

Sustainable Urban Design Denmark + Sweden

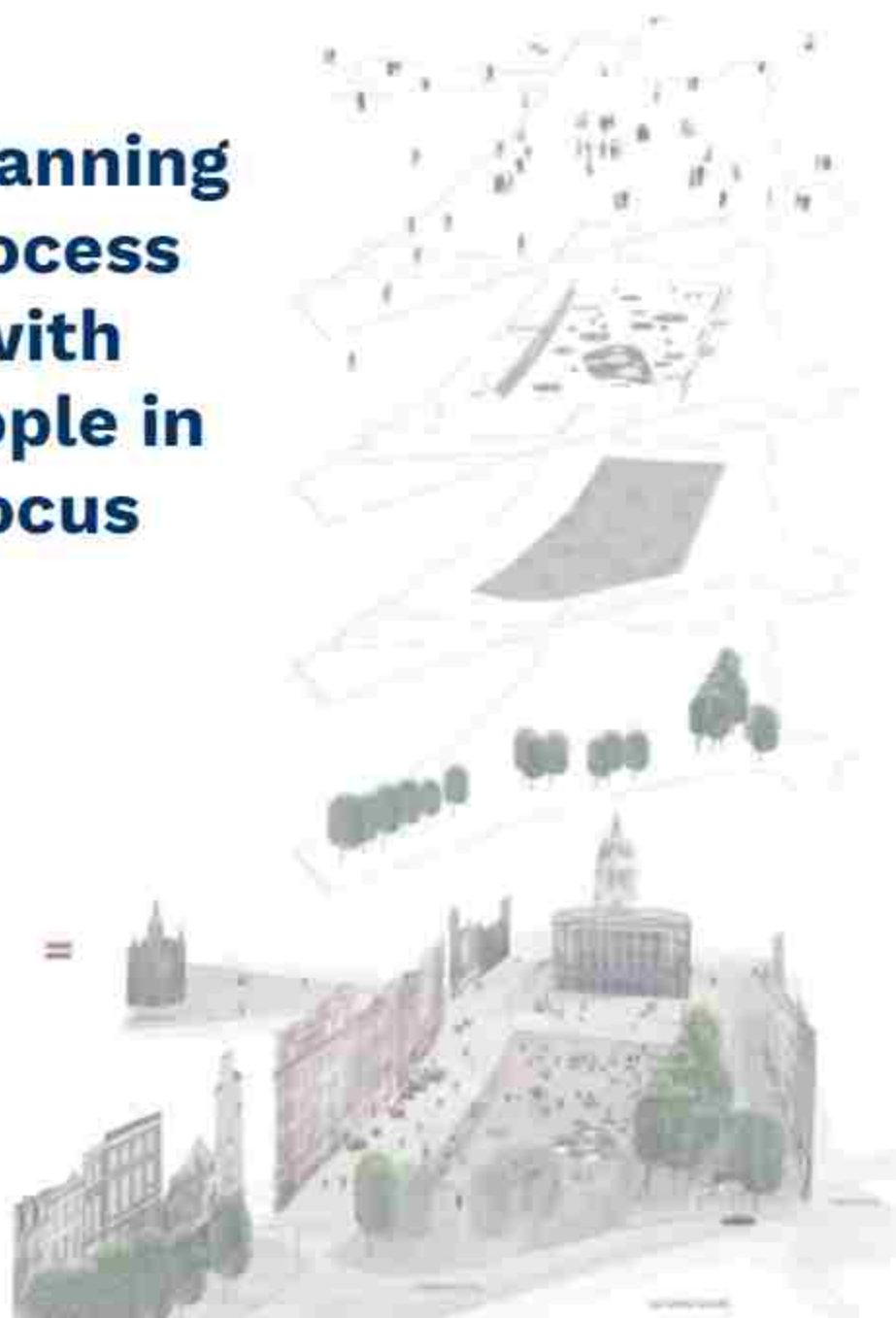
Design, Culture and Climate

Interdisciplinary Master Studio and Study Tour



with Schulze + Grassov Urban Design Studio

**A planning
process
with
people in
focus**



Life!

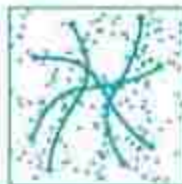
Spaces

Buildings

Life between buildings

There is a close relation between social behavior of people and how we plan the environment.

TO ASSEMBLE



OR DISPERSE

TO OPEN UP



OR CLOSE IN

TO INTEGRATE



OR SEGREGATE

TO INCREASE



OR REDUCE

TO INVITE



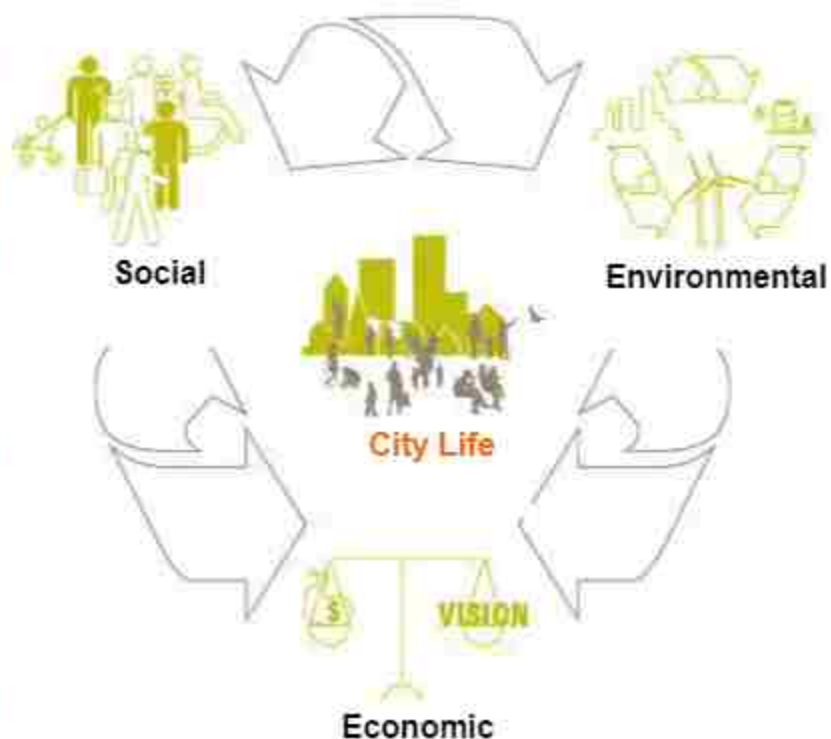
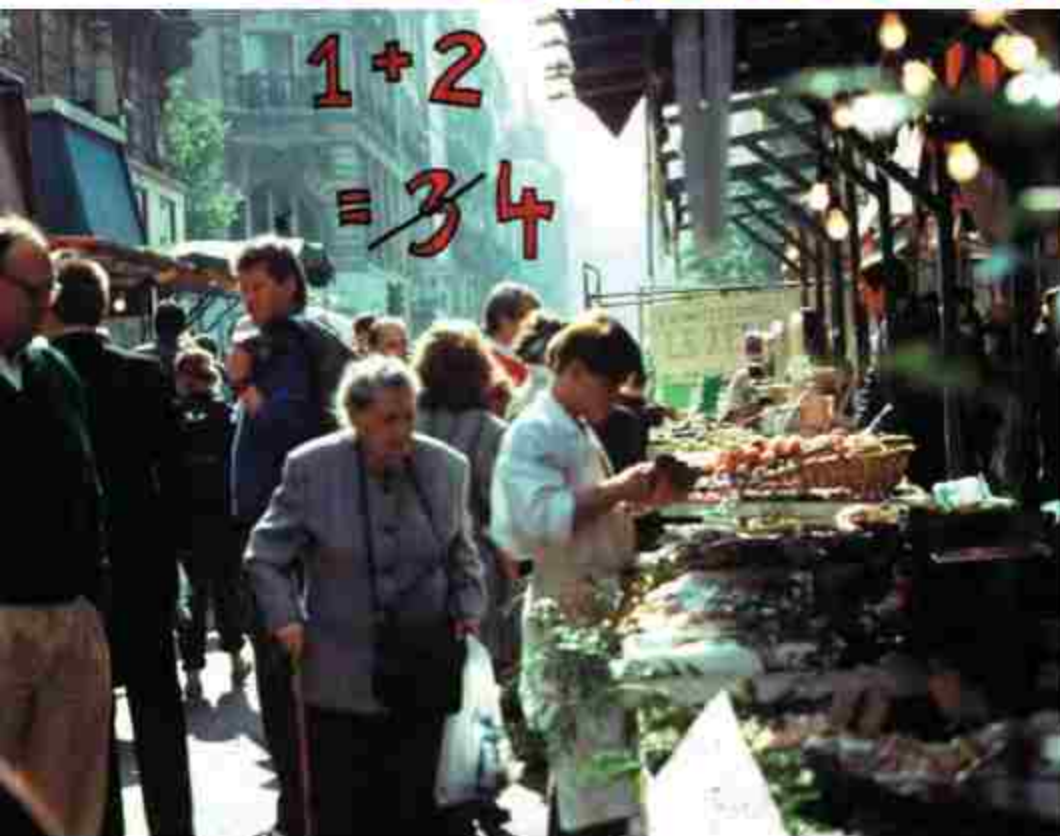
OR REPEL



People cities are sustainable cities

Think sustainability holistically:
in environmental, economical & social terms

Think of space as a precious resource!

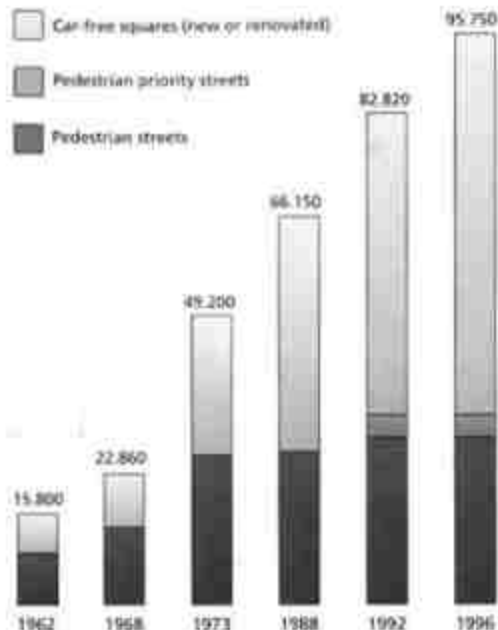


Denmark's Public Space Design

Streets and Squares for City Life



DEVELOPMENT OF CAR-FREE STREETS AND SQUARES 1962-1996



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 m² 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.



The main street "Strøget"
before 1962



80.000 people per 24 hours in the summer

“Strøget” today

Car invasion 1950 - 60s

Streets and squares are taken over by cars





Strædet - førog efter

Nyhavn - before



.....and after 1980



A photograph showing a group of people riding bicycles on a city street. In the foreground, a woman in a purple dress is riding a bicycle, looking towards the camera. To her left, another woman in a blue patterned dress is also riding a bicycle. In the background, several other people are riding bicycles, and a white car is visible. The scene is set in an urban environment with buildings and trees in the background.

62% Cycle to work from in + outside of city

> 60% In-city trips by bicycle

Going to work in the municipality of Copenhagen



70% continue to bike in the winter

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



Inviting public spaces foster **public life**



A New Urban Culture: An “Edgy” City

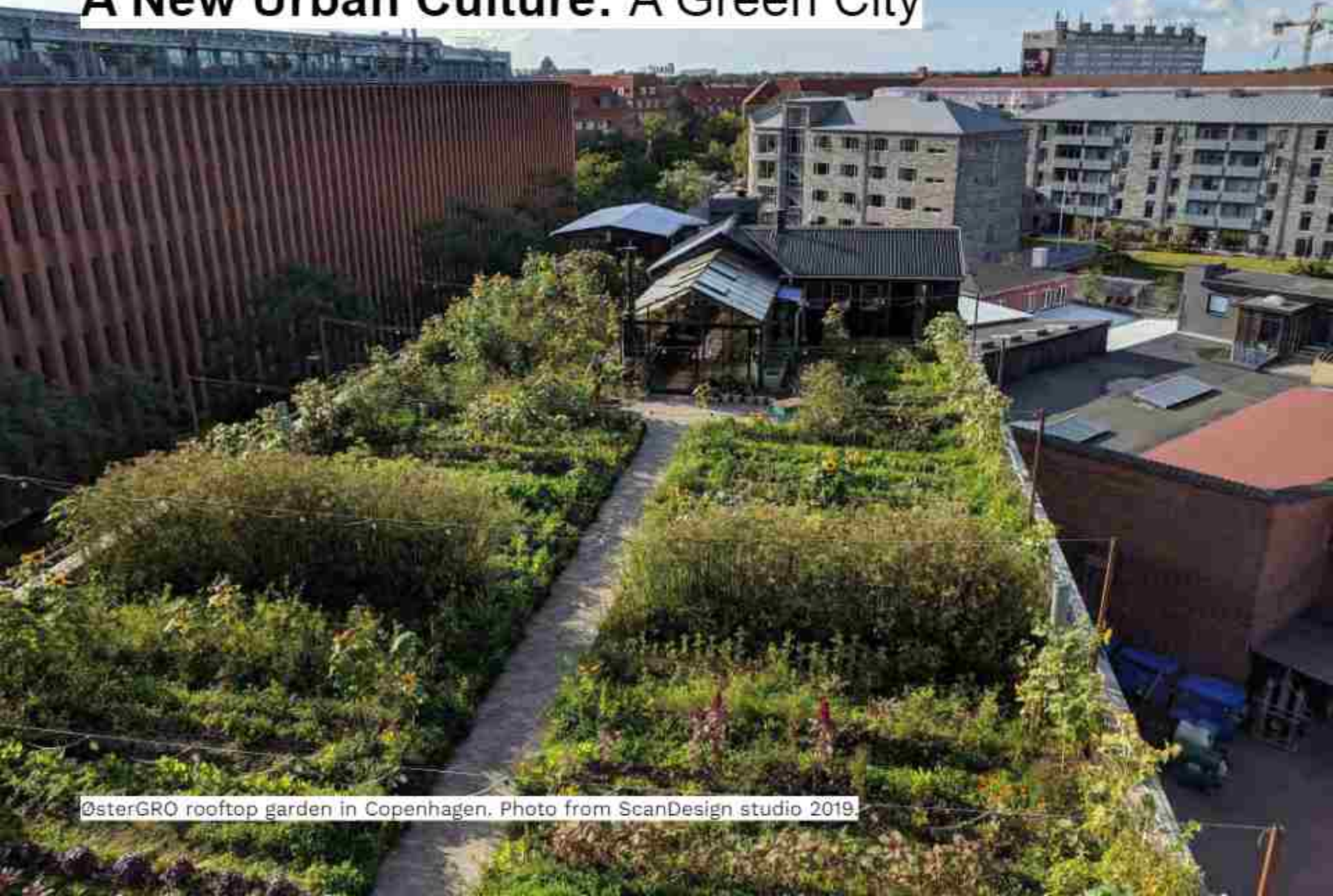




Embracing the city's waterfronts



A New Urban Culture: A Green City

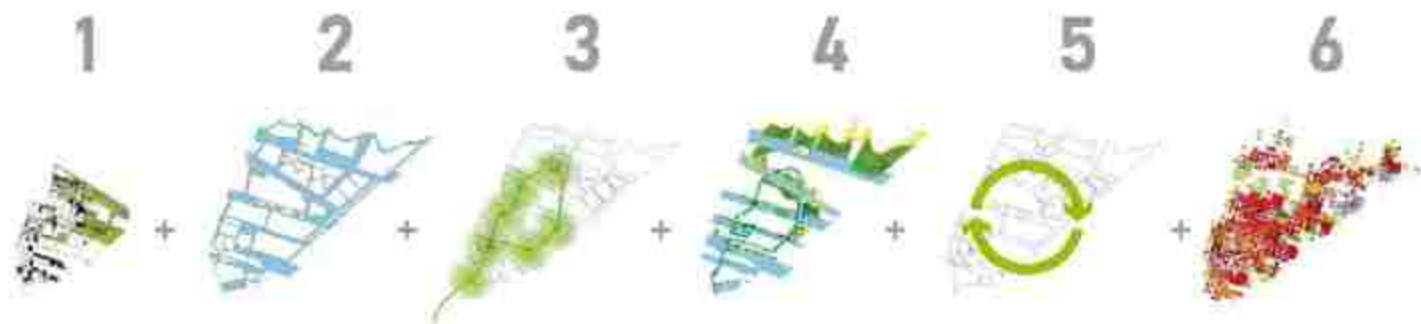


ØsterGRO rooftop garden in Copenhagen. Photo from ScanDesign studio 2019.

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



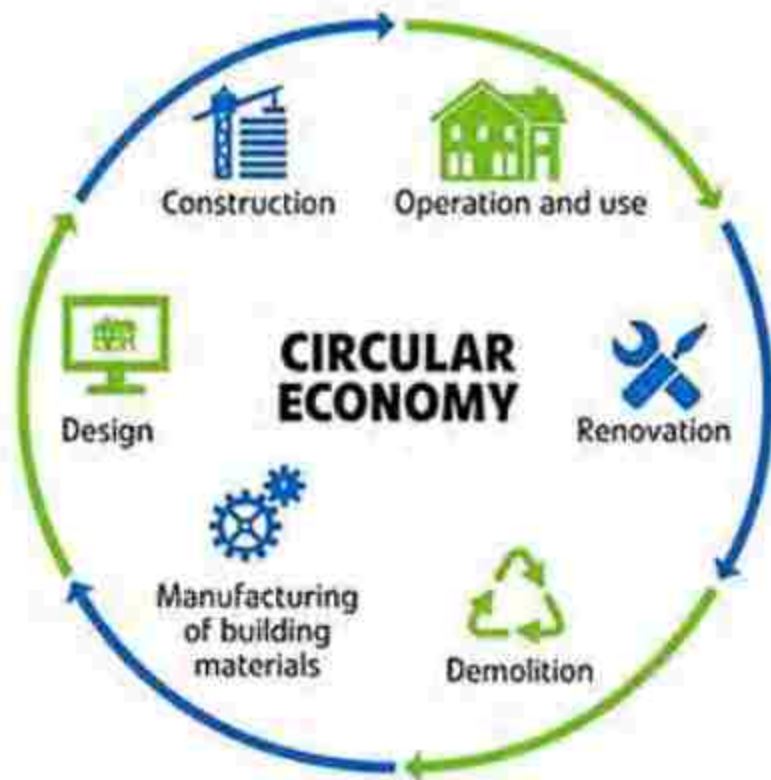
Sustainable District Planning: Nordhavn (Cobe)



“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, Director of GXN*

BUILD WITH CARE

- Closed-loop Systems
- Global Green New Deal
- Cradle to Cradle
- Regenerative Agriculture
- Nature-Based Design



not

STATE
OF
GREEN

Challenges Sectors Partners Solutions Events

POLICY

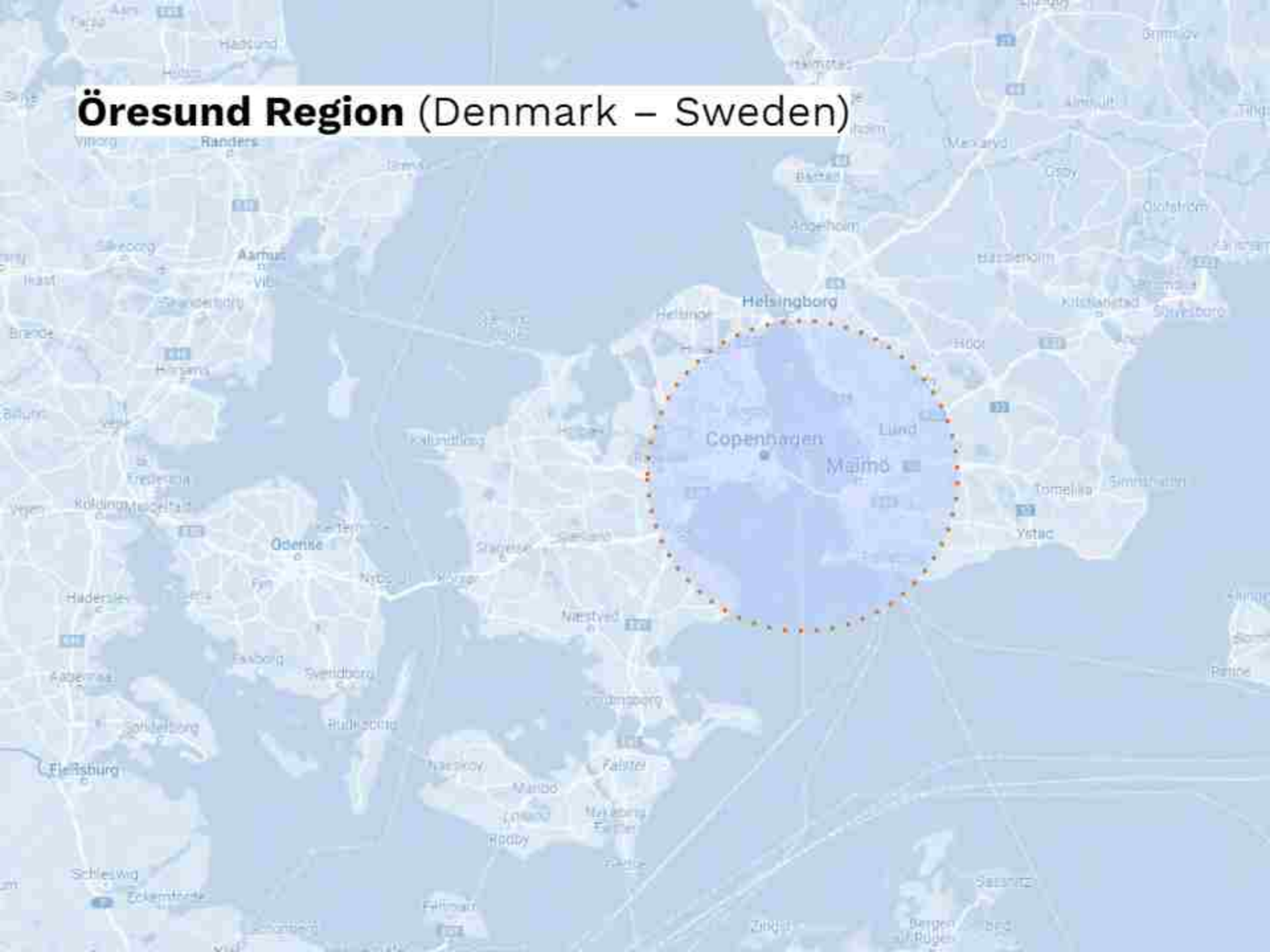
Copenhagen – Carbon Neutral by 2025



FEATURED IN CREATING SMART, GREEN AND LIVEABLE CITIES

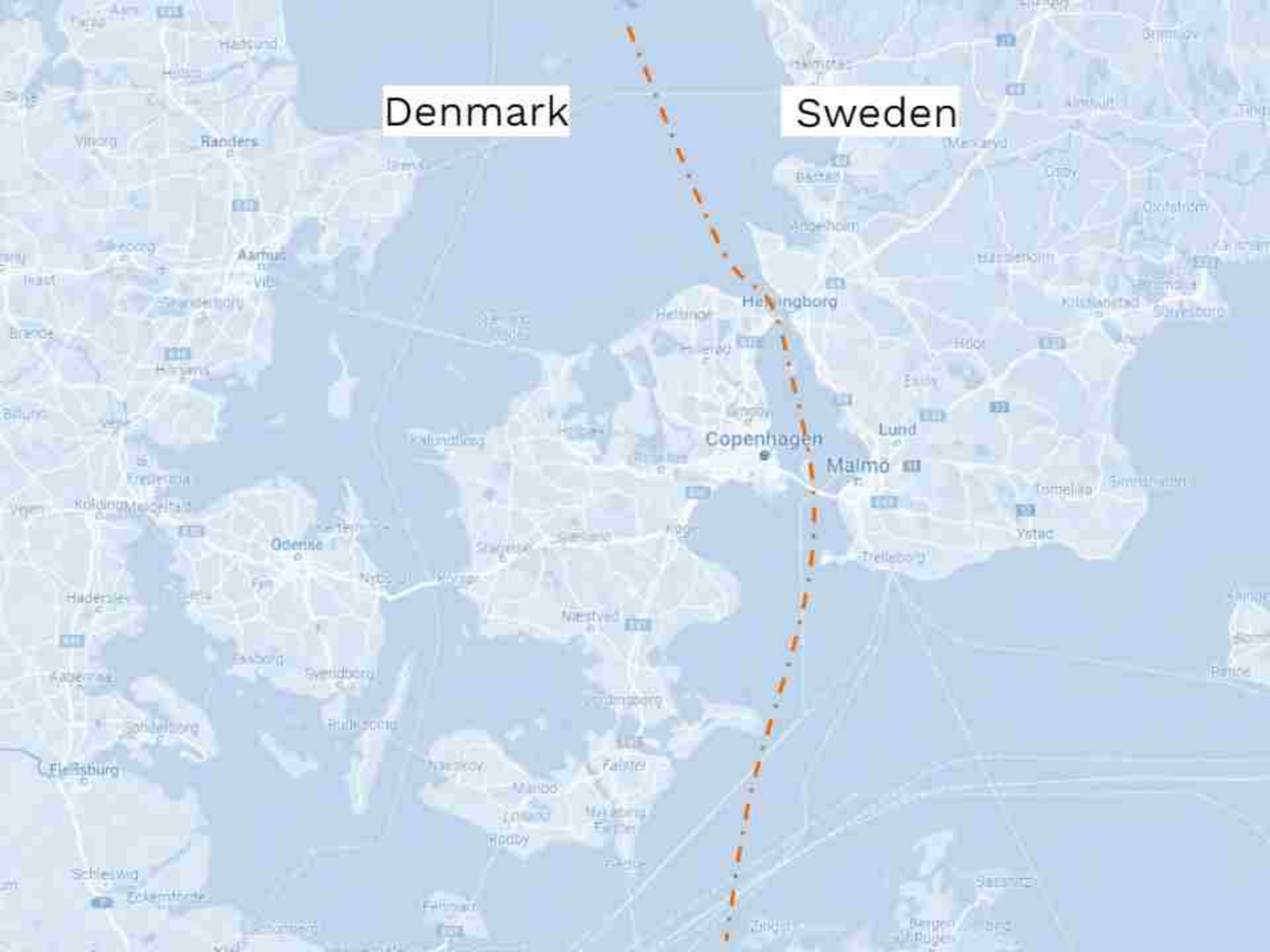
Home » Find partners » City of Copenhagen » Copenhagen – Carbon Neutral by 2025

Öresund Region (Denmark – Sweden)



Denmark

Sweden



Malmö, Sweden: Sustainability Renaissance



Malmö, Sweden:
Sustainability Renaissance
Western Harbour / Bo01



Malmö, Sweden. Photo from City of Malmö

Open Stormwater Management System



Stormwater management system in Sweden. Photo from ScanDesign studio 2019.

Green Space Factor



Green Space Factor example from Western Harbour, Sweden. Photo from ScanDesign studio 2021

Closed Loop: Renewable Energy Infrastructure

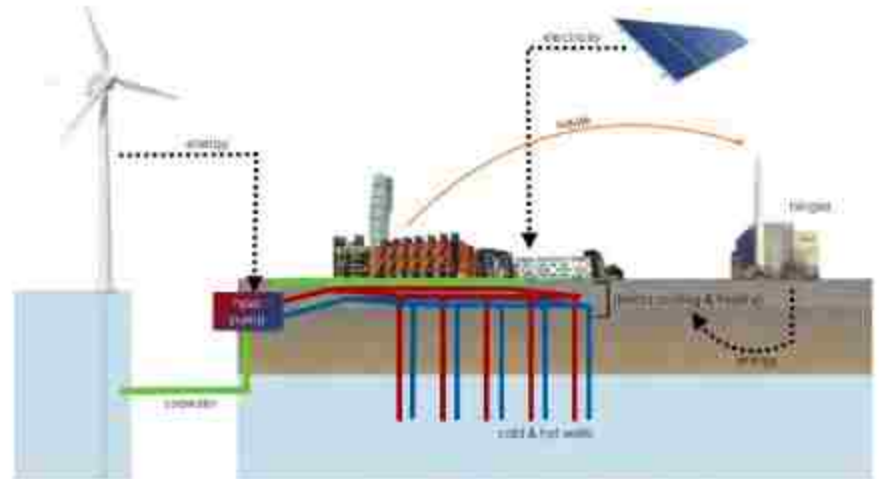


Image source: urbanecologycmu

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



Hyllie

The Study Tour: Copenhagen + Malmo



Cycling



Office Visits



Site Tours



Instruction



Copenhagen, Århus, Malmö

Cycling

Copenhagen Left

Cycling in Heels

Cycling in Suits

Cycling with Coffee

Cycling in Style

Hand Signals

Grade-Separated Cycle 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

Fildammsparken

Rosengaard

Cykelkøket/ STPLN

Ordrupgaard Museum

Kvarterhuset

ØsterGro

Vennelyst Allotment Garden

Augustenborg

Superkilen

Maritime Youth House

Amager Children's House

Banana Park

Holther'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, Bo01





Field Drawing and Media Studies





Porous Public Space
Urban Network for Community Adaptation

The Trip: Schulze + Grassov

Introduction to the People
Parameters for Public Space

PEOPLE PARAMETERS
FOR PUBLIC SPACE



+ SCHULZE
GRASSOV

Master Studio: with Gehl Architects / Schulze + Grassov



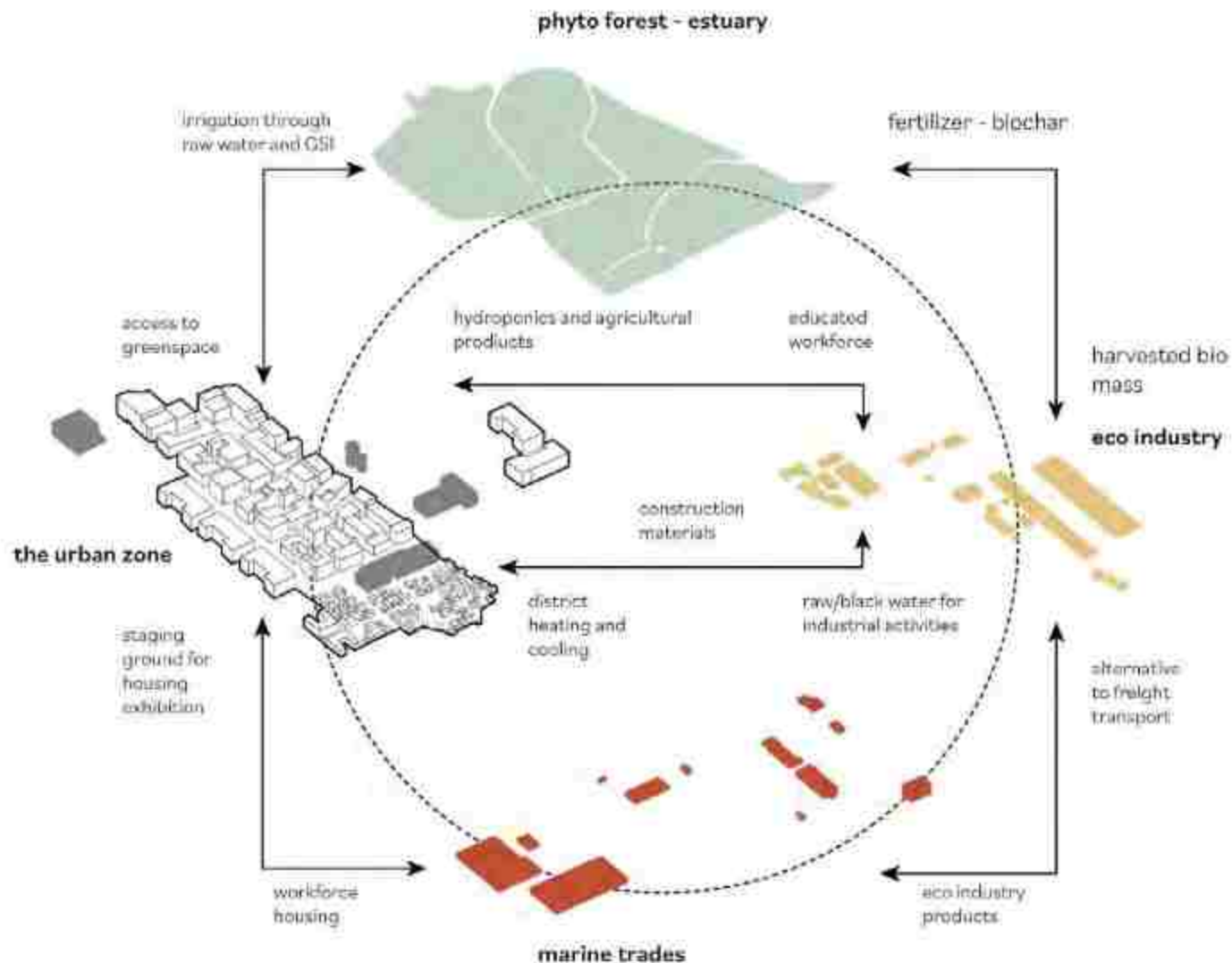
2021 and 2022 Projects: Bellingham's New Waterfront, A Model Climate District



Bellingham Field Trip: Meeting the site, city and people



Embrackish: Circular Systems





Reworking Waterfront: Urban Design





Scan Design Foundation Master Studio 2023

CONNECT! A Climate-Responsible North I-5 Lid

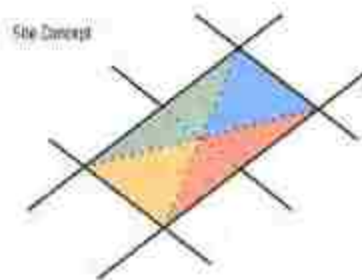
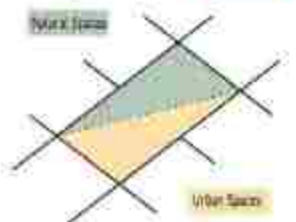
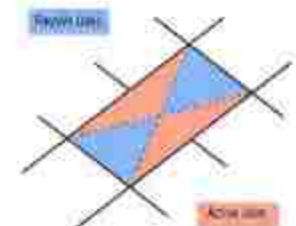
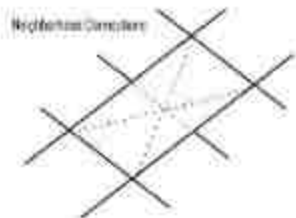
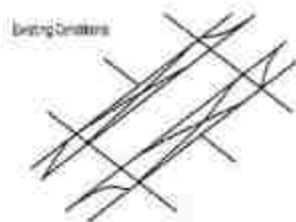
Instructor: Nancy Rottle | Master Teacher: Louise Grasso | Teaching Assistant: Kat Golladay

GREEN SEAM

A lush urban oasis
connecting neighborhoods,
people, and nature.

Group Members:

Griffin Cronk
Carmen Kwok
Tim Seed



SYMBIOSIS

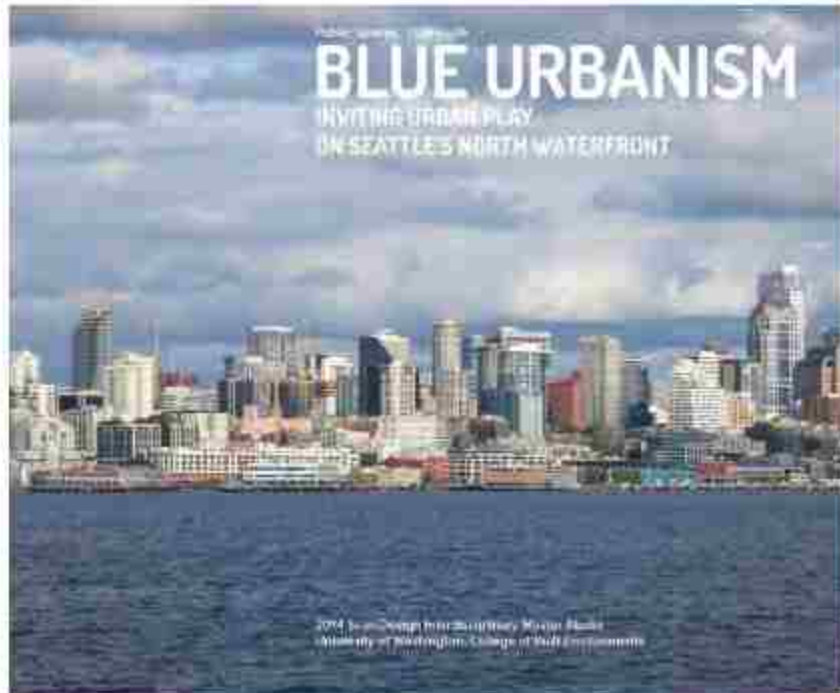
Inspired by the symbiosis between mycorrhizal fungi and plant roots, this concept reflects upon the relationships that exist between neighborhoods and seeks to further connect these communities across scales, modalities, and cultures.

Group Members:

Austin Bass
Laurel Hicks
Darryl Vallejos



Follow Up: Design Work Documented



Denmark – Sweden Study Tour 2024

Eligible Students Graduate Students enrolled in Larch 501: architecture, landscape architecture, urban planning, real estate, civil engineering

Requirements Applications Due Feb 15 (Study Abroad + Scan Design Studio)
\$400 Program Fee (offset by stipend)

Dates Aug. 30 – Sept. 15, 2024

Lodging Copenhagen-based apartments + hostels

Airfare Currently \$800

Costs Cost range to student: \$375 - \$2270 (tbd due to fluctuation in airfares and exchange rate, Scan Design support and scholarship eligibility)
Deposit: \$400 Program Fee
Stipend (\$1,500) provided by Scan | Design Foundation for all participants covers housing and transportation
Additional scholarship funding available based on need (FAFSA required)

Denmark – Sweden Study Tour 2024, cont.

General Schedule First day: Meet as group Friday eve., Aug. 30
Sat/Sun: Semi-guided excursions; side trip to Sweden.

Monday-Friday: tours of exemplary urban design and environmental encounters, sustainable transport, design offices, etc. Most travel by bicycle.

Last day: Saturday, September 14 (lodging until Sept. 15 am)

Program Directors Professor Emeritus Nancy Rottle, FASLA,
Assistant Teaching Professor Vincent Javet
Department of Landscape Architecture
+ CPH-based Master Teacher + Local Experts

Credits (6) For Autumn Studio, (3) for study tour with sketch journal to be submitted first week of fall studio, Fall Term.

| | | |
|---|-----------------------|---|
| Organized by the program | | |
| Lodging | \$1,200 | Maximum - could be less |
| Local Transportation (bikes, trains) | \$300 | |
| Itinerary organization and leadership, program and tour costs, museum admissions, 2+ group dinners (provided by Scan Design Foundation grant) | provided | |
| | | |
| Arranged by the student | | |
| Flight | \$1,200 | Currently \$800! |
| Food and Drink | \$500 | |
| Danish SIM card for smartphone | \$20 | |
| Discretionary (entertainment, supplies, shopping, etc.) | varies | |
| Study Abroad fee (required) | \$495 | might be covered by grant |
| Travel Health Insurance (required) | \$55 | |
| Program Fee (offset by stipend) | \$400 | refunded after participation |
| Estimated Total | \$3,770 | |
| ScanDesign Foundation stipend per student (covers housing and transportation) | -\$1,500 | In addition, SDF may cover SA fee |
| Possible need-based scholarship (\$500 - \$1000) - <i>FAFSA required</i> | -\$1,000 | additional scholarship may be available through Study Abroad |
| Potential out-of-pocket cost to each student | \$375 - \$2270 | low end assumes lower air fare and SA fee covered by SD, need-based scholarship |

SCAN DESIGN INTERDISCIPLINARY ECOLOGICAL URBANISM STUDIO

Denmark/Sweden Study Tour and Autumn Studio

Study Tour Dates: August 30 - September 15, 2024

Applications are due Thursday February 15th. If you are accepted into the program, you will be required to submit your payment contract via UW Study Abroad in March.

Submit

- [] completed UW Study Abroad application (link)
- [] completed application form
- [] a short resume (2 pages max.)
- [] a sample of your past studio work (8 1/2 X 11, 10 pages max., 7 MB max.)

Please submit the UW Study Abroad application and email all additional application materials as attachments to sdstudio@uw.edu by Thursday February 15th at 5pm.

Name:

Department:

Year in Program:

Email:

Phone:

1. Do you plan on participating in the full Copenhagen trip?

Yes: ☐ No: ☐

2. Do you plan to commit to participating in the interdisciplinary Autumn 2024 Ecological Urbanism design studio?

Yes: ☐ No: ☐

3. Do you require additional financial support in order to participate in the 2-week study tour?

**You will be requested to submit a statement of need and your FAFSA documentation at a later date if you are selected for the program.*

Yes: ☐ No: ☐

4. Are you applying for any other Early-Fall or Autumn 2024 study abroad programs?

Yes: ☐ No: ☐

If "yes" please list:

[Overview](#)[Location](#)[Academics](#)[Finances](#)[Application](#)[Questions?](#)

APPLICATION PROCESS

The study abroad application includes:

- Three short answer questions
- Electronic signature documents related to UW policies and expectations for study abroad
- One short recommendation survey (not a full letter) from a professor, TA or academic adviser - most programs include this requirement, but some do not. If you do not see a recommendation request field in your application, the program does not require it.

Following the online application process, you may be contacted by the program director for an in-person interview. Once an admission decision has been made regarding your application, you will be notified by the study abroad system via email.

Orientation

To be eligible to study abroad, you must complete the mandatory pre-departure online orientation provided by UW Study Abroad. You must also attend program-specific orientations offered by the program director.

You will be able to access the online orientation through your study abroad application once you have been accepted to a program. You must complete orientation prior to the enrollment deadline for the quarter that you are studying abroad.

Visas

UW Study Abroad is not responsible for obtaining visas for study abroad program participants. The cost and requirements for obtaining visas vary. It is your responsibility to determine visa requirements for all countries you plan to visit while abroad, including countries that you plan to visit before or after your study abroad program. This is an especially important consideration if you are planning to do more than one study abroad program. You can research visa requirements by contacting the consular offices of those countries. You can read more about this topic on the [Passports and Visas](#) page of the UW Study Abroad website.

Note: If you are not a U.S. citizen, consult the embassy or consulate of the countries you will visit to learn their document requirements. You can check the following the U.S. Department of State website to find contact information for the consulate of the country you will be visiting:



DESIGN, CULTURE, AND CLIMATE DENMARK + SWEDEN

SCAN|DESIGN INTERDISCIPLINARY STUDY TOUR AND STUDIO



STUDY TOUR DATES: 8/30/24 - 9/15/24

INTERDISCIPLINARY GRADUATE STUDIO, AUTUMN QUARTER 2024

Info Session: Thurs. January 18 | 12:00 pm | Gould 312 Fishbowl

Applications due Feb. 15, 2024 via UW Study Abroad

Program Director

Professor Emeritus Nancy Rottle, FASLA
Landscape Architecture

Questions?

Please email sdstudio@u.w.edu



More information at
sdstudio.be.uw.edu

Landscape Architecture Sustainable Urban Design Denmark & Sweden: Scan Design Interdisciplinary Program



Dates / Deadlines:

| Term | Year | App. Deadline | Decision Date | Start Date | End Date |
|--------|------|---------------|---------------|------------|------------|
| Term 1 | 2024 | 02/15/2024 | 03/01/2024 | 08/30/2024 | 09/15/2024 |

Quick Facts

| | |
|---------------------------------|--|
| Priority Application Deadline | 02/15/2024 |
| Admitted Participants | 20-25 students |
| UW Study Abroad Program Manager | UW Study Abroad |
| UW Credits | 12-15 |
| UW Program Director | Nancy Rottle, FASLA |
| UW Program Staff Email | sdstudio@u.w.edu |
| Program Cost | Approx. \$10,000 (includes airfare, ground transport, and insurance) |
| Financial Aid Eligibility | UW Study Abroad Financial Aid |

| | |
|-------------|--|
| Information | 1. January 18, 12:00 pm (Gould 312 Fishbowl) - Open to all students |
| Details | 2. A second meeting for admitted students February 15, 2024 |
| Notes | For the UW Study Abroad Program and for the Scan Design Interdisciplinary Program, please email sdstudio@u.w.edu for more information. We are excited to have you join our team and contribute to the program. We are looking forward to meeting you in person. If you have any questions, please email sdstudio@u.w.edu or call 206.541.4444. |

