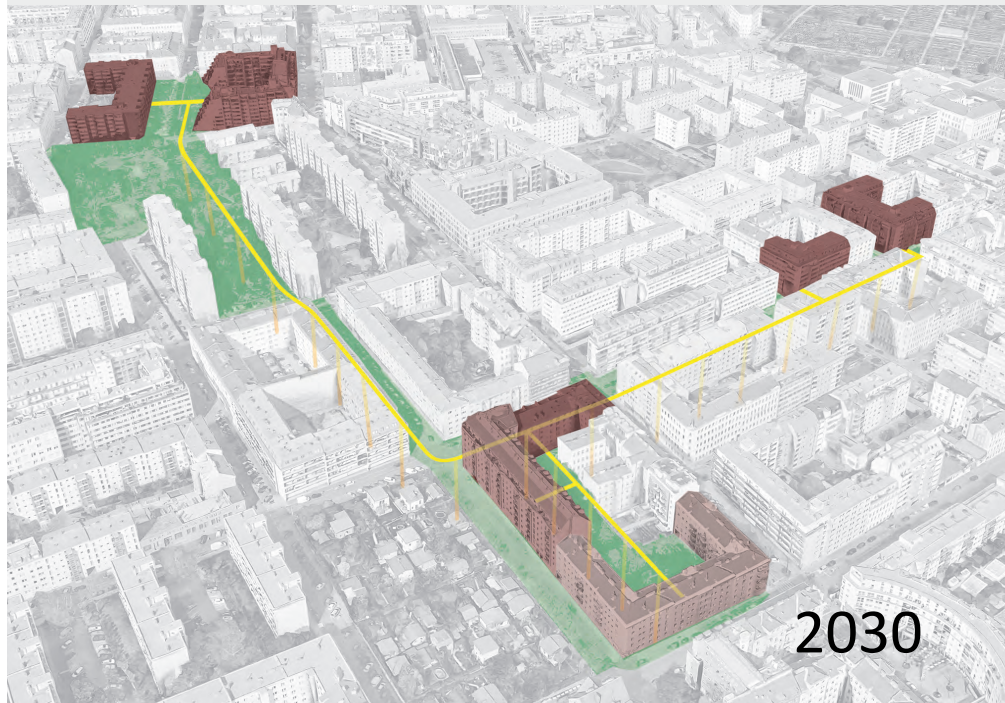
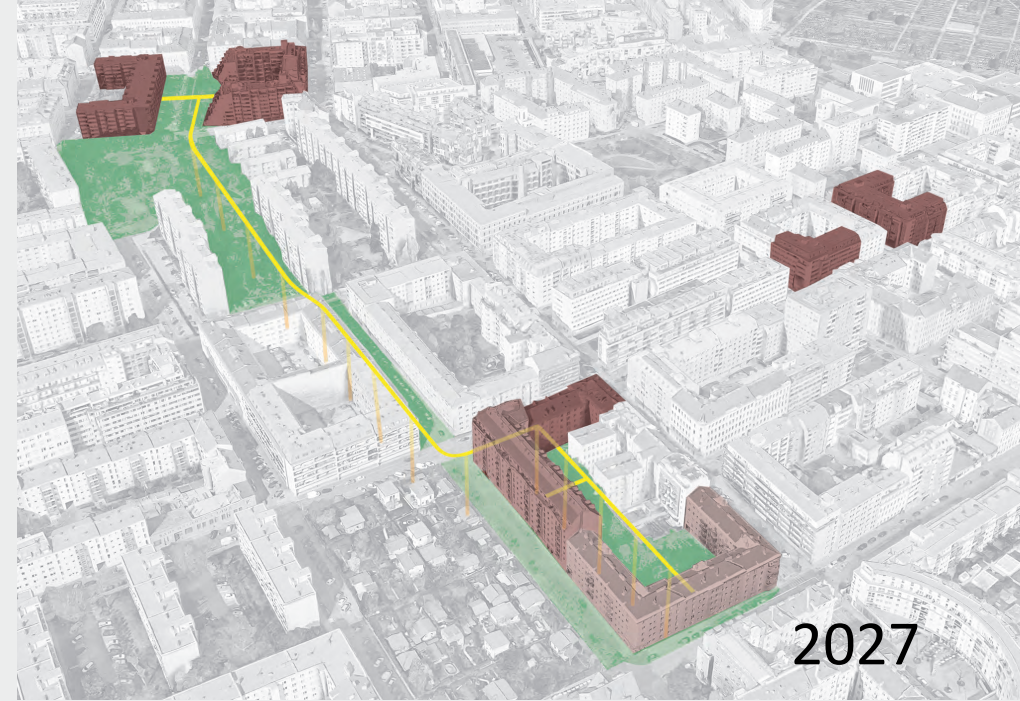
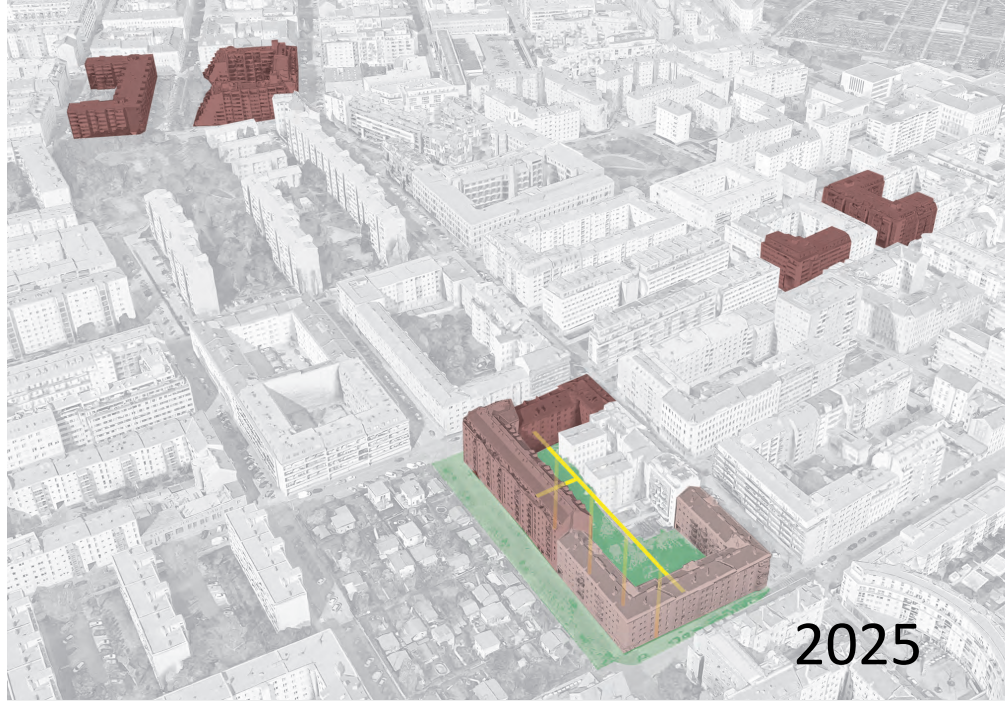
Nutzung des Dachs für PV



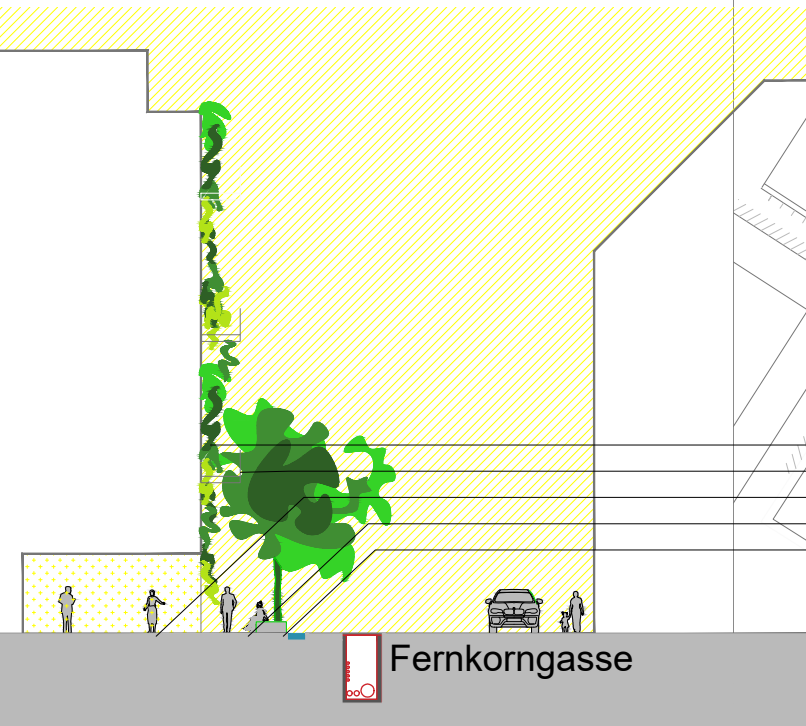
Fassadenausschnitt Fernkorngasse 48



sustainable energy supply



# public space



- Fassadenbegrünung
- zus. wohnungszugeordnete Freiflächen
- neues Geschäftslokal/ GESIBA
- Sitzgelegenheiten
- Gemeinschaftsgärten
- Reduktion MIV, Fahrrad- und Gehwege
- klimafitter öffentlicher Raum

Fernkorngasse



# MY FAVORITE TOGETHER

## Urban transformation Collective

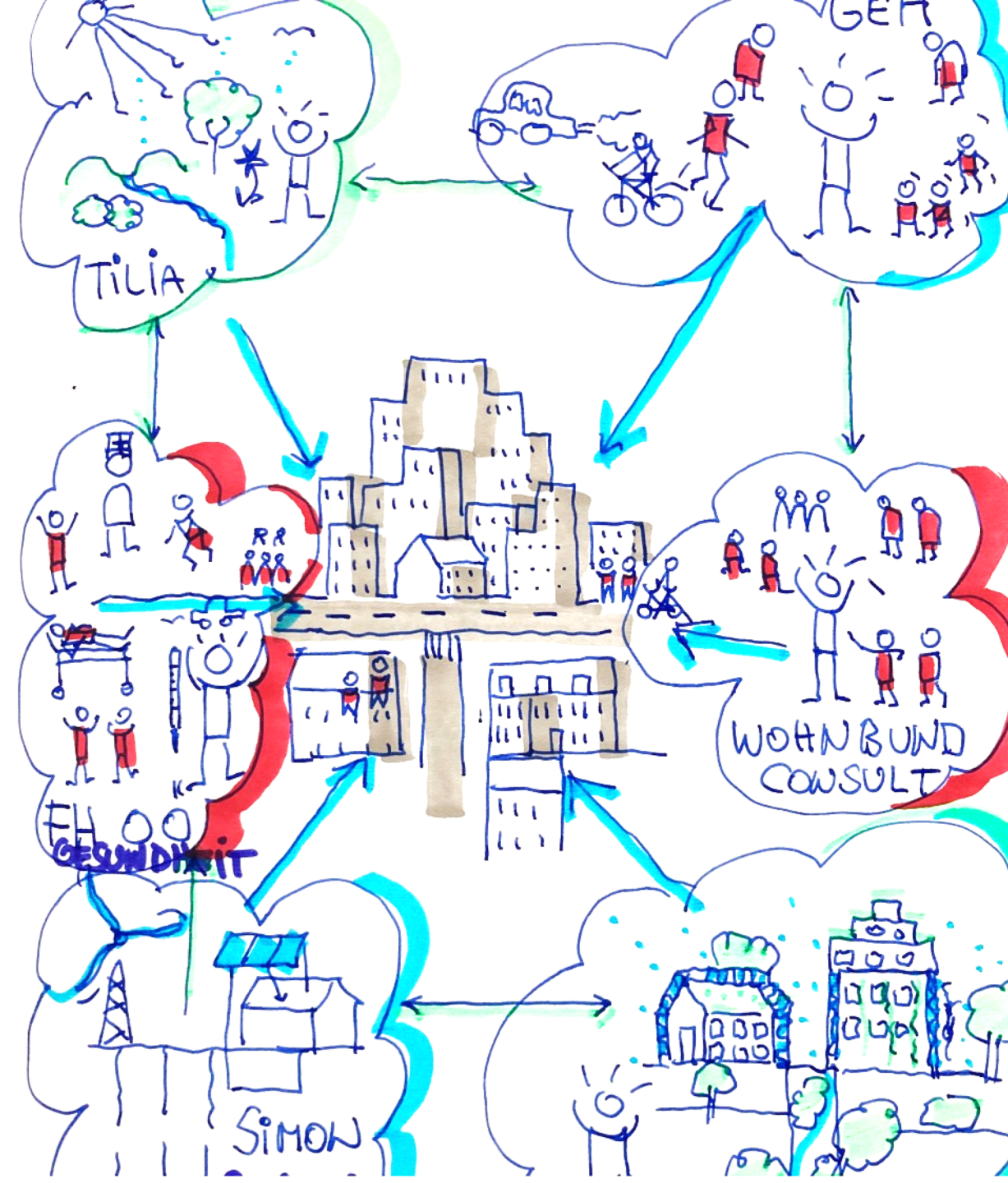
- Architecture and Urban Planning  
Jutta Wörtl-Gössler, Uli Machold, RfM Architektur
- Landscape planning  
Heide Studer, Tilia landscape planning office
- Traffic planning  
Christina Presinger
- Energy planning  
Simon Schneider FH Technikum
- Participation, sociological support  
Raimund Gutmann, Ernst Gruber, wohnbund:consult
- Health issues  
Vera Karner, FH OÖ Gesundheitsberufe
- Data management  
Steffen Robbi, Digital findet Stadt

# a matter of cooperation

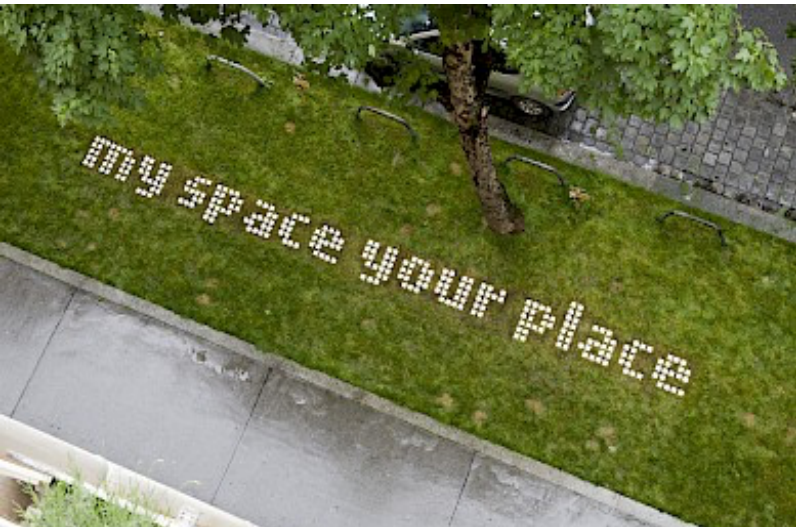
Forming - Warming - Storming  
- Norming - Performing

Open questions:

what is the benefit 4 whom?  
who needs to participate?  
why should anyone take action?



# garten meidling\_garten wolfganggasse



walk-space award



# strawbale clay construction

With owner's participation



# Co-housing and integration



**KLASSIK A**

**SMART B**



**CLASSIC B  
= SMART C**

**KLASSIK C  
= SMART D**

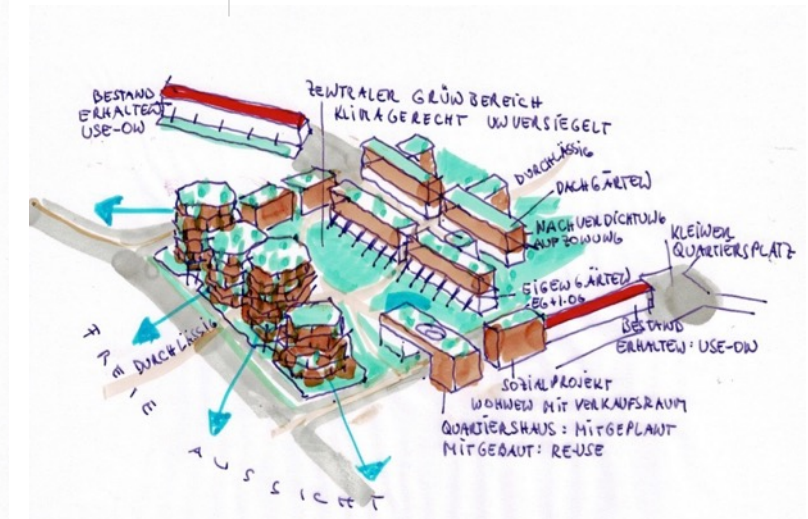
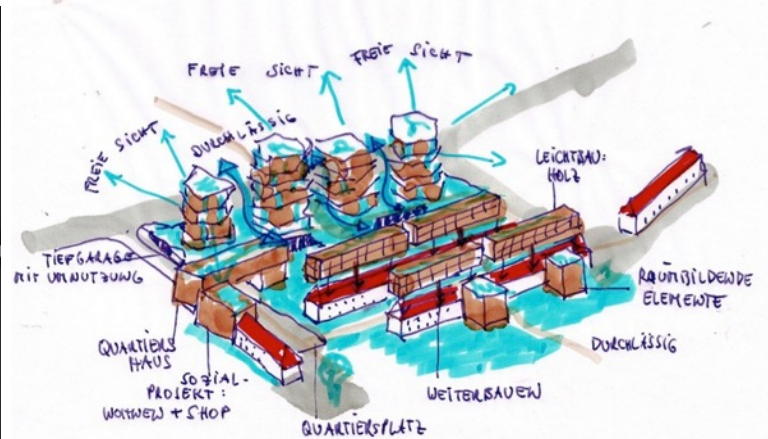
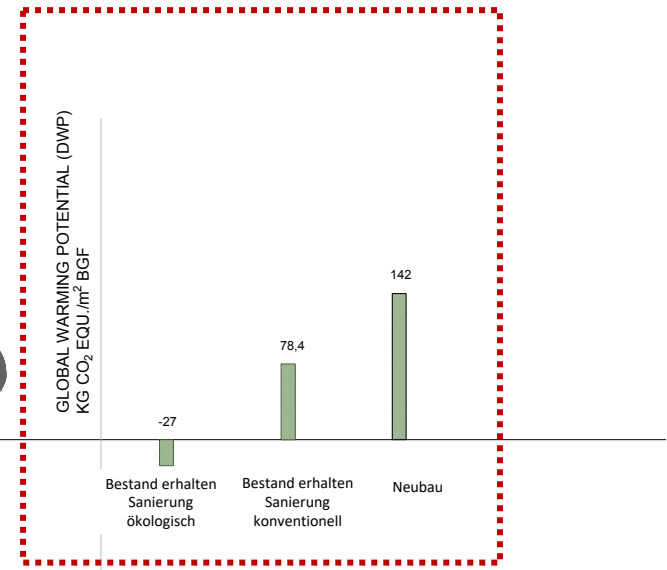
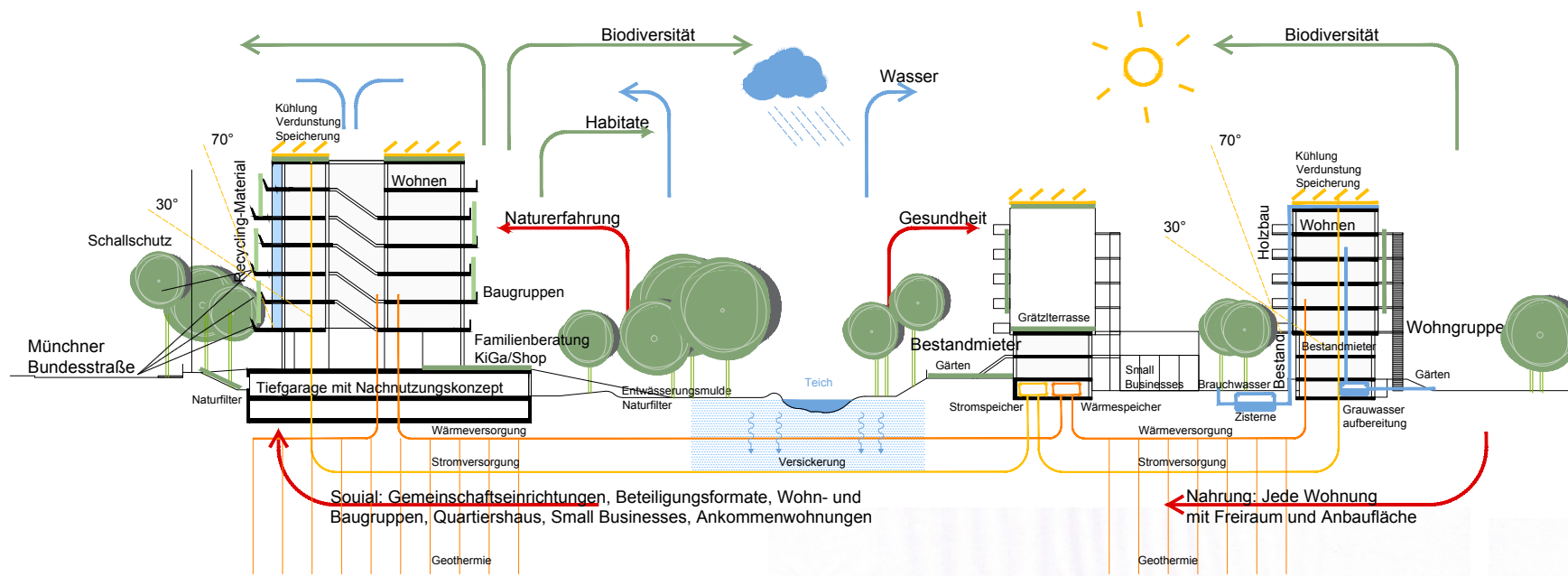


**KLASSIK D**

**KLASSIK E**



# Südtiroler Siedlung Bessarabierstraße, Sbg.



one two go...