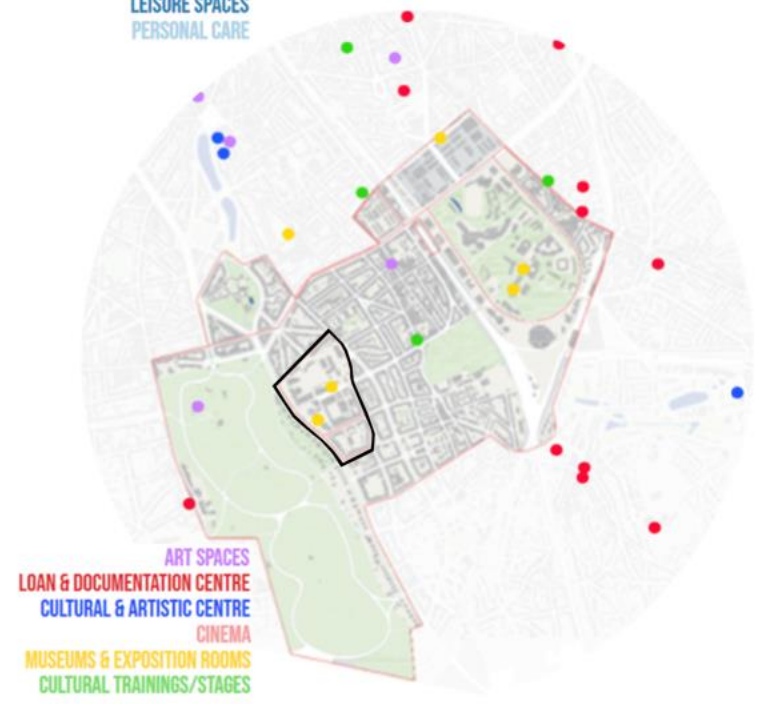
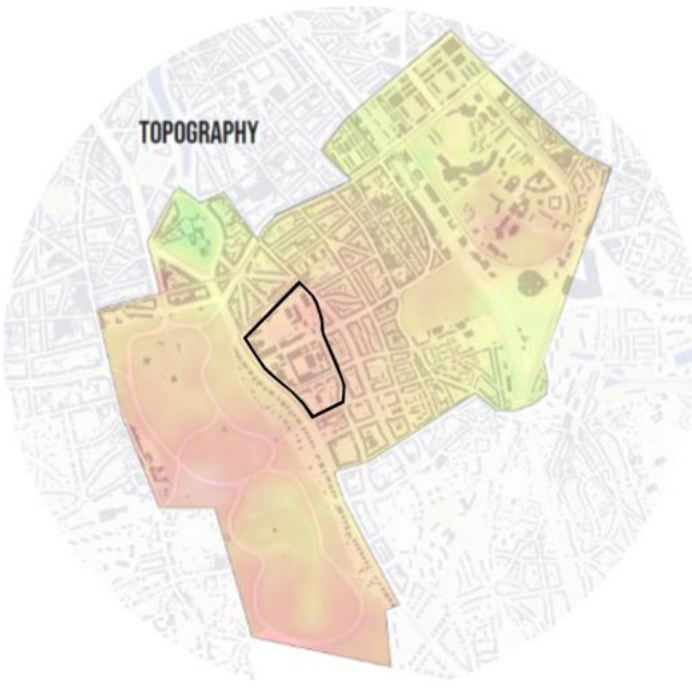


ECONVERGENCE

SOLBOSCH CAMPUS TOWARDS A NEW VISION

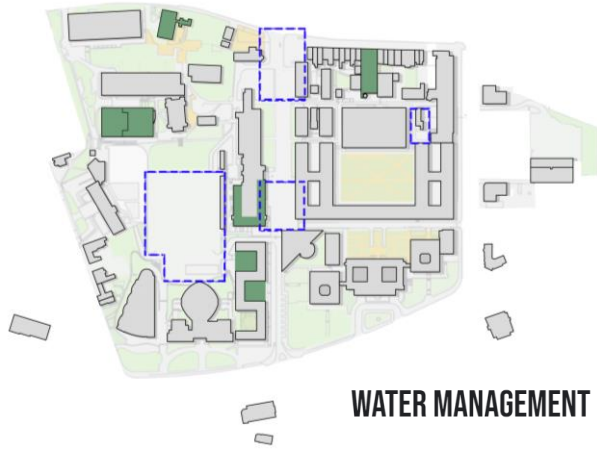
SAJEDEH A. AMIRI - ISMAIL AFAILAL - AMBER DEHAEN - FAEZEH HAJIBAGHERI - ELLEN LEEMANS - GABRIELLE NICOLAS



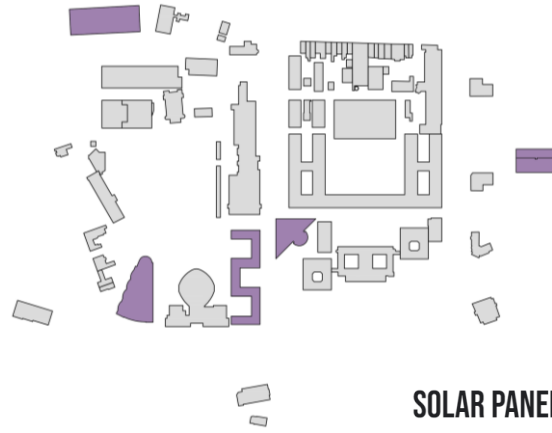
SUSTAINABILITY



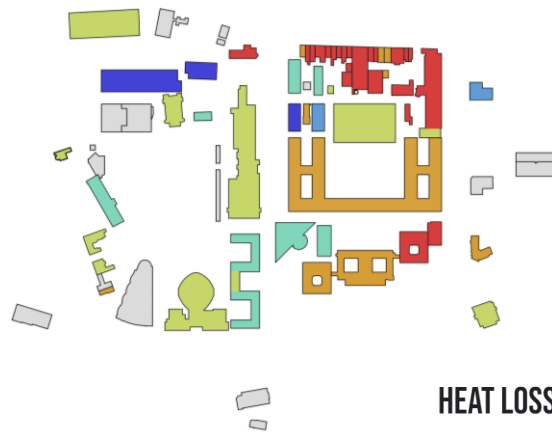
OPEN SPACE FRAMEWORK



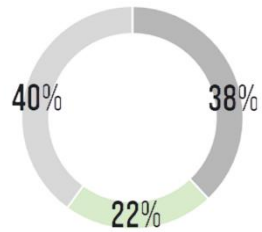
WATER MANAGEMENT



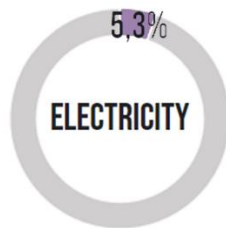
SOLAR PANELS



HEAT LOSS



GREEN SPACE 35 227 M²
 BUILDING 61 106 M²
 IMPERMEABLE SURFACE 63 657 M²
 ↑ 8% OF BUILT SURFACE



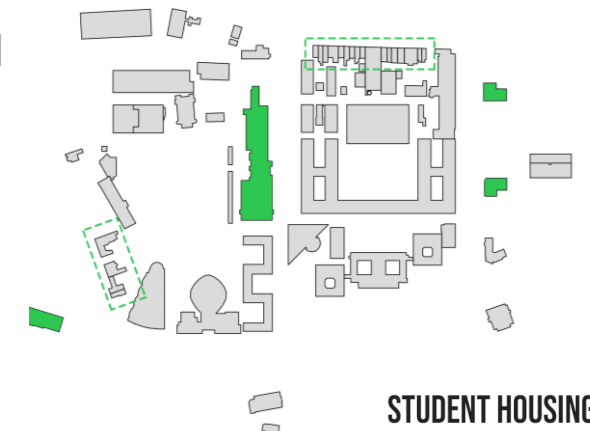
ELECTRICITY

HEATING

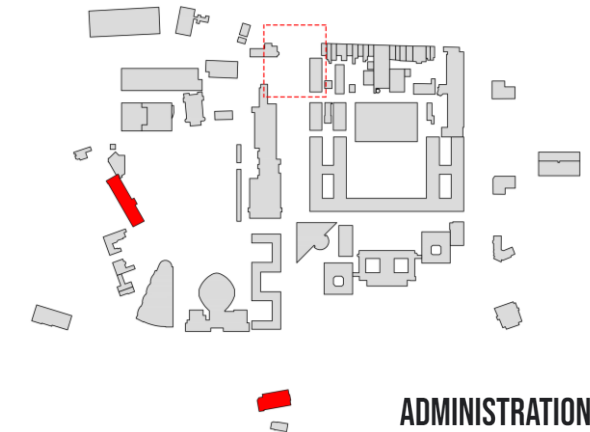
CONSUMPTION 14 687 615 KWH
 SOLAR PANELS 788 121 KWH

CONSUMPTION 19 791 378 KWHTH

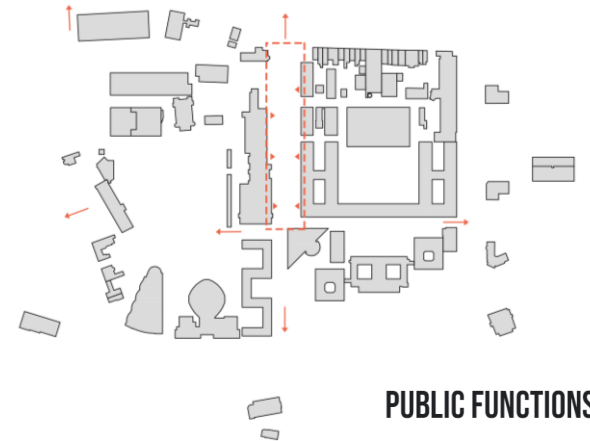
PROGRAM



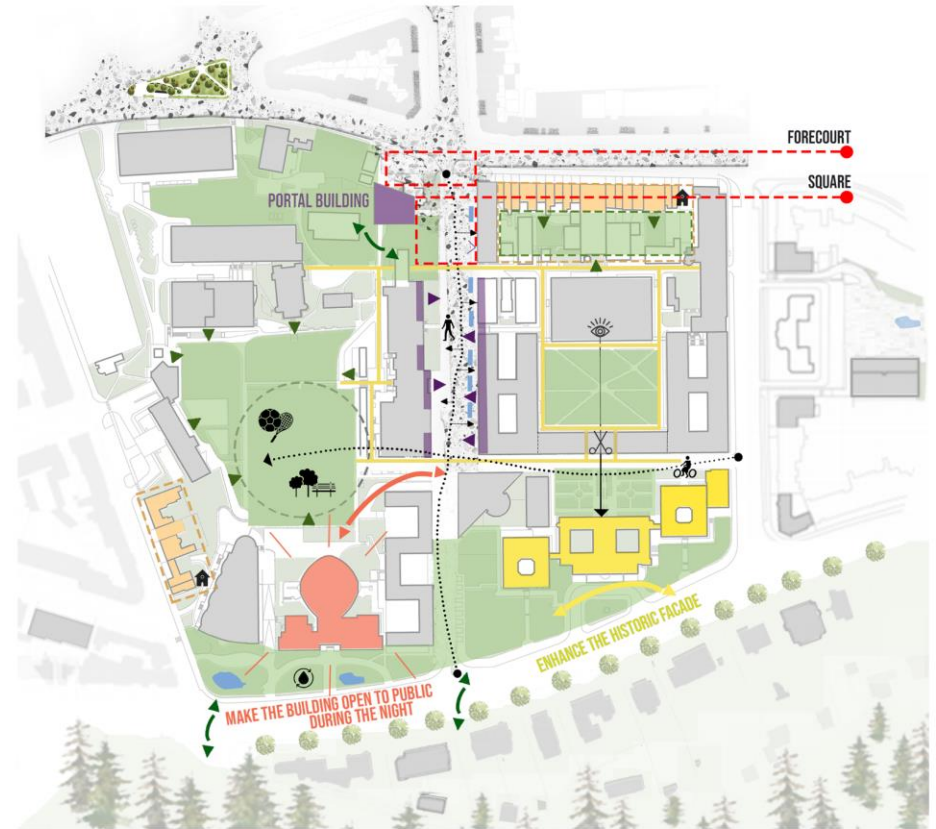
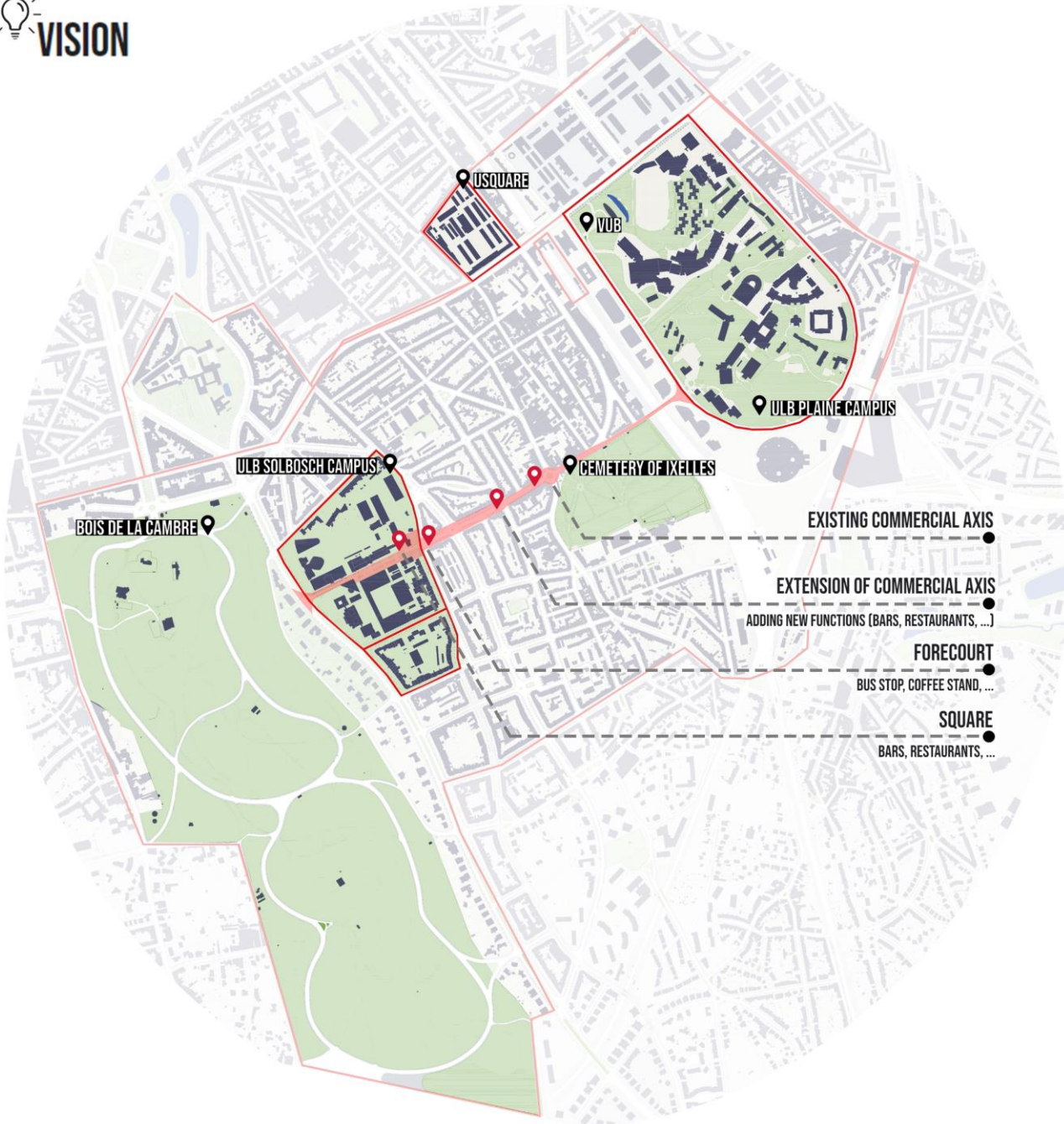
STUDENT HOUSING



ADMINISTRATION



PUBLIC FUNCTIONS






OPEN SPACE FRAMEWORK

- WELL-DEFINED OPEN SPACES
- CONNECTIONS 
- TOPOGRAPHY 






MOBILITY

- FRIENDLY ENVIRONMENT FOR PEDESTRIANS, JOGGERS & CYCLISTS 
- UNDERGROUND PARKING 

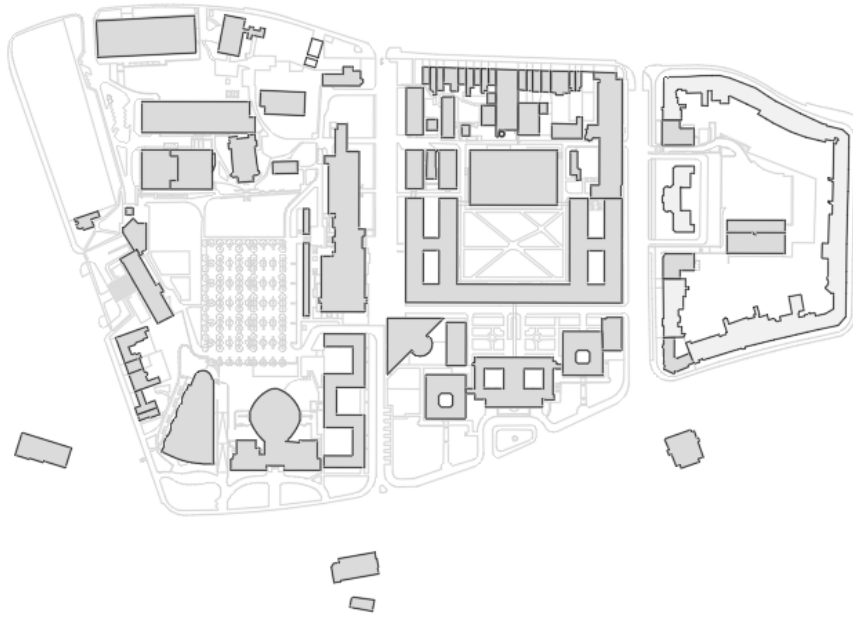
PROGRAM

- ADD FUNCTIONS TO ENLIVEN CAMPUS LIFE
- CAMPUS FOR STUDENTS & NEIGHBORHOOD
-  +20%
-  +20%
-  +20%

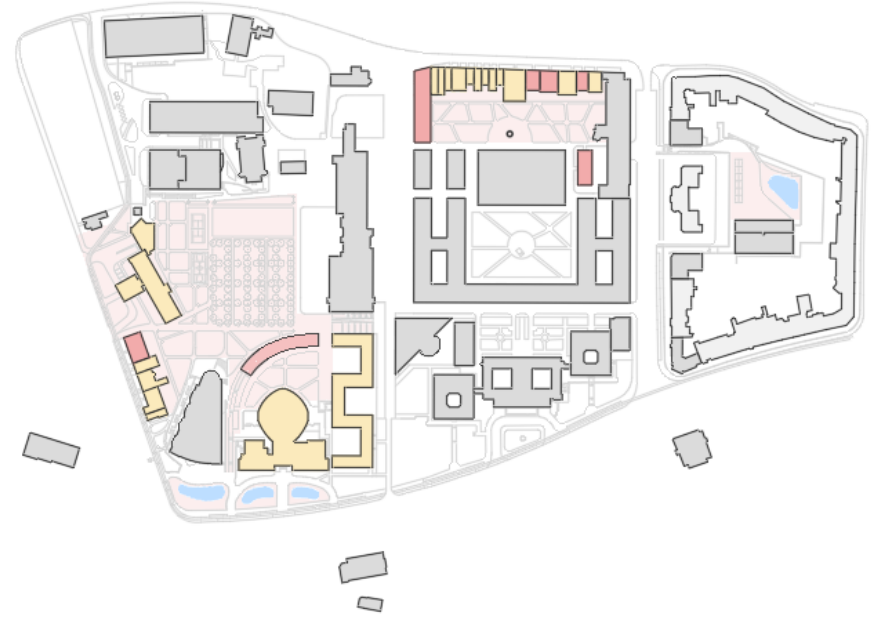
SUSTAINABILITY

- WATER BASINS 
- GREEN ROOFS 
- RESPOND TO TOPOGRAPHY 
- SOLAR PANELS 
- ORIENTATION OF BUILDINGS
- IMPERMEABLE SURFACE  -25%

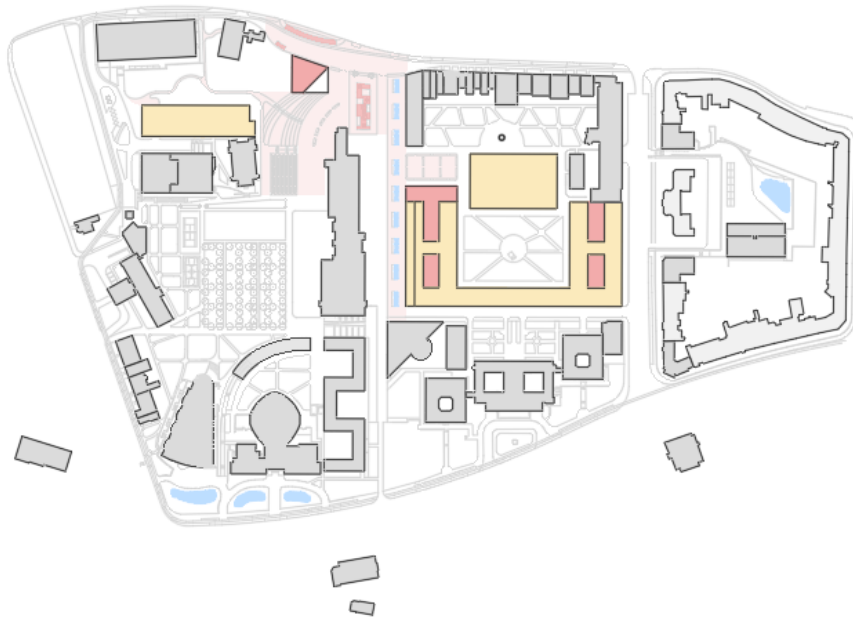
CURRENT



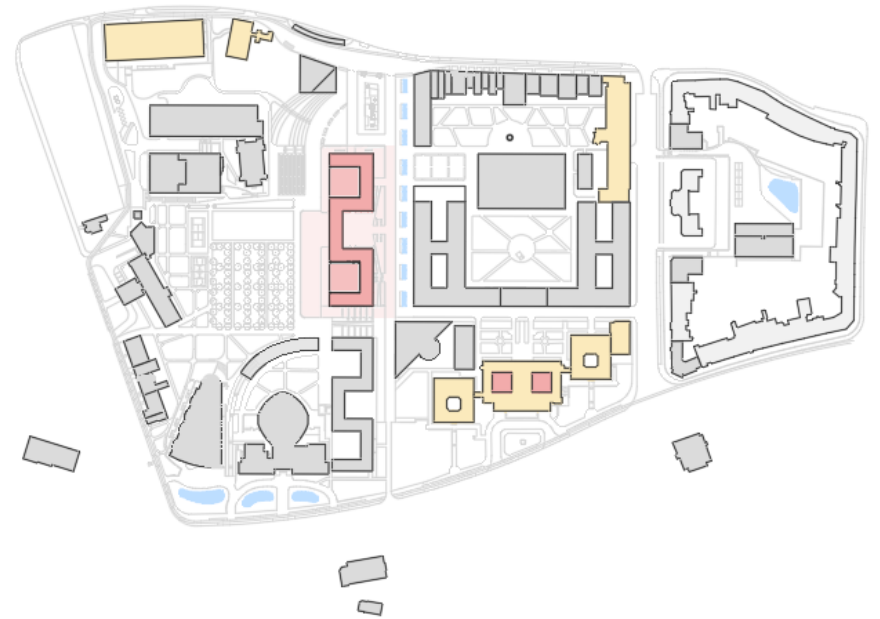
SHORT TERM



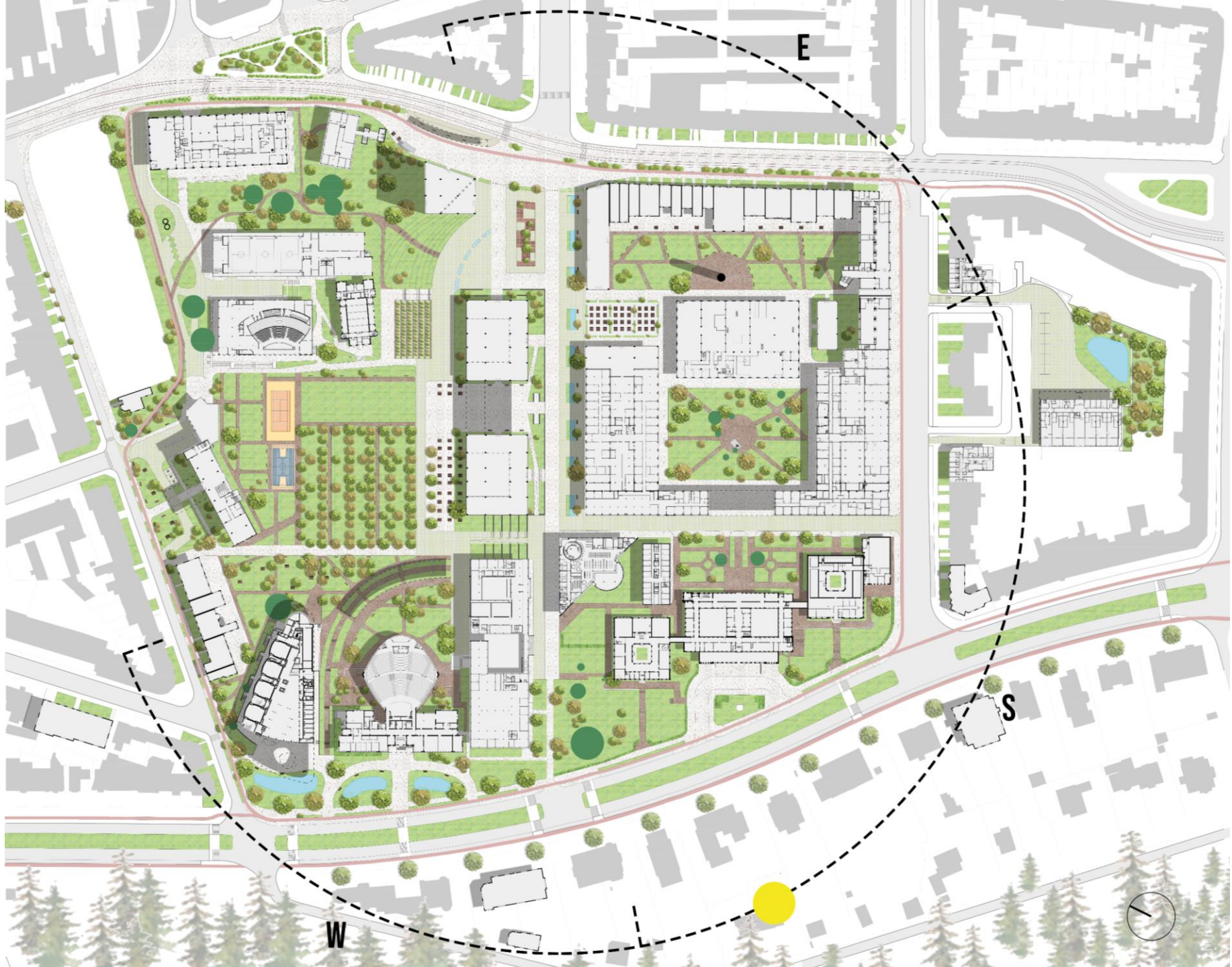
MID TERM

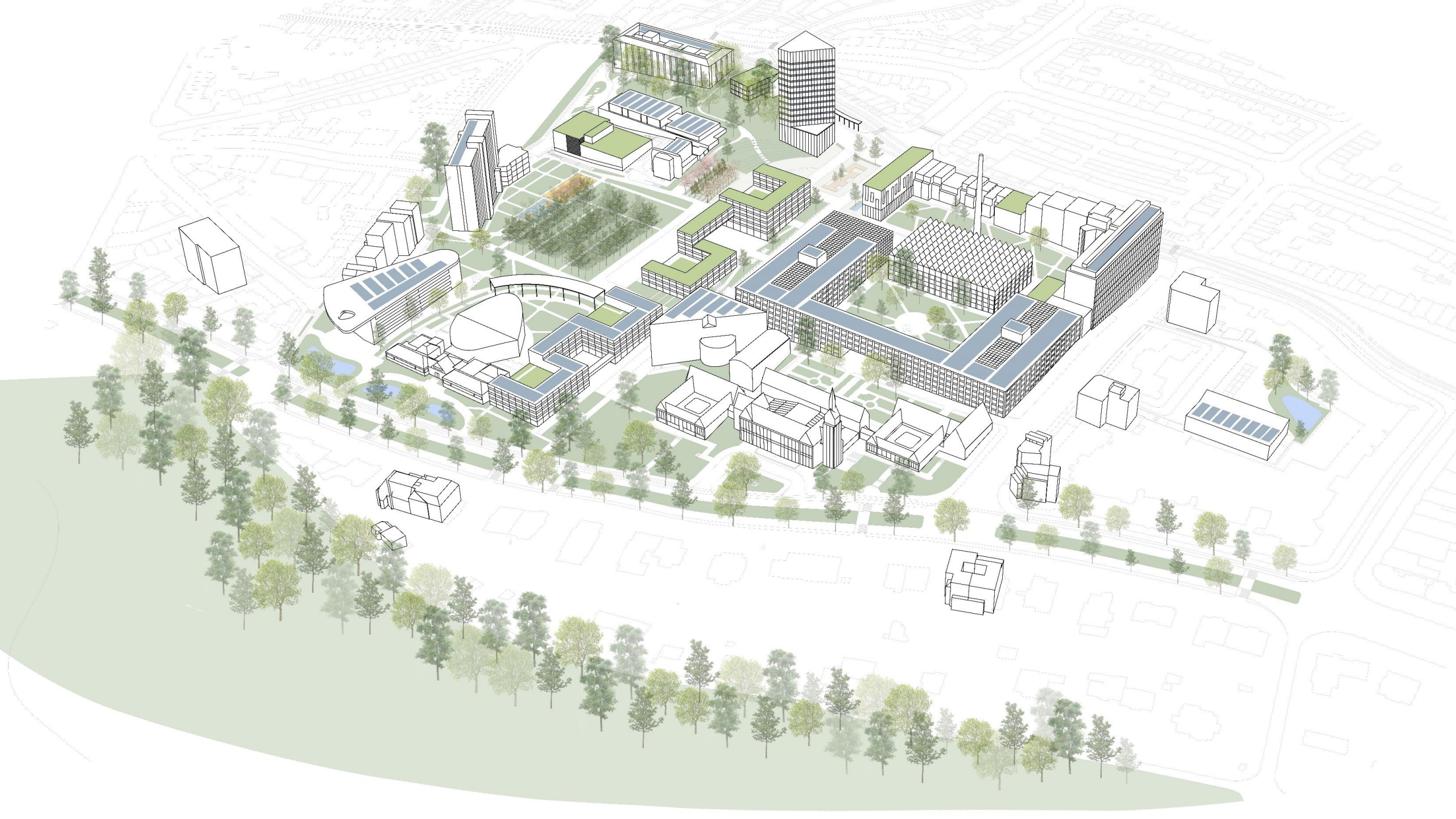


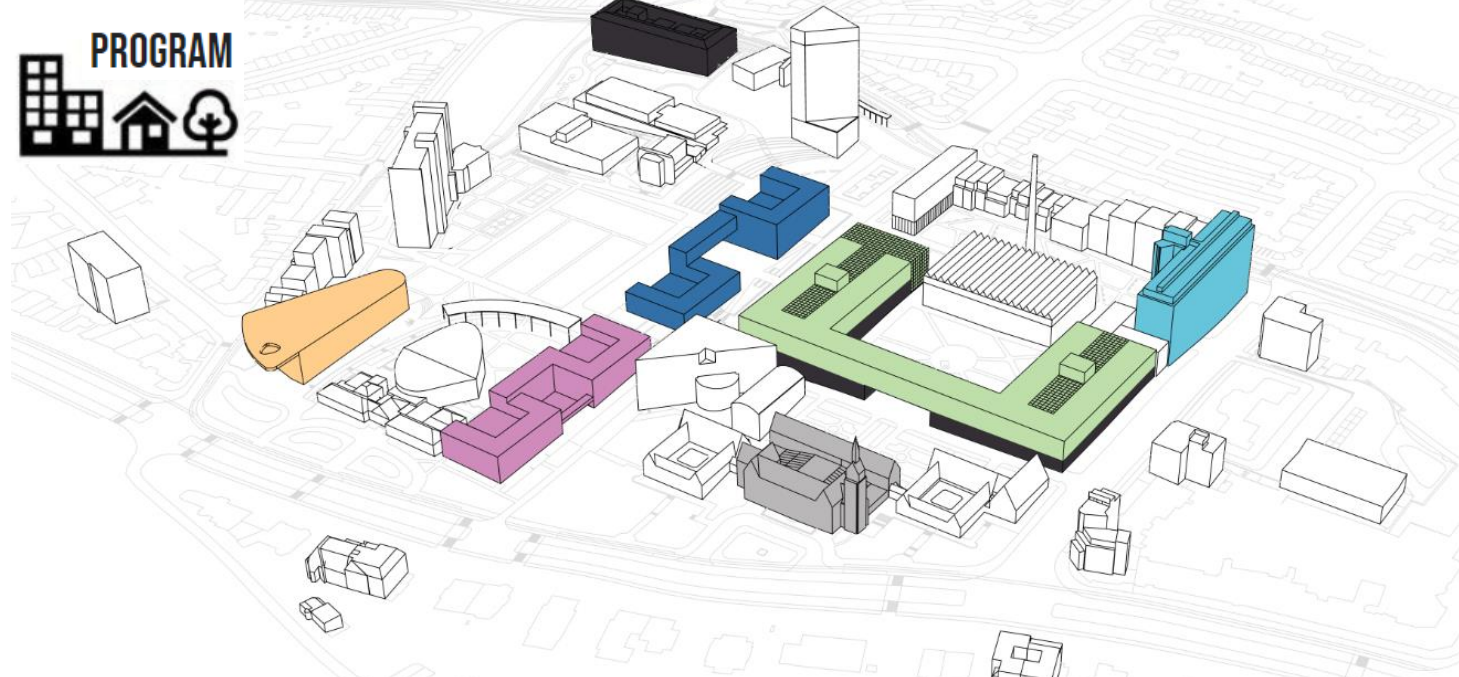
LONG TERM



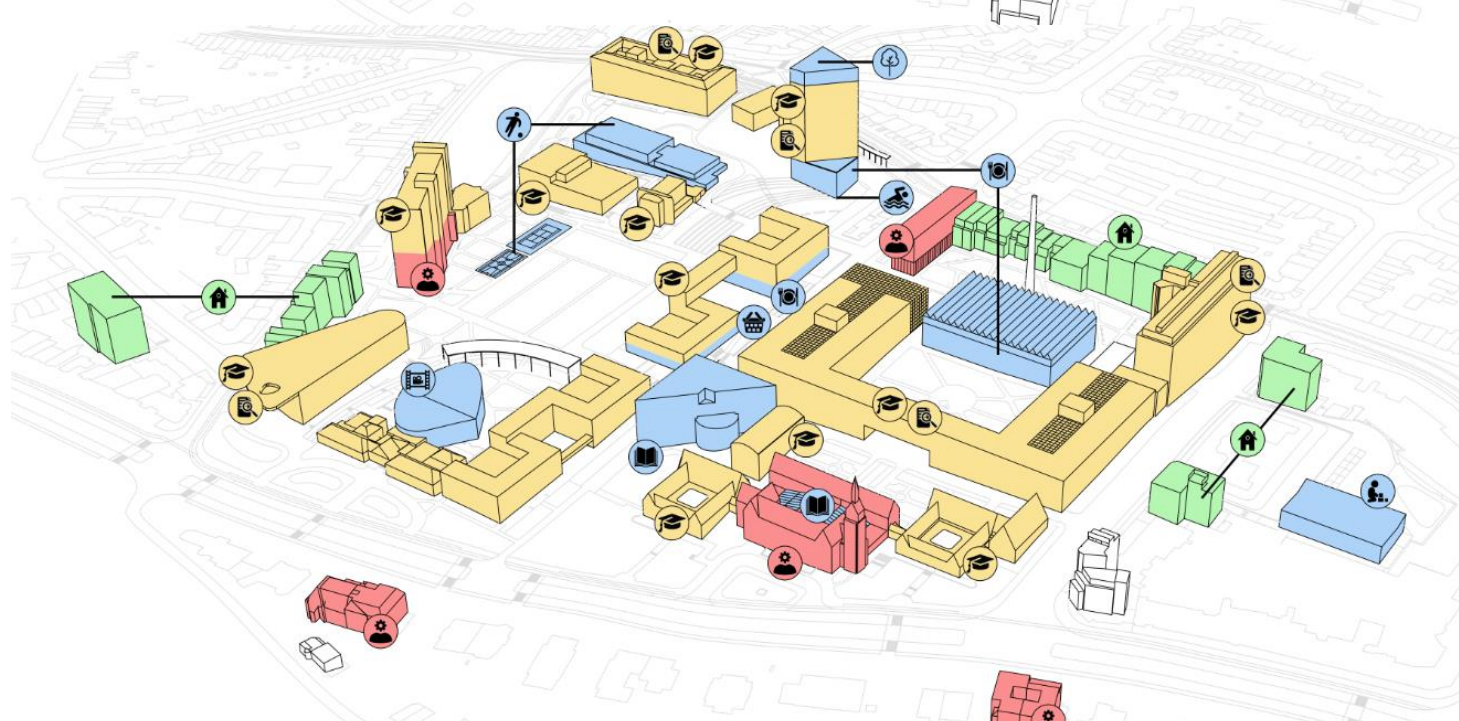
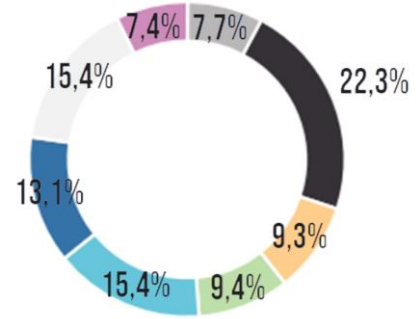
MASTERPLAN



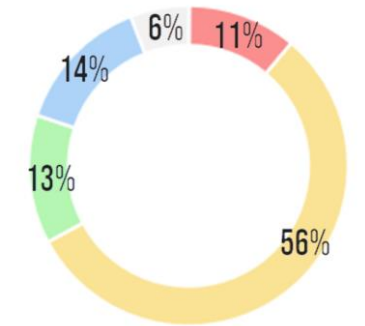




- FACULTY OF LETTERS, TRANSLATION & COMMUNICATION
- POLYTECHNIC SCHOOL OF BRUSSELS
- SOLVAY BRUSSELS SCHOOL OF ECONOMICS & MANAGEMENT
- FACULTY OF ARCHITECTURE LA CAMBRE HORTA
- FACULTY OF PHILOSOPHY & SOCIALES SCIENCES
- FACULTY OF PSYCHOLOGICAL SCIENCES AND EDUCATION
- FACULTY OF LAW AND CRIMINOLOGY



- ADMINISTRATION
- CLASSROOM
- RESEARCH
- STUDENT HOUSING
- KINDERGARTEN
- RESTAURANT / BAR
- CINEMA
- SPORTS
- SWIMMING POOL
- SKY GARDEN
- SHOP
- LIBRARY





MOBILITY

BICYCLE PARKING

1466 SPOTS
266 STANDS
200 SECURED
+1000

CAR PARKING

566 SPOTS
355 UNDERGROUND
211 OPEN AIR

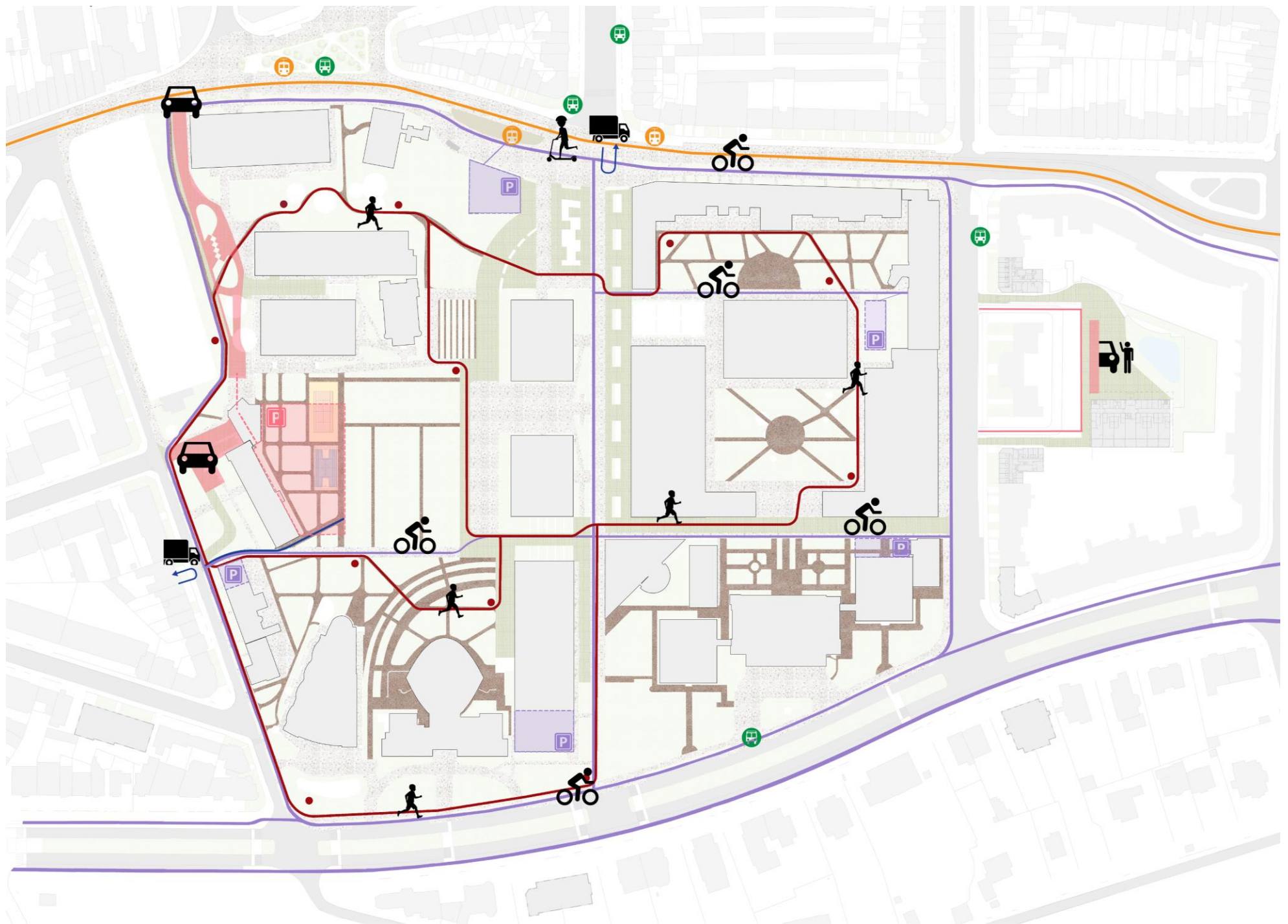
BUS STOP 

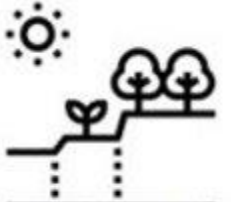
TRAM STOP 

BICYCLE

CAR

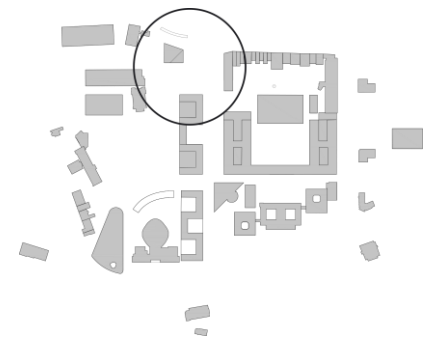
FIT-O-METER

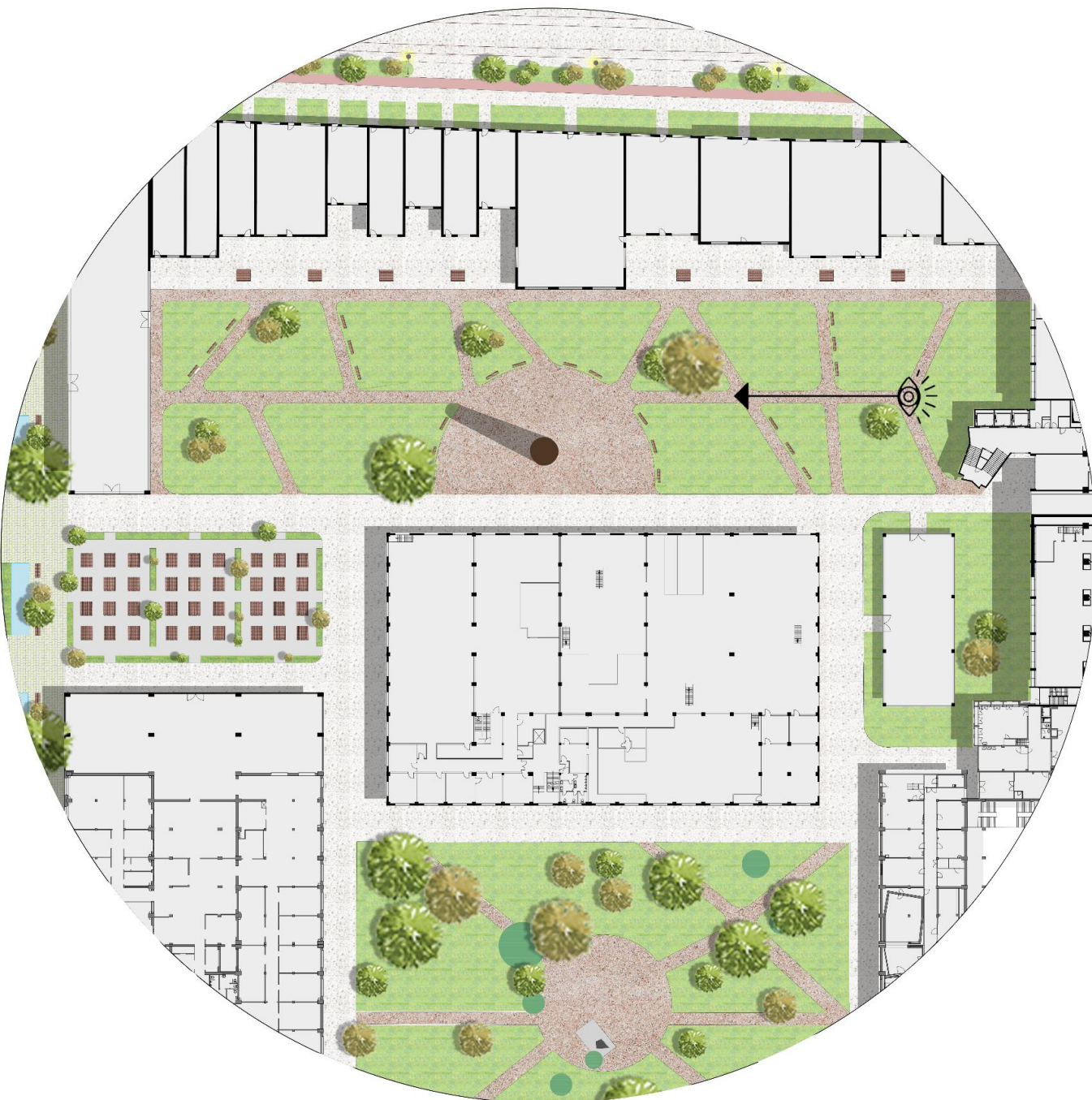
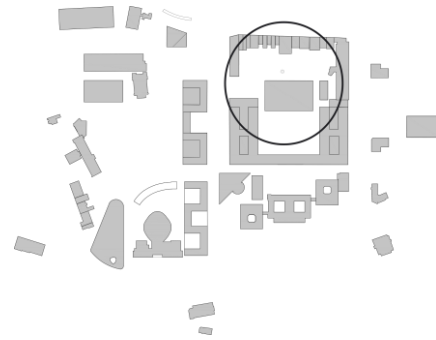


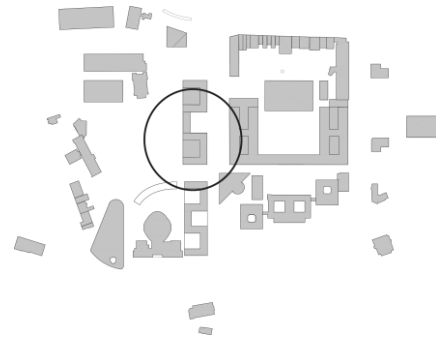


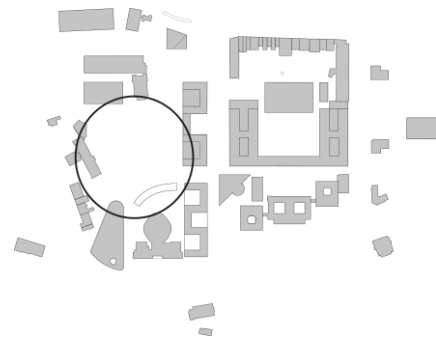
OPEN SPACE FRAMEWORK

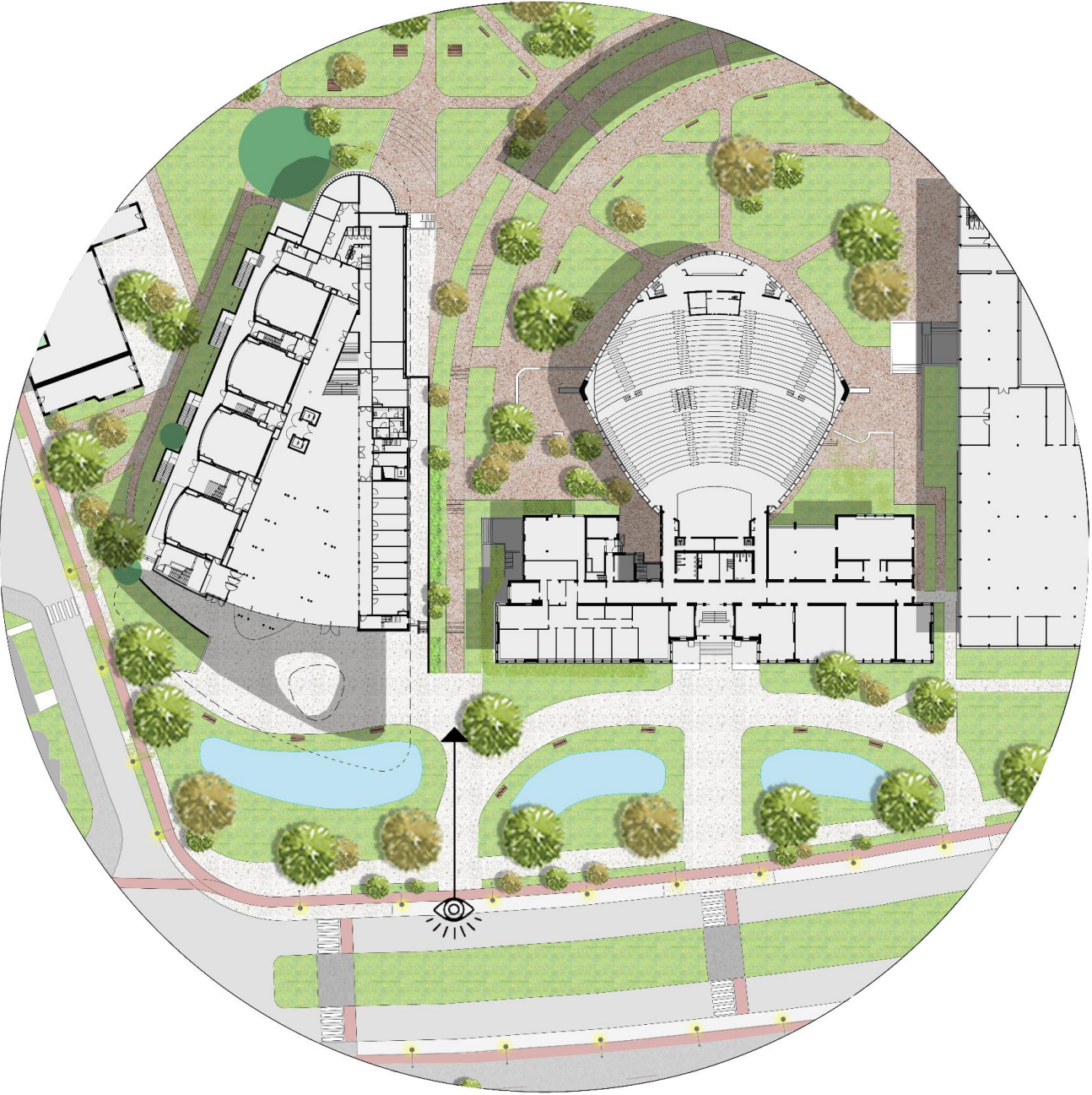
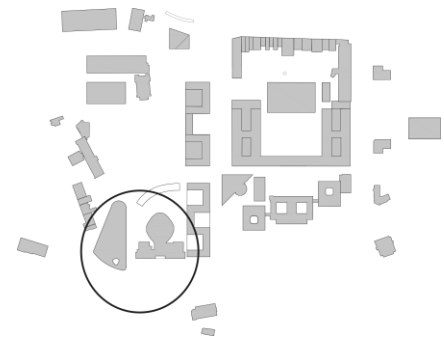


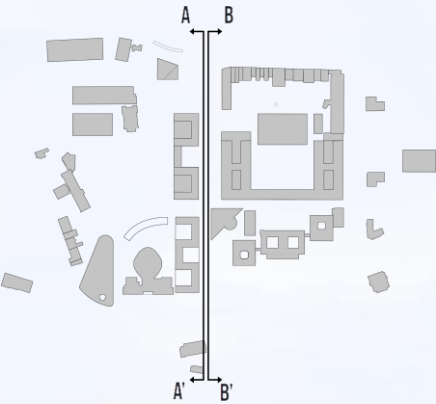








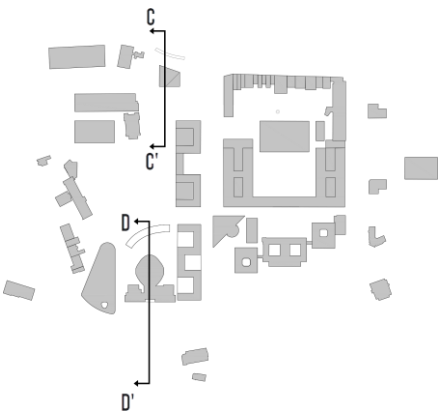
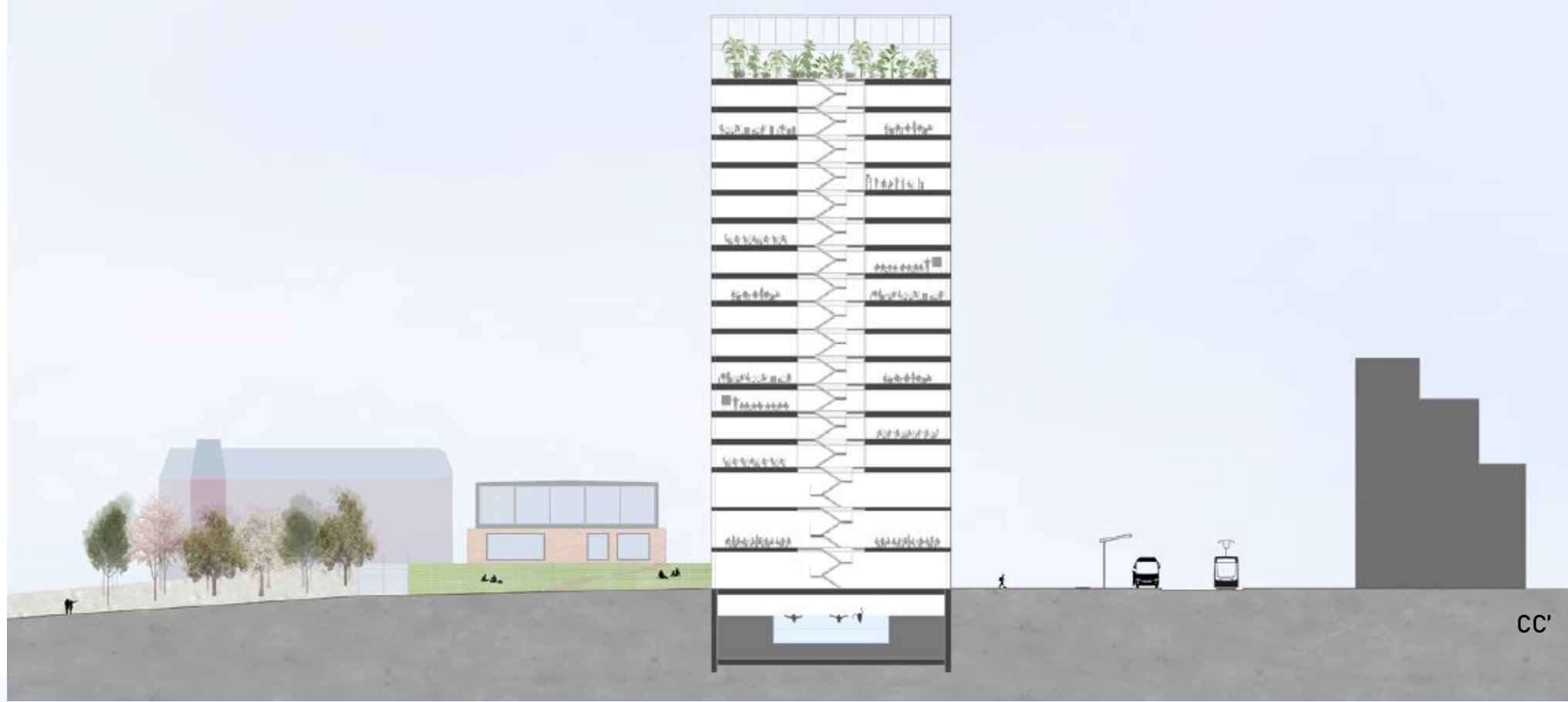




AA'



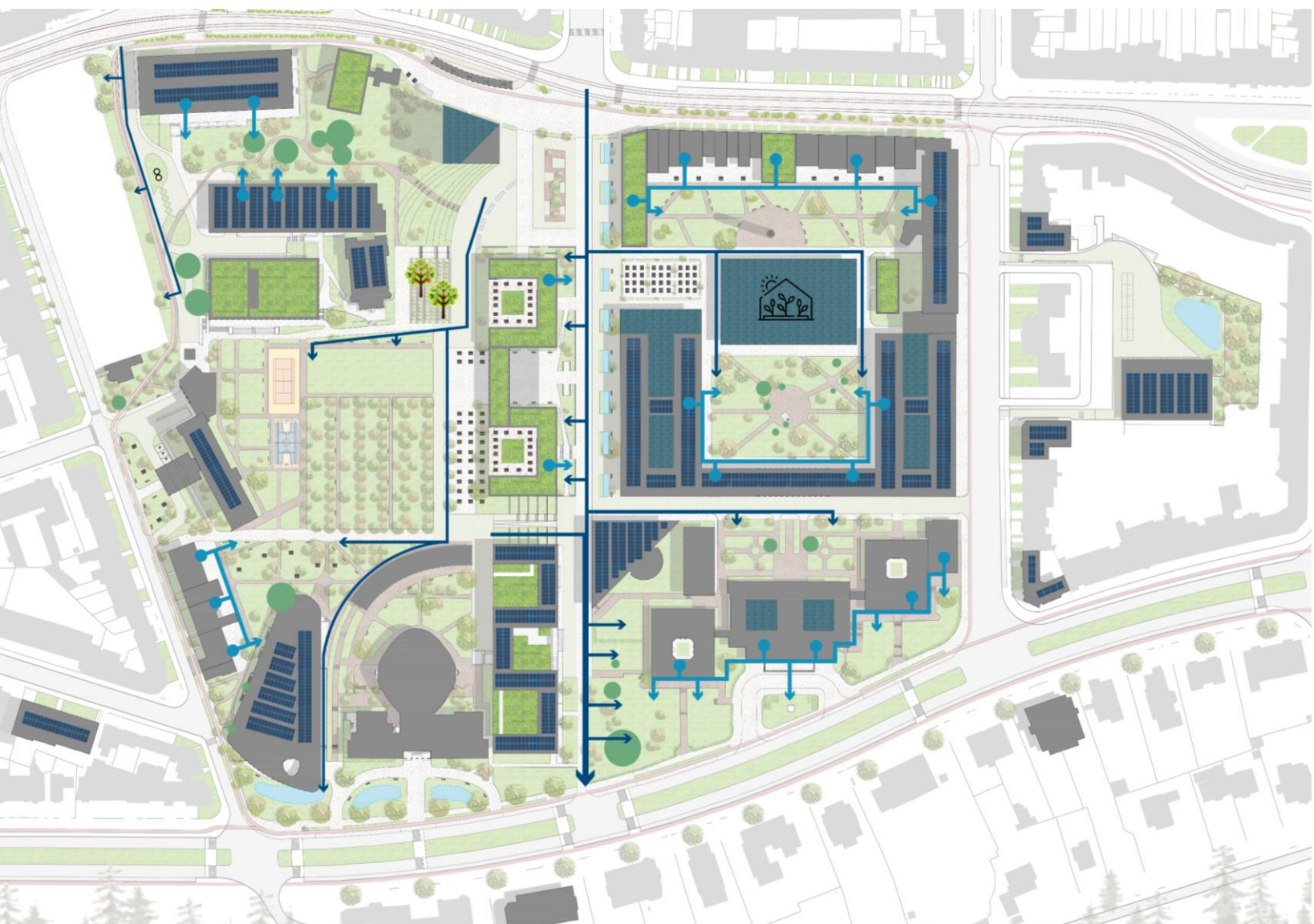
BB'



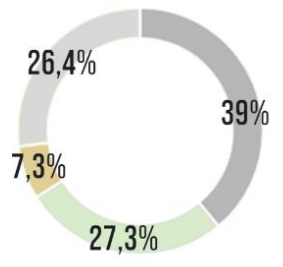


EE'

SUSTAINABILITY

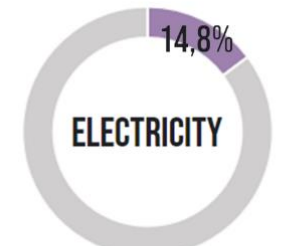


WATER

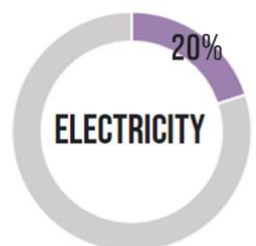


GREEN SPACE 43 680 M²
BUILDING 62 400 M²
IMPERMEABLE SURFACE 42 329 M²
PERMEABLE SURFACE 11 591 M²
25% OF BUILT SURFACE

ENERGY



ELECTRICITY
MID TERM
 ON CURRENT BUILDINGS
 2 179 319 KWH



ELECTRICITY
LONG TERM
 ON GREEN ROOFS
 2 921 590 KWH **SOLAR PANELS**

HEATING CONSUMPTION 11 796 893 KWH
40% REDUCTION OF HEAT CONSUMPTION

FOOD

GREENHOUSE 1800 M²
 10 692 KG
ORCHARD 96 TREES
 1920 KG



ECONVERGENCE

SOLBOSCH CAMPUS TOWARDS A NEW VISION

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