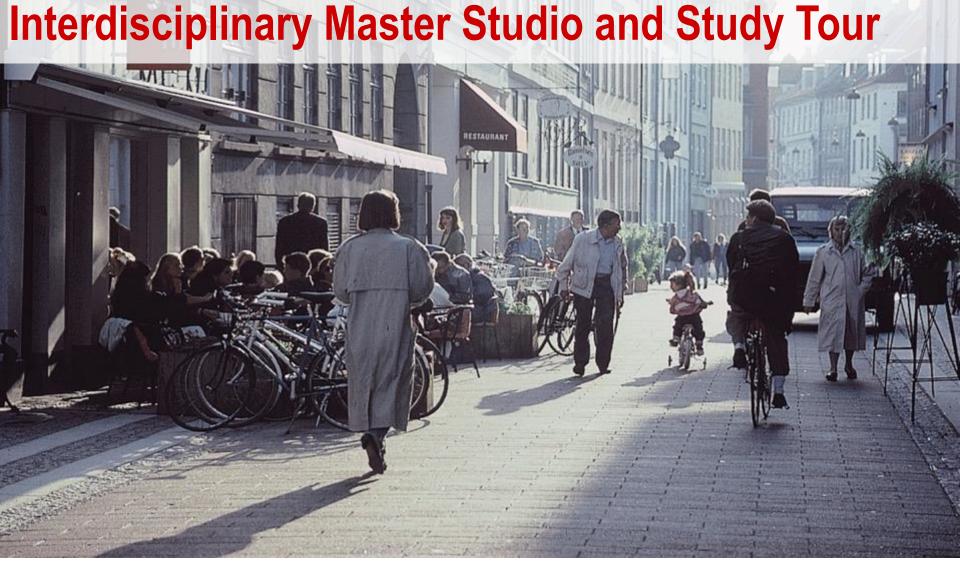
Ecological Urbanism Advanced Studio 2024:



with Schulze + Grassov Urban Design

A planning process with people in focus



Life!

Spaces

Buildings

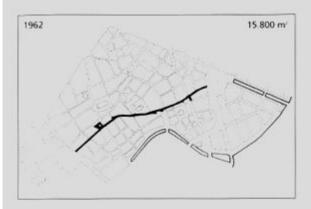
Denmark's Public Space Design Streets and Squares for City Life

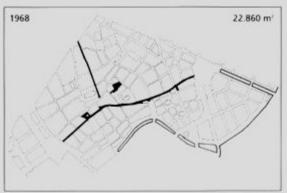


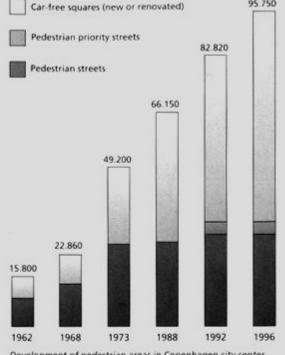




DEVELOPMENT OF CAR-FREE STREETS AND SQUARES 1962-1996

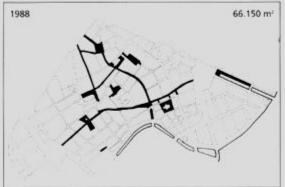






95.750

1973 49.200 m²



Development of pedestrian areas in Copenhagen city center from 1962 to 1996 (in square meters)





Illustrated on this page are 34 years of gradual transformation of Copenhagen city center.

By 1996, the city center had some 96.000 m' set aside for people activities, a six-fold increase from the first stage in 1962. The bar graph above shows that the creation of pedestrian streets was actually finished by 1973. Effort has been concentrated subsequently on reclaiming and improving the city squares - the potential oases of the city.





Car invasion 1950 - 60s

Streets and squares are taken over by cars



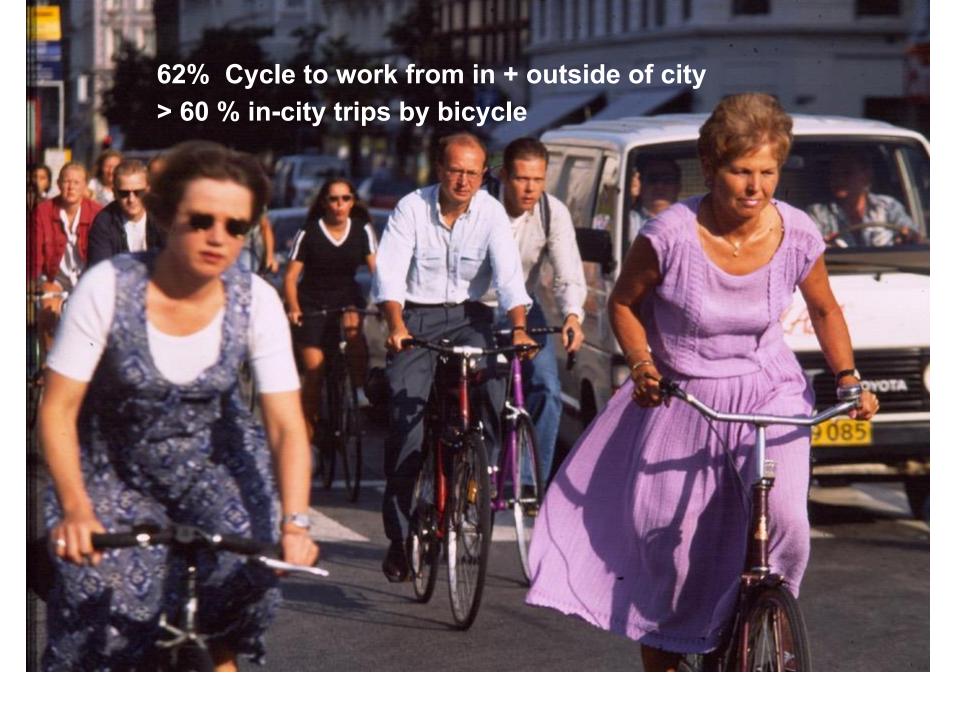




Strædet - førog efter

Nyhavn - beforeand after 1980





Going to work in the municipality of Copenhagen



Cycling for all – it's just a way of getting around.



Inviting public spaces foster public life.



A new Urban Culture: An "Edgy" City













Using Urban Nature to make a Liveable, Sustainable City + Adapt to Climate Change



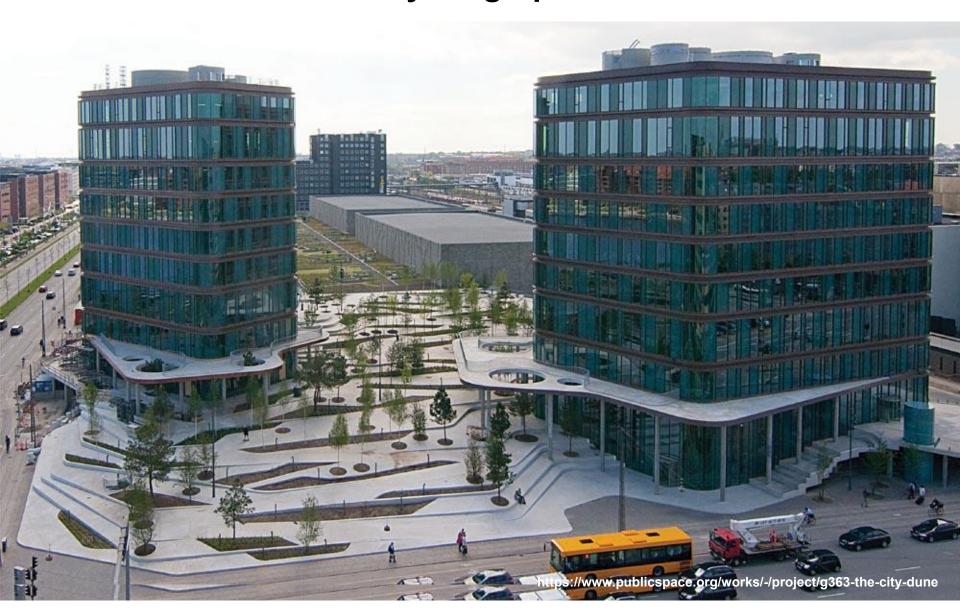








Layering Space



City Dune / Harbour Highline



Sustainable District Planning: Nordhavn (Cobe)





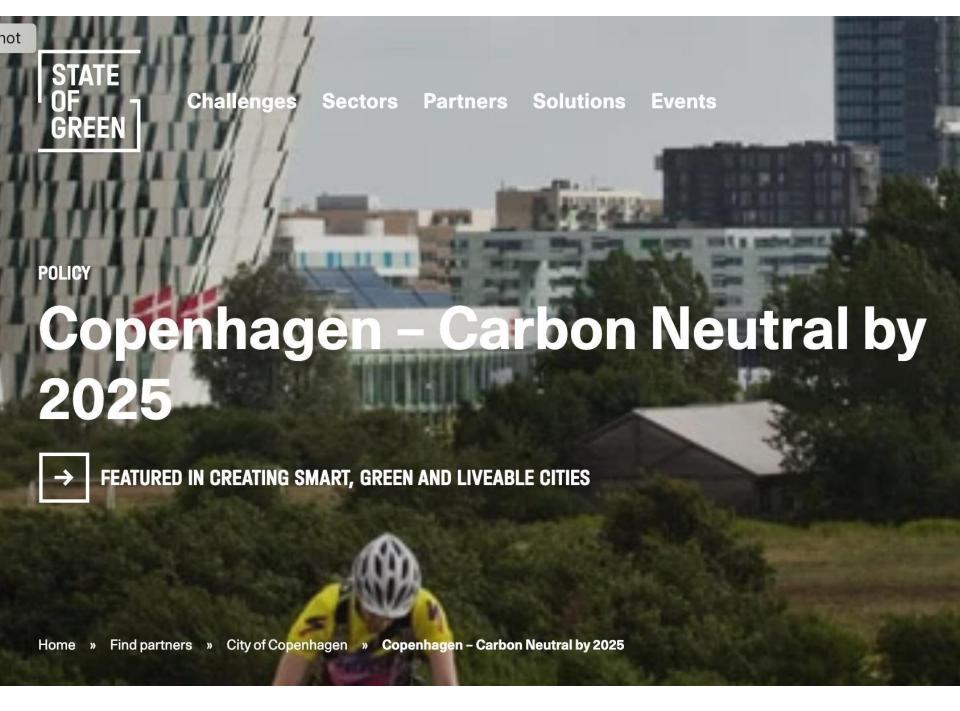
"The **circular economy** represents an unprecedented opportunity for our industry. We must rethink the way we build and design into a scalable, value-driven practice of the resource **economy.**" - Kasper Guldager Jensen, **GXN**, **Home.Earth**

Closed-loop Systems

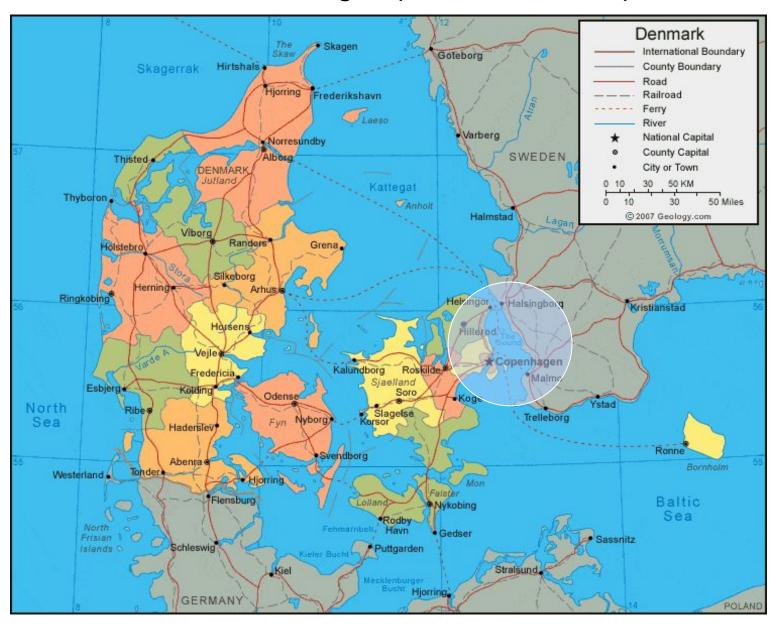
- Circular Thinking
- Cradle to Cradle
- Nature-Based Solutions

BUILD WITH CARE





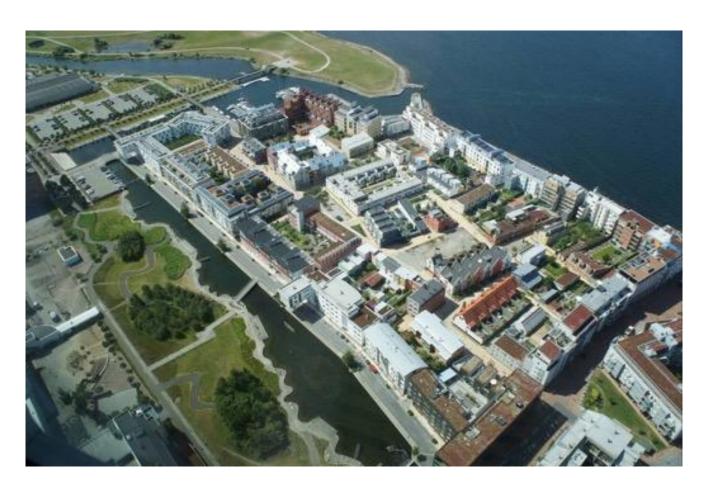
Öresund Region (Denmark – Sweden)



DENMARK SWEDEN CPH Malmö

Porous Public Space
Urban Nature for Climate Adaptation

Malmö, Sweden: Sustainability Renaissance



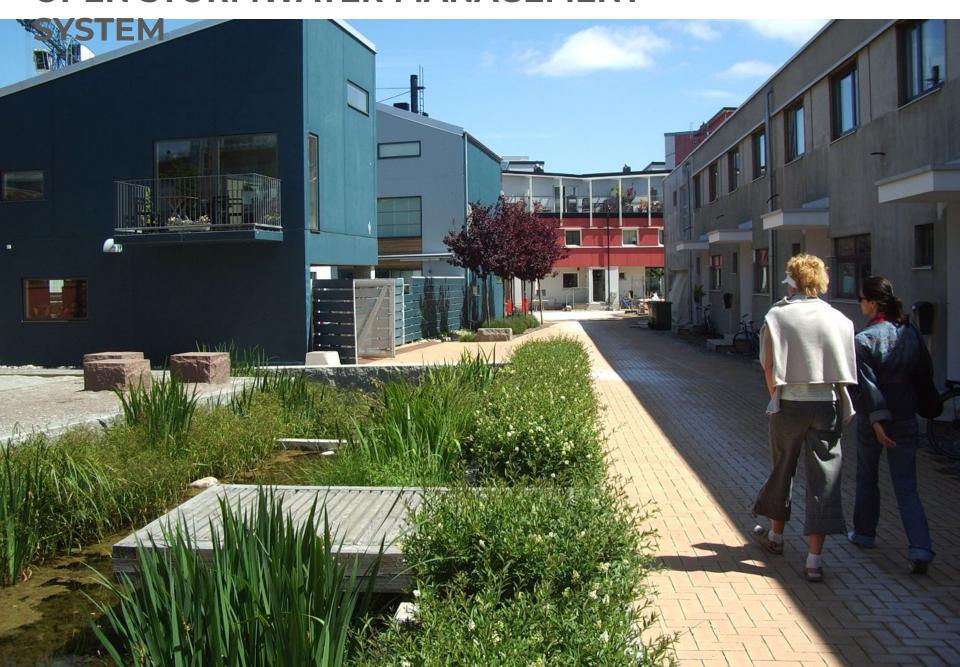


Malmö, Sweden: Sustainability Renaissance

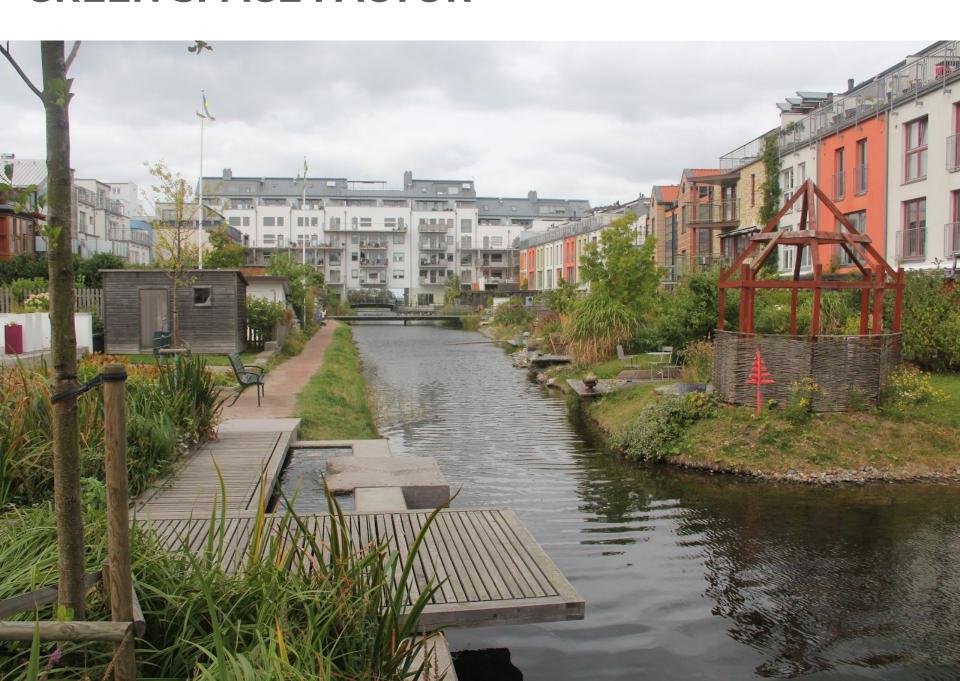


Western Harbour / Bo01

OPEN STORMWATER MANAGEMENT

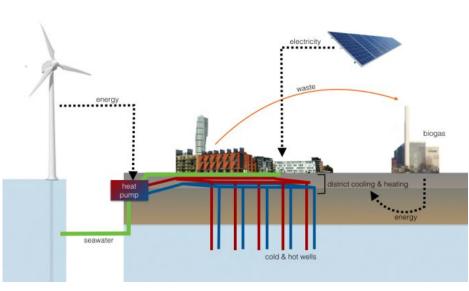


GREEN SPACE FACTOR



CLOSED LOOP RENEWABLE ENERGY INFRASTRUCTURE





urbanecologycmu

Green Roof Institute, Augustenborg, Hyllie, Bike System, Cycle Kitchen, Amphitheater, Rosengaard, etc. in Malmö....



Hyllie

The Study Tour: Copenhagen + Malmo



Cycling



Office Visits



Site Tours



Instruction





Copenhagen, Århus, Malmö

Cyding

Copenhagen Left
Cyding in Heels
Cyding in Suits
Cyding with Coffee
Cyding in Style
Hand Signals
Grade-Separated (

Grade-Separated Cyde Tracks
Dedicated Bike Lanes

Bicycle Right-of-Way Bicycle Culture

Helmet or no Helmet?

Topography

Cargo Bikes

Bike Parking

Bike Racks

Bikes on the Metro



The Trip: Copenhagen + Malmö

Office Visits

Schulze + Grassov

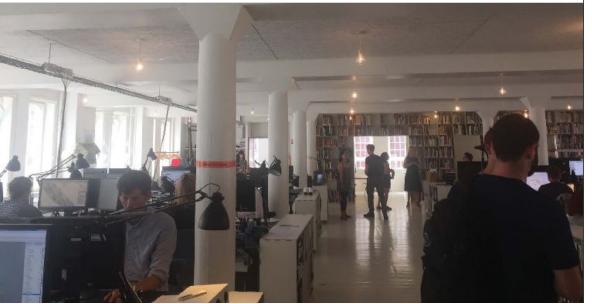
Gehl Architects

COBE

Schønherr

SLA

City of Copenhagen









The Trip: Copenhagen + Malmö

Site Tours

Bo01, Malmö Harbor Tour Pildammsparken Rosengaard Cykelkoket/STPLN Ordrupgaard Museum

Kvarterhuset ØsterGro

Vennelyst Allotment Garden Augustenborg Superkilen Maritime Youth House Amager Children's House Banana Park Hother's Plads courtyard Eastern Cemetery Sydhavn I Skolen

Amager Strandpark







The Trip: Copenhagen + Malmö

Instruction

Louise Grassov, Schulze + Grassov

Sofia Schuff, Cititek Bettina Werner, Cititek

Lars Gemzoe, Gehl Architects Birgitte Svarre, Gehl Architects Ulrik Nielsen, Gehl Architects

Bettina Carlsen, City of CPH, Bicycle Planning Lykke Leonardsen, City of CPH, Climate Adaptation

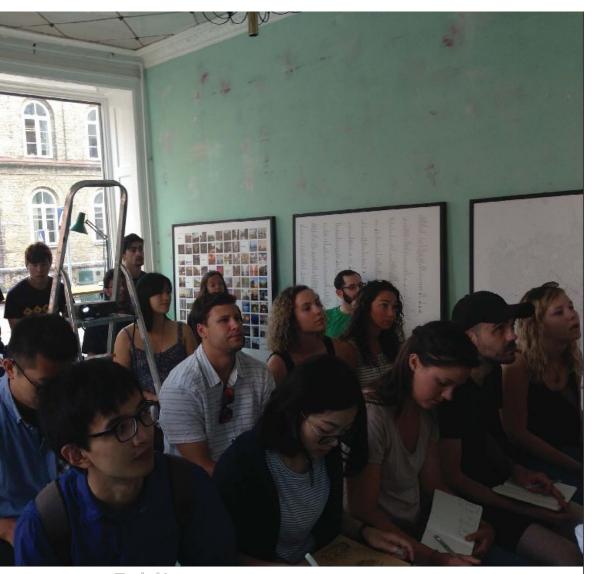
John Block, Scandinavian Green Roof Institute Catarina Rolfsdotter-Jansson, Boo 1



Field Drawing and Media Studies



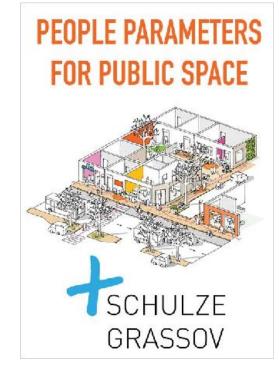




Porous Public Space
Urban Nature for Climate Adaptation

The Trip: Schulze + Grassov

Introduction to the People Parameters for Public Space





and provides access to nature, examples; street

Places that encourage human interaction and

the propagation of culture, examples, play

spaces, seating areas, gathering spaces

trees, green walls and urban agriculture

Sodal Amenity



Copenhagen Precedents

Taasinge Plads Lindevangsparken Hothers Plads Skt. Annae Plads Biblioteket

Israel Plads
Vester Volgade
Kvarterhuset
Amager Children' Culture House
Skt. Hans Torv
Superkilen
Norreport Station

OsterGRO
Tag Tomat Projects
Fredericksberg Plazas
SEB City Dunes

Porous Public Space

Urban Nature for Climate Adaptation



Source: http://www.publicspace.org/en/works/g363-bymilen



SEB City Dune

Team:

Sujing Sun, Tatyana Vashchenko

Typology:

Urban Greening

Description:

The City Dune was designed by SLA for their client, SEB Bank. The site had previously been dominated by a large, treeless parking lot and monolithic office building. The designers were challenged to maintain the number of existing parking stalls while humanizing the space to accommodate pedestrian and cyclist through-traffic and creating places to linger.

The terraced rooftop undergrounds two levels of parking while creating a universally accessible connection through a performative landscape which mitigates heat island effect and diverts 95% of the site's stormwater from the municipal sewer system. The sloping site is composed of shifting terraces which penetrate the surrounding SEB Bank buildings, subtly linking indoor with outdoor space.

A universally accessible path cuts its way across terraces and plantbeds, linking a future bicycle high line to street-level bike lanes. Narrow plant beds, when viewed at ground level, create the illusion of dense planting through repetitive layering of beds along each terrace. The City Dune evokes an open woodland draped across a bright hillside, an urban oasis for skateboarders and office workers alike.

Location: Bernstorffs Plads, Kalvebod Brygge, Copenhagen, DK











Intervention Scale

- 1 All concrete used on site is bright white, allowing it to reflect UV light and reduce heat island effect.
- 2 One hundred and ten atomizers utilize reclaimed stormwater to emit a fine mist on very hot days, helping to cool the area and ensure survival of plant material.
- 3 Multi-tiered plantings occupy narrow planters, which in plan view, appear to be scattered acros the sloping site. At eye-level, they collapse to form a layered screen.
- **4** Pavement joints highlight the facets of the multiplaned, inclined landscape, serving both a functional and aesthetic purpose.
- **5** Light posts vary in height and all feature lamps which are manipulable and directunal, reducing light pollution at night.
- 6 Trees are planted alone as specimens or in groupings to form masses. The City Dune planting palette is composed of Swedish dune plants which are well suited to a bright urban hillside.
- 7 The winding path across the dune is made up of relatively large and continuous concrete pours while the spaces between ramps are formed of numerous triangular "facets" which span the slopes between path segments.



Site Scale

universally accessible path

one of many possible short-cuts



Site Circulation:

Though the most obvious route through the City Dune is the universally accessible path zig-zagging its way between plantbeds, many pedestrians choose to cut across the terraces where plantbeds don't pose an obstacle. The main path forces one to slow down and view the landscape from numerous vantage points, yet the terraces do not preclude an agile pedestrian from scaling them and choosing a more direct route. To a scateboarder the concrete terraces are an amenity and invite urban play. For SEB Bank employees moving between buildings, the route is quite convenient as building entrances are located on nearly the same plane.



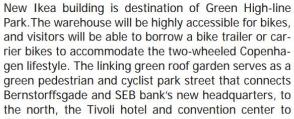


Site Users (left):

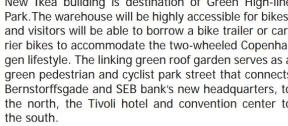
Currently, the City Dune is used recreationally by skateboarders, curious cyclists, people who work locally, and the odd architectural tour group. Once the Harbour High Line is completed, the path will likely see much higher volumes of cyclist and pedestrian traffic.

Terrain Scale

Proposed Harbor High-line



















Harbor High-line

Kalvebod Brygge to IKEA

Rigsarkivet Grønne Green Roof

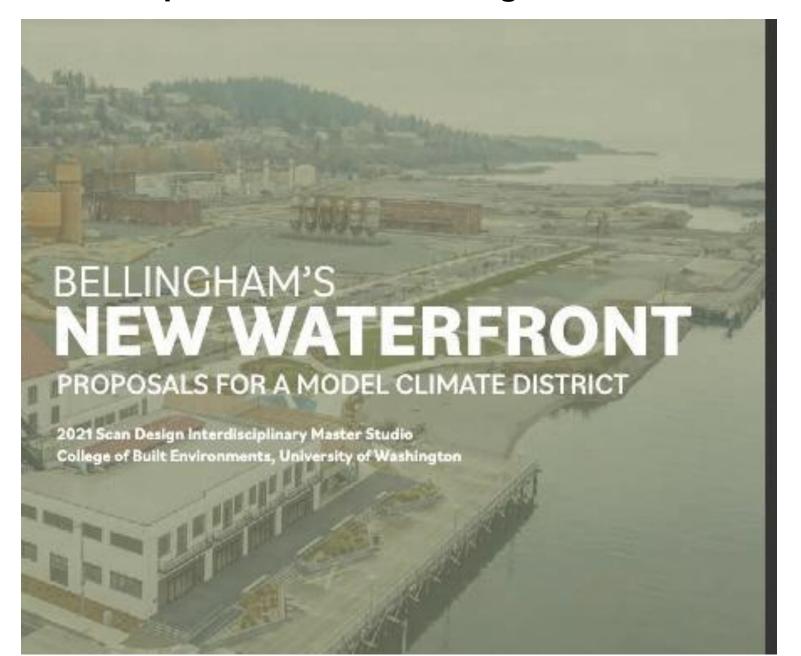
SEB City Dune



Master Studio with Louise Grassov, Schulze + Grassov

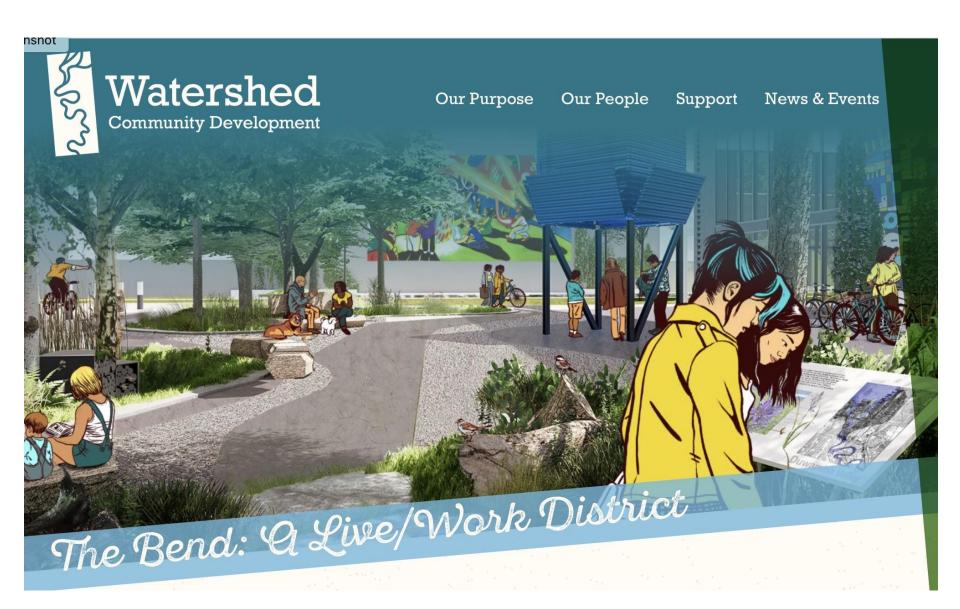


Follow Up: Master Studio Design Work Documented



The Bend

https://watershedcommunity.org/our-purpose/the-bend-live-work-district/



<u>Copenhagen – Malmö Study Tour 2024</u>

Dates Aug. 30 - Sept. 15, 2024

Lodging Copenhagen hostel and apartments, Malmø hostel,

Airfare Currently \$800

General ≈Schedule First day: Meet as group Friday eve., Sept. 2

Sat/Sun: Semi-guided excursions; side trip to Sweden and Samsø

Monday-Friday: tours of exemplary urban design and environmental encounters,

sustainable transport, design offices, etc. Most travel by bicycle.

Last day: Saturday, September 17 (lodging until Sept. 18 am)

Program Director Professor Nancy Rottle, FASLA, Landscape Architecture + Vincent Javet +

CPH-based Master Teacher + Local Experts

Credits (6) For Autumn Studio, (3) for study tour, LARCH 497 -- journal to be submitted

first week of fall studio), Fall Term.

SCANDESIGN INTERDISCIPLINARY MASTER STUDIO 2024

Anticipated study tour expenses per person (estimates only)*: Aug. 30 - Sept. 15 2024

Organized and paid by the Program	
Loadrjing	\$1 200
Local Transportation (tilkes, iraina) Governd by Program Fee	5400
Group program and four costs, museum admissions, 2 group dinners (provided by grant)	5800
Paid Directly by Program	\$2,400
Arranged and paid by the student	
l light	\$1,000
Lood and Drink	\$500
Travel Health Inamence (required)	\$55
Danish 8IM eard for smartphone	\$20
Study Abroad fee (required)	8495
Program Lee	5400
Discretionary (entertainment, supplies, stropping, etc.)	VALIER
Estimated Total Paid by Student	\$2,470
Poseible Scard Jeagn Foundation allocation	-8800
Possible need-based actiolarabija (5500 - \$1000) - FAFSA required	-\$1,000
Potential out-of-pocket cost to each student	\$870 - \$1,860

