



**QUEEN'S
UNIVERSITY
BELFAST**

CityZEN Strategy Plan #5: Sevilla, Spain

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'Dream no small dreams for they have
no power to move the hearts of men...'
Von Goethe

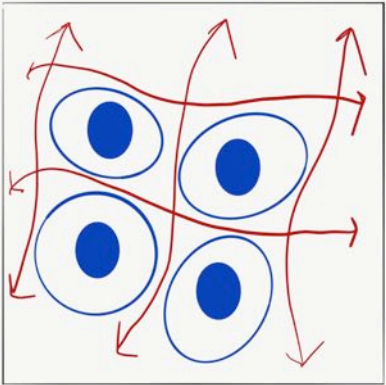
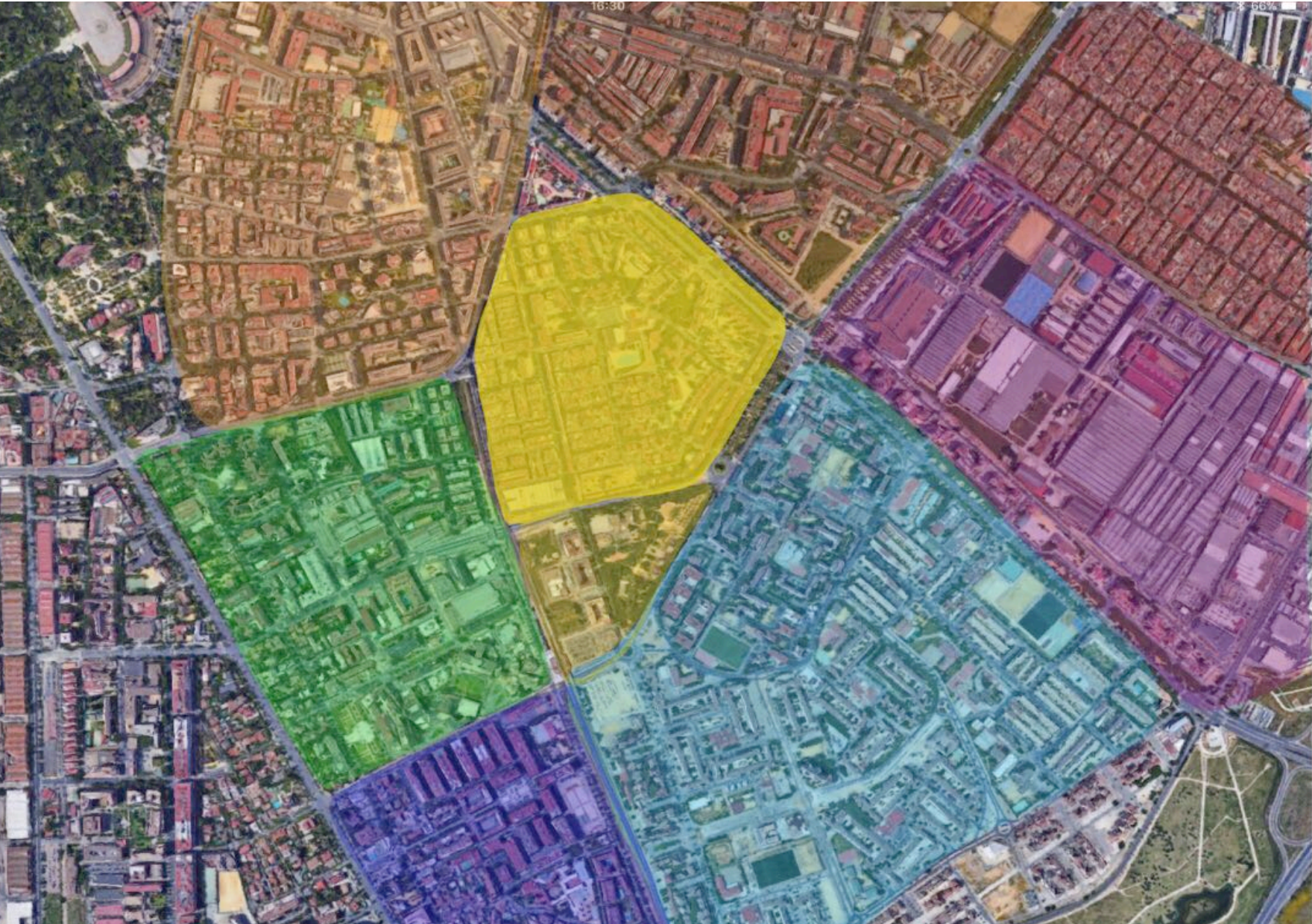
Professor Greg Keeffe

Head of School
Natural and Built
Environment

Queens University
Belfast.

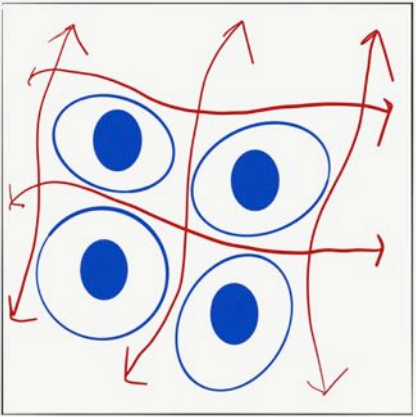
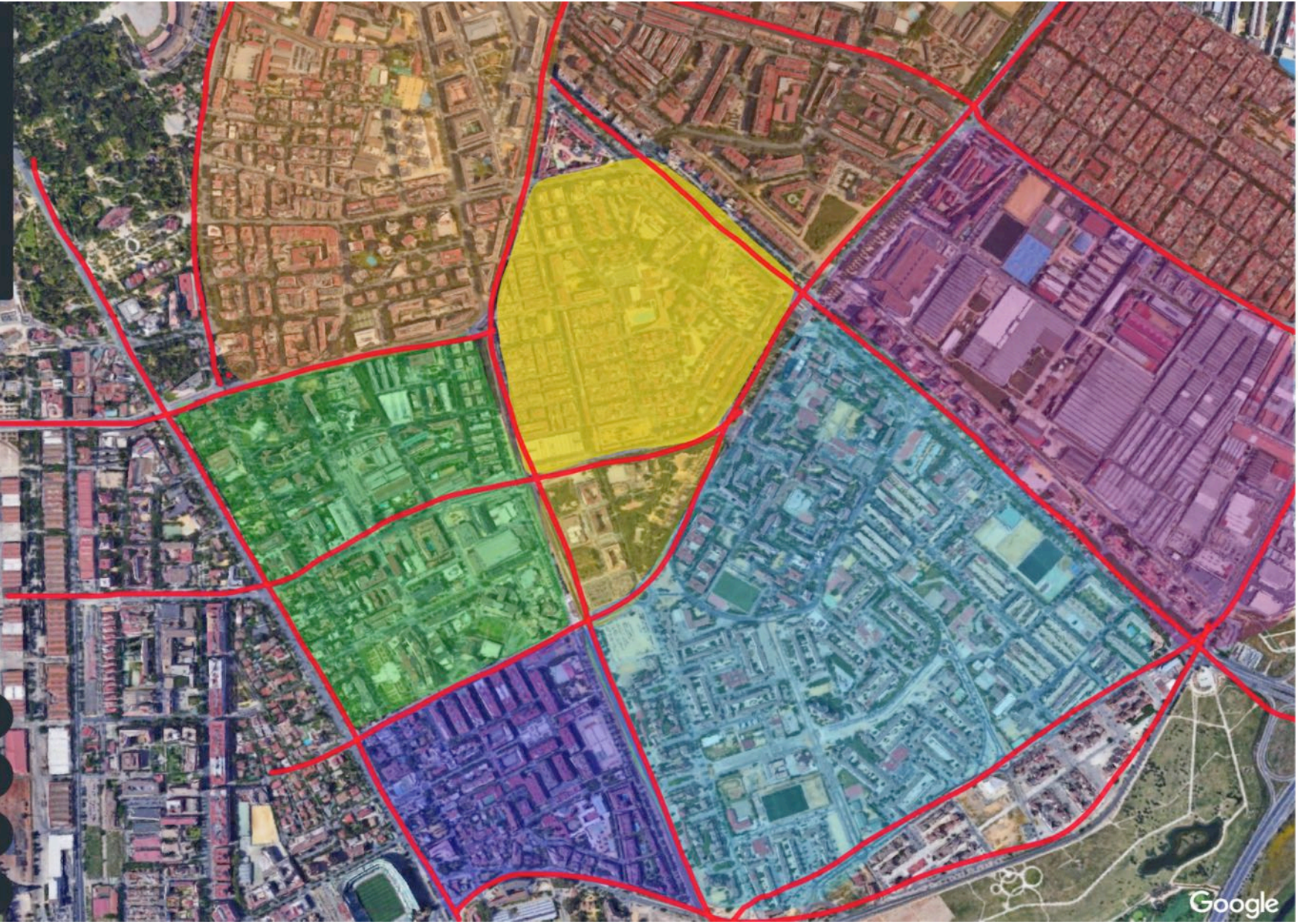
TU Delft





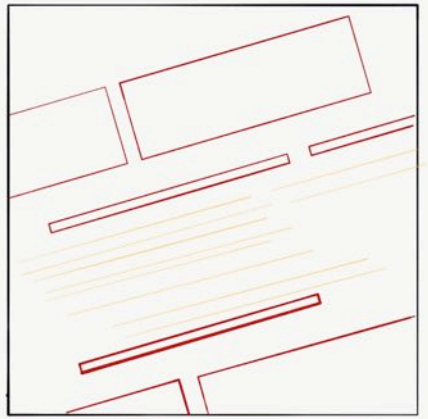
Barrios urbanism





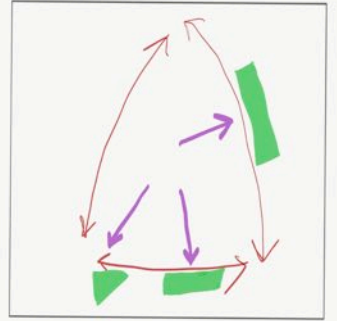
Barrios urbanism





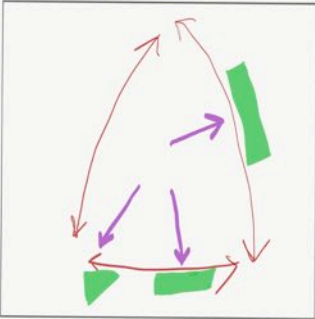
Over-roaded
Urbanism





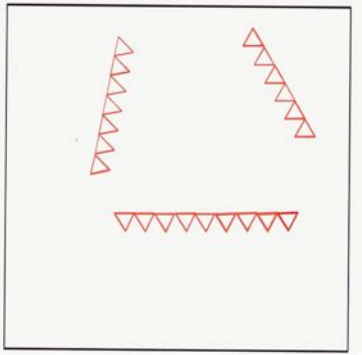
How big is big enough!





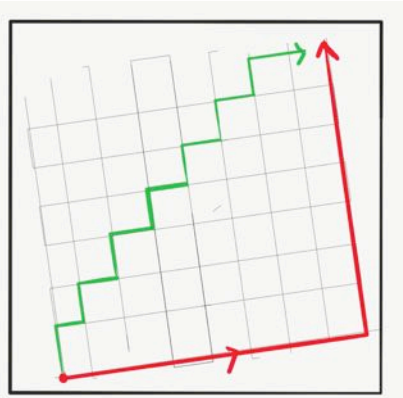
Unpacked Green





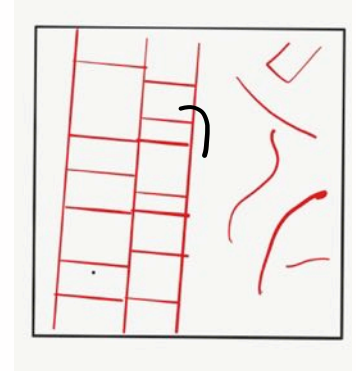
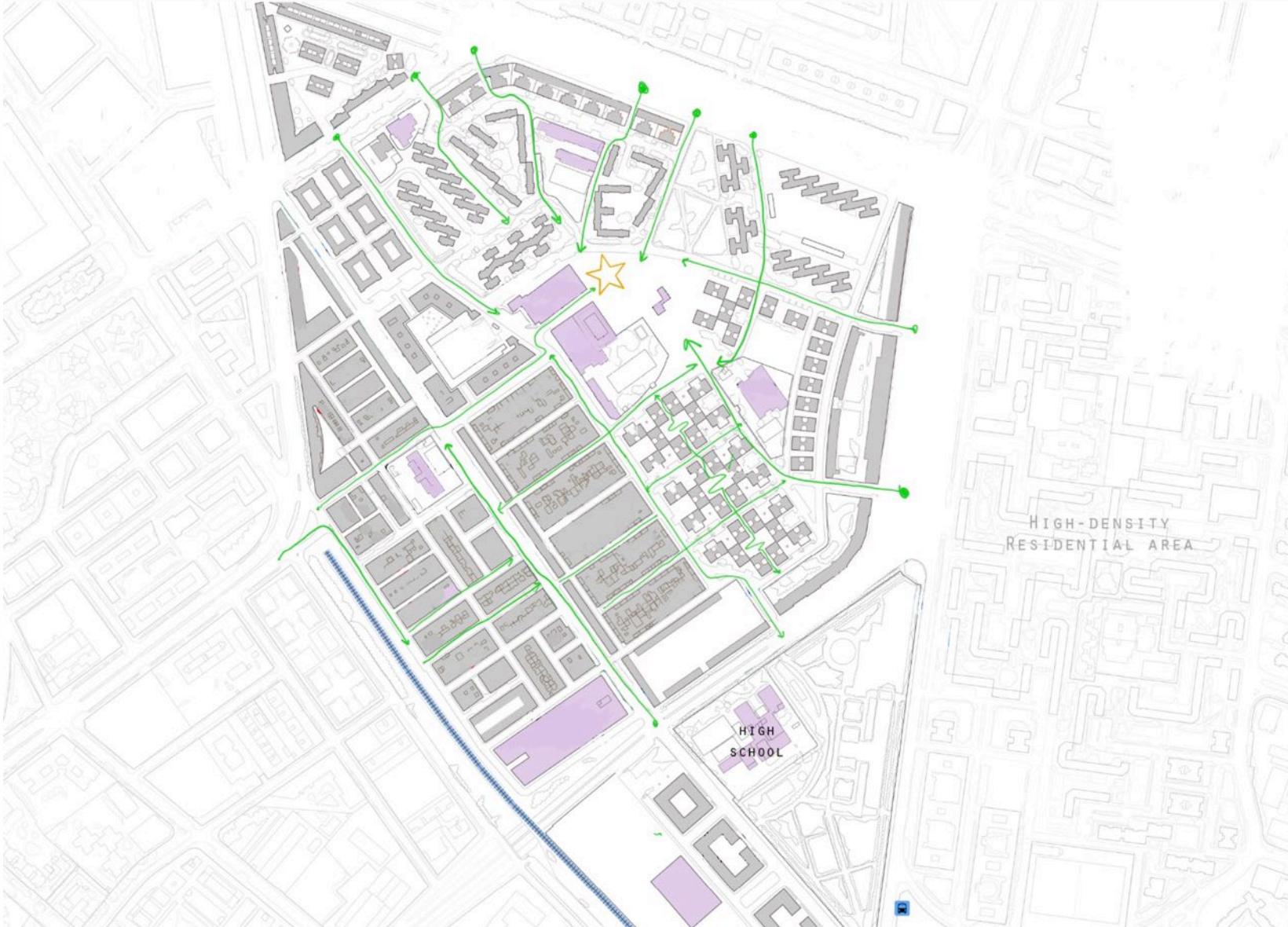
Hard edge





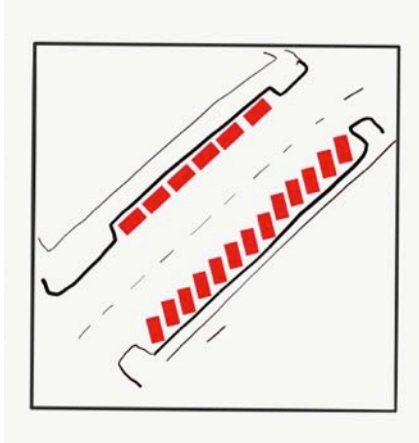
City desire line





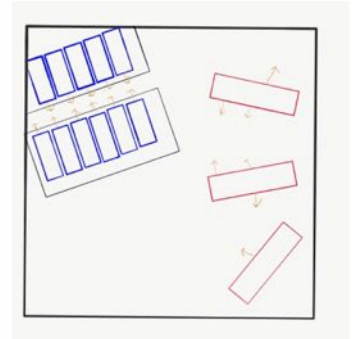
Permeable/non-permeable space





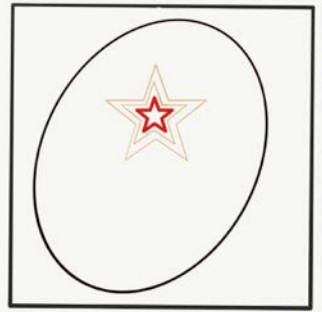
Cars cars and more cars





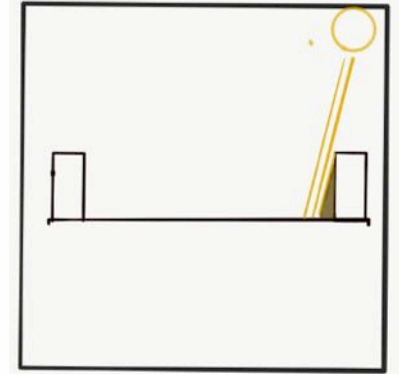
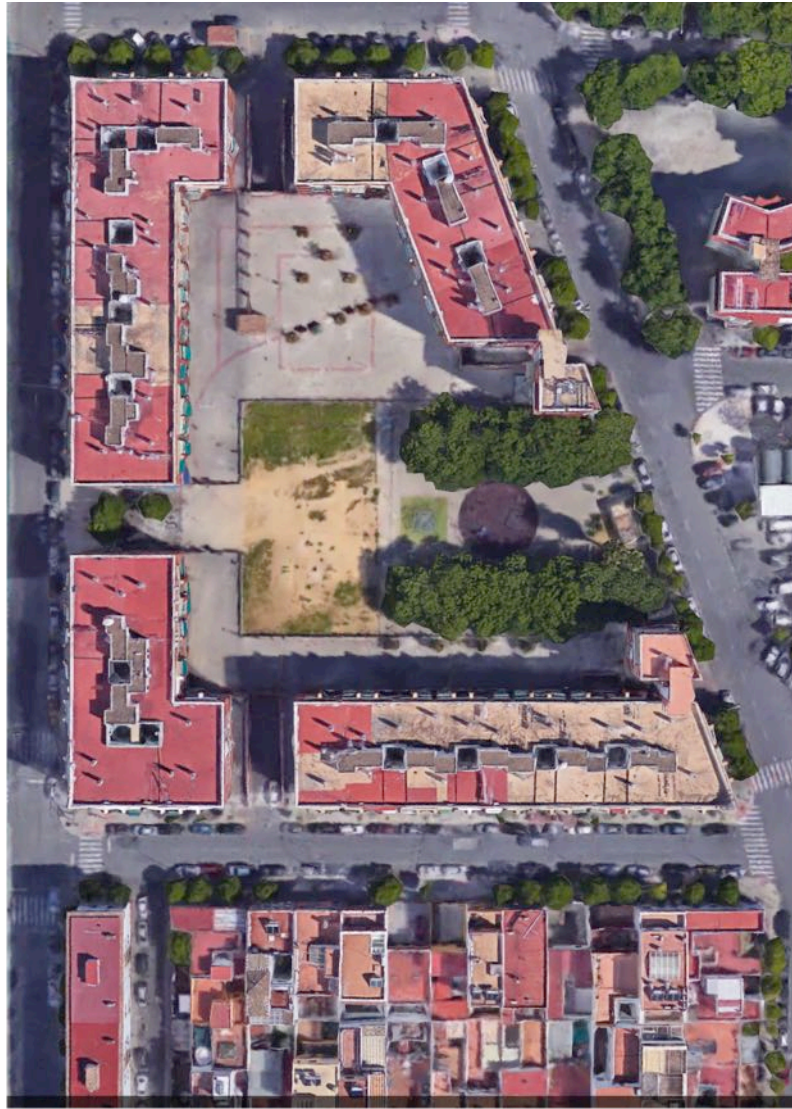
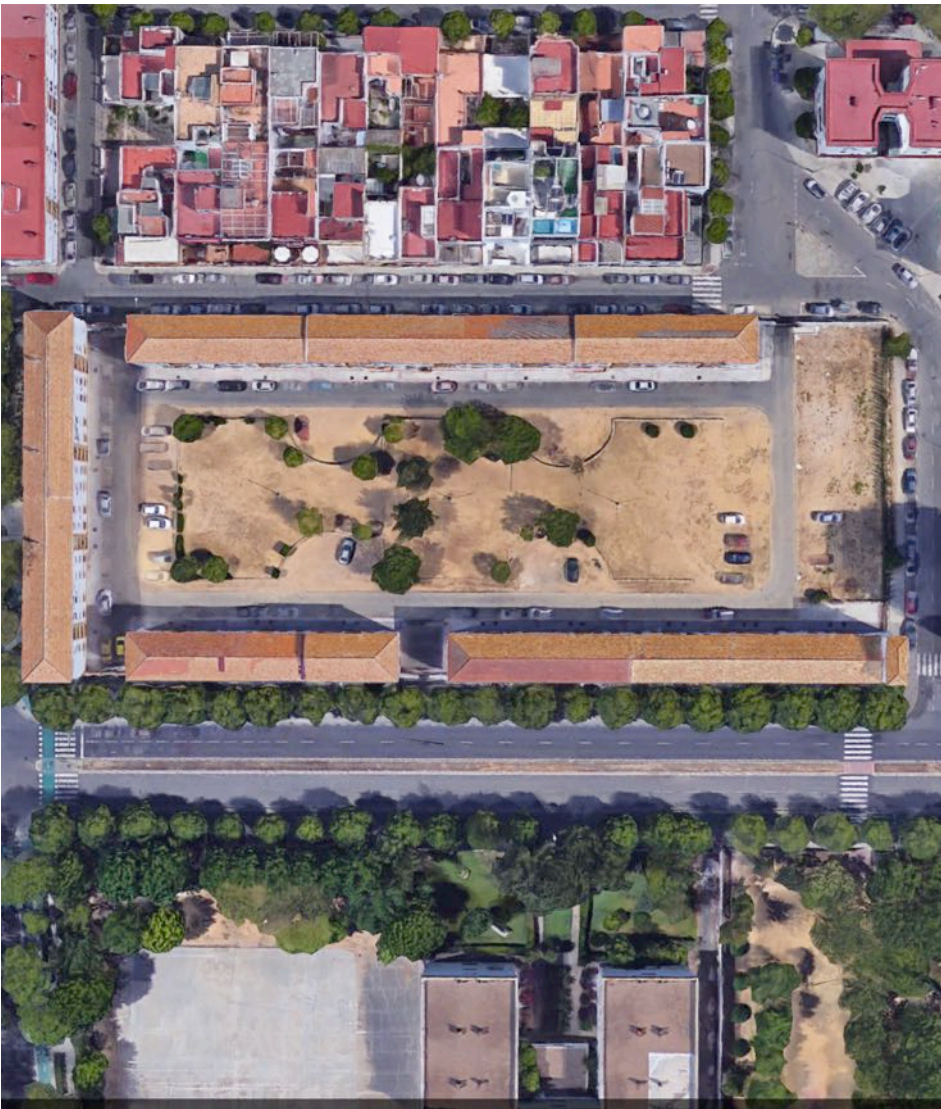
Surveyed and non-surveyed space



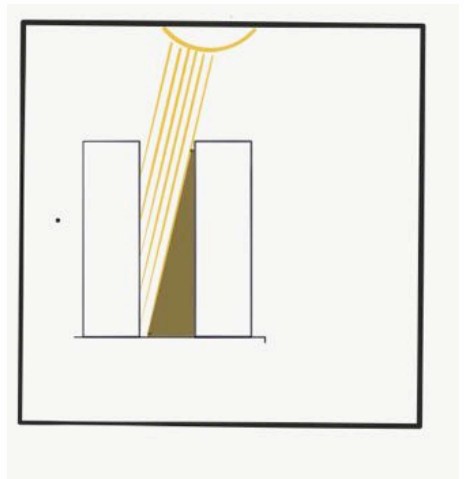


Over-centralised space





Over-scaled external space

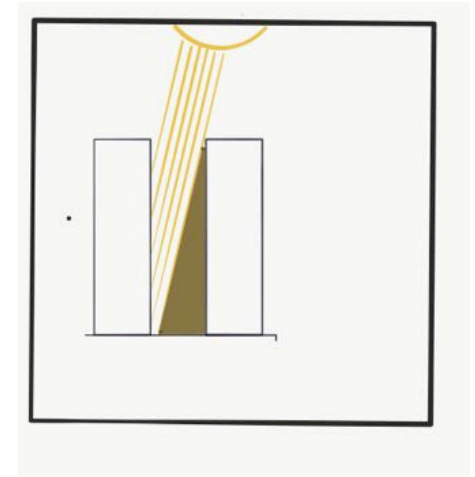


Correctly
proportioned
space

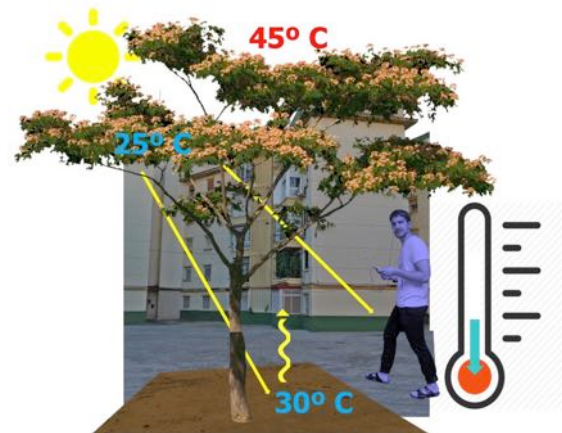
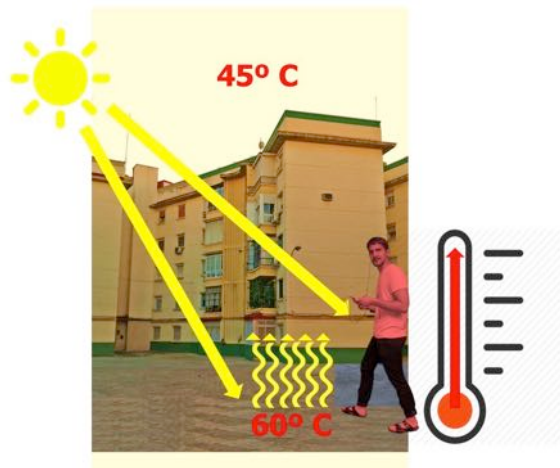


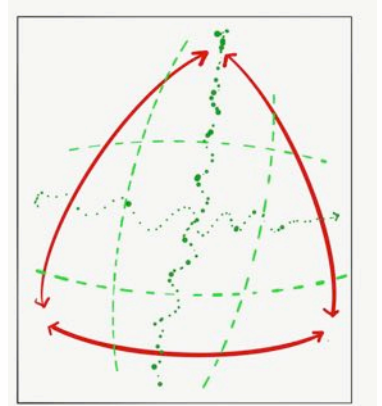
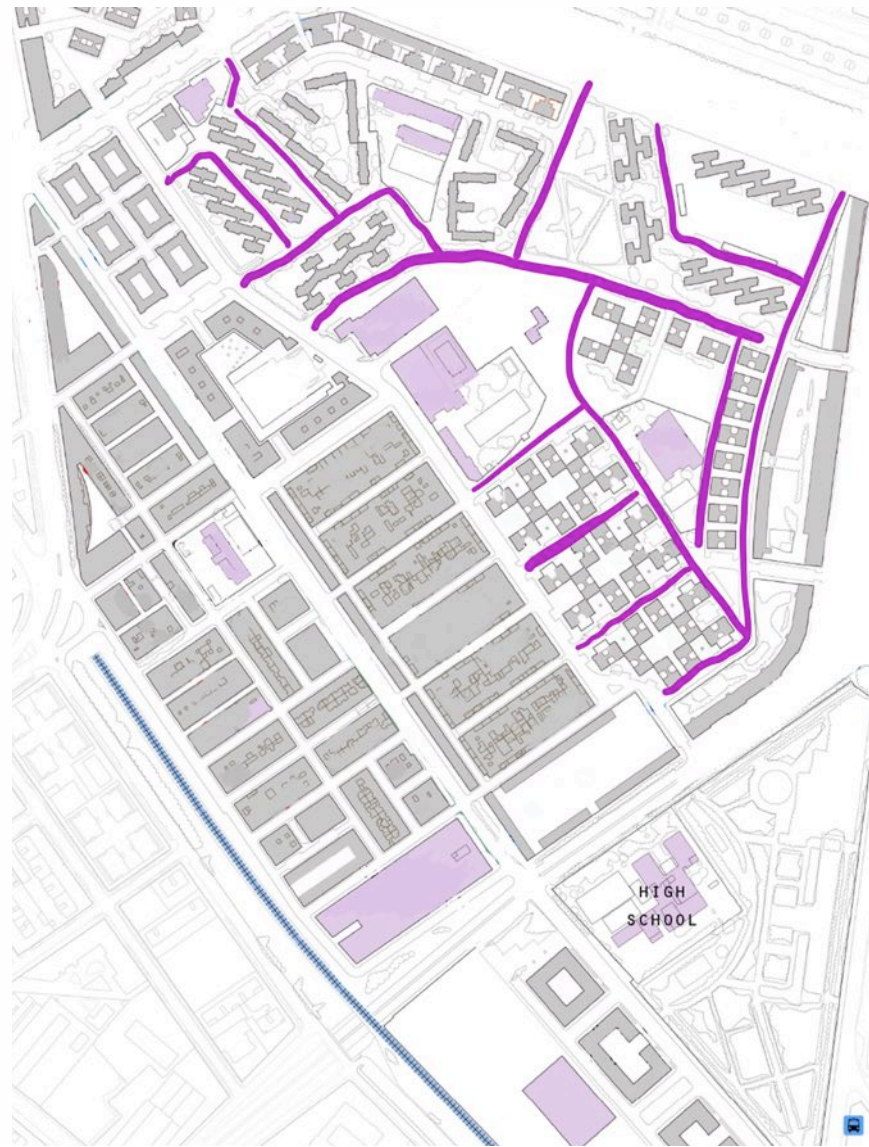
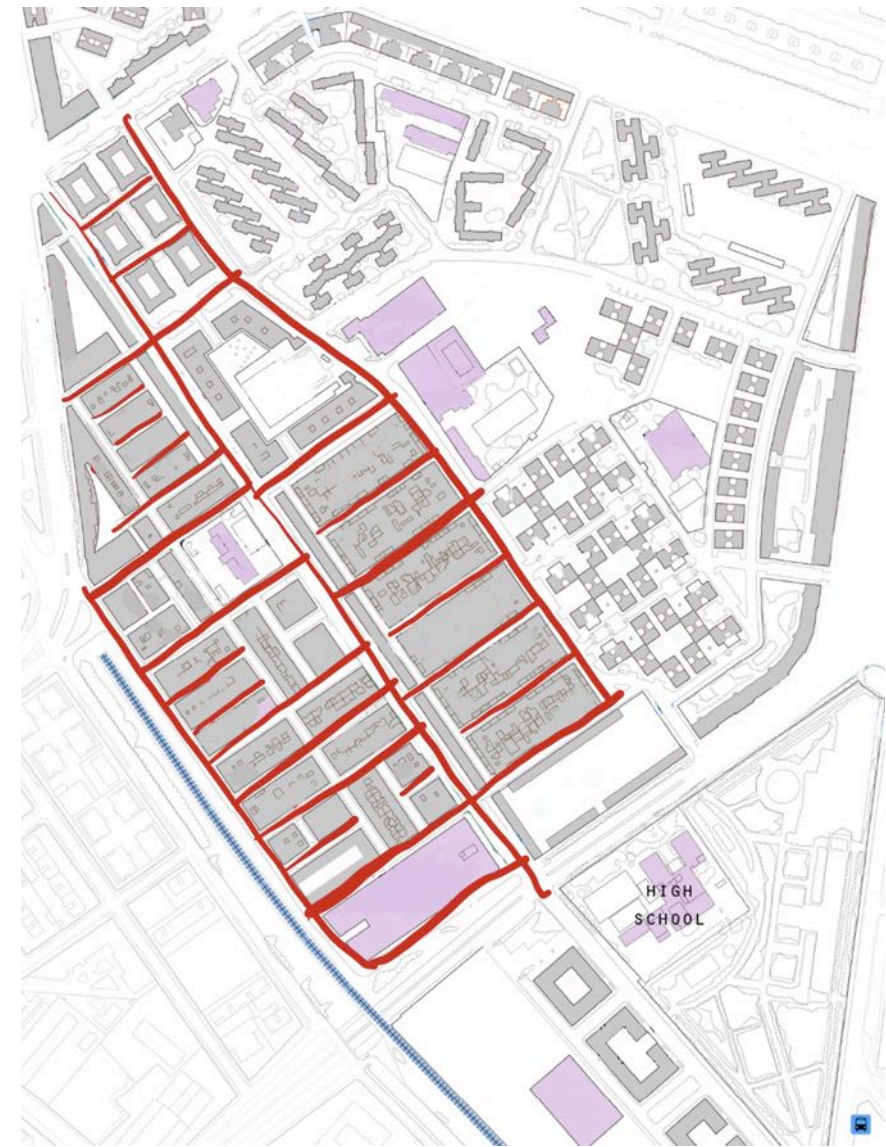
Seville Climate Projections. UK Met Office

Year	Average Temp	Average High	Maximum Temp
2017	19.4	35	45
2070	24	45	55
Climate similar to Dubai by 2070			



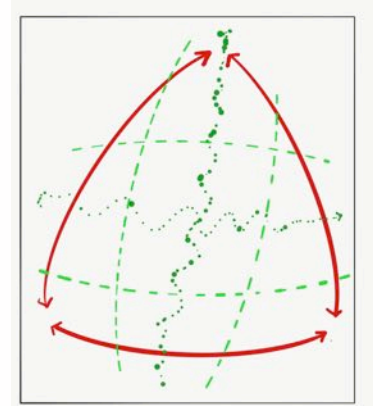
Correctly proportioned space





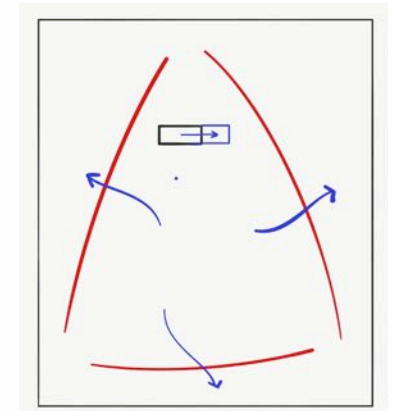
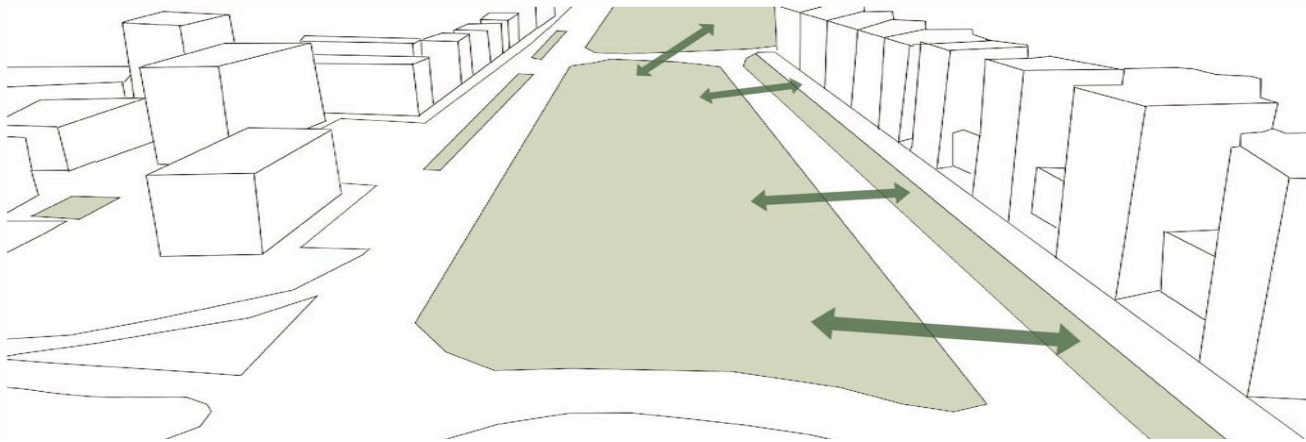
Perforated urbanism



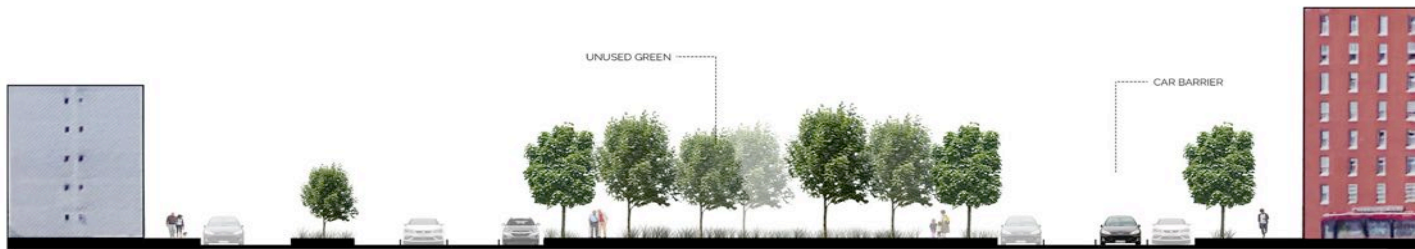


Perforated urbanism

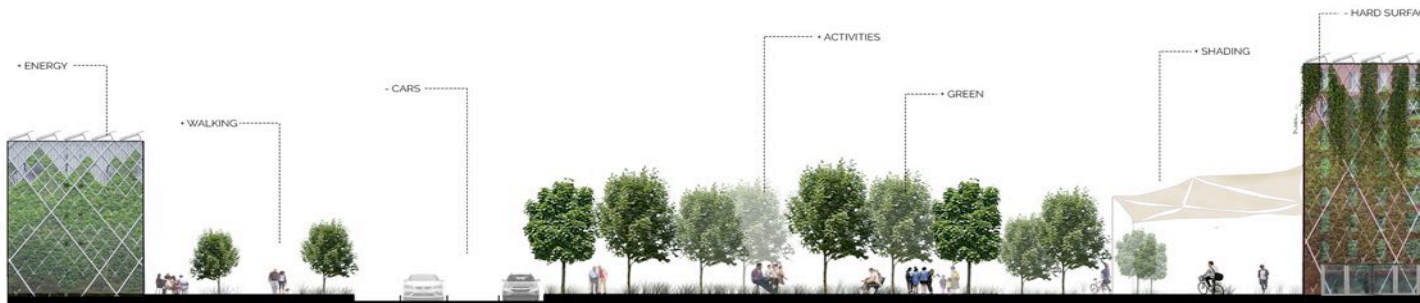


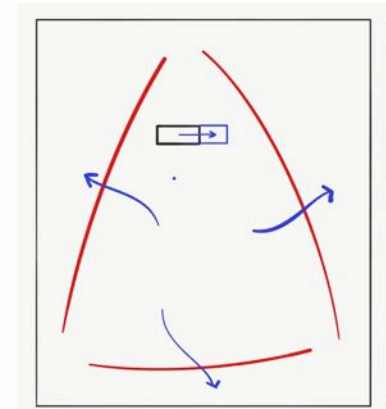
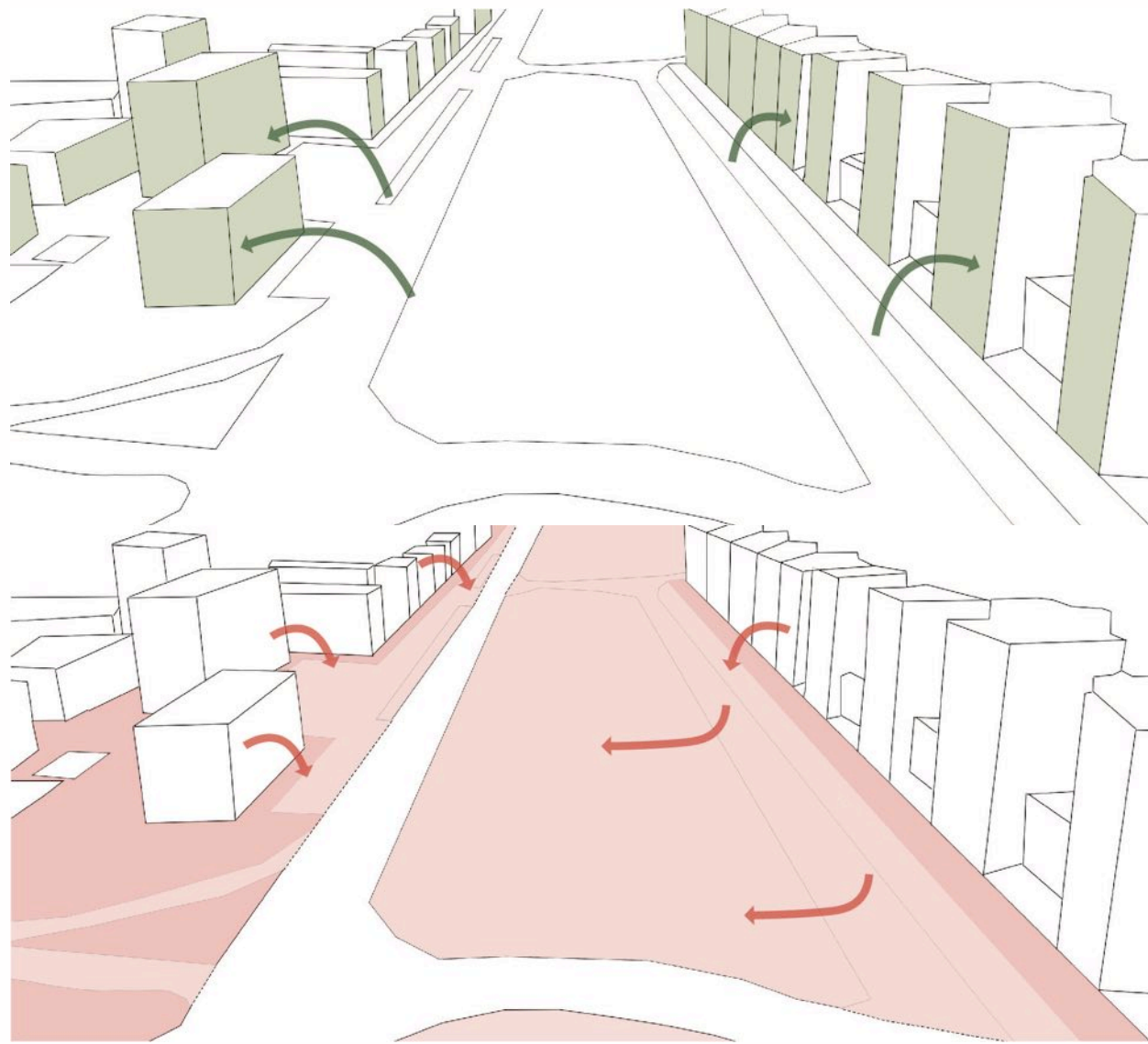


Unpack the neighbourhood



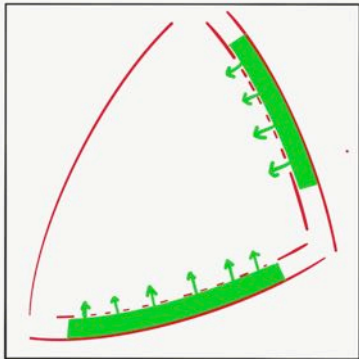
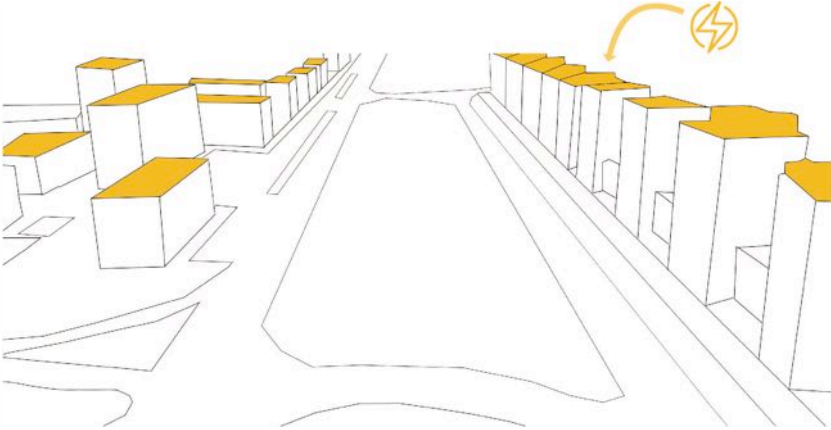
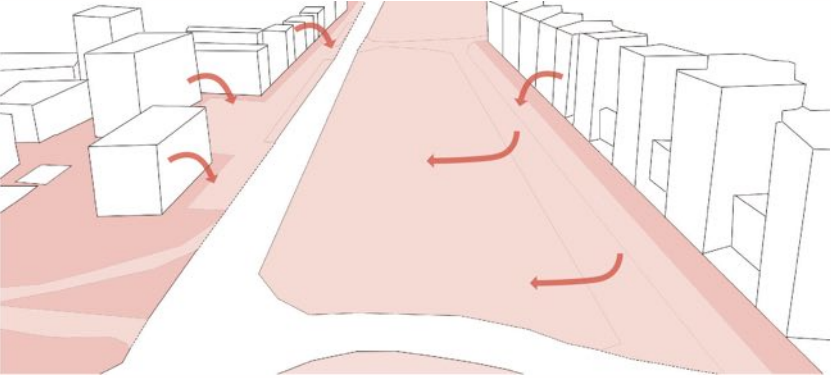
AVENIDA BENITEZ CARRASCO - BEFORE



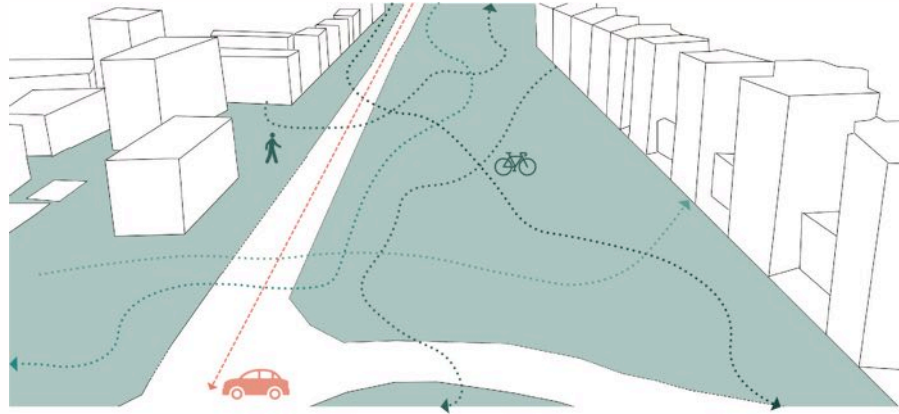
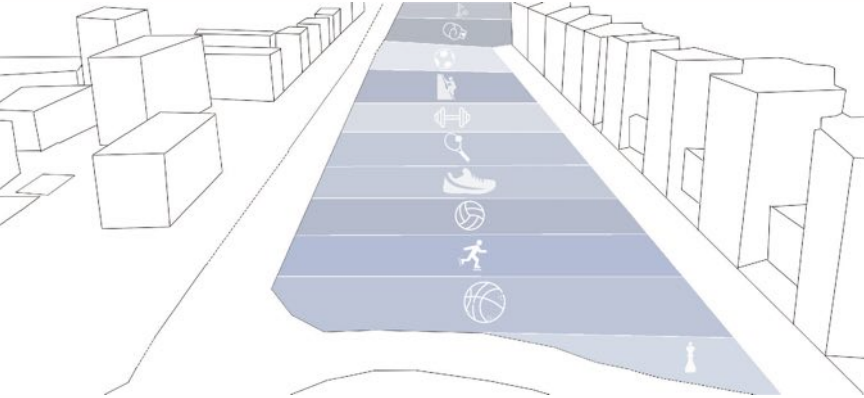


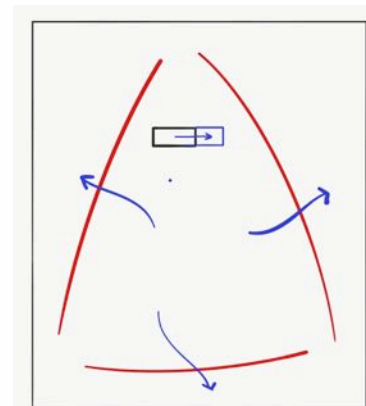
Unpack the neighbourhood





Unpack the neighbourhood

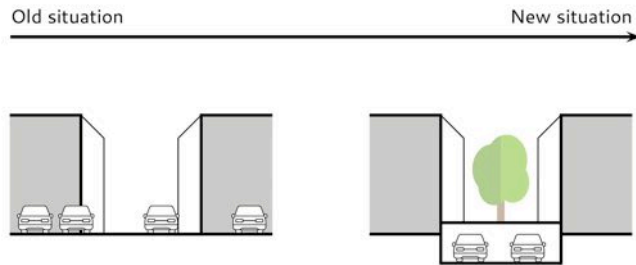




Unpack the neighbourhood

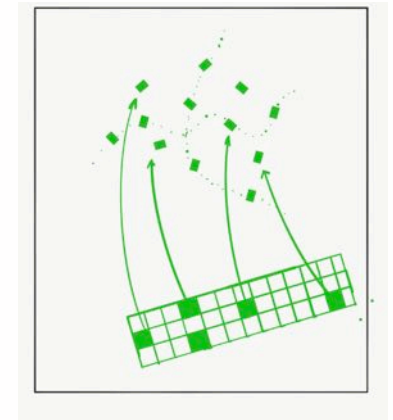
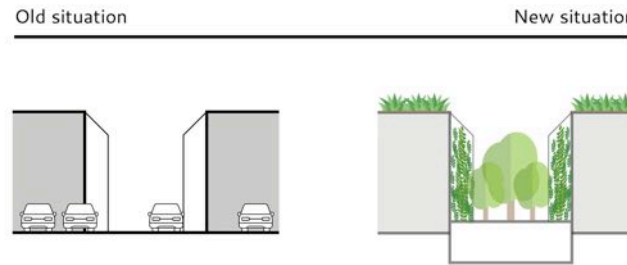


UNDERGROUND PARKING



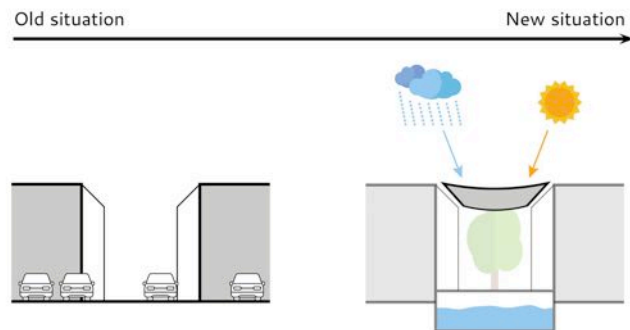
URBAN OASIS

Shading (trees)
Vertical farming/gardens
Rooftop gardens

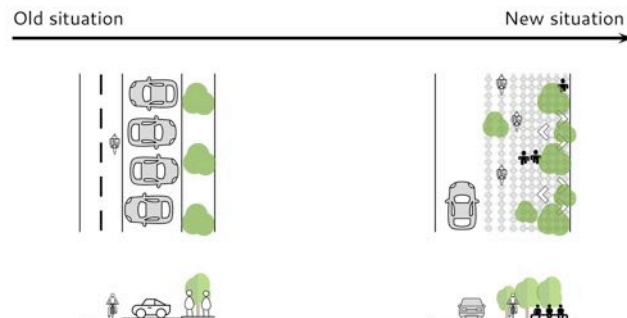


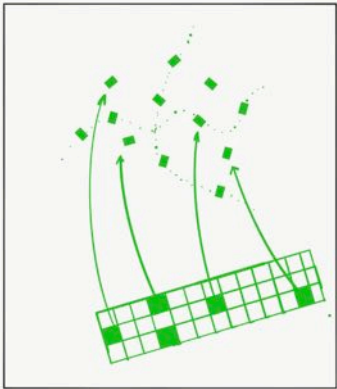
Unpack green space – make oases

SHADING (WATER STORAGE+PV)



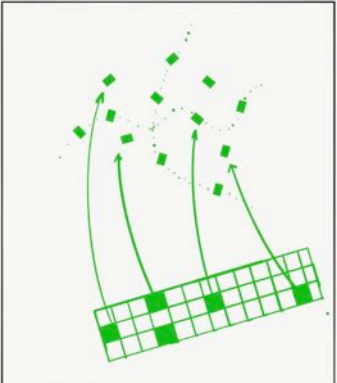
FROM STREET TO SHARED PAVEMENT





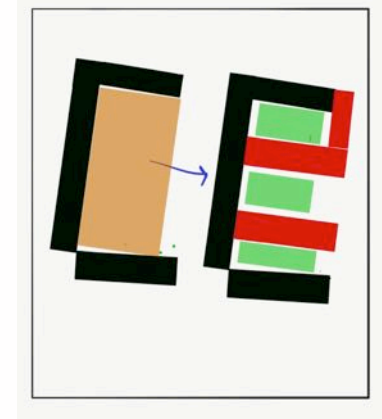
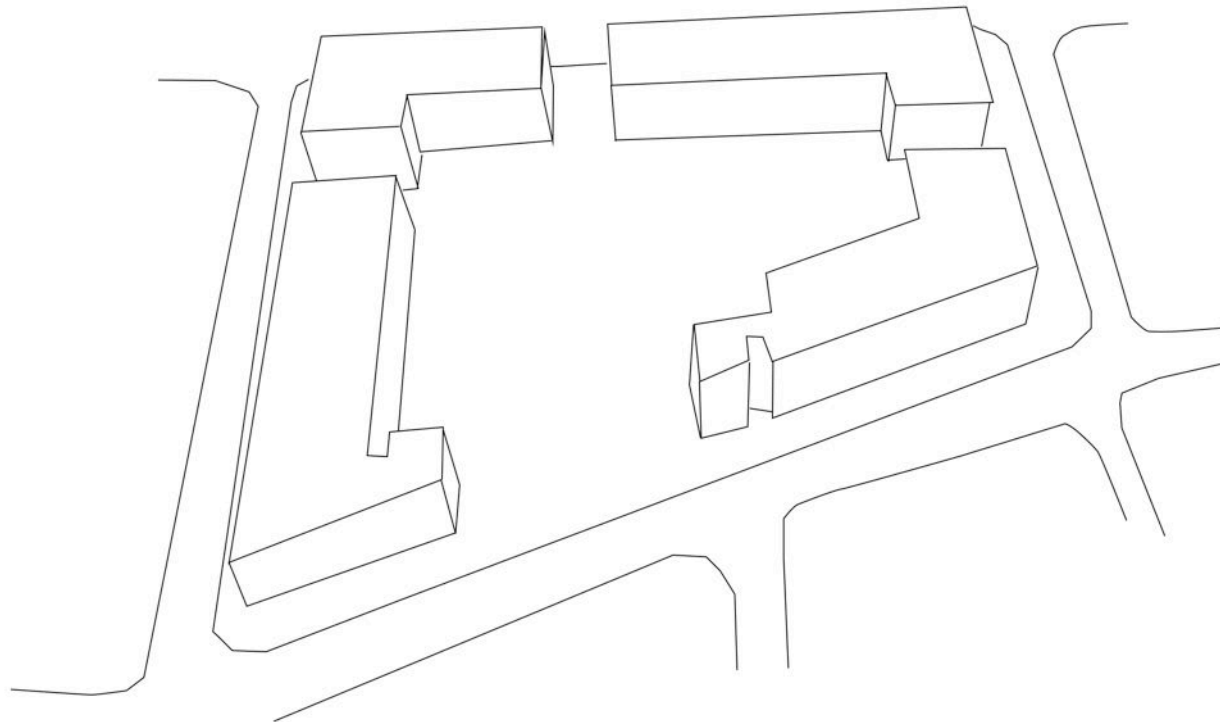
Unpack green space – make oases





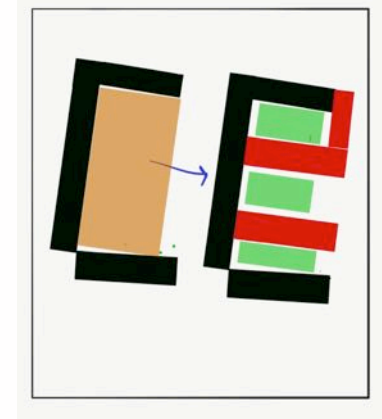
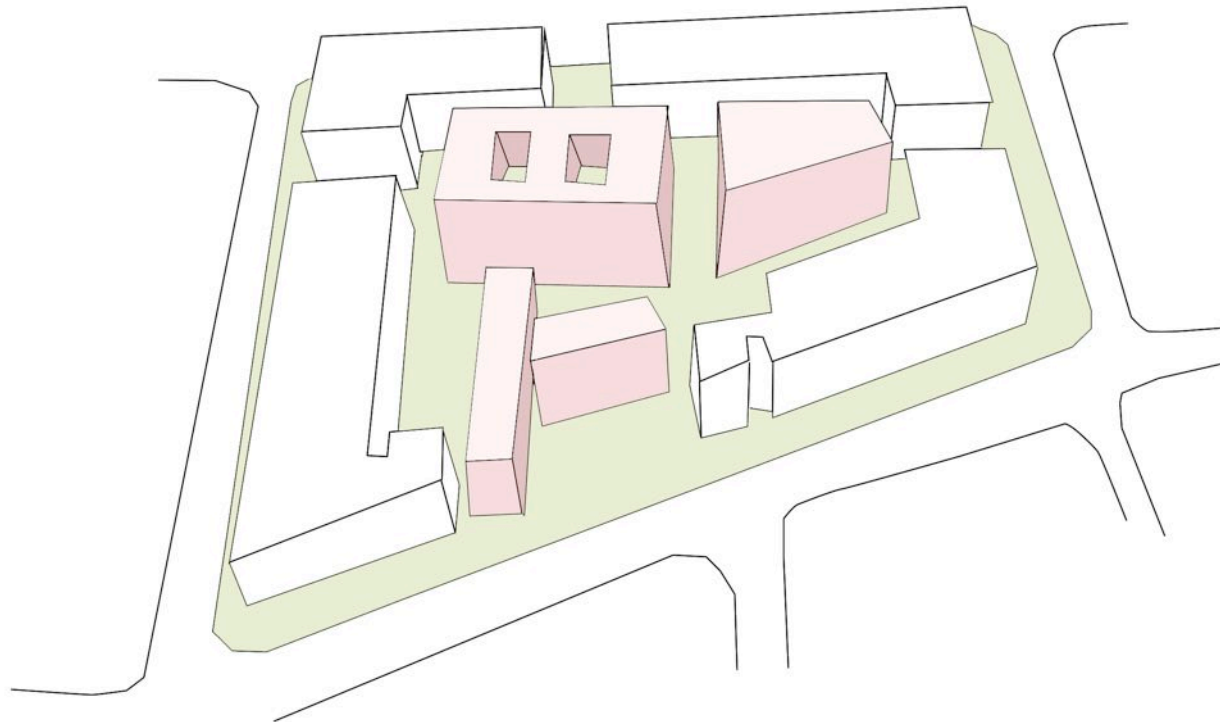
Unpack green space – make oases





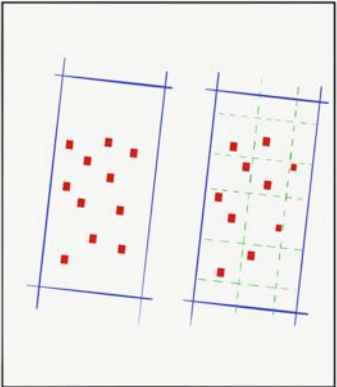
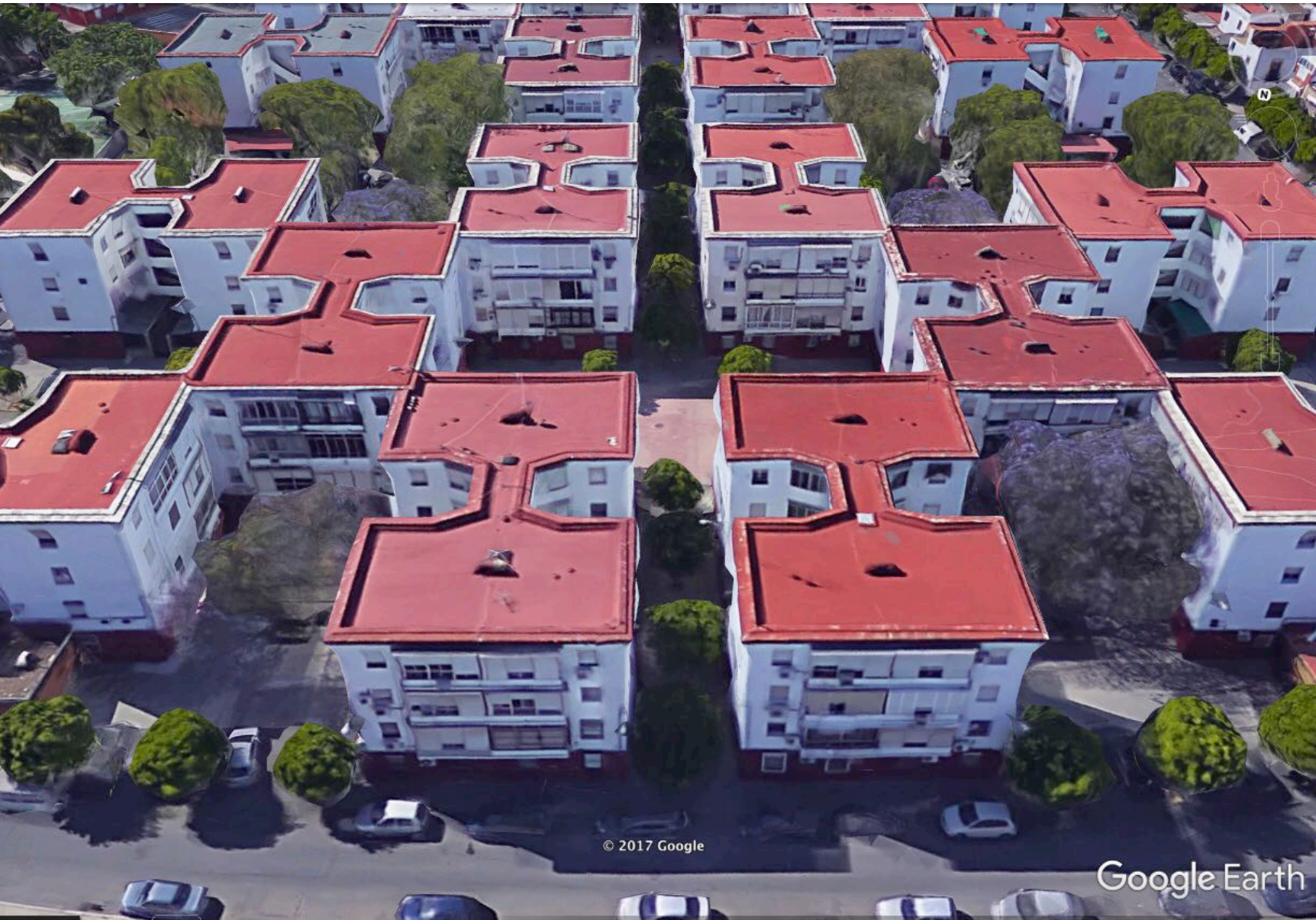
Densify urban
space – create
shade





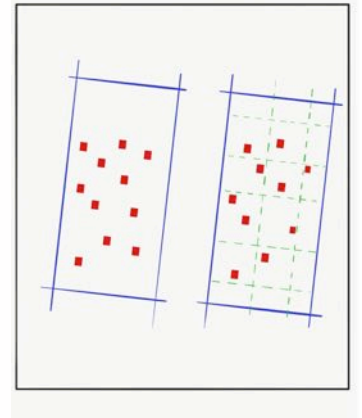
Densify urban
space – create
shade





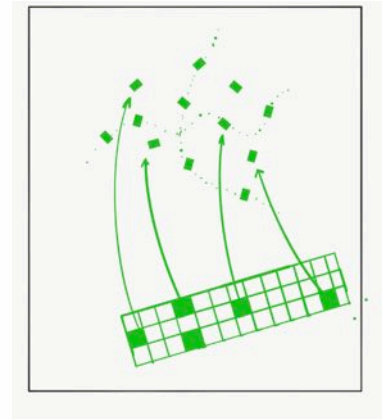
Make small green routes





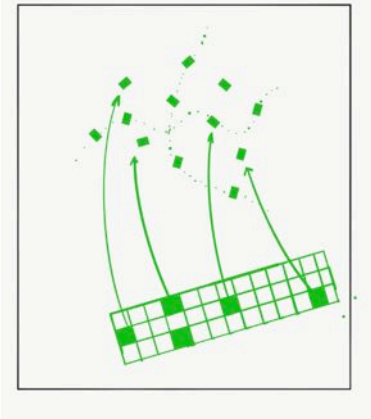
Make small green routes





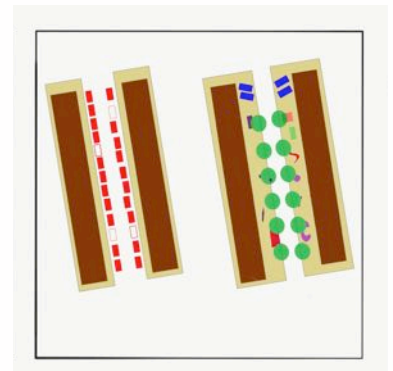
Unpack green space – make oases





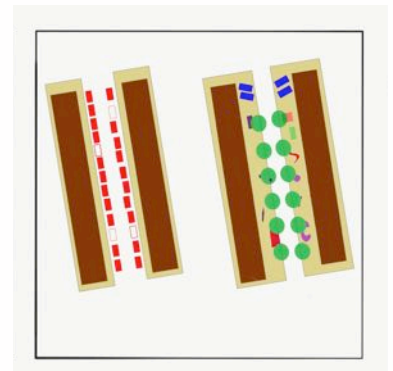
Unpack green space – make oases





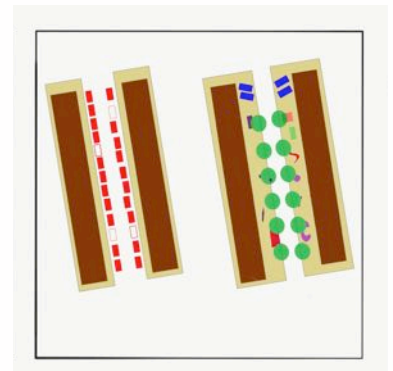
Reclaim the street – with car-share!





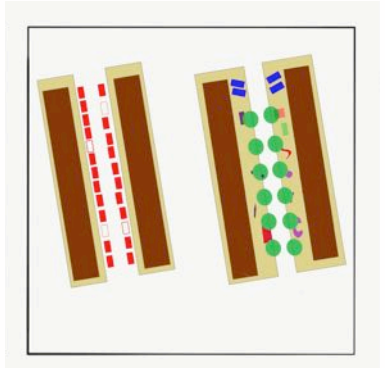
Reclaim the
street – with car-
share!





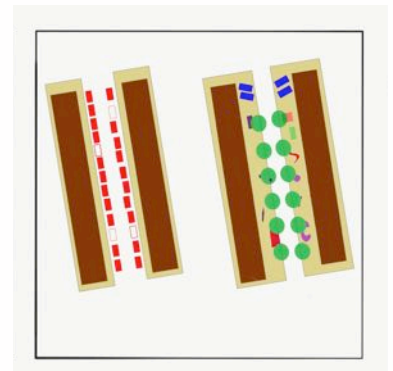
Reclaim the street – with car-share!





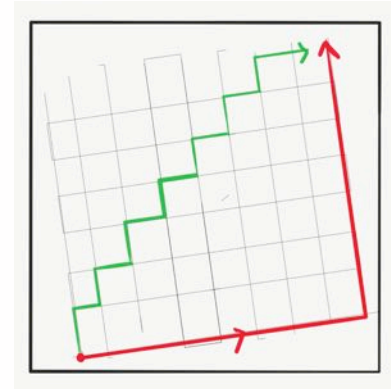
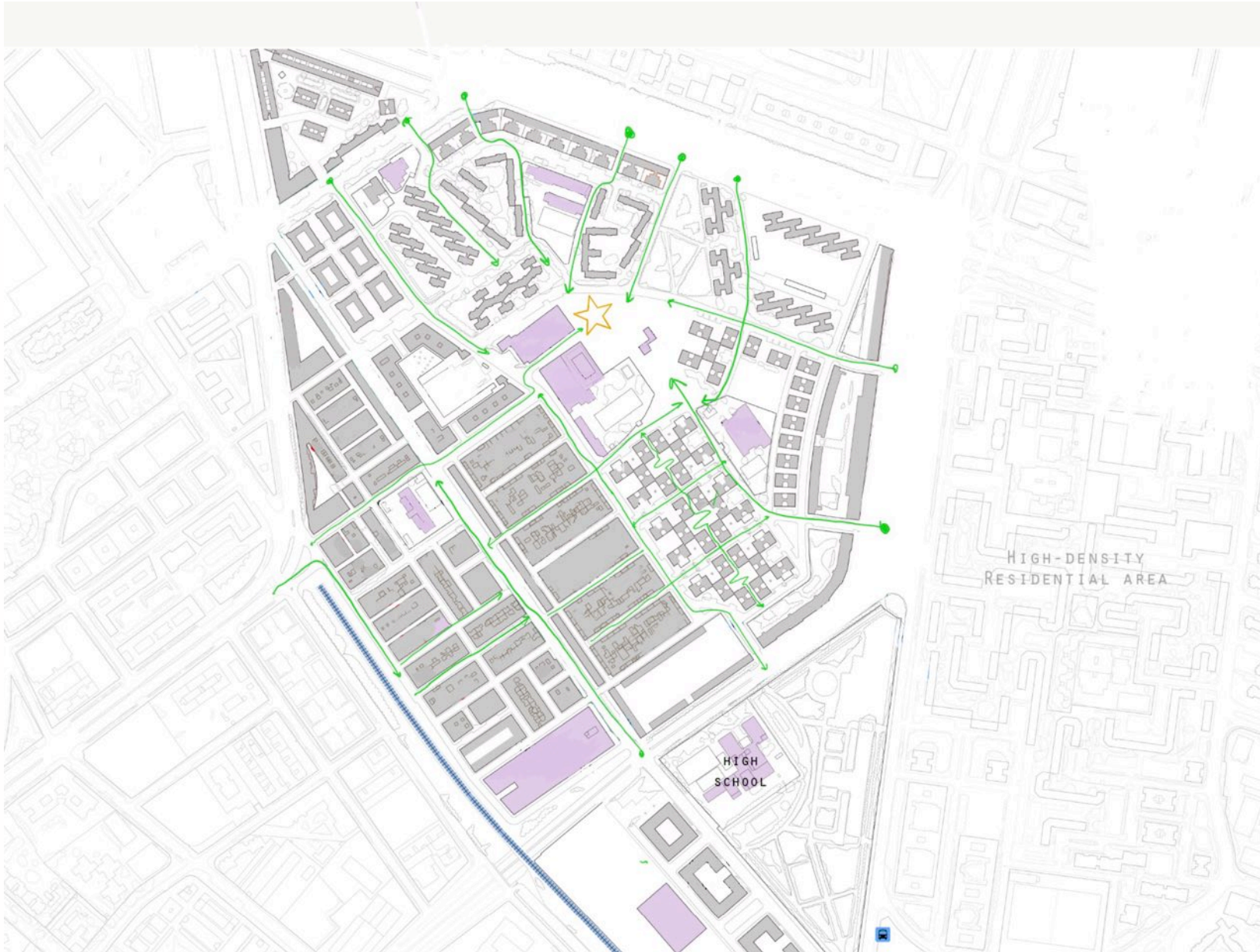
Reclaim the street – with car-share!





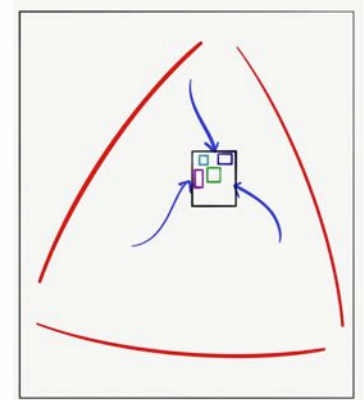
Reclaim the street – with car-share!





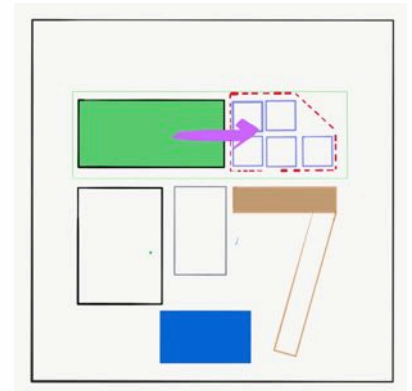
Bike-friendly routes go through the neighbourhood





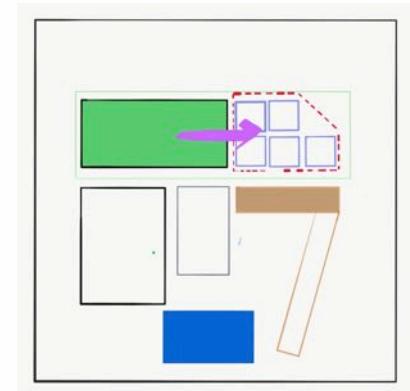
Repack the neighbourhood





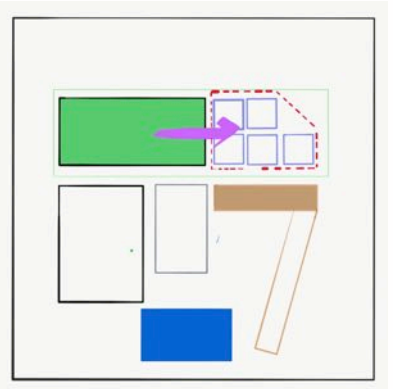
Unpacking the market makes new exciting public space



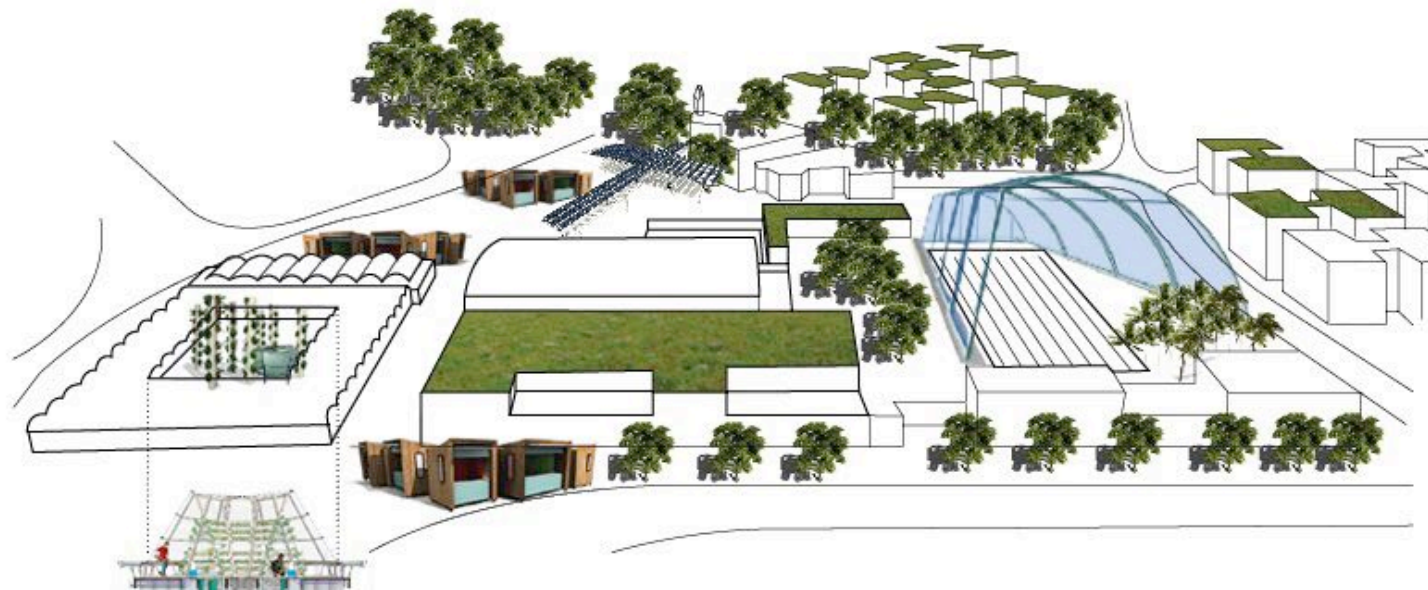


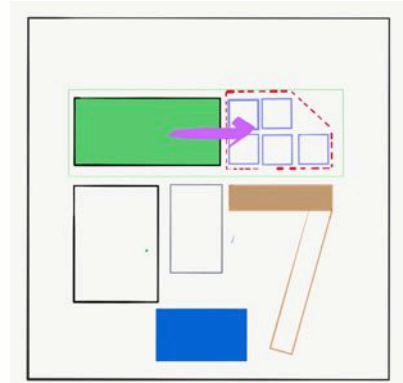
Unpacking the market makes new exciting public space





Unpacking the market makes new exciting public space





Unpacking the market makes new exciting public space



10% GREEN



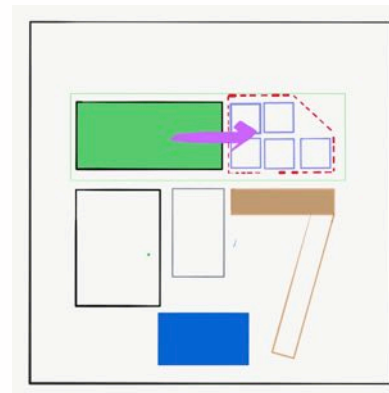
50% GREEN



30% GREEN



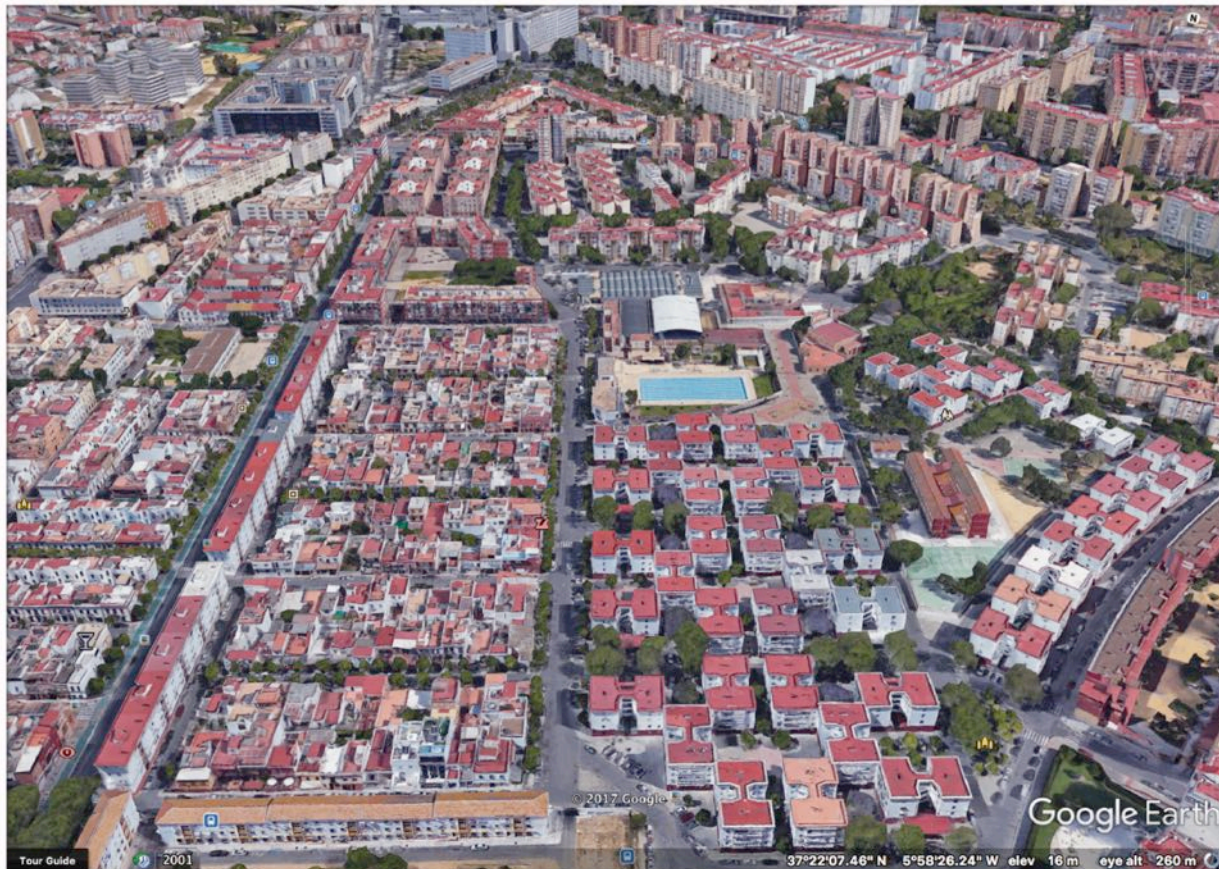
80% GREEN



Unpacking the market makes new exciting public space



NOW



To conclude



STEP 1: 25% GREEN



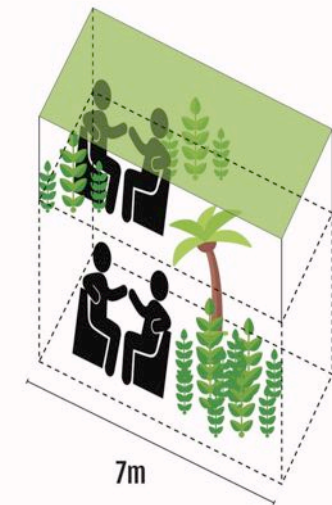
DIFFERENT GREENS



MICRO | TINY COURTYARD | RULES
Ability to sit
One tree/plant/pot



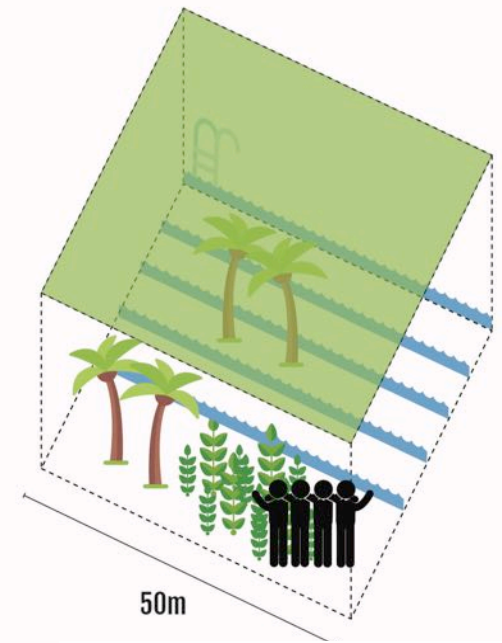
STEP 2: 50% GREEN



MESO | ROOFTOP GARDEN, LARGER COURTYARD | RULES
Ability to sit comfortably and meet friends
More greenery
Shaded



STEP 3: 75% GREEN



MACRO | STREET, CENTRE (POOL) | RULES
Activities present
Fully green
Shaded
Water



STEP 4: 100% GREEN

