

NORSK PLANMØTE 2010

COMPACT CITY OG BÆREKRAFT
HVOR TETT VIL VI BO



JENS KVORNING
PROFESSOR
CENTER FOR BYPLANLÆGNING
KUNSTAKADEMIETS ARKITEKTSKOLE
KØBENHAVN

TÆTHED

**FYSISK TÆTHED EN FORUDSÆTNING FOR BÆREDYGTIGHED
MEN IKKE NOK**

FUNKTIONEL TÆTHED

SOCIAL TÆTHED

KULTUREL TÆTHED

OPLEVELSESMÆSSIG TÆTHED

TÆTHED OG KVALITET

TÆTHED OG STØRRELSE

LÆRINGSPROCES – FAGLIGT OG
ORGANISATORISK

TÆTHED HVORFOR 1

TÆTHED OG BÆREDYGTIGHED

MILJØMÆSSIG BÆREDYGTIGHED / ØKONOMISK BÆREDYGTIGHED / SOCIAL BÆREDYGTIGHED

TÆTHED OG KLIMA

MINDRE RESSOURCEFORBRUG / MINDRE CO2 BELASTNING

BYKONKURRENCE / DEN INNOVATIVE BY

GLOBALISERING / RESTRUKTURERING - POSTINDUSTRIALISME



3 AGENDAS
SUSTAINABILITY / CLIMATE
versus / +

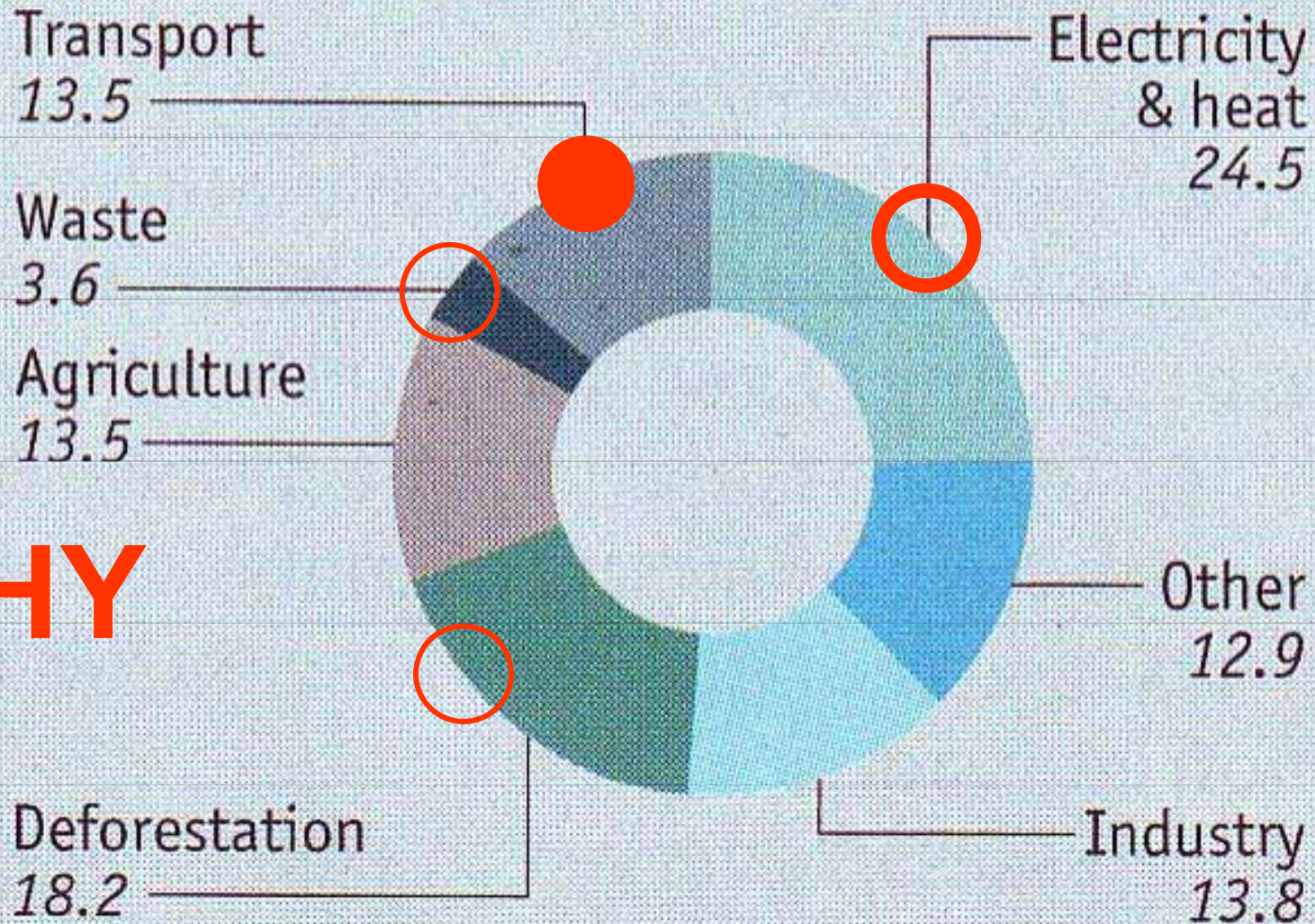


GLOBALIZATION
RESTRUCTURING

Something to work on

World greenhouse-gas emissions by sector
2000, %

POSSIBLE SUSTAINABLE IMPACT FROM URBAN FORM



WHY

BY & TÆTHED & TRANSPORT

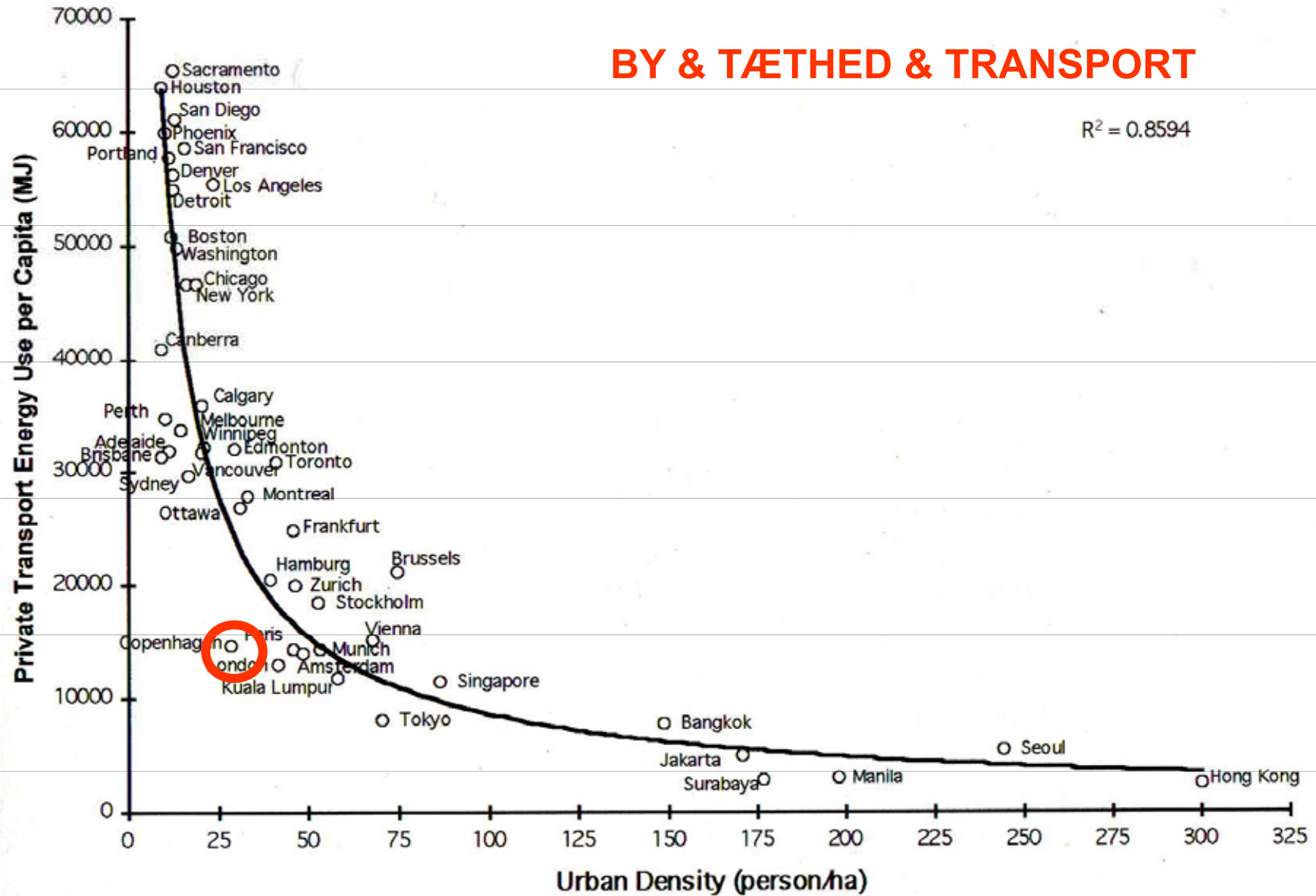
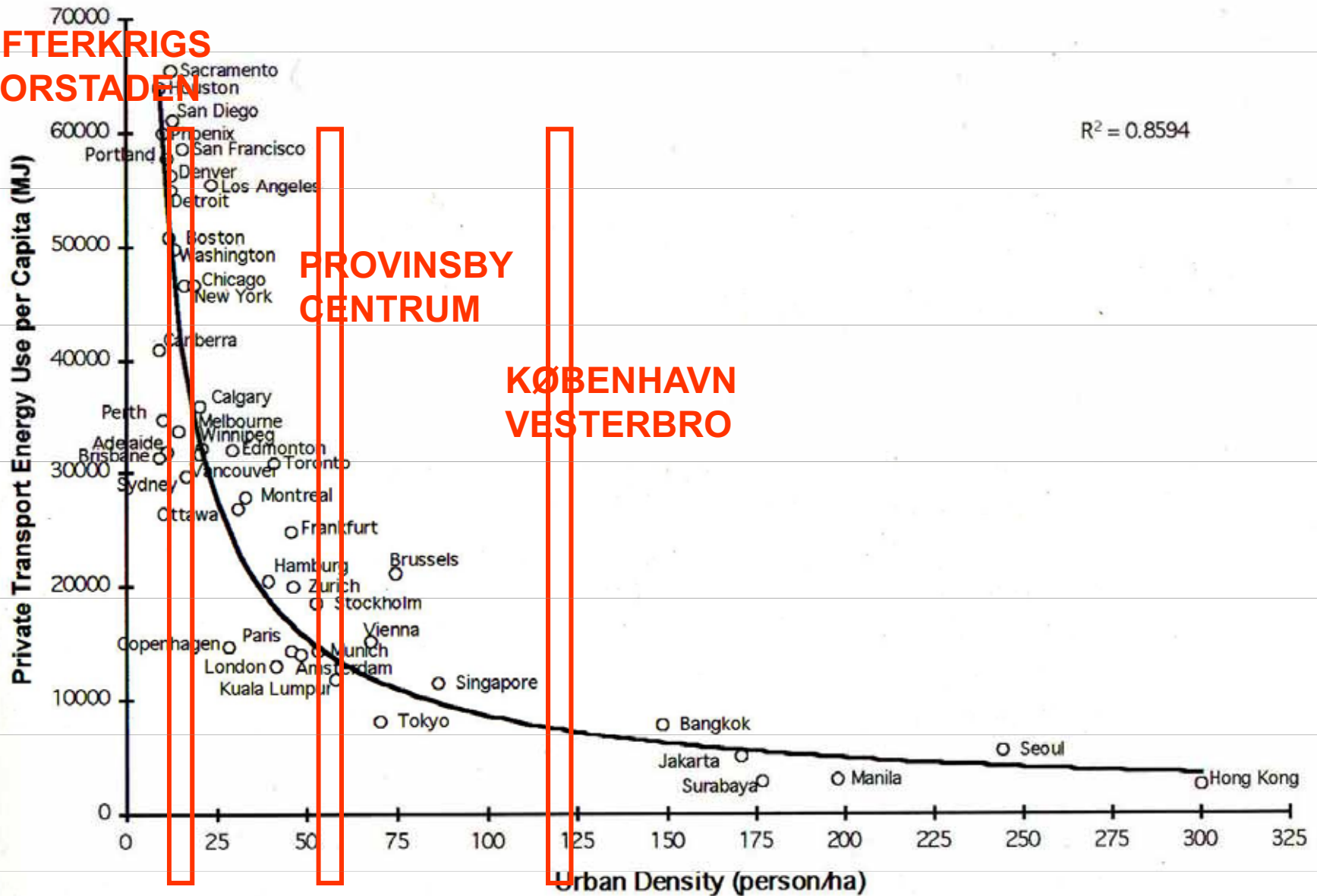


Figure 3.2. Energy use per capita in private passenger travel versus urban density in global cities, 1990.

**EFTERKRIGS
FORSTADEN**



**IN ORDER TO CREATE MORE SUSTAINABLE CITIES AND REGIONS
WE SHOULD LOOK TO THE POST WW2 SUBURBS**

Figure 3.2. Energy use per capita in private passenger travel versus urban density in global cities,

2

HVAD VED VI

WHAT DO WE KNOW

Boliglokalisering og transportadfærd - afstand til centrum afgørende

Daglig
kørsel i bil
- kilometer

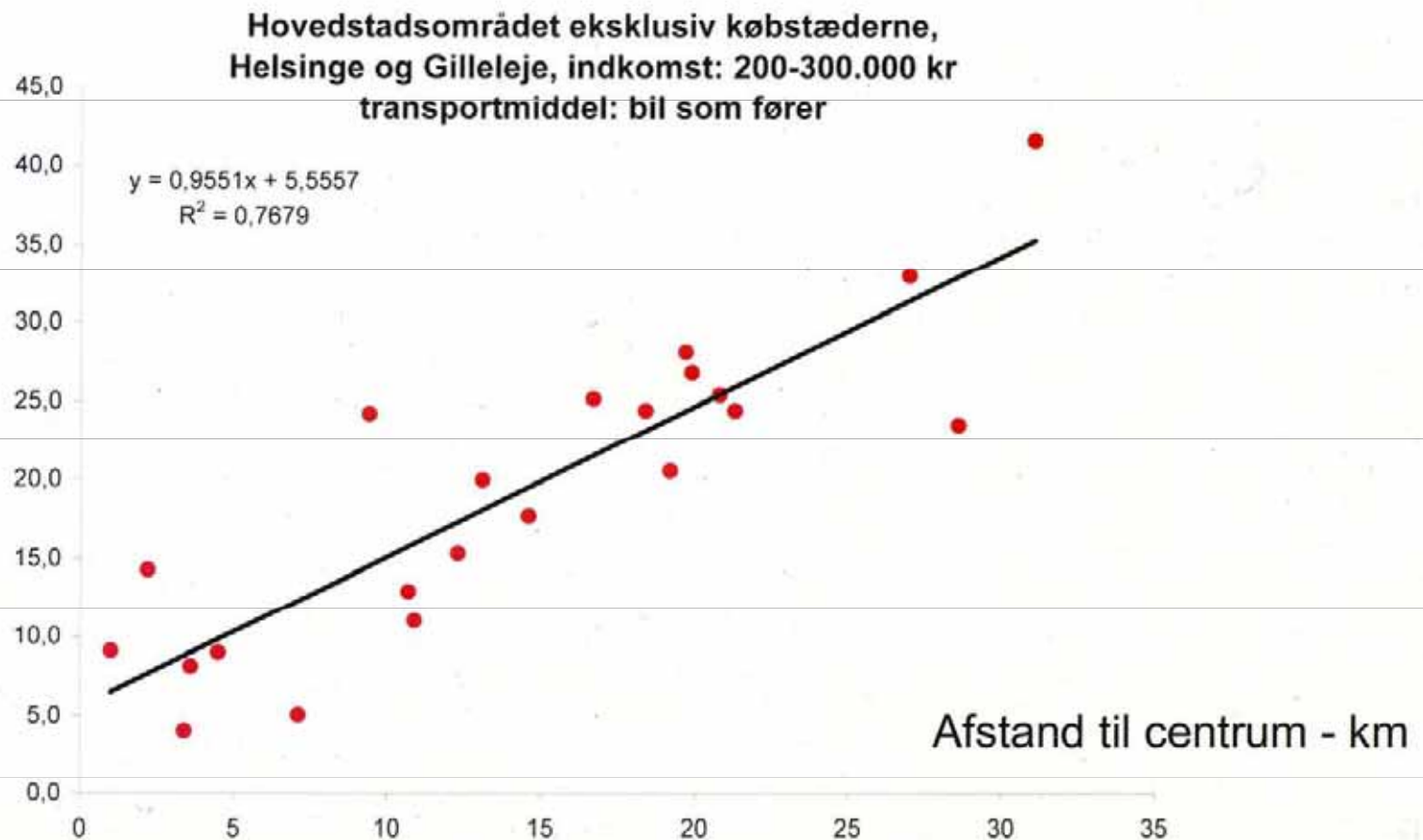
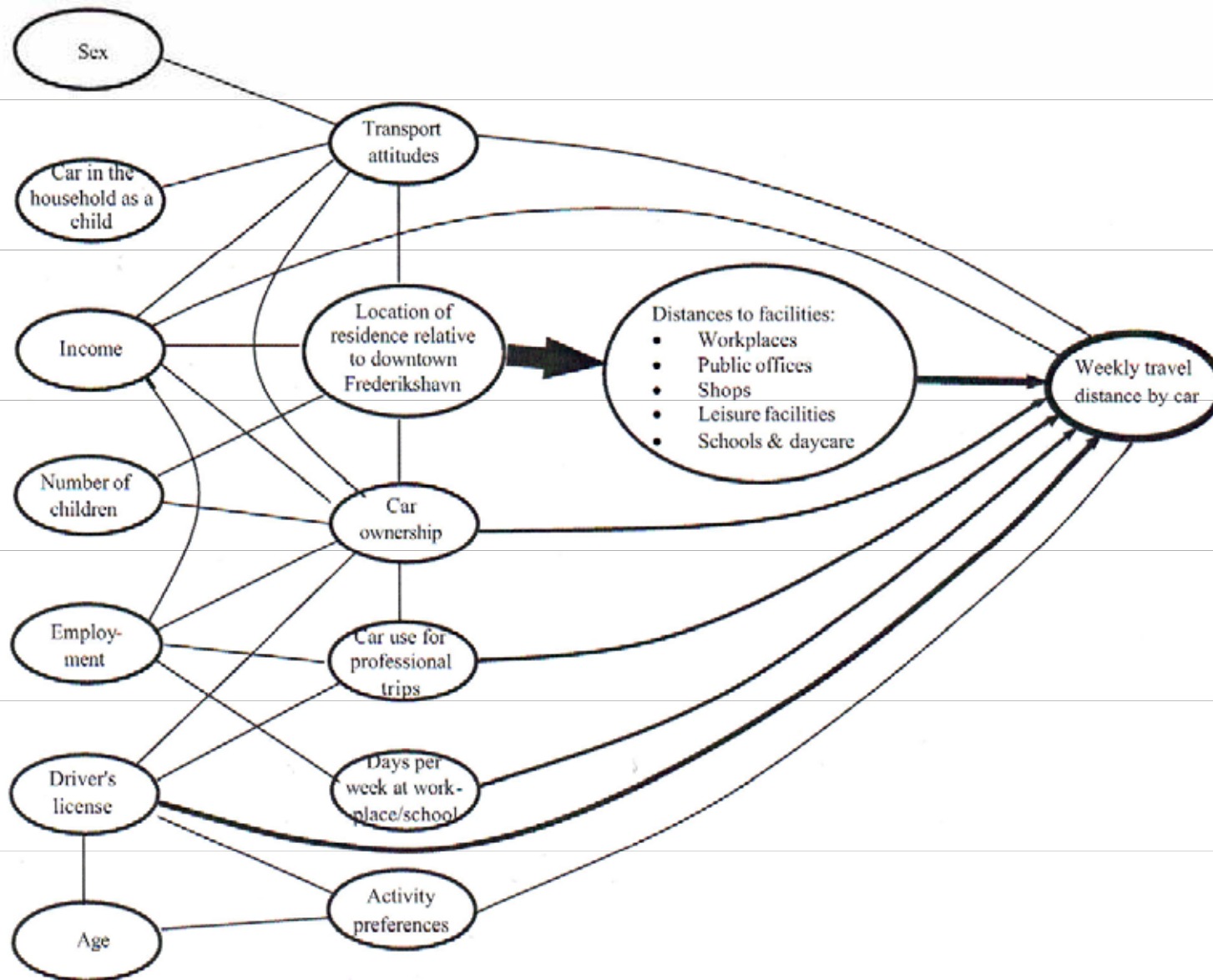
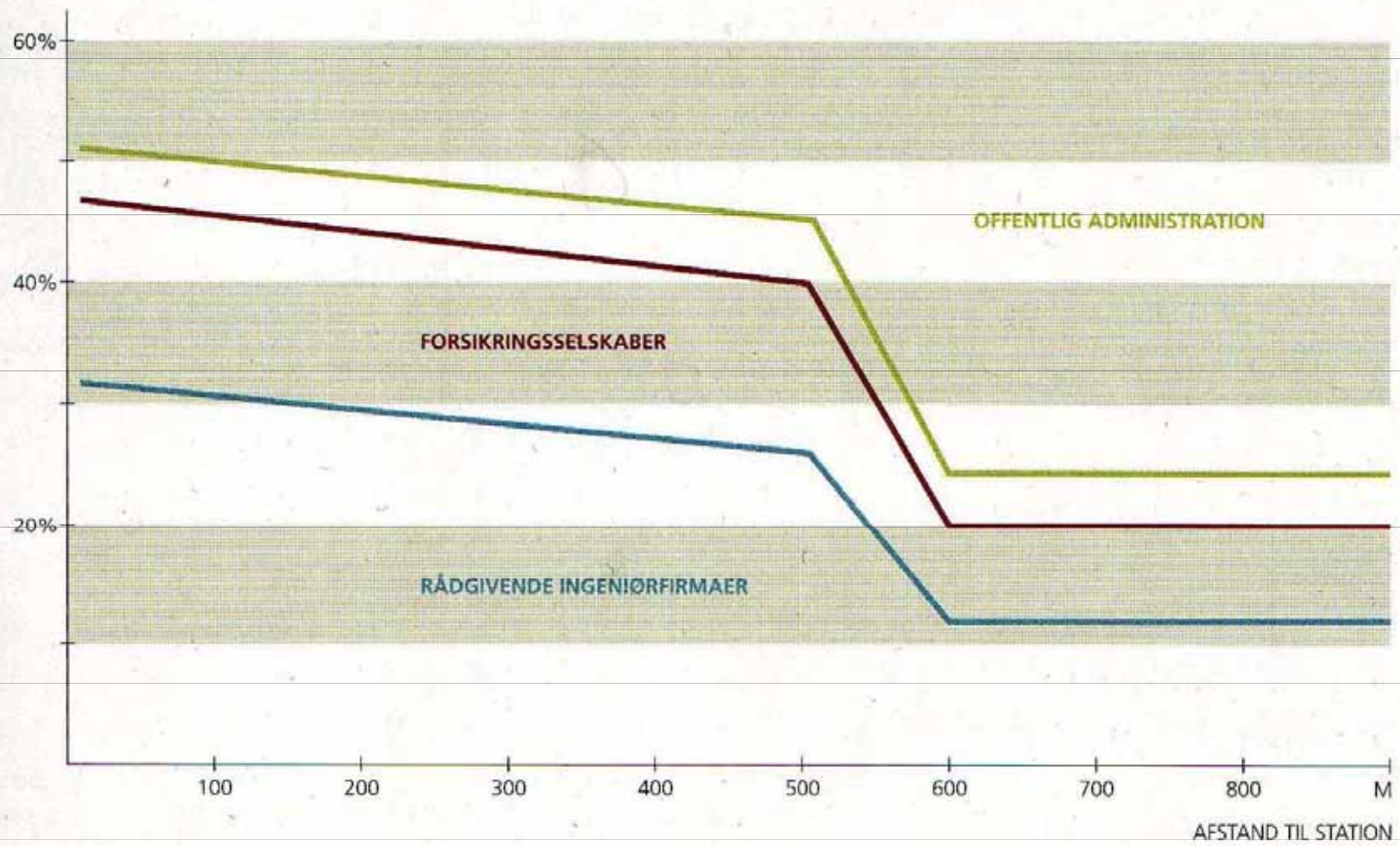


Figure 5
 Causal model of variables influencing the respondents' travel distances by car during the investigated week (measured with logarithmic values). The strengths of the *direct* effects of the various independent variable are indicated by the boldness of the arrows.



ANDEL ANSATTE SOM BENYTTET KOLLEKTIV TRANSPORT TIL OG FRA KONTORARBEJDSPLADSER



- Mixed density
 - high - urban villages
 - medium - 800m around transit stops
 - low - demand responsive transit or cycle distance to transit

- Integrated - residential, commercial and small scale industry
- Sub-centralized - linked to transit and telecommunications

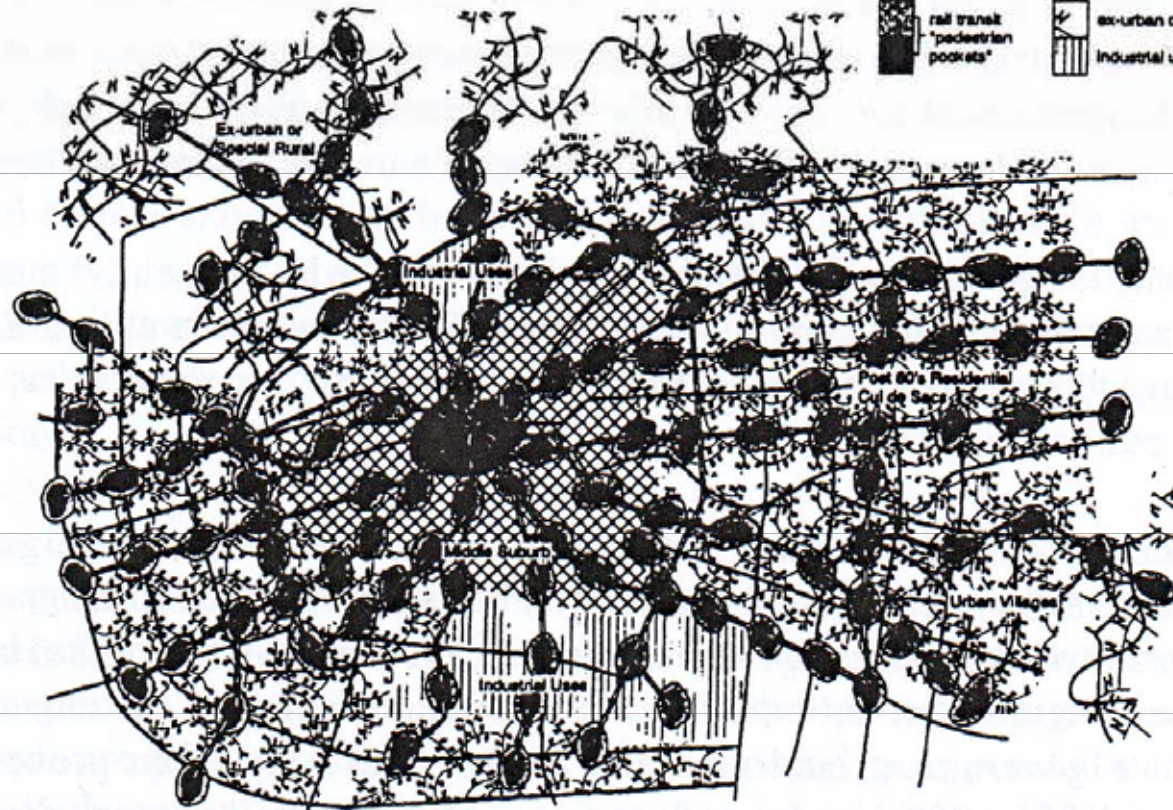
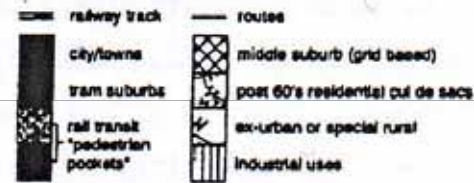
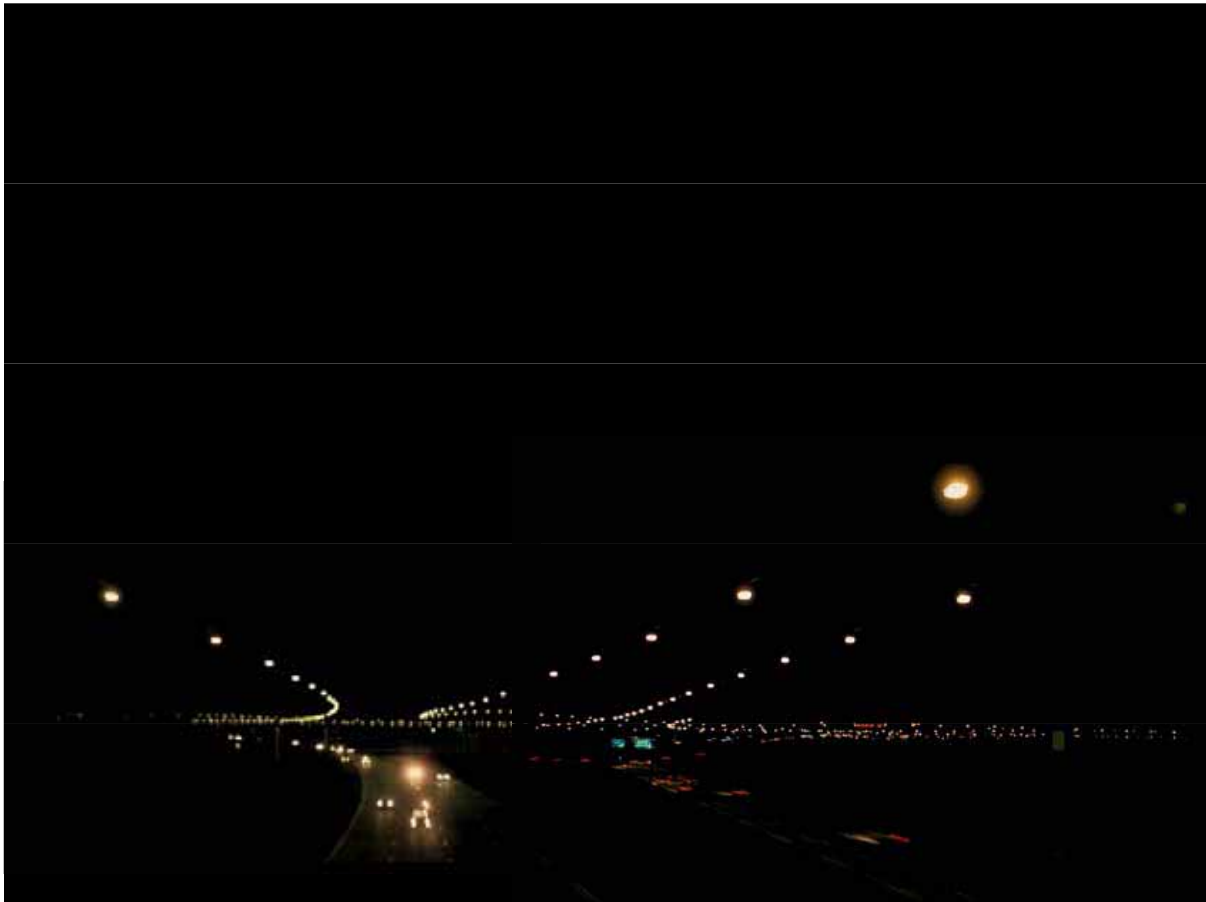
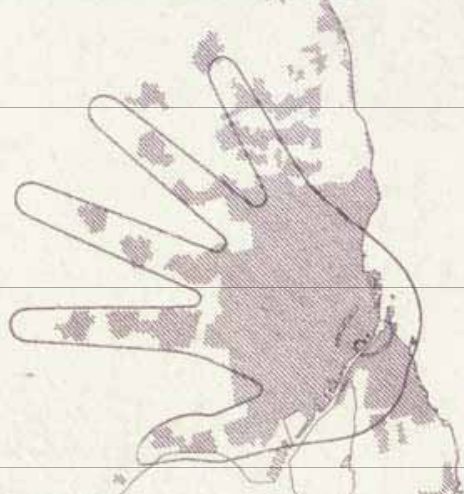


Fig. 8. A conceptual outline of the sustainable city, as it would develop from the car city.



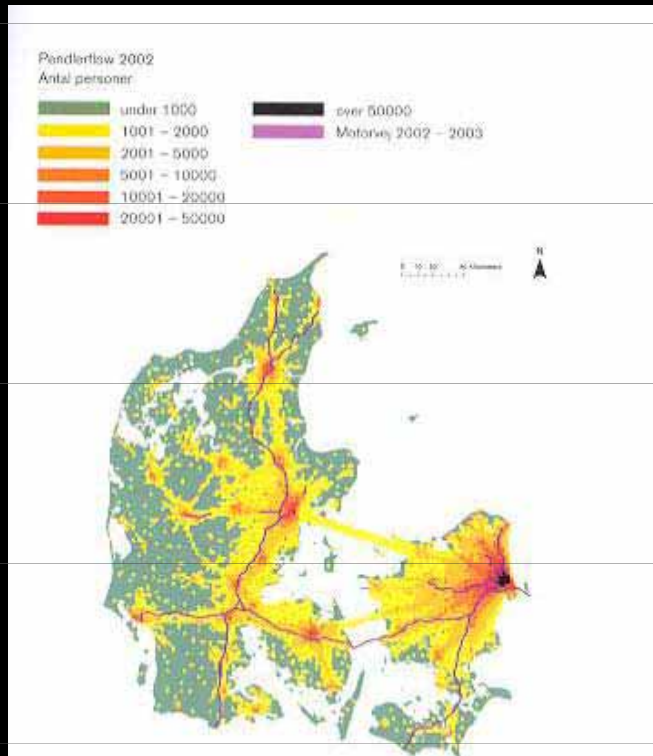
SKITSEFORSLAG TIL EGNPLAN FOR



STORKØBENHAVN

UDARBEJDET 1947 AF EGNPLANKONTORET
(TEKNIKA KONTOR FOR UDVALDET TIL PLANLÆGNING AF KØBENHAVNSREGIONEN)





DER ER EN UDBREDT PREFERENCE FOR ENFAMILIEHUSET

3

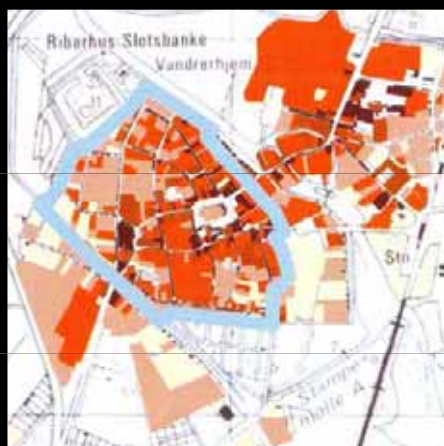
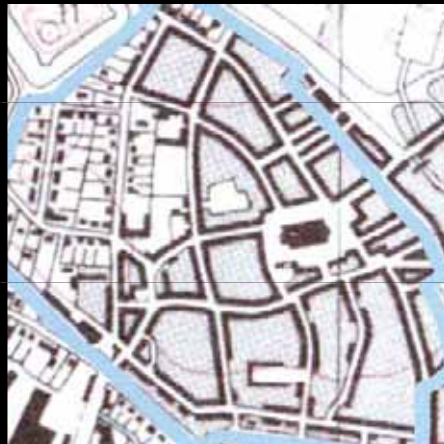
TÆTHED / DENSITY

HVOR TÆT / WHAT SORT OF DENSITY

CBP UDREDNINGSARBEJDE FOR DET DANSKE MILJØMINISTERIUM

UNDERSØGELSE AF TÆTTE BYER / KVARTERER DER OPFATTES SOM ATTRAKTIVE

1200 x 1200 – FODGÆNGERBYEN



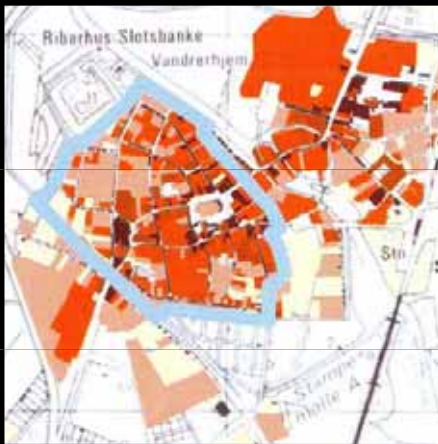
82 / 61 / 36

77 / 46 / 24

126 / 91 / 42

135 / 101 / 125

1200 x 1200 — HVILKEN TÆTHED RUMMER DE FUNKTIONER DER STØTTER DET FULDT UDFOLDEDE DAGLIGLIV



82 / 61 / 36

77 / 46 / 24

126 / 91 / 42

135 / 101 / 125



82 / 61



135 / 101

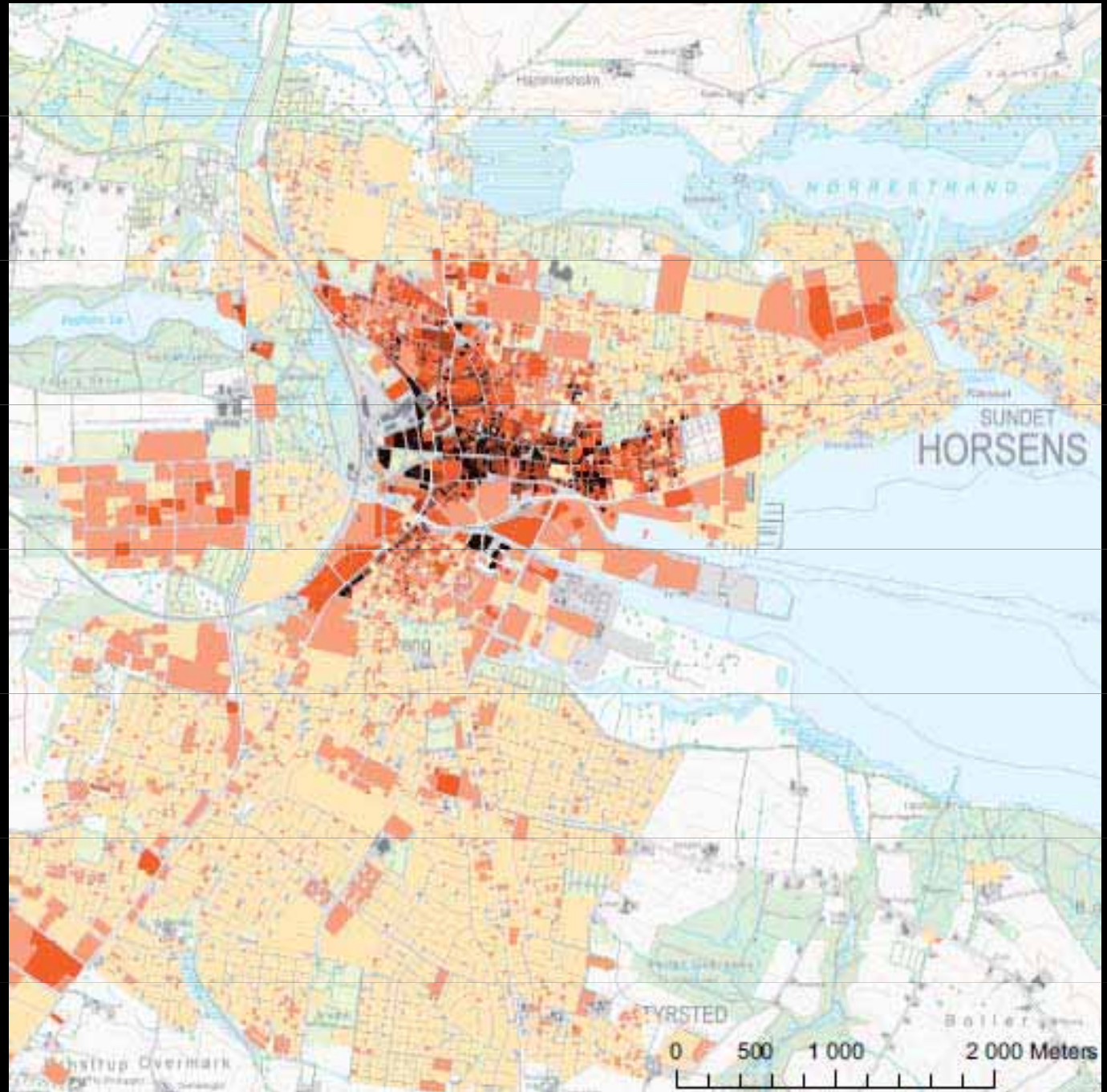


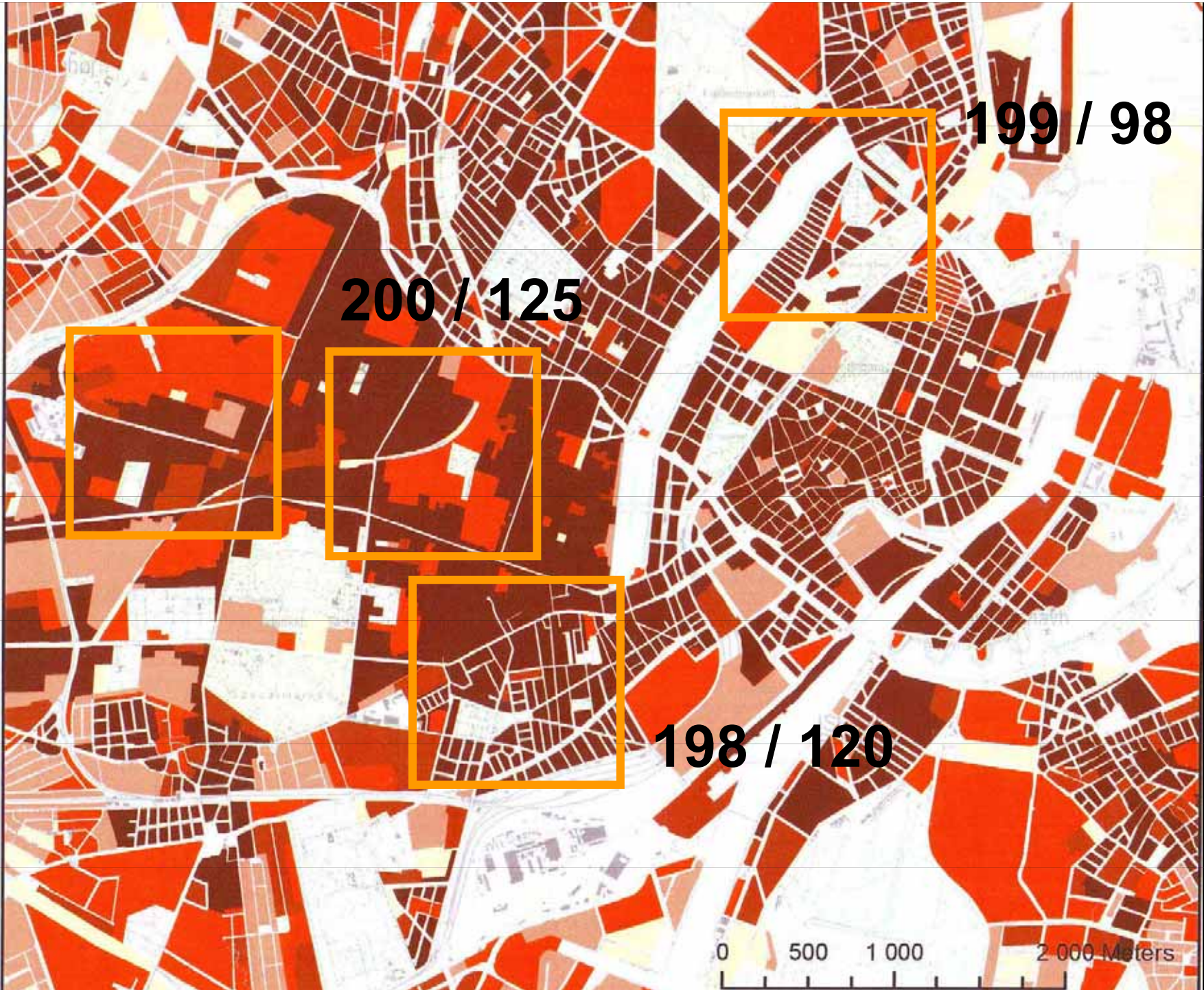
DEN POTENTIELT BÆREDYGTIGE BYSTRUKTUR / TÆTHED / ADFÆRD



**ALLOWS FOR A VARIETY
OF SPACES
AND HOUSINGFORMS**

7000 X 7000
CYKELBYEN
THE
BICYCLE
CITY





BYUDSNIT 1200 X 1200 M

NETTO TÆTHED: 198
BRUTTO TÆTHED: 119

1 : 20.000

BEBYGGELSESPROCENT



SERVICE



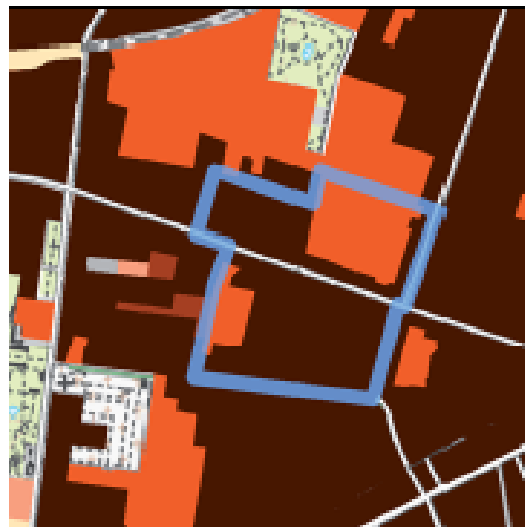
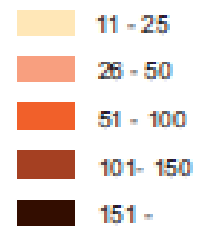


BYUDSNIT 1200 X 1200 M

NETTO TÆTHED: 200
BRUTTO TÆTHED: 128

1 : 20:000

BEBYGGELSESPROCENT



SERVICE

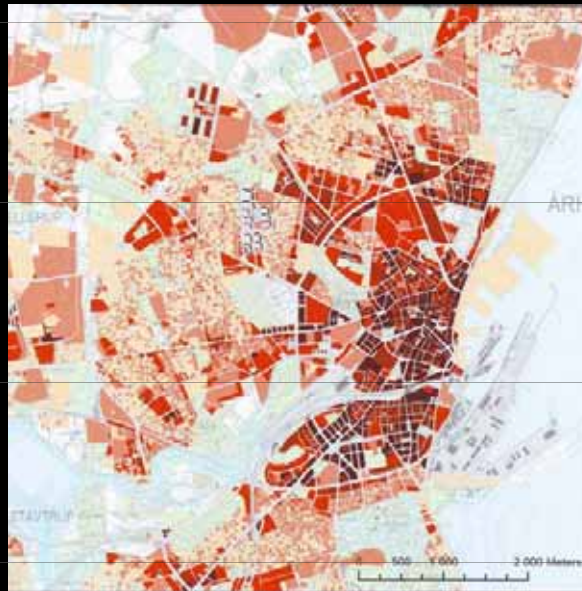
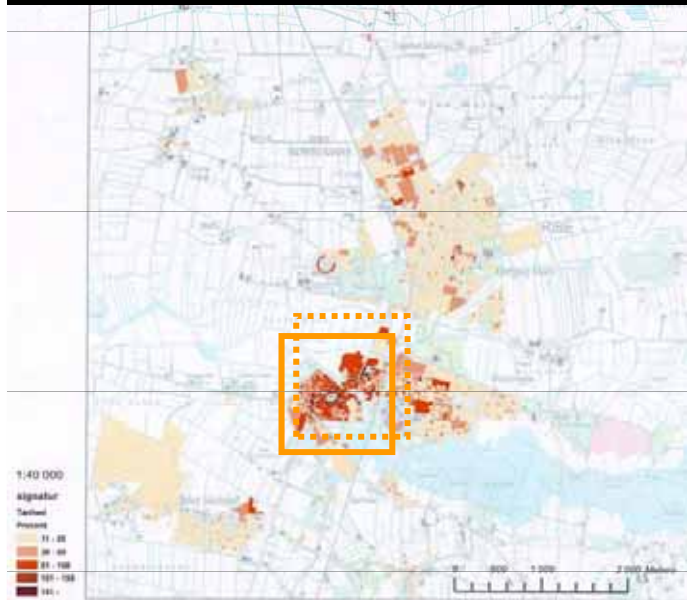


67



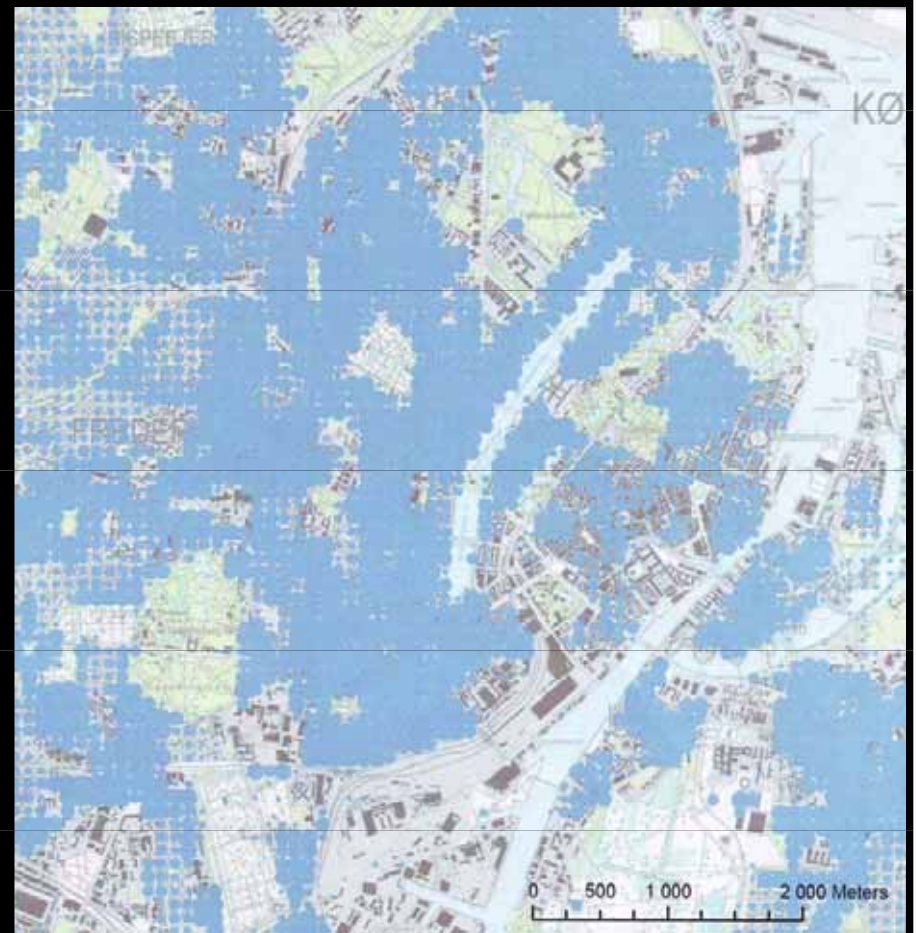
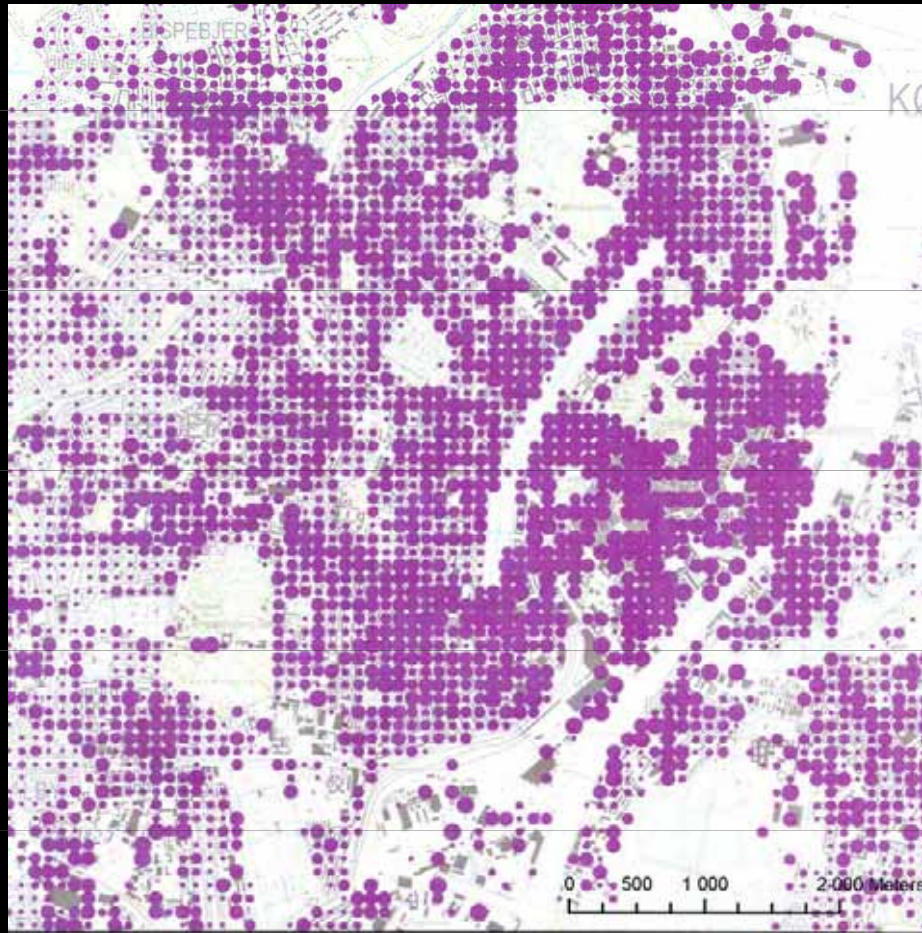
68

TÆTHED / STØRRELSE

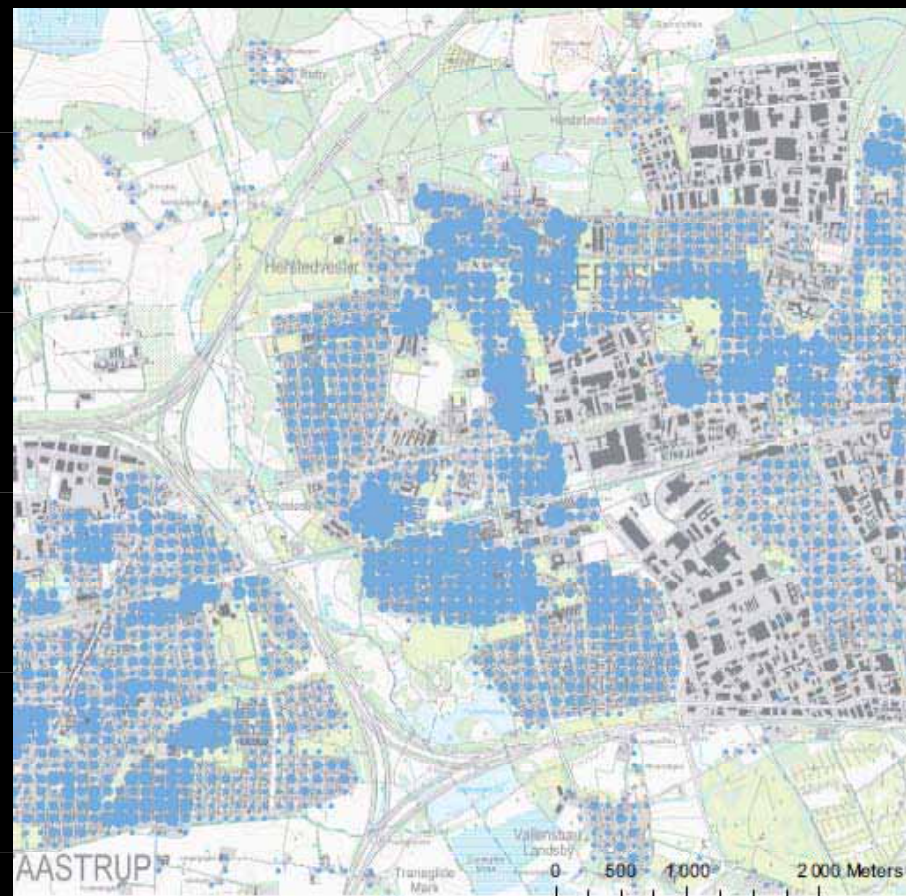
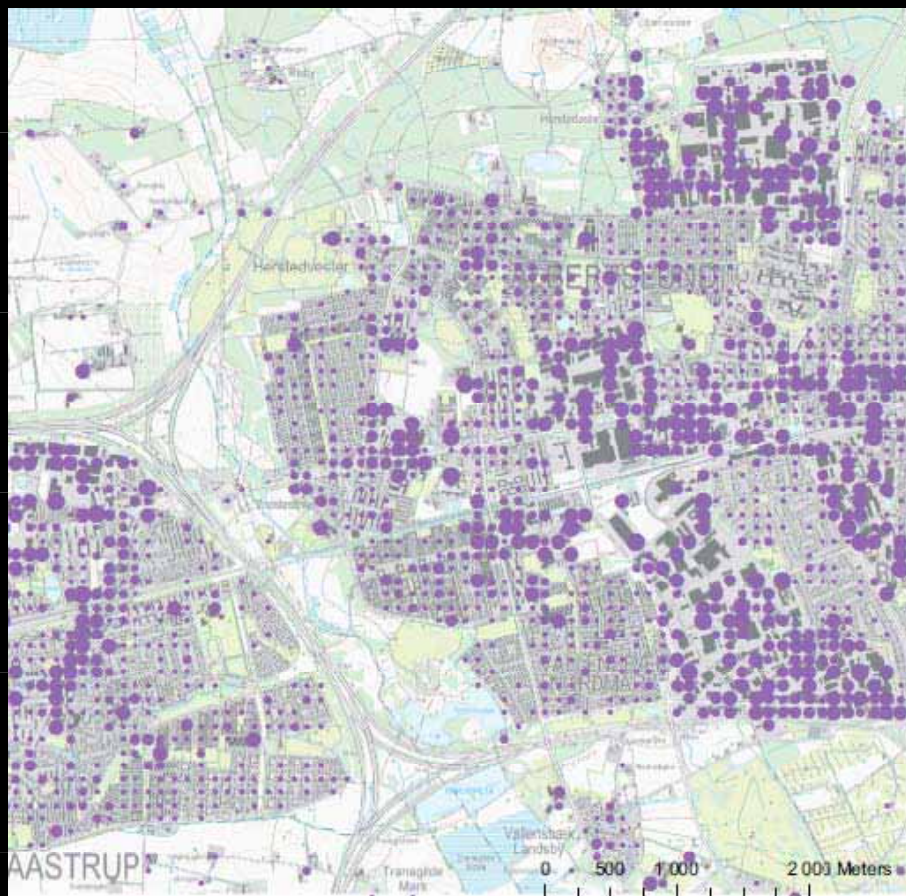


80 BRUTTO / 7 – 12.000 INDBYGGERE ?

BYFORM / STRUKTUR



TÆTBYEN – OVERLAP BOLIGER-ARBEJDSPLADSER



EFTERKRIGSBYEN – ADSKILLELSE BOLIGER - ARBEJDSPLADSER



APPROX 75 UNITS / HA

6 – 10 UNITS / HA



BÆREDYGTIG BYUDVIKLING

DENSITY
IS ABOUT

TRANSFORMATION
ROOM FOR DIFFERENT LIFEFORMS
ROOM FOR MIXED ACTIVITIES
COMMITMENT / OWNERSHIP
ROOM FOR THE UNFOLDED
EVERYDAY LIFE

H V O R D A N

ARBEJDER VI MED OMDANNELSEN TIL EN MERE
BÆREDYGTIG BY

HOW

4

LÆRINGS PROCES / AFLÆRINGS PROCES

VORES FAGLIGE ARV / VORES TÆNKNING

OUR PROFESSIONAL LEGACY

THE OPEN CITY



DENSITY
UNHEALTHY

OPENNESS



OWERCROWDED

NEW BEGINNING

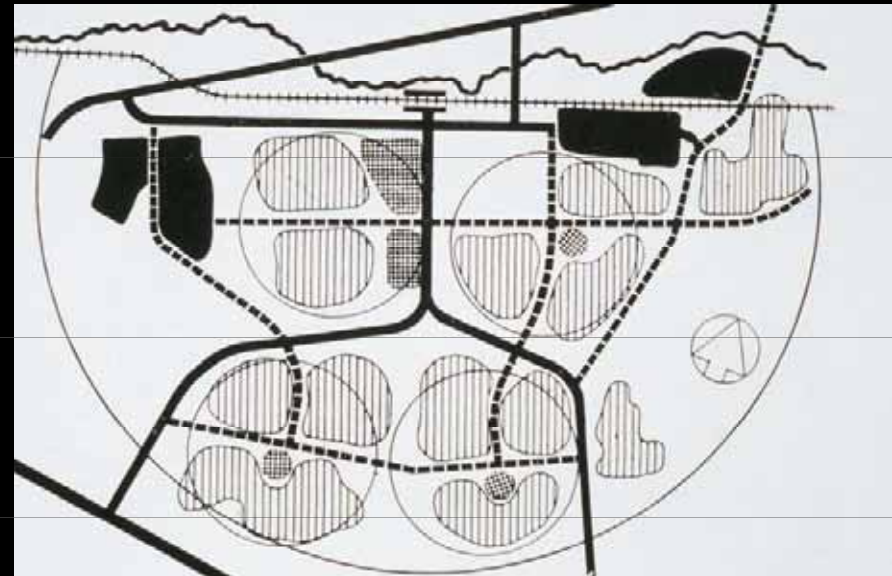
LES 4 FONCTIONS	HABITER	1	
	TRAVAILLER	2	
	CULTIVER LE CORPS ET L'ESPRIT	3	
	CIRCULER	4	
	DIVERS	d	

DENSITY / CONFLICTS

SEPARATE



**MOVING AWAY FROM THE CITY /
CREATING THE MODERN CITY**

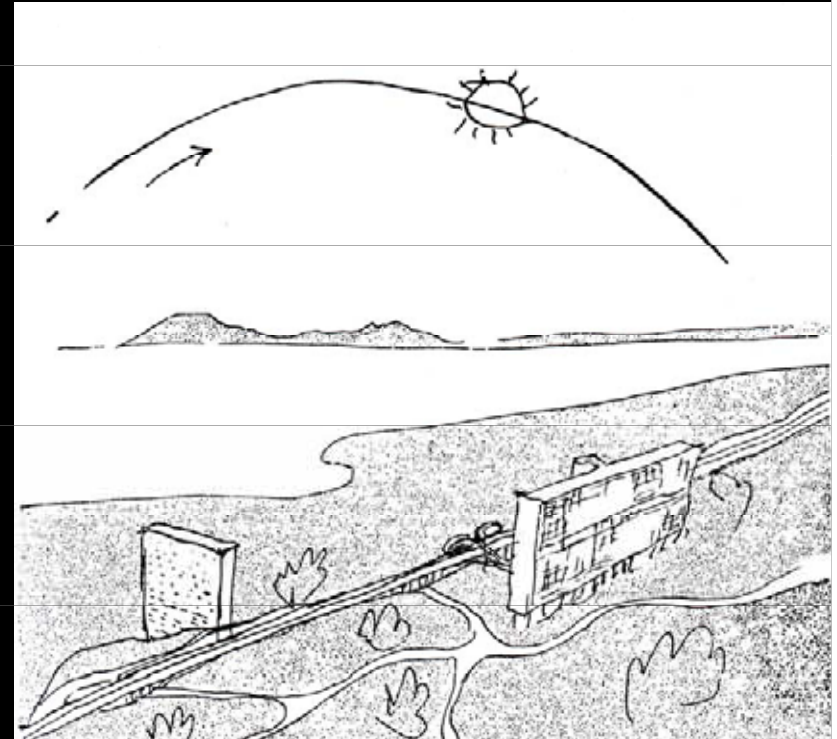


A NEW CITY BASED ON THE LOGIC OF THE CAR

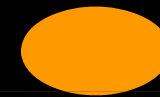
**THE OPEN CITY
THE FRAGMENTED CITY
CONFLICTS AVERTED THROUGH DISTANCE**

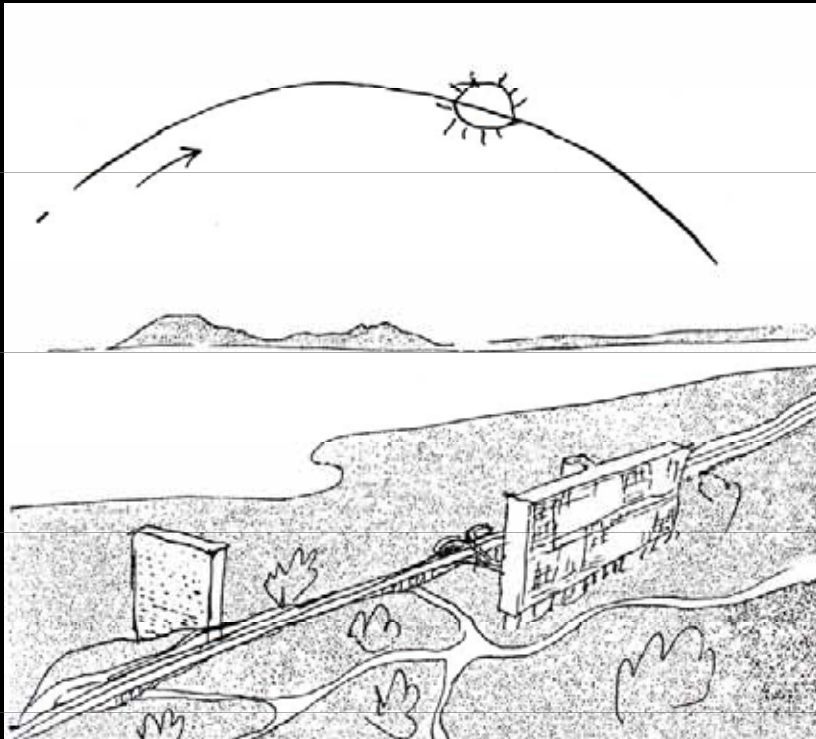


WE NEED TO CREATE A NOT / LESS CAR-BASED CITY



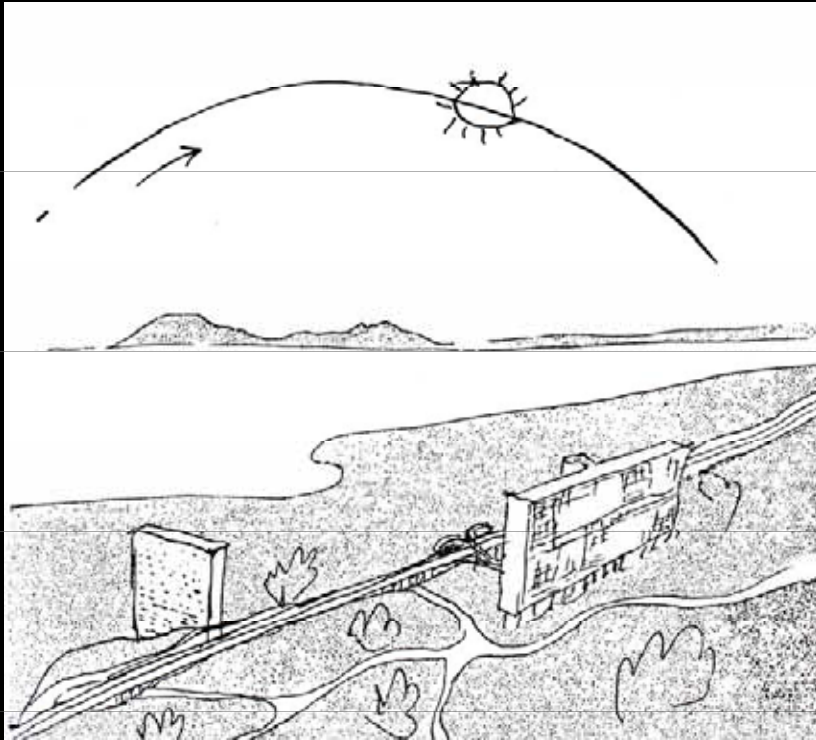
THE STILL ACTIVE IDEALS OF THE PROFESSION





WE NEED TO REEXAMINE OUR PROFESSIONAL
THINKING AND METHODS:

FROM A CITY OF OBJECTS TO URBAN FABRIC
FROM COMPOSITION TO STRUCTURING



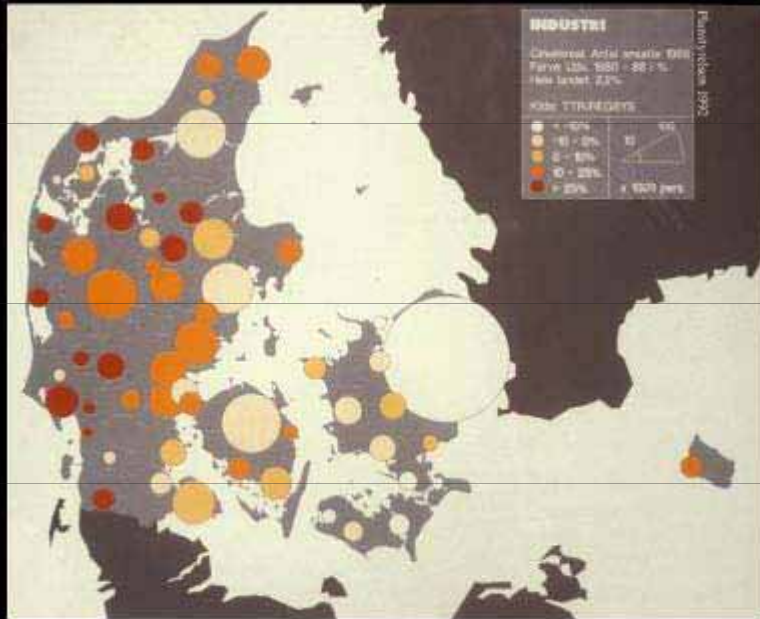
WE NEED TO REEXAMINE OUR THINKING AND METHODS RELATED TO ORGANIZATION.
FROM SECTOR TO PROJECT ORGANISATION.
FROM MASTERPLAN TO GOVERNANCE TO GOVERNANCE THAT FOCUS NOT ONLY ON PROCESSES BUT ARE ABLE TO OPERATE WITH URBAN QUALITIES

HVORDAN ARBEJDER VI MED OMDANNELSEN TIL EN MERE BÆREDYGTIG BY

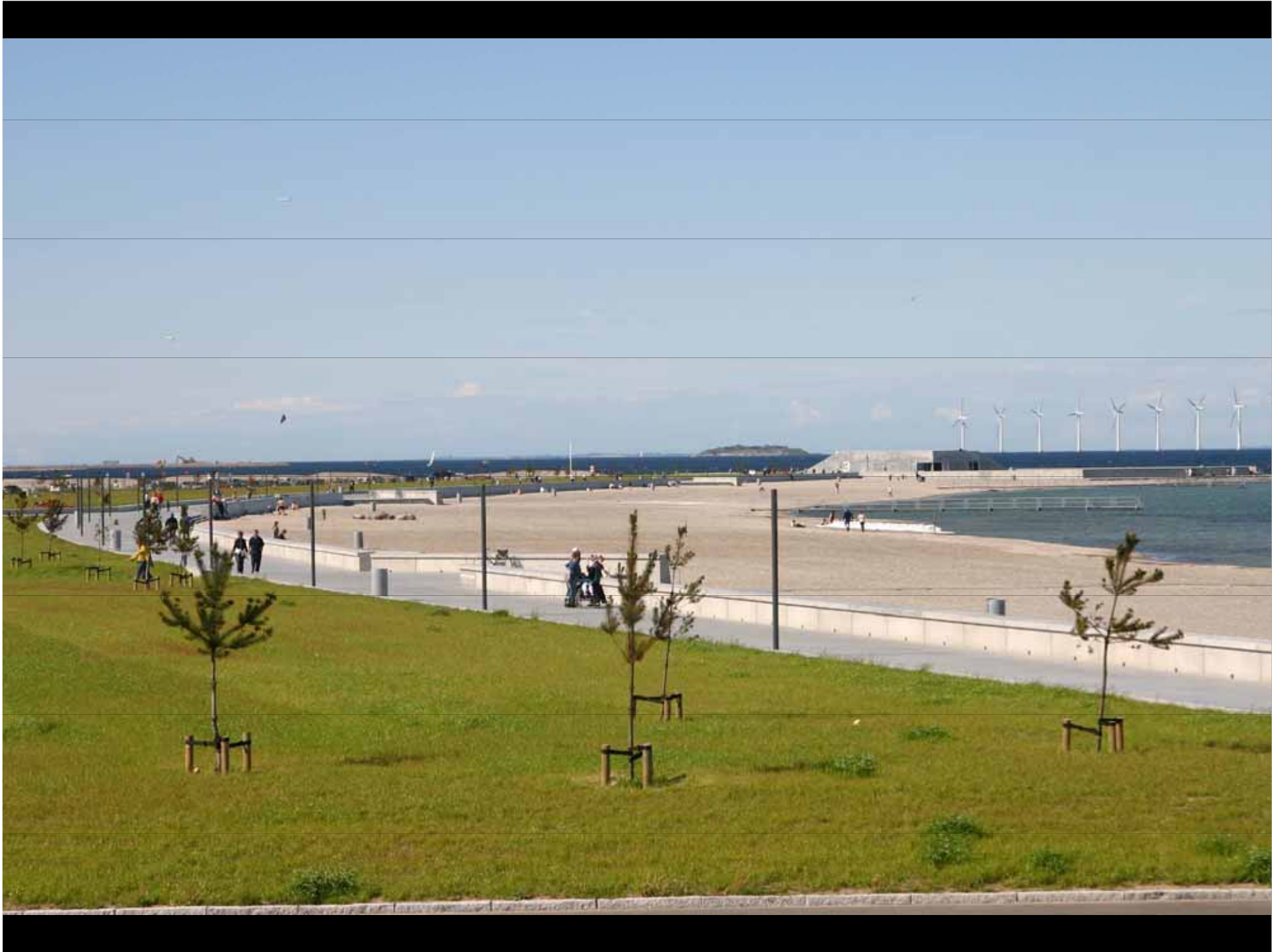
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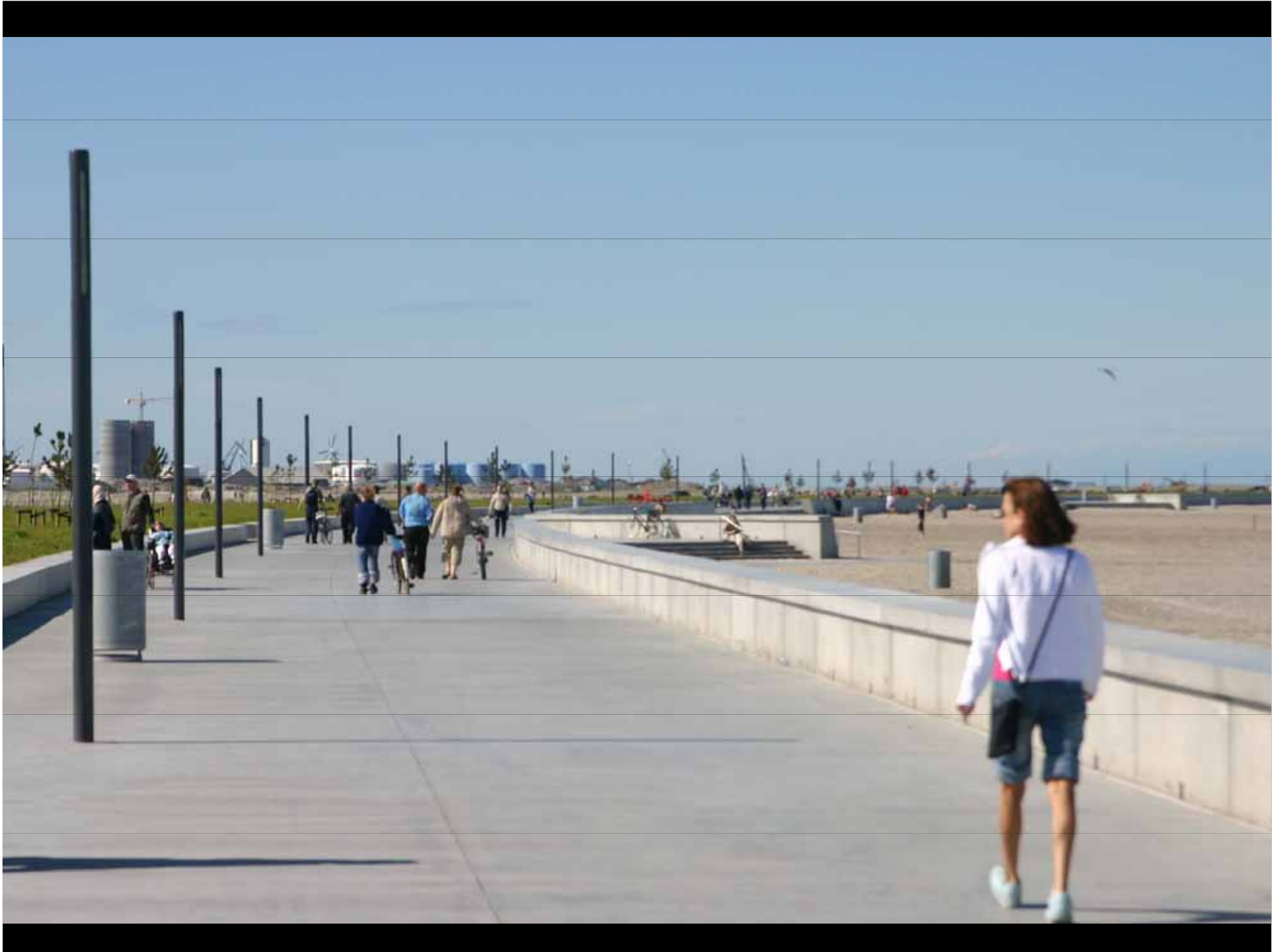
DEN TÆTTE BY / DEN ÅBNE BY

THE DENSE CITY / THE OPEN CITY



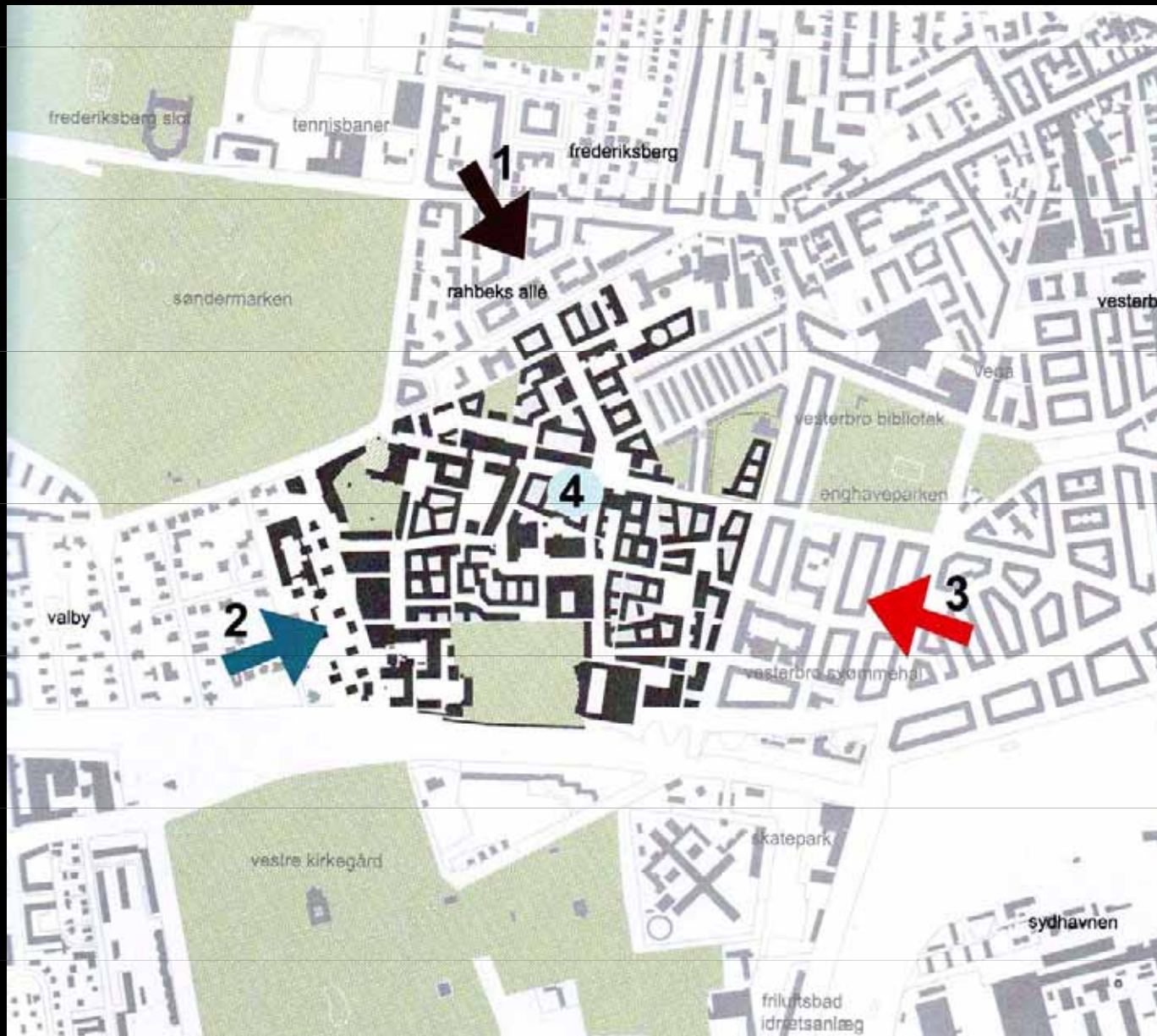






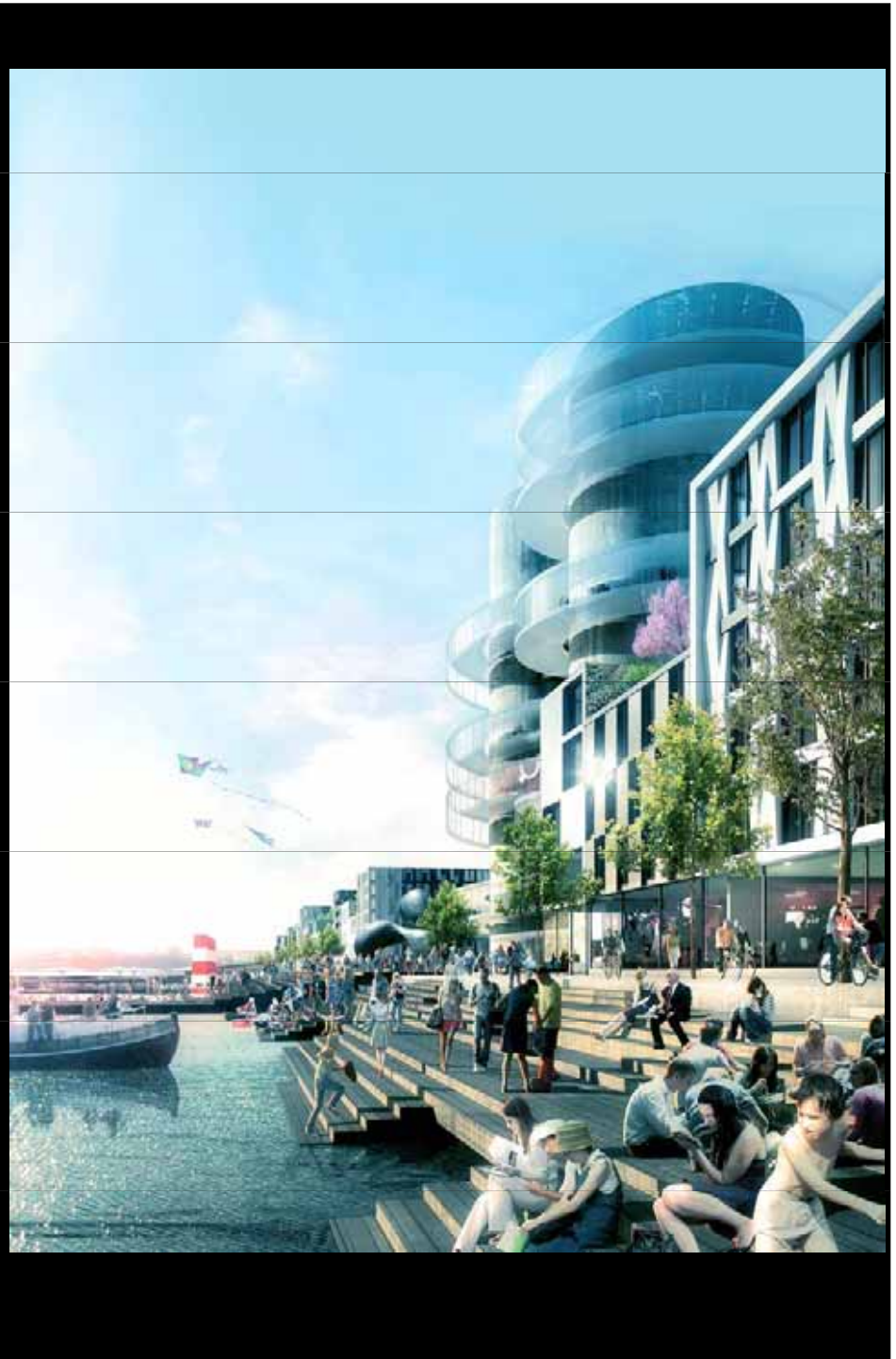












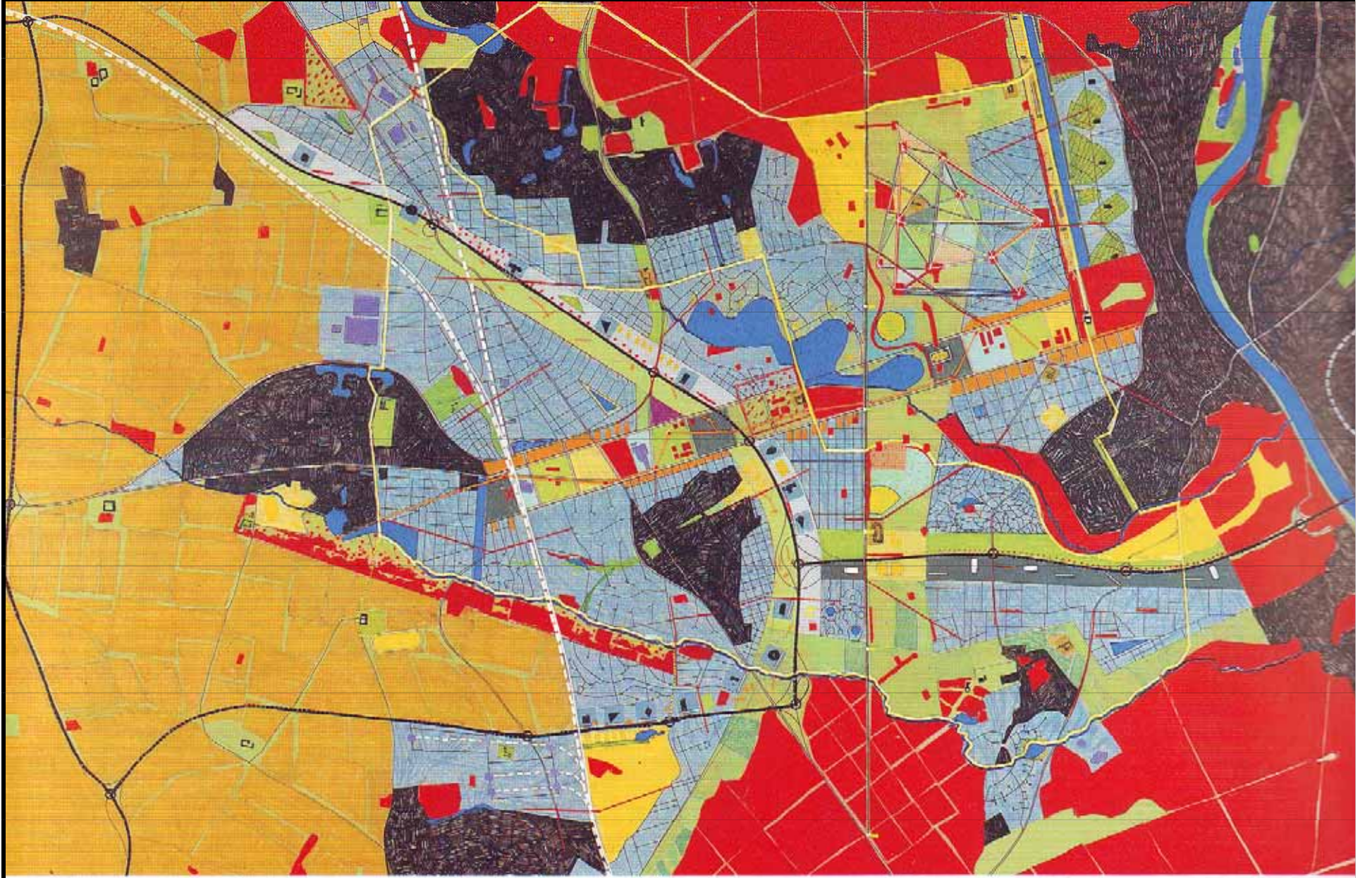
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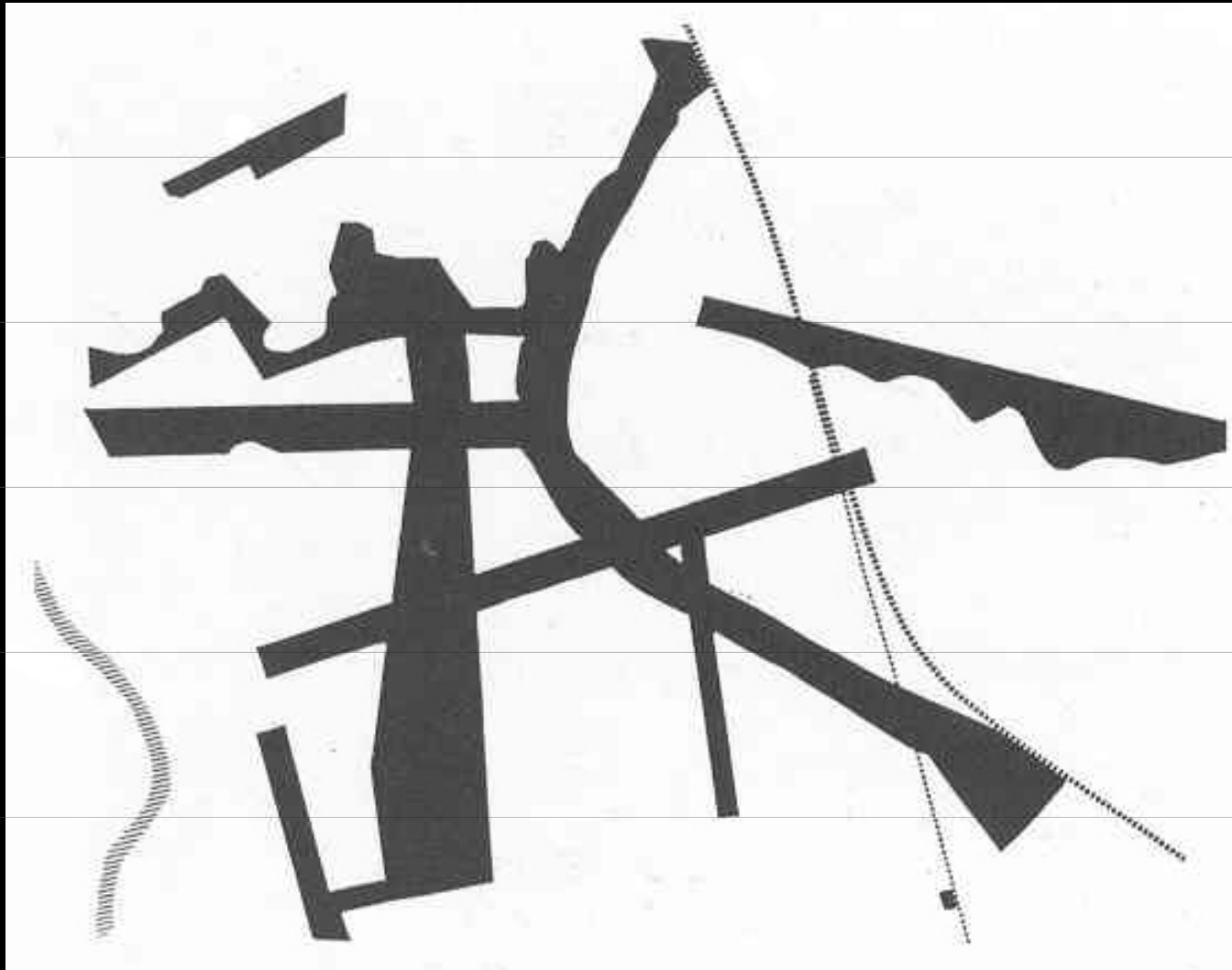
6

DEN TÆTTE BY / DEN ÅBNE BY

THE DENSE CITY / THE OPEN CITY

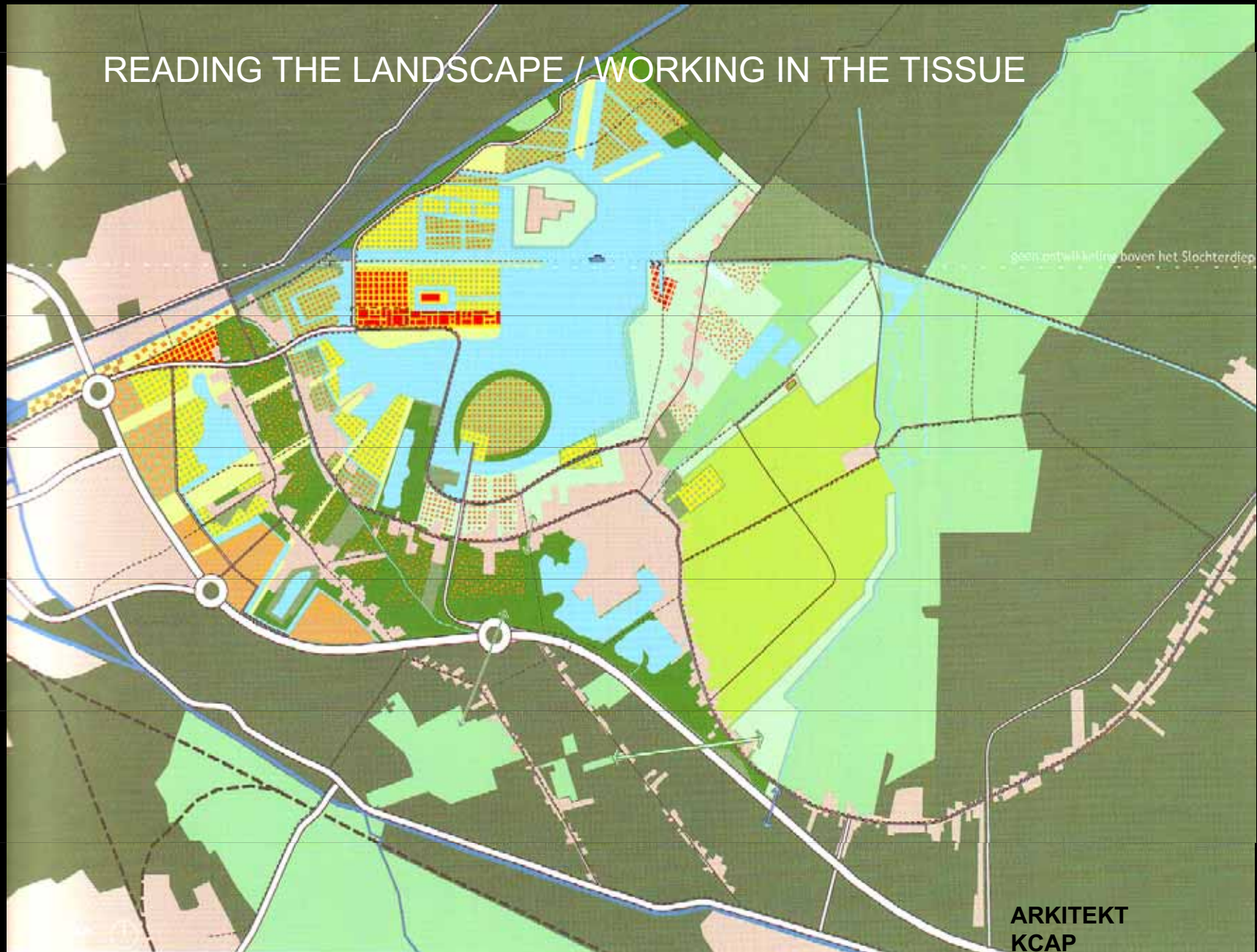
REFERENCER





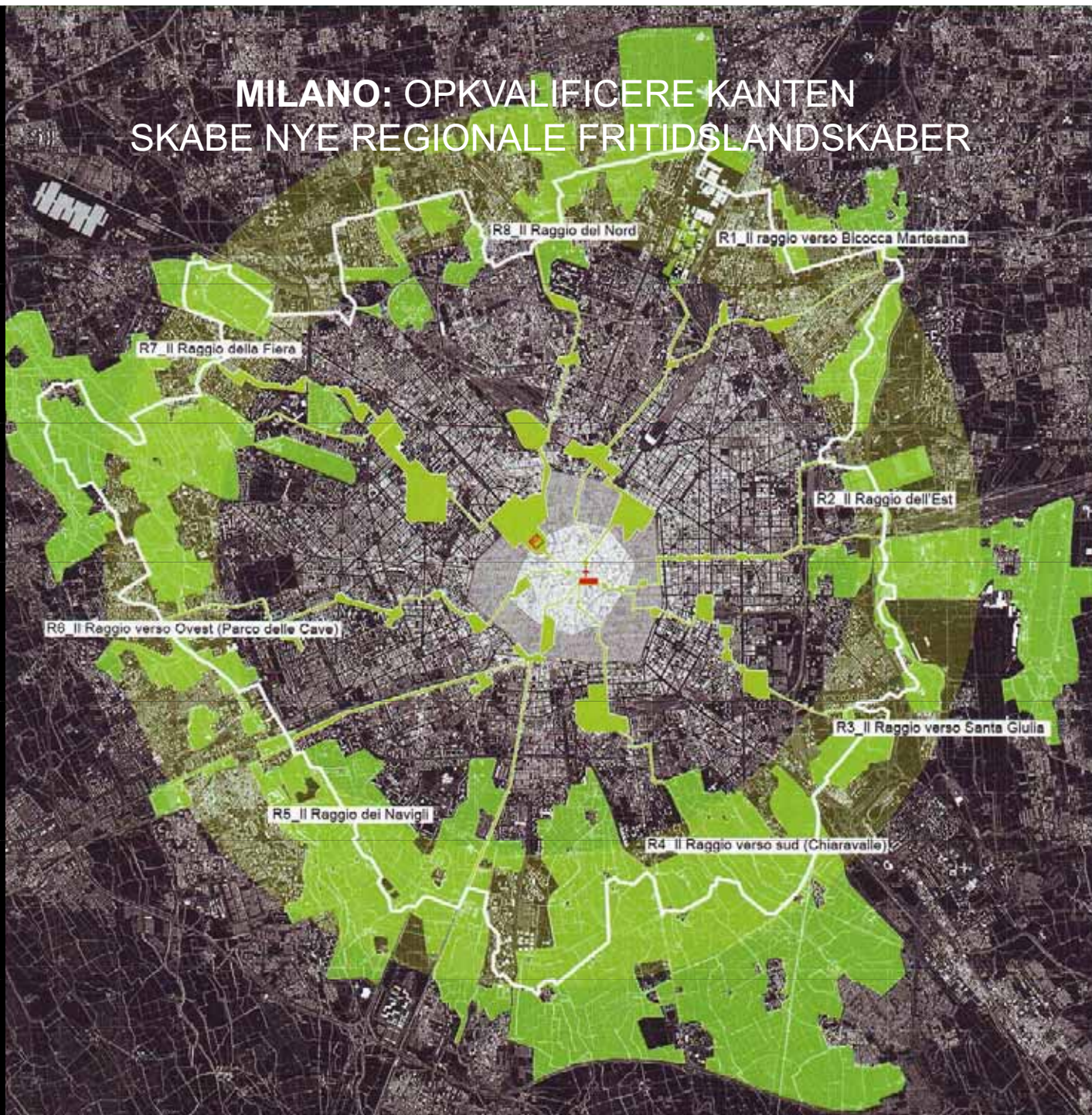
ARKITEKTER: OMA

READING THE LANDSCAPE / WORKING IN THE TISSUE



ARKITEKT
KCAP

MILANO: OPKVALIFICERE KANTEN SKABE NYE REGIONALE FRITIDSLANDSKABER





GARDENING

HVORDAN ARBEJDER VI MED OMDANNELSEN TIL EN MERE BÆREDYGTIG BY

6

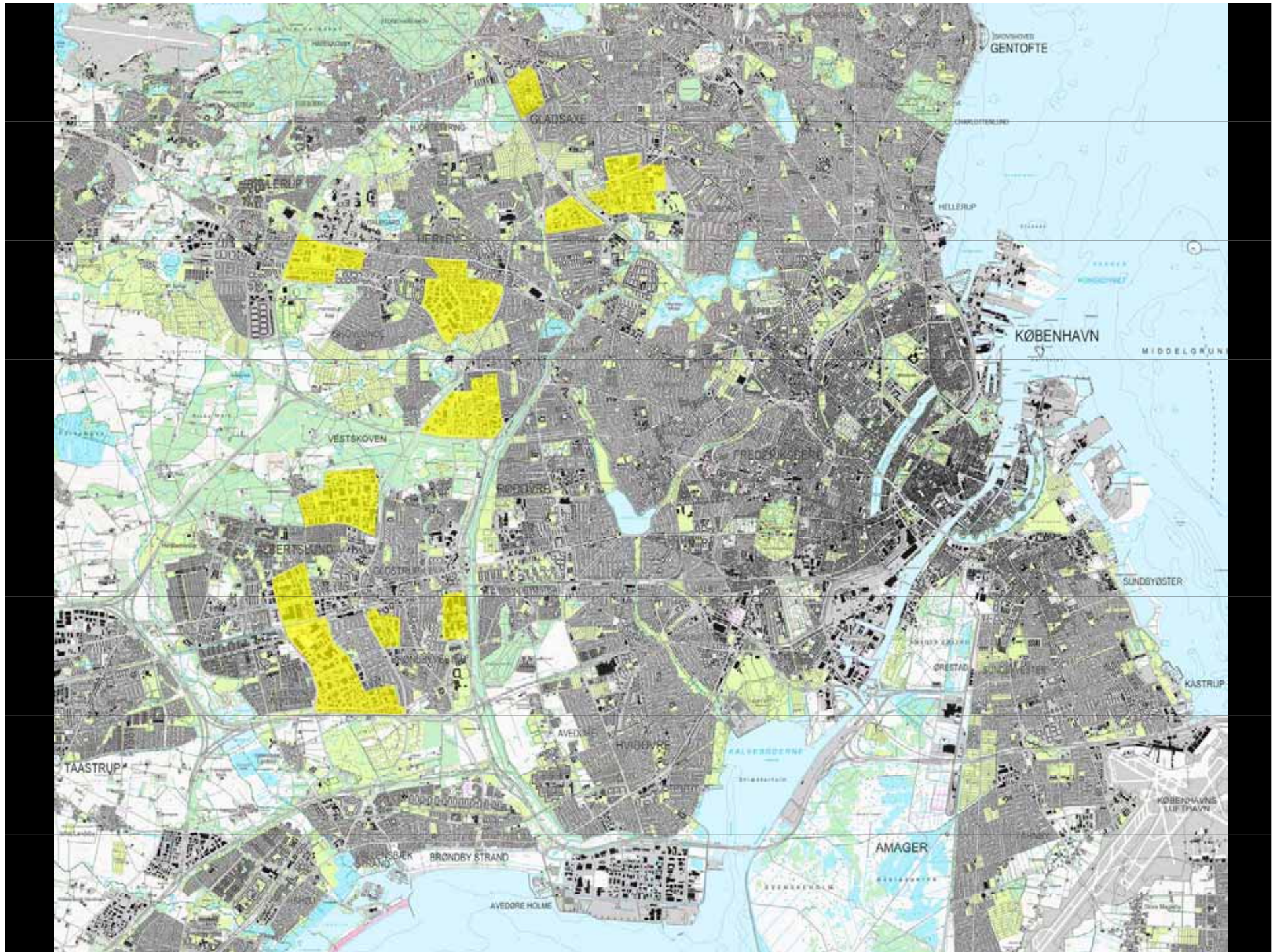
DEN TÆTTE BY / DEN ÅBNE BY

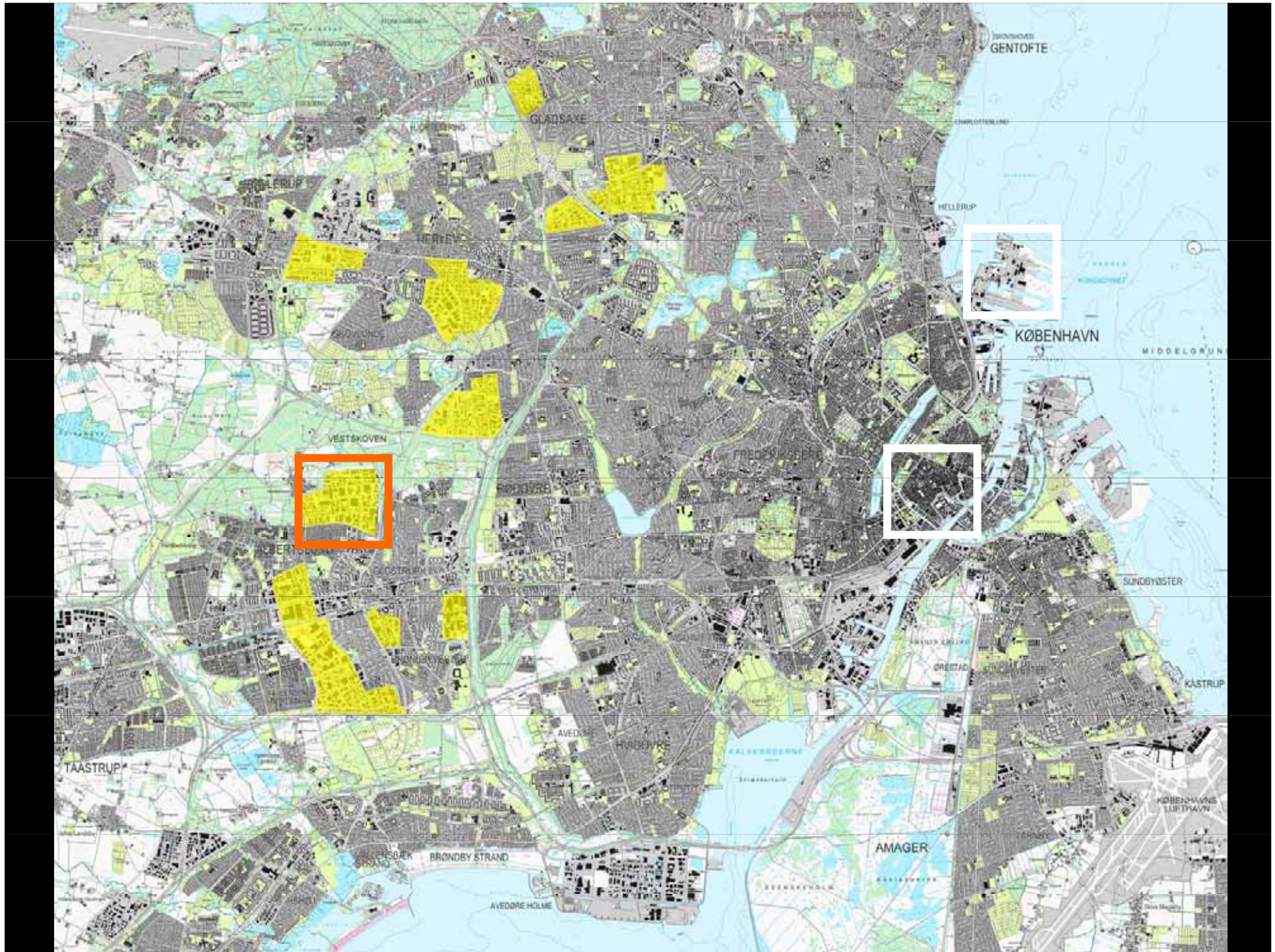
THE DENSE CITY / THE OPEN CITY

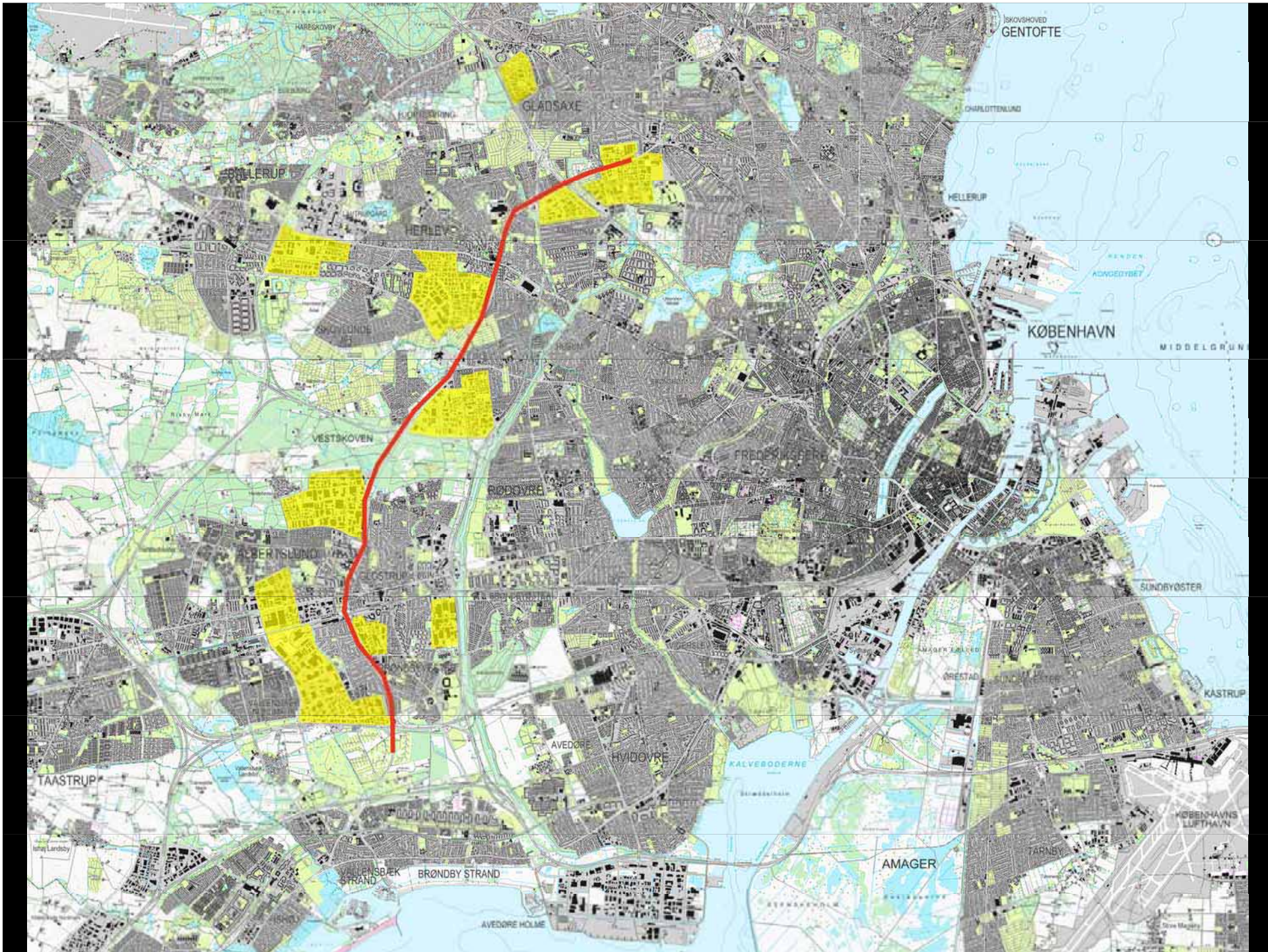
HOVEDSTRUKTUR

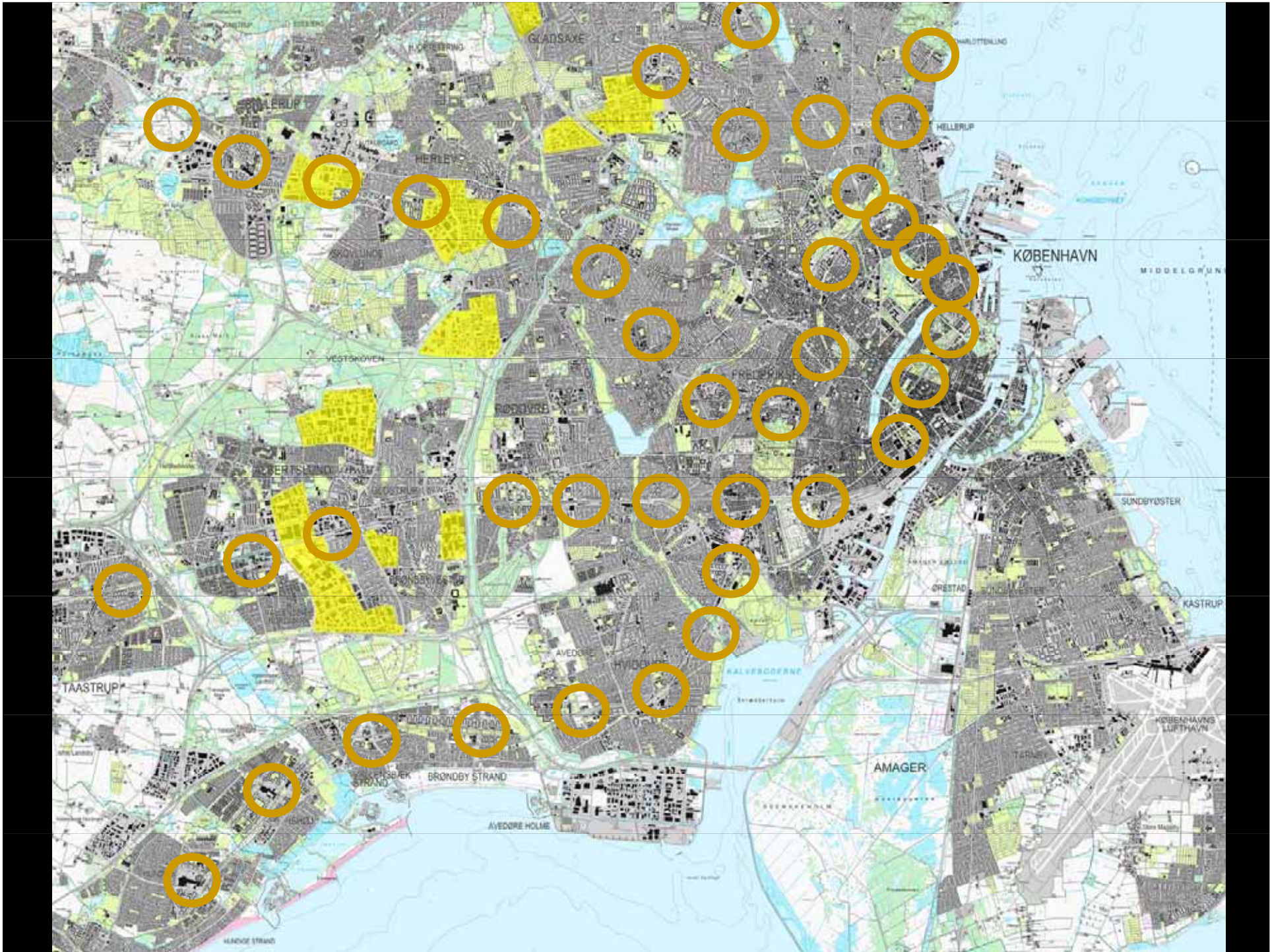
WHERE TO FOCUS











HVORDAN ARBEJDER VI MED OMDANNELSEN TIL EN MERE BÆREDYGTIG BY

6

DEN TÆTTE BY / DEN ÅBNE BY

THE DENSE CITY / THE OPEN CITY

DELOMRÅDER / LOKALT

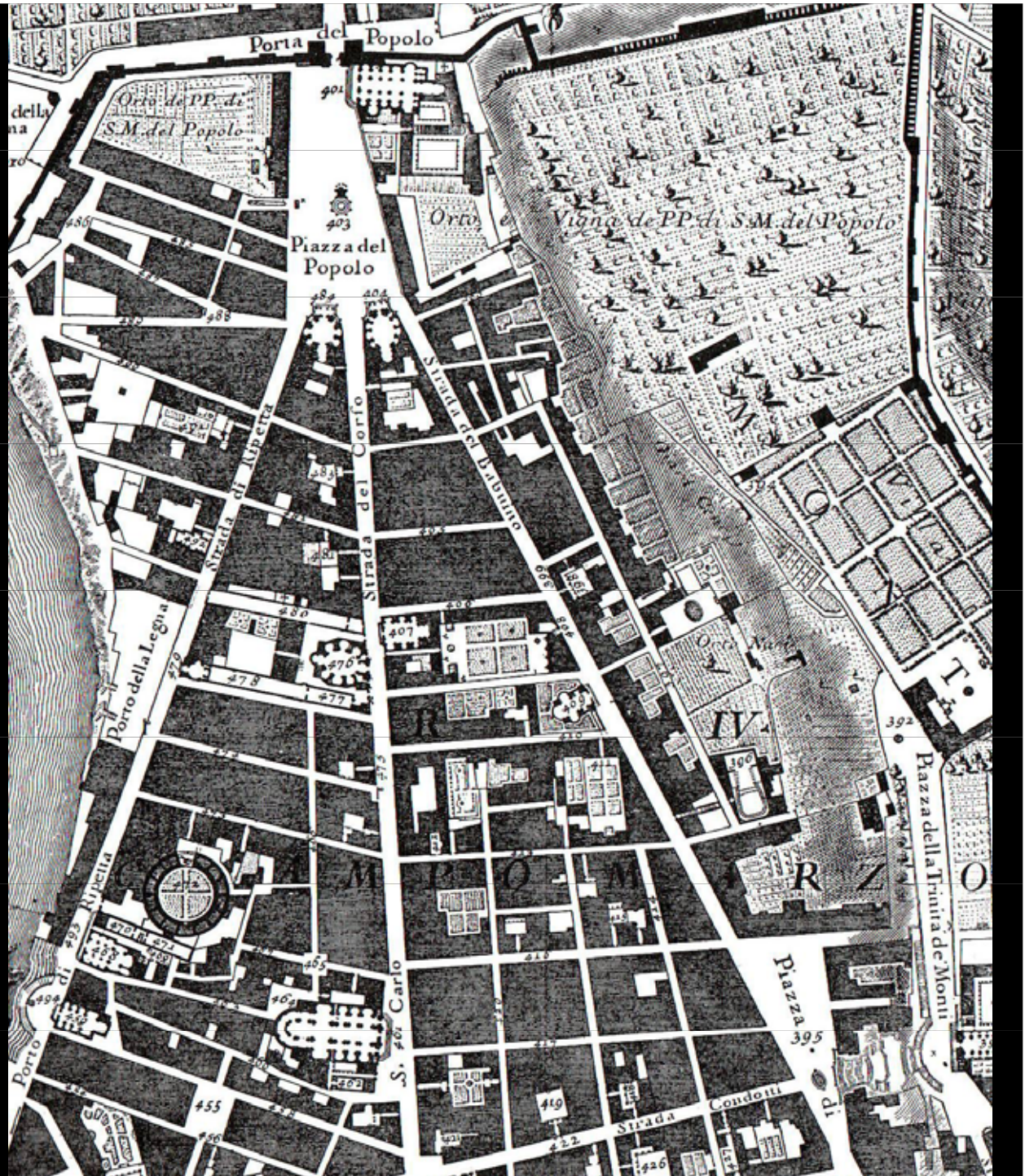
A photograph of a dense urban street scene. In the foreground, a crowd of people is walking on a sidewalk, some looking towards the camera. To the left, there are large, industrial-looking metal pipes and structures. In the background, several tall buildings are visible, including a prominent glass skyscraper with a distinctive diamond-patterned facade. The overall atmosphere is one of a busy, modern city.

DENSITY ?

PHYSICAL DENSITY
DENSITY OF ACTIVITIES
SOCIAL DENSITY
CULTURAL DENSITY

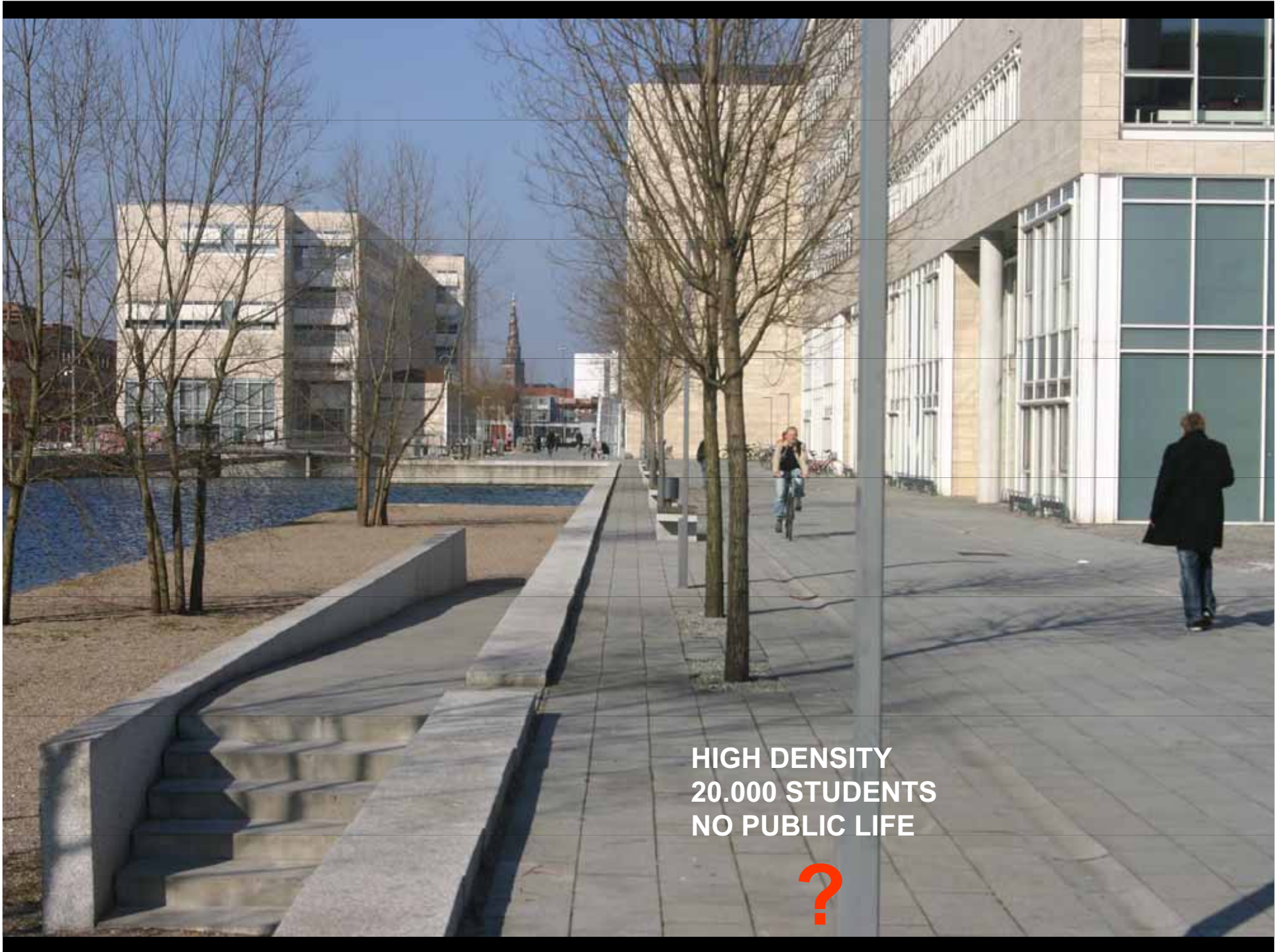
ROOM FOR THE UNFOLDED EVERYDAYLIFE

**URBAN BLOCK
STREET
SQUARE**



WE CAN NOT RECREATE
THIS STREET





**HIGH DENSITY
20.000 STUDENTS
NO PUBLIC LIFE**



THE MODERN DENSE CITY:
BIG UNITS
FEW POWERFULL ACTORS
NEW LIFEFORMS
NEW RYTHMES

NEW SPACES

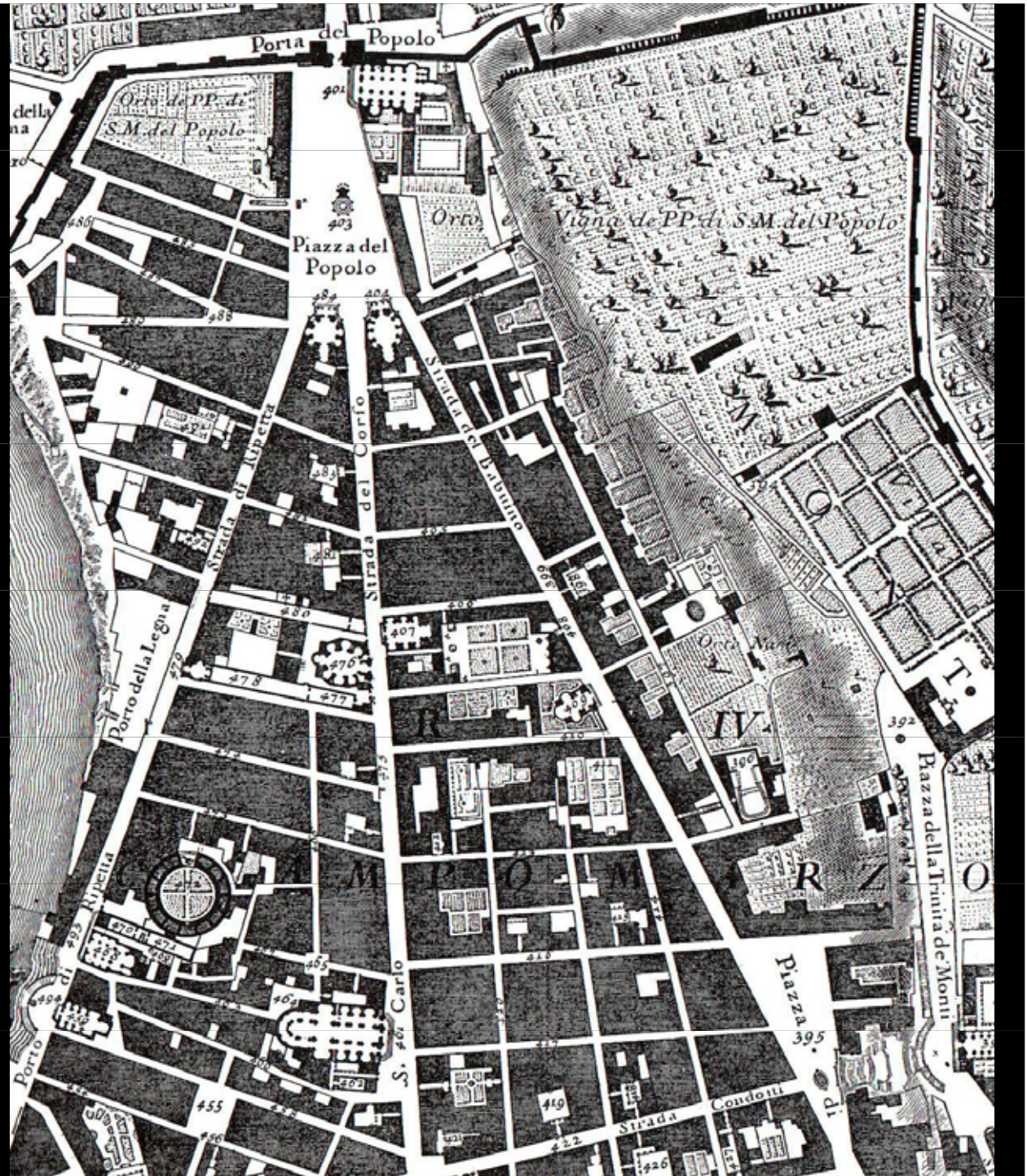
CREATE
NEW SPACE
NEW ACTIVCIITIES
OVERLAP

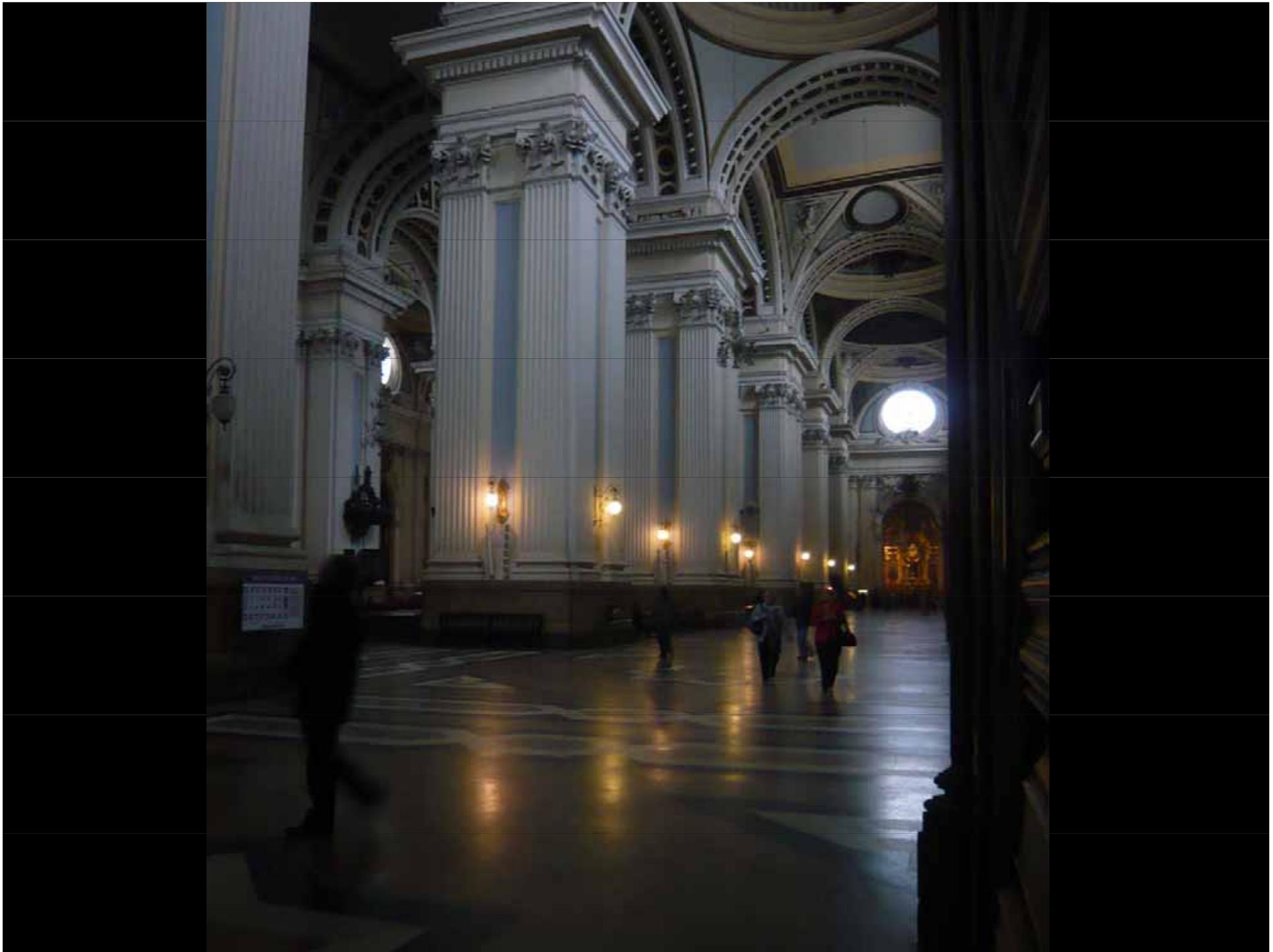
CONFRONT DEVELOPERS



BLOCK
STREET
SQUARE

THE INTERIOR PUBLIC

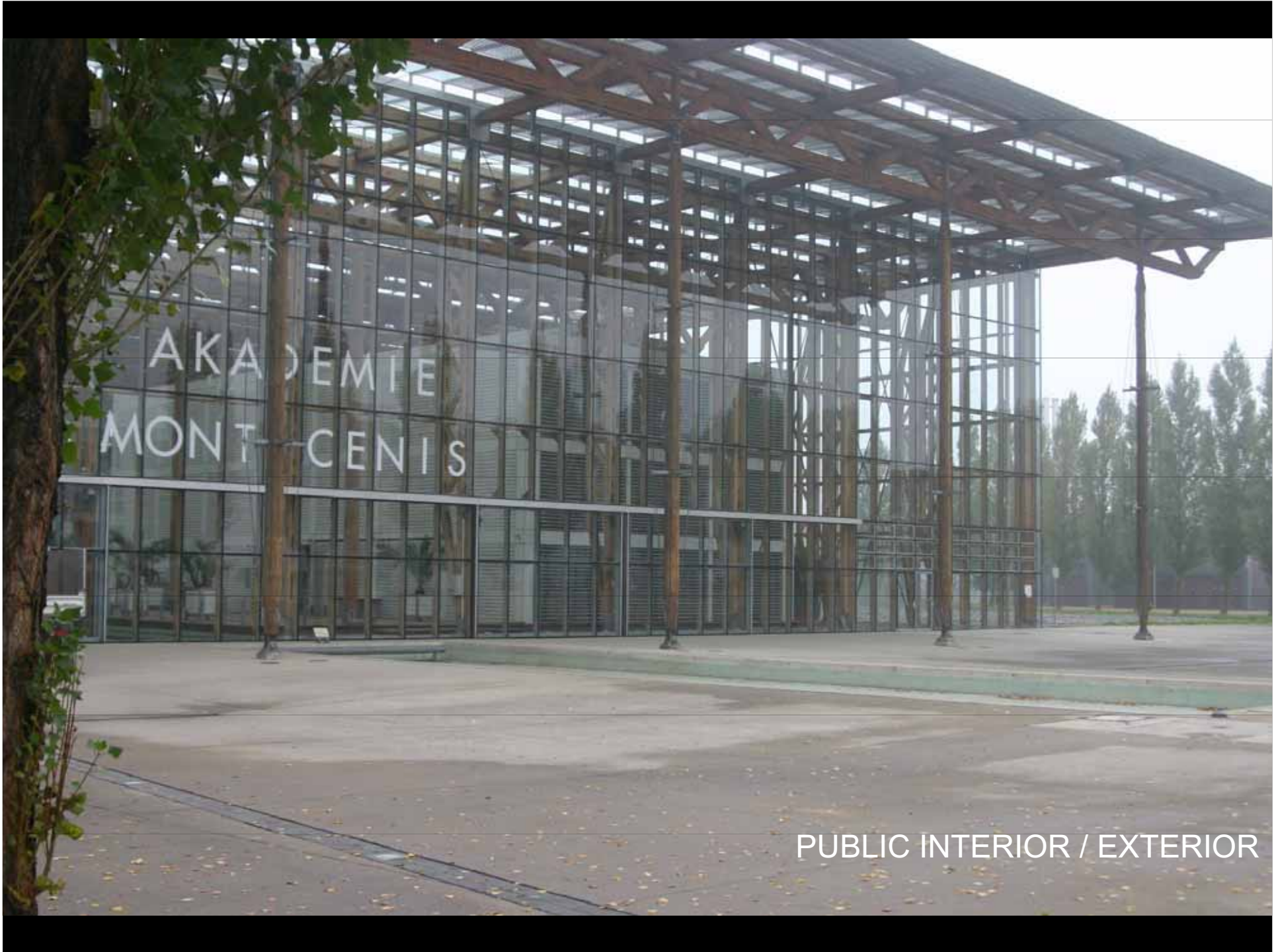












PUBLIC INTERIOR / EXTERIOR



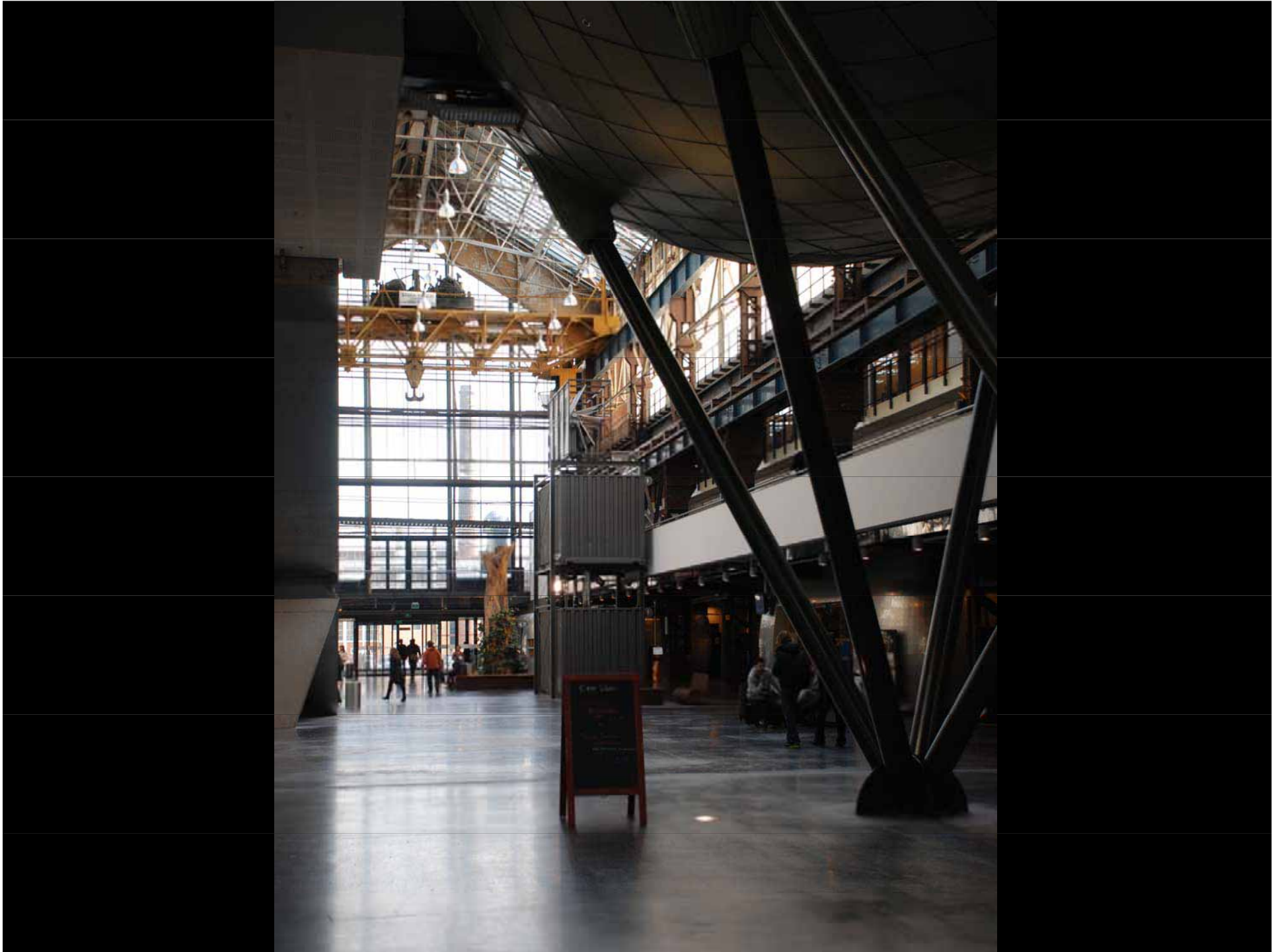


PUBLIC INSTITUTIONS MUST PERFORM IN PUBLIC SPACE

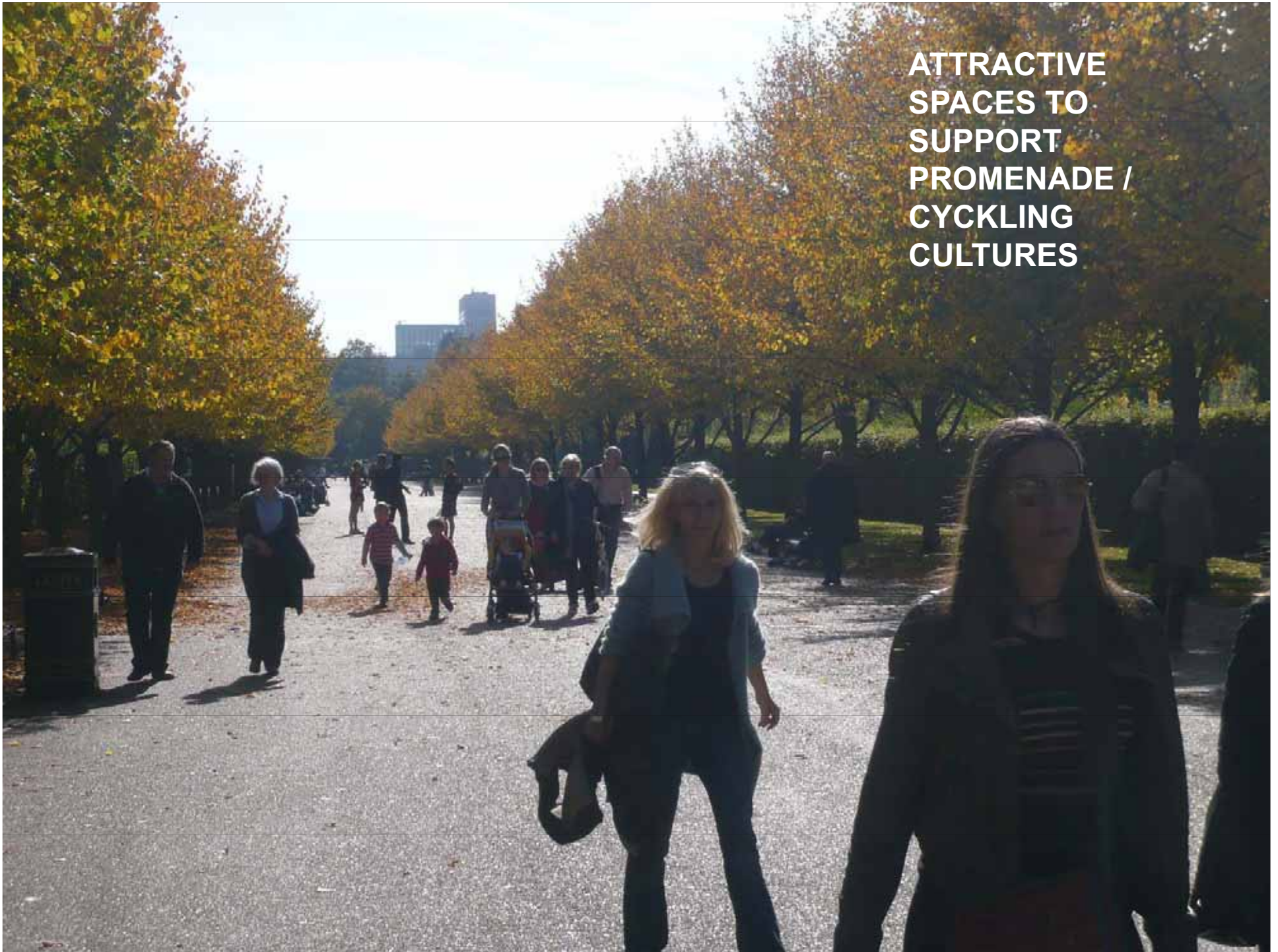


**HVORDAN SKABER VI NYE RUM MED
PLADS TIL FLERE GRUPPER VED HJÆLP
AF DE INVESTERINGER VI ALLIGEVEL
SKAL GENNEMFØRE**





**ATTRACTIVE
SPACES TO
SUPPORT
PROMENADE /
CYCKLING
CULTURES**





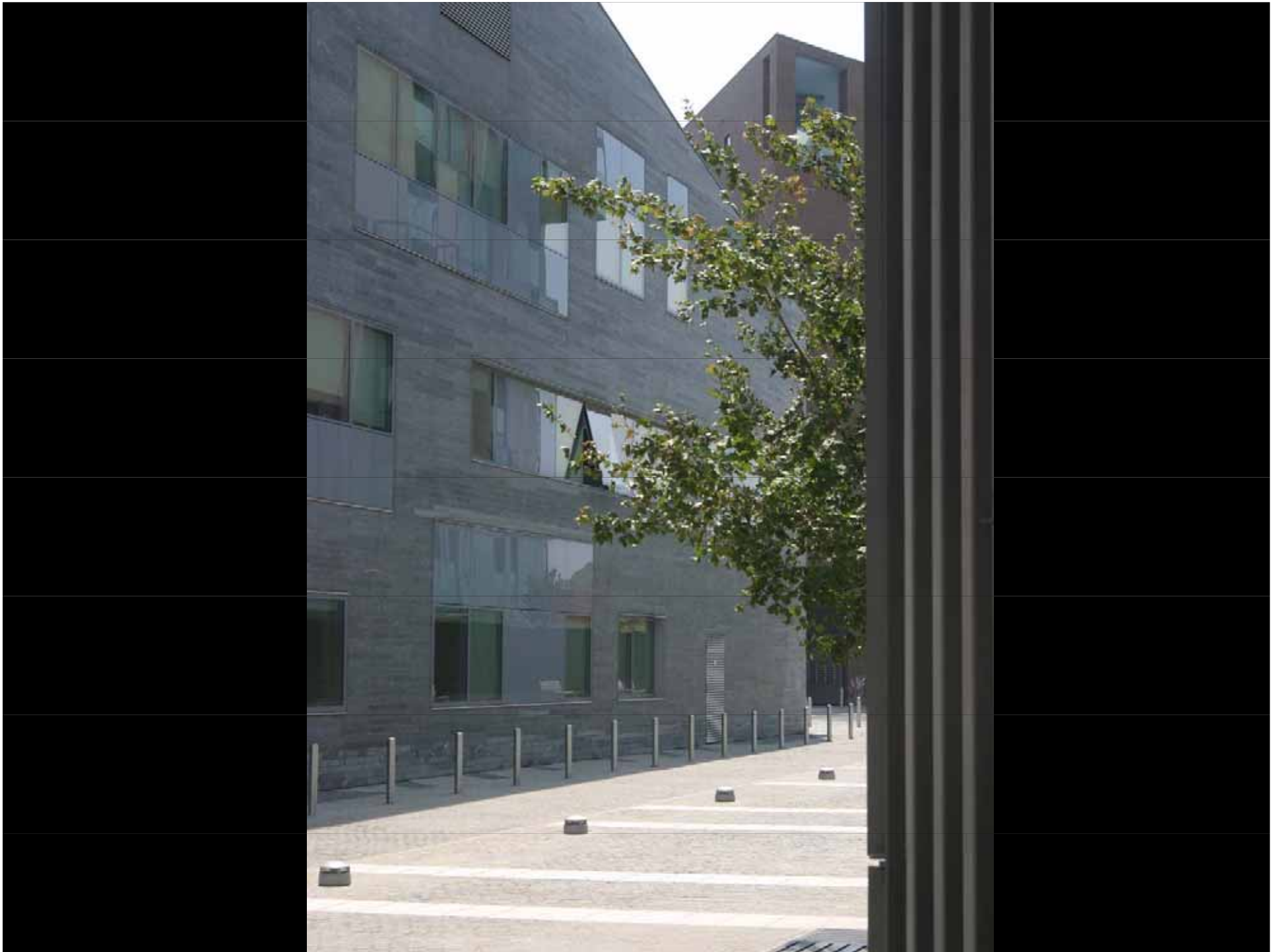
CONNECT



OVERLAP / CONFRONT

ATTRACTIVE HOUSING STREET



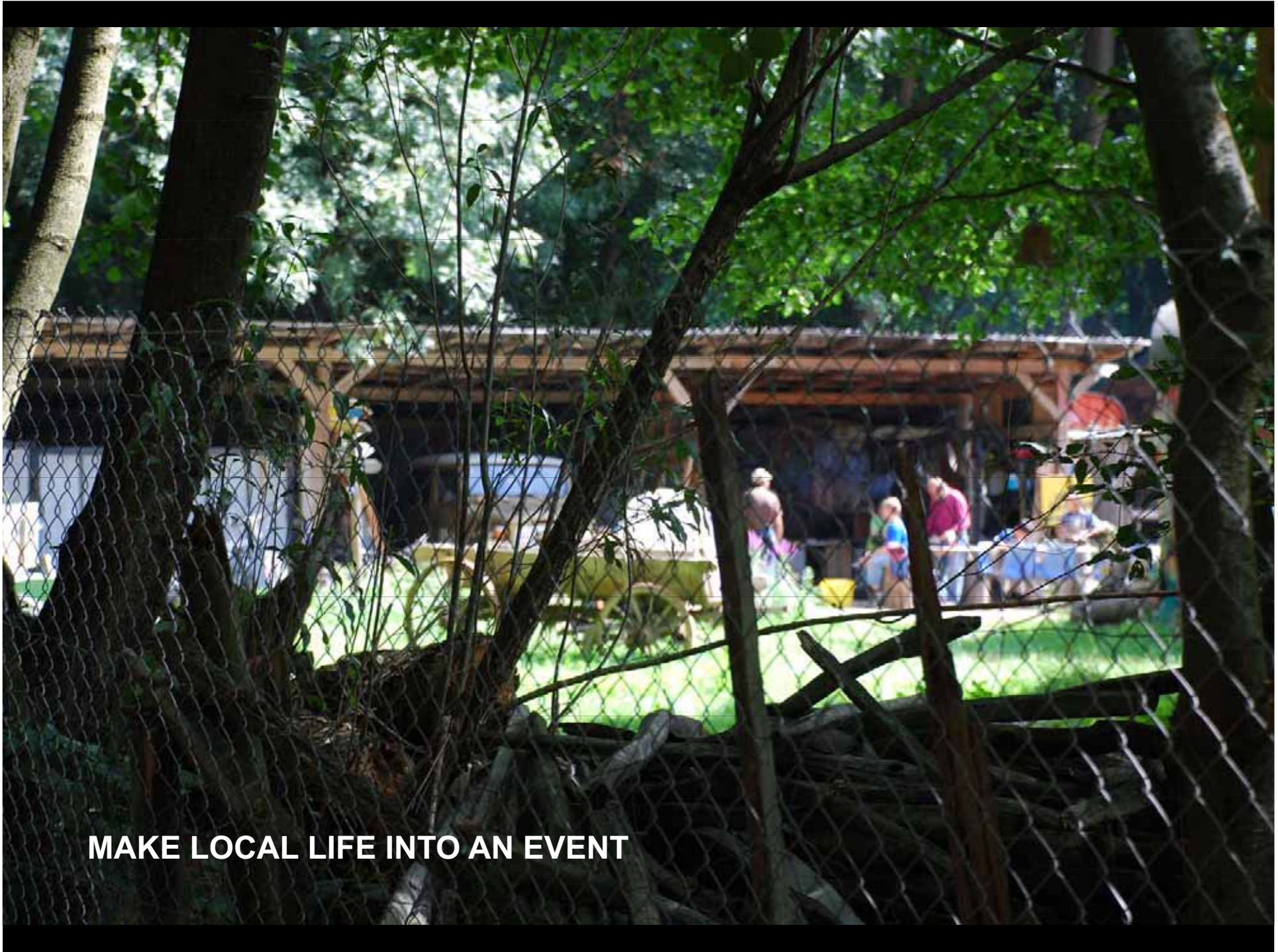


SPORTS PARK

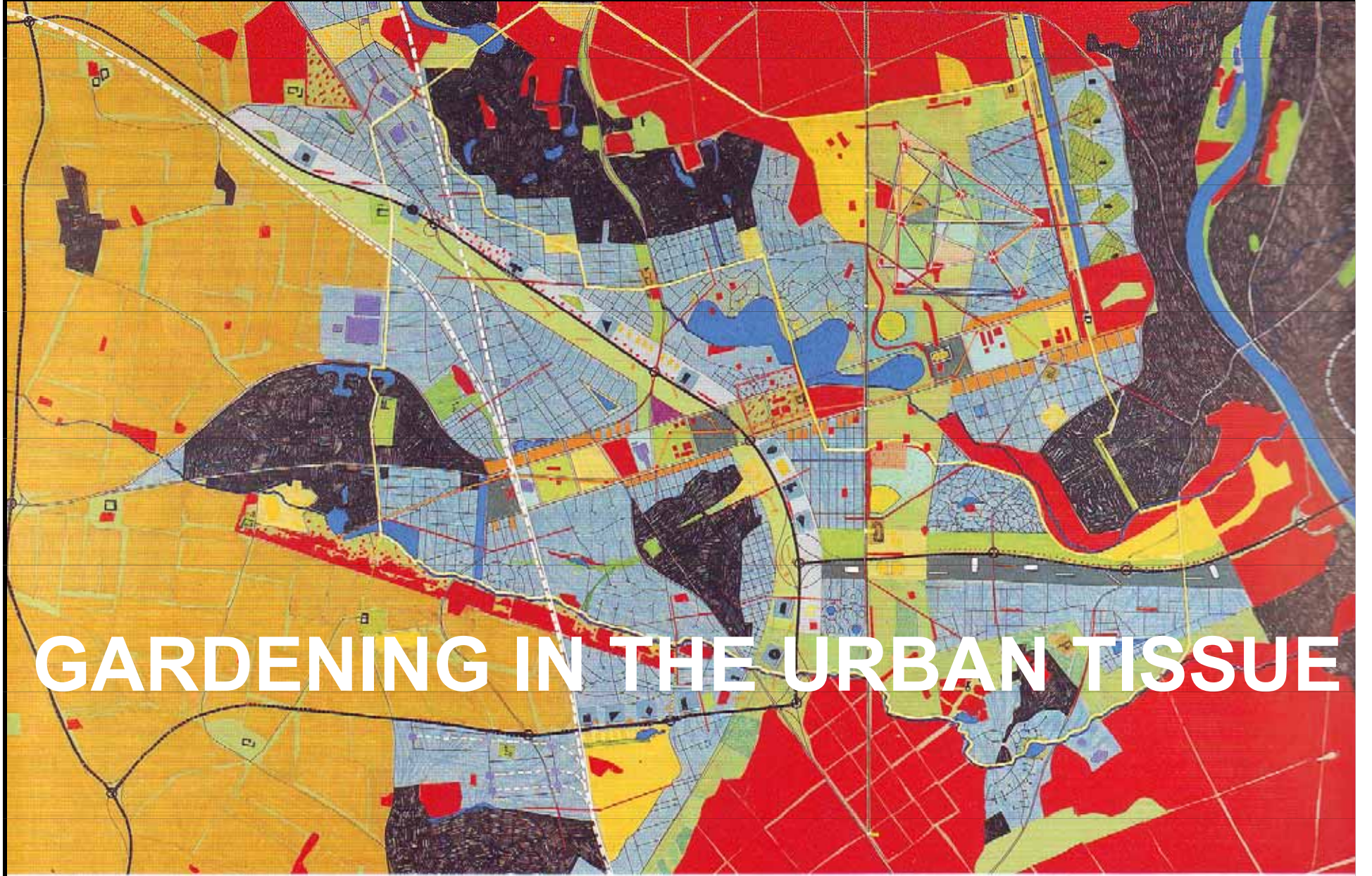




NEW SPACES / GREEN SPACES / SOFT SPACES



MAKE LOCAL LIFE INTO AN EVENT



GARDENING IN THE URBAN TISSUE

DE MANENDE ORD

TÆNKT BREDT

TÆNKT BYEN DYNAMISK

TÆNK I SYNERGIER

**TÆNK HELE TIDEN PÅ AT FÅ MERE UD AF
DET DER ALLEREDE ER**

OG DET VI ALLIGEVEL SKAL GØRE

OPTIMER ORGANISATIONEN

SÅ DEN KAN TÆNKE OG HANDLE

PÅ DENNE MÅDE