



Naturbaseret byutvikling

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NLA Fagdag

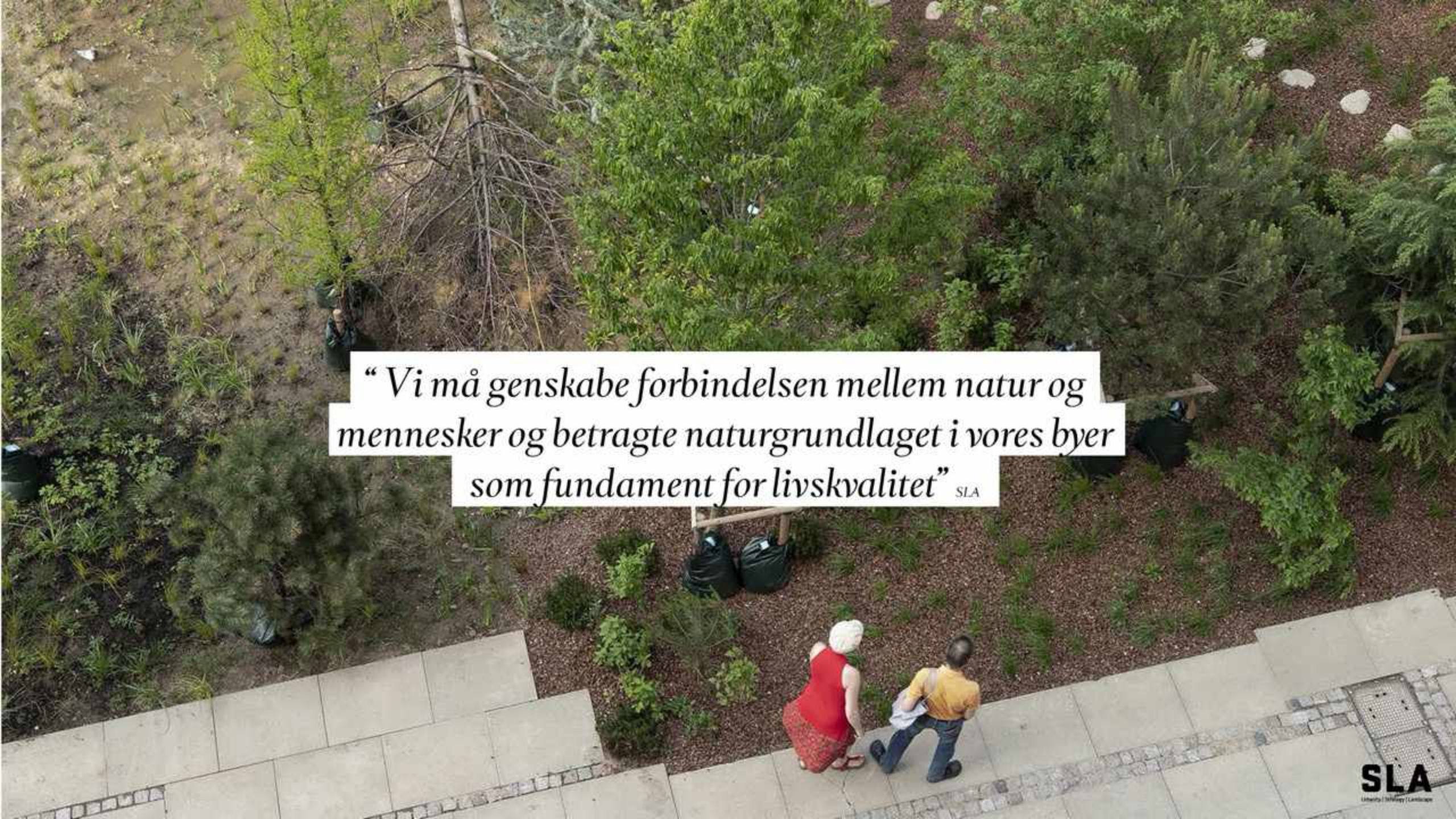
30.10.2020

SLA



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Urbanity | Strategy | Landscape

An aerial photograph of a park area. In the foreground, a paved walkway leads into a garden bed filled with various green plants and trees. Two people, a woman in a red dress and a child in a yellow shirt, are walking away from the camera. The background is filled with more trees and foliage. A white text box is overlaid in the center of the image.

“Vi må genskabe forbindelsen mellem natur og mennesker og betragte naturgrundlaget i vores byer som fundament for livskvalitet” SLA



Until today, nature has been separate from the city

A nature-based city

Solves urban challenges and creates life quality



Hvorfor naturbasert byutvikling?

Praktisk og æstetisk funksjon

Air Pollution



400.000 people yearly die of air pollution in Europe

(Source: European Court of Auditors)

Extreme Weather Events



Cloud burst event Copenhagen June 2011

Mental Disorders



Mental disorder is an increasing future threat, currently affecting 450 million people globally

Danish scientists have studied 1 million children, and concluded that growing up surrounded by nature reduces the risk of mental disorders by 55% .

(Source: WHO and Bioscience Aarhus University, 2019)

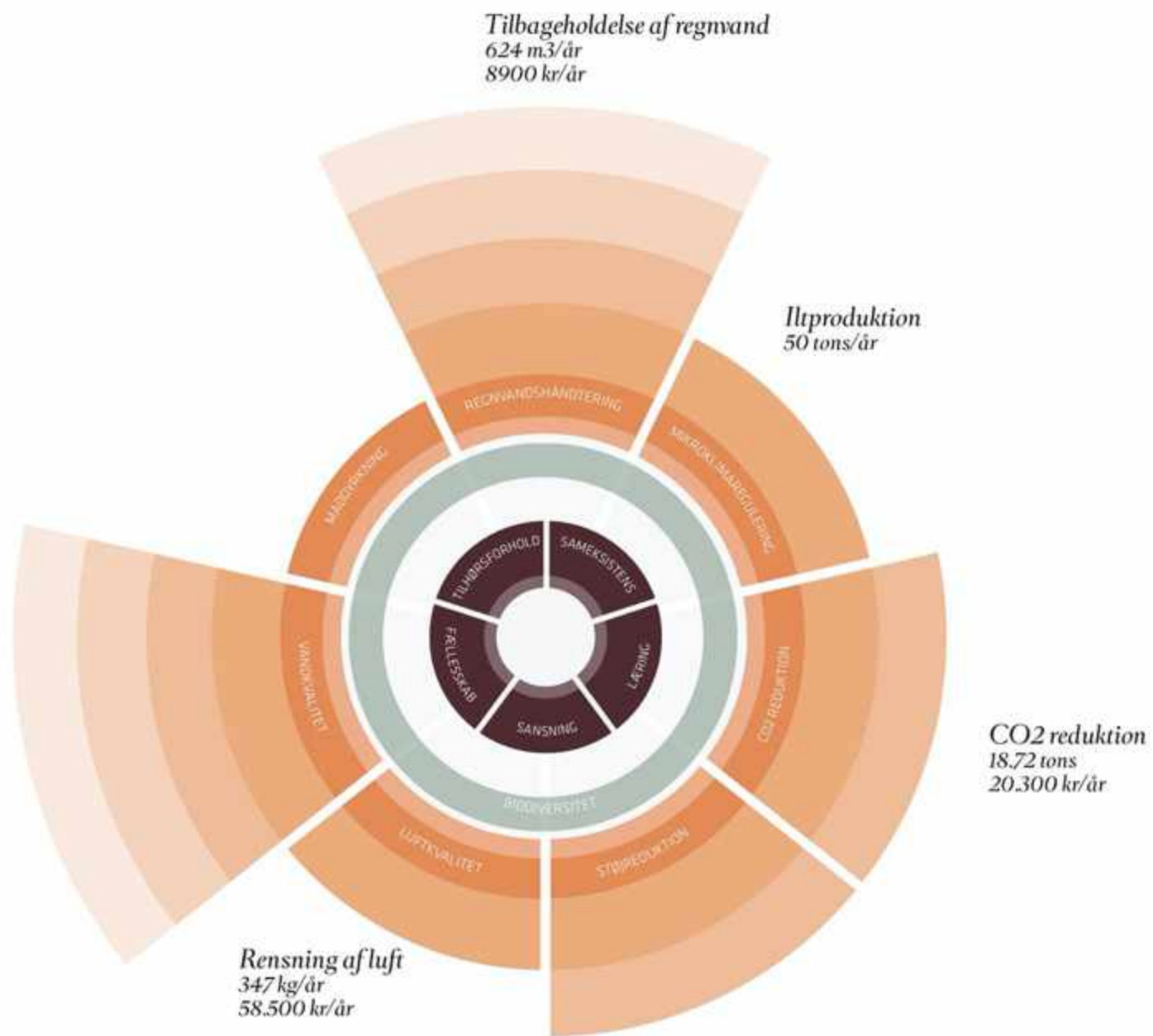
An aerial photograph of a city intersection featuring a central roundabout and several surrounding green spaces. The green spaces are filled with trees and have winding paths. Residential buildings with various roof colors (grey, red, blue) are visible around the perimeter. A white text box with a black border is centered over the roundabout, containing a quote in Danish. The SLA logo is in the bottom right corner.

“En by med en stærk bynatur er en mere velfungerende, mere leveværdig og en mere tilpasningsdygtig by” SLA

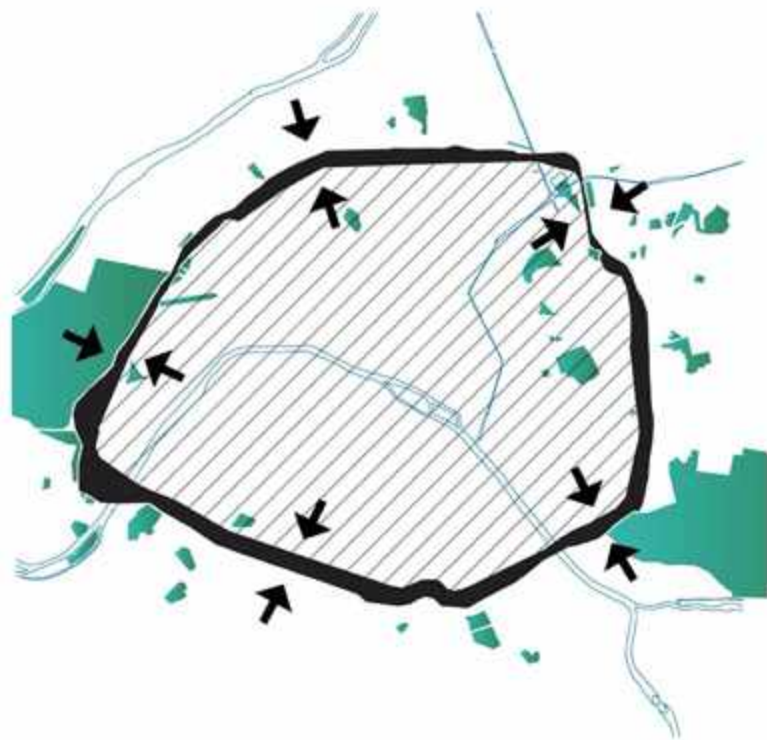
Bynatur og værdiskabelse gennem økosystemtjenester



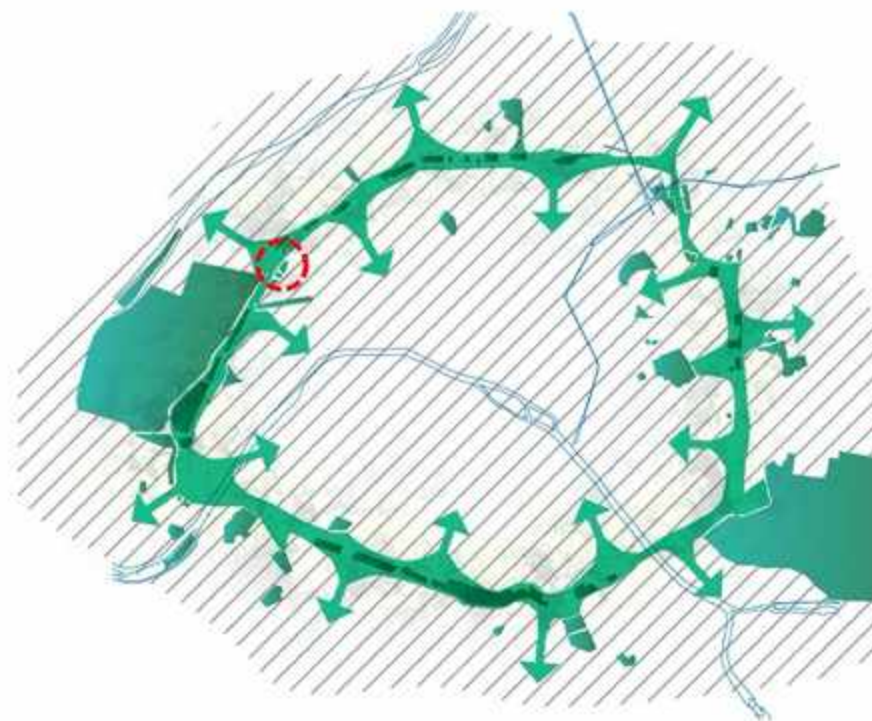
Målbare økosystemtjenester som værktøj



En ny praksis hvor by, bygninger, infrastruktur og natur sameksisterer



TODAY

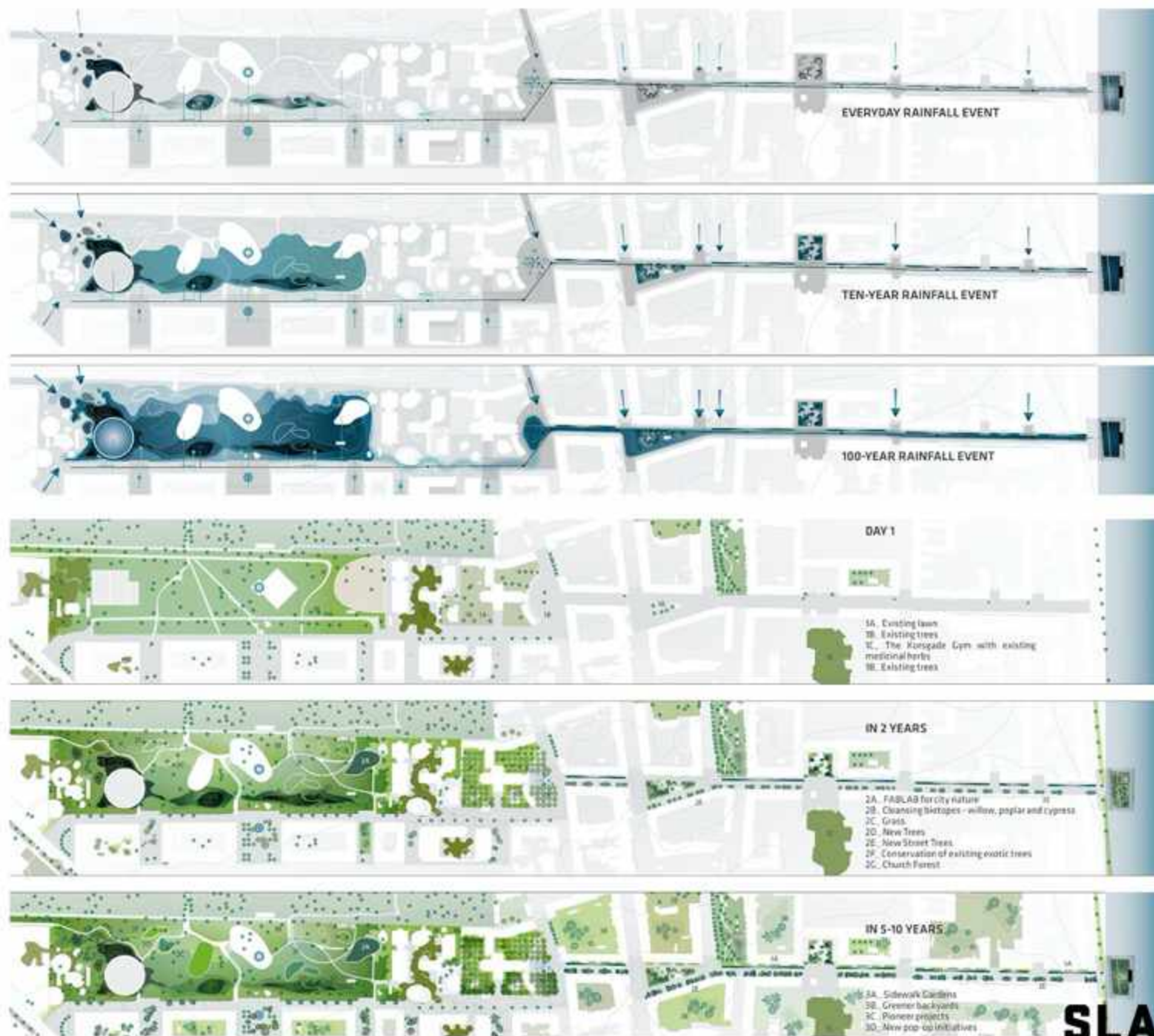


TOMORROW

City Dune over time



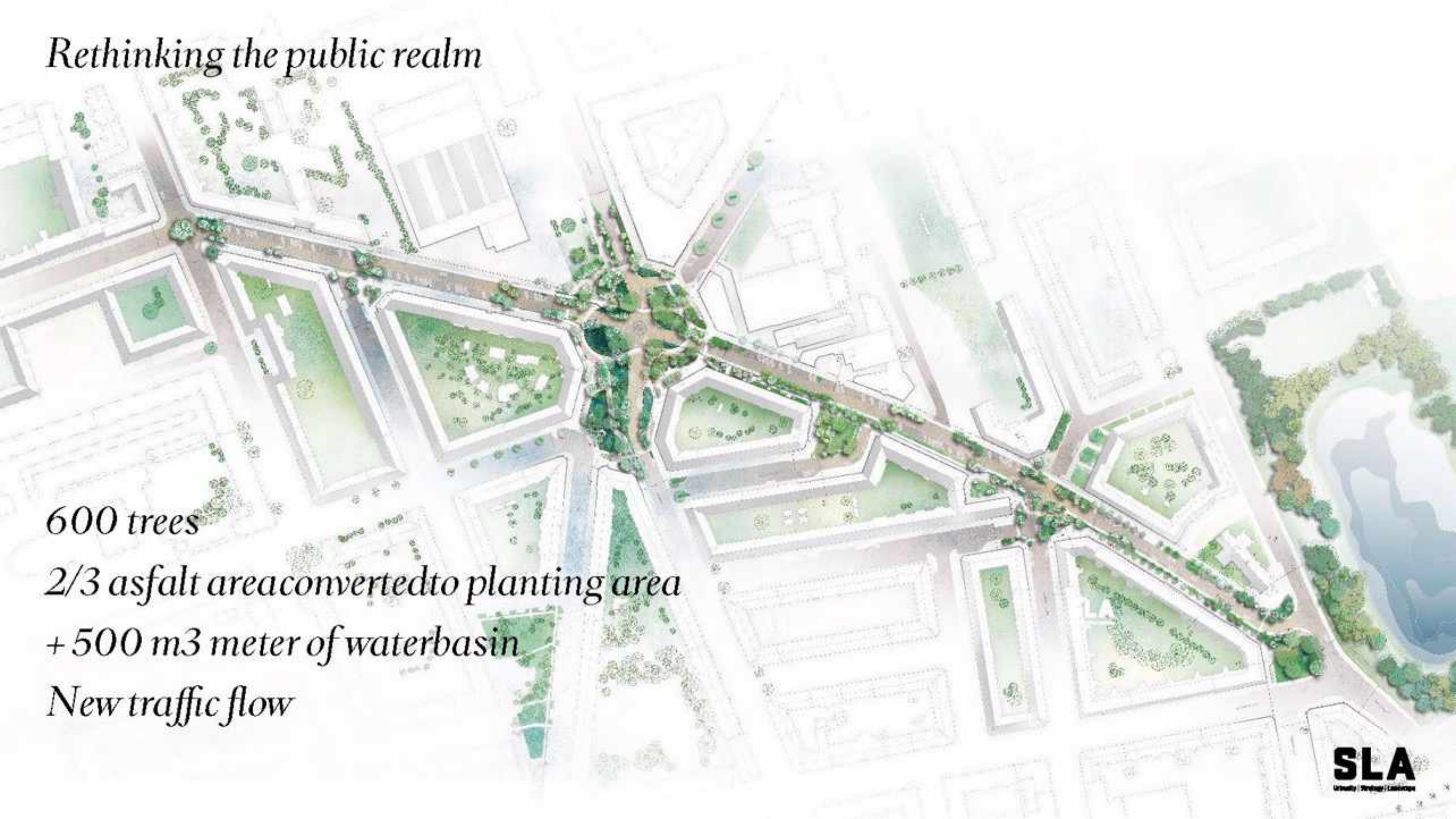
Naturbaserede designløsninger
skaber byer der gror frem, spirer og
vokser i samklang naturens processer
og det nye klima SLA



Climate resilient neighborhood

Copenhagen, Denmark
2019

Rethinking the public realm

An aerial architectural rendering of a city street redesign. The image shows a central street with a new layout, featuring green spaces, trees, and a water basin. The surrounding area includes existing buildings and streets, with the new design elements highlighted in green and brown. The text 'Rethinking the public realm' is at the top left, and 'SLA' is at the bottom right.

600 trees

2/3 asphalt area converted to planting area

+ 500 m³ meter of water basin

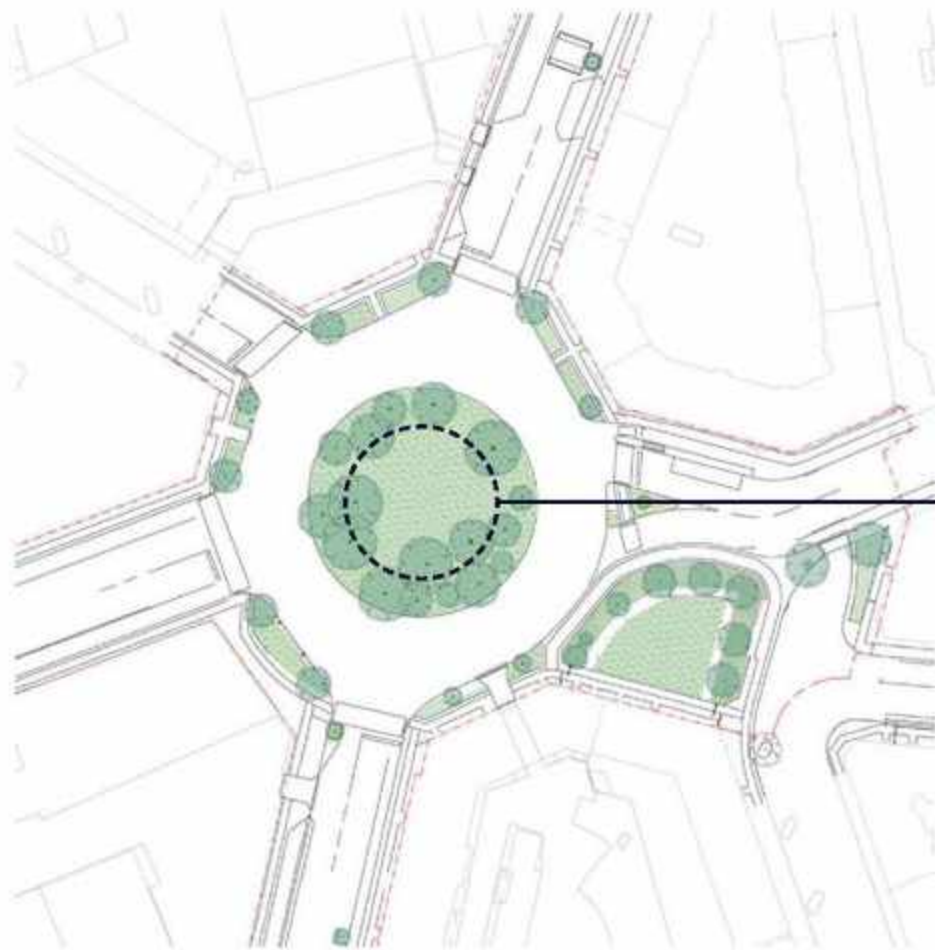
New traffic flow



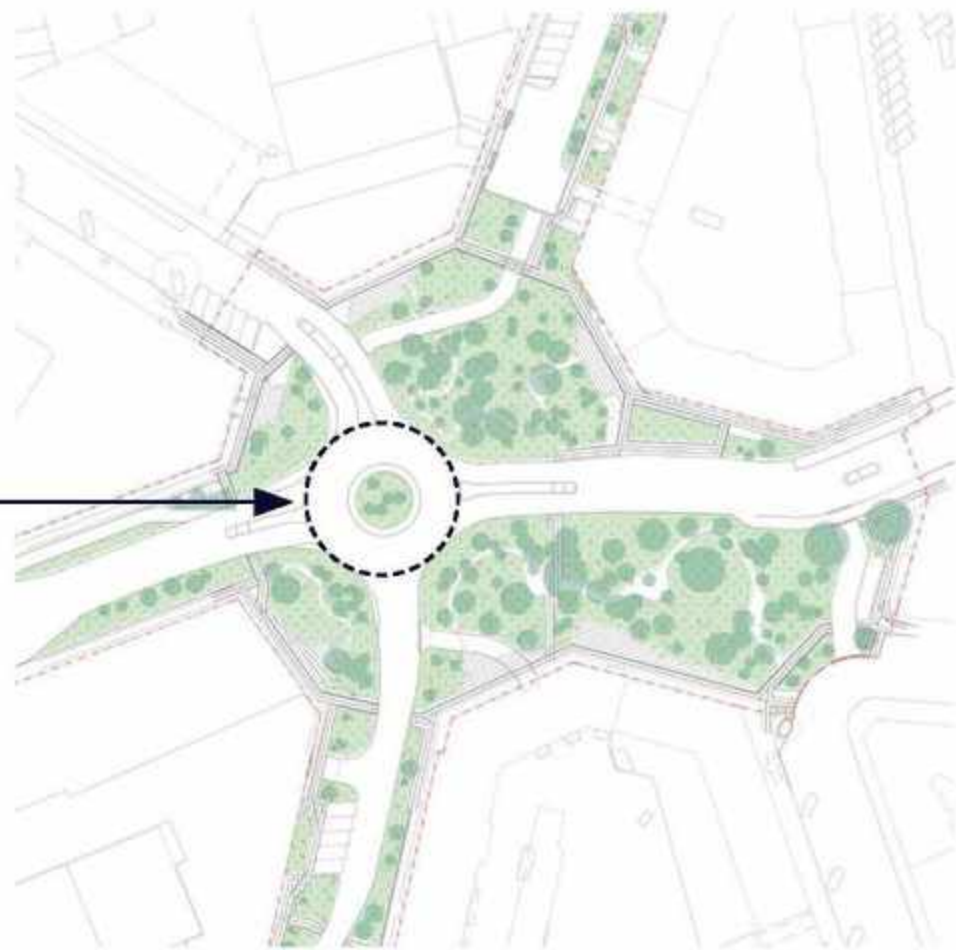
Before



Before



Before



Now





New urban topography









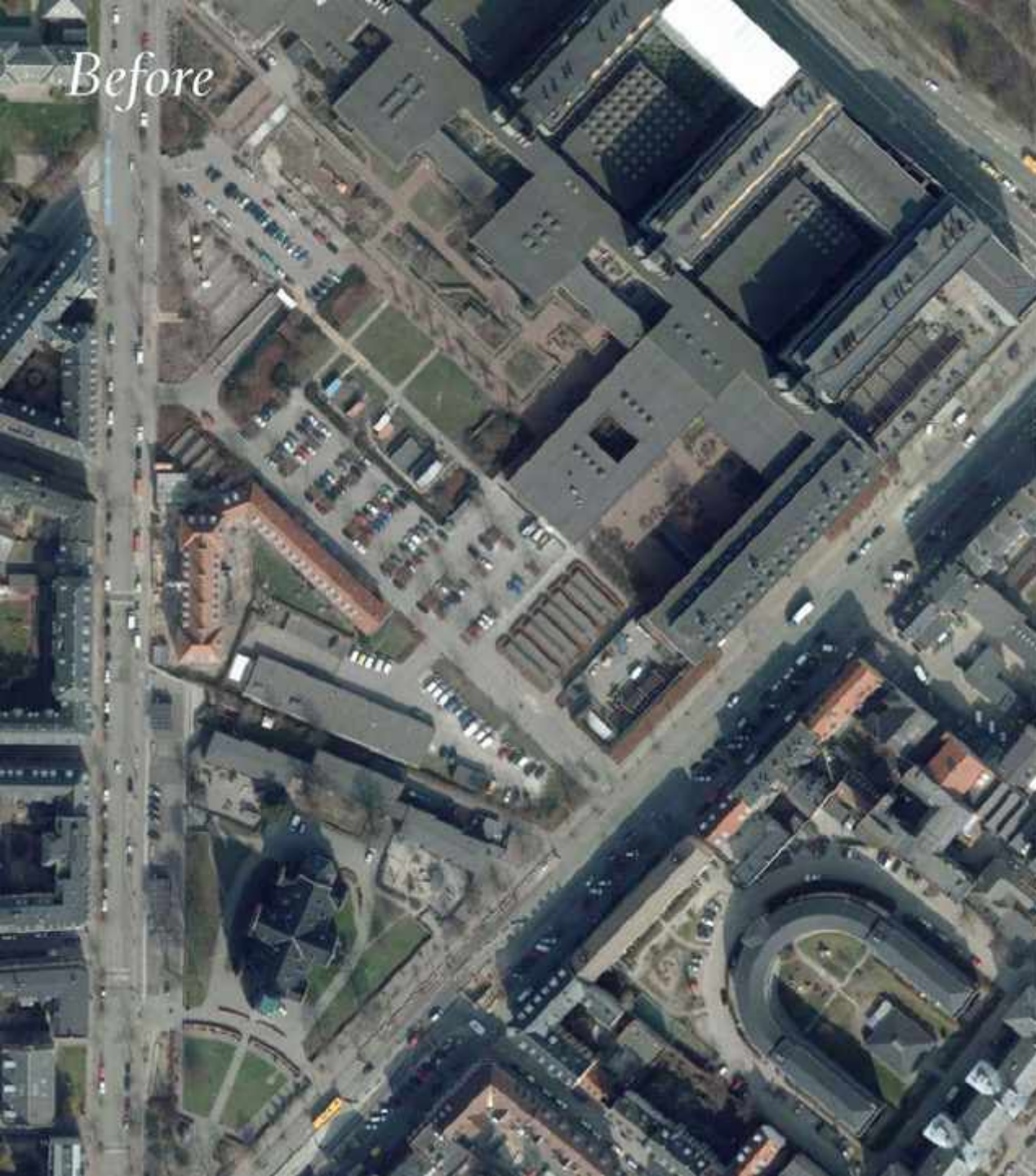


SUND naturepark

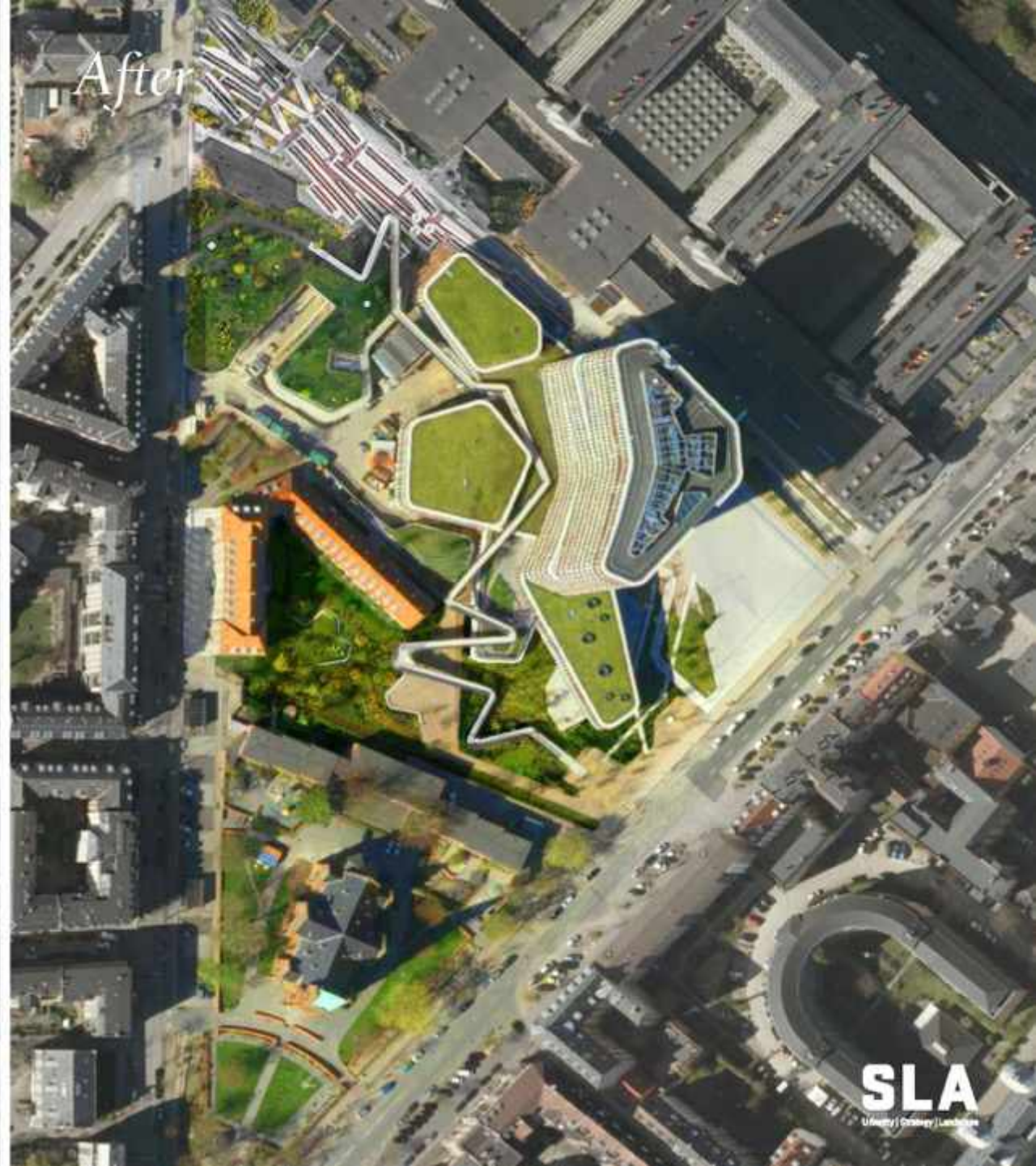
*Copenhagen, Denmark
2019*

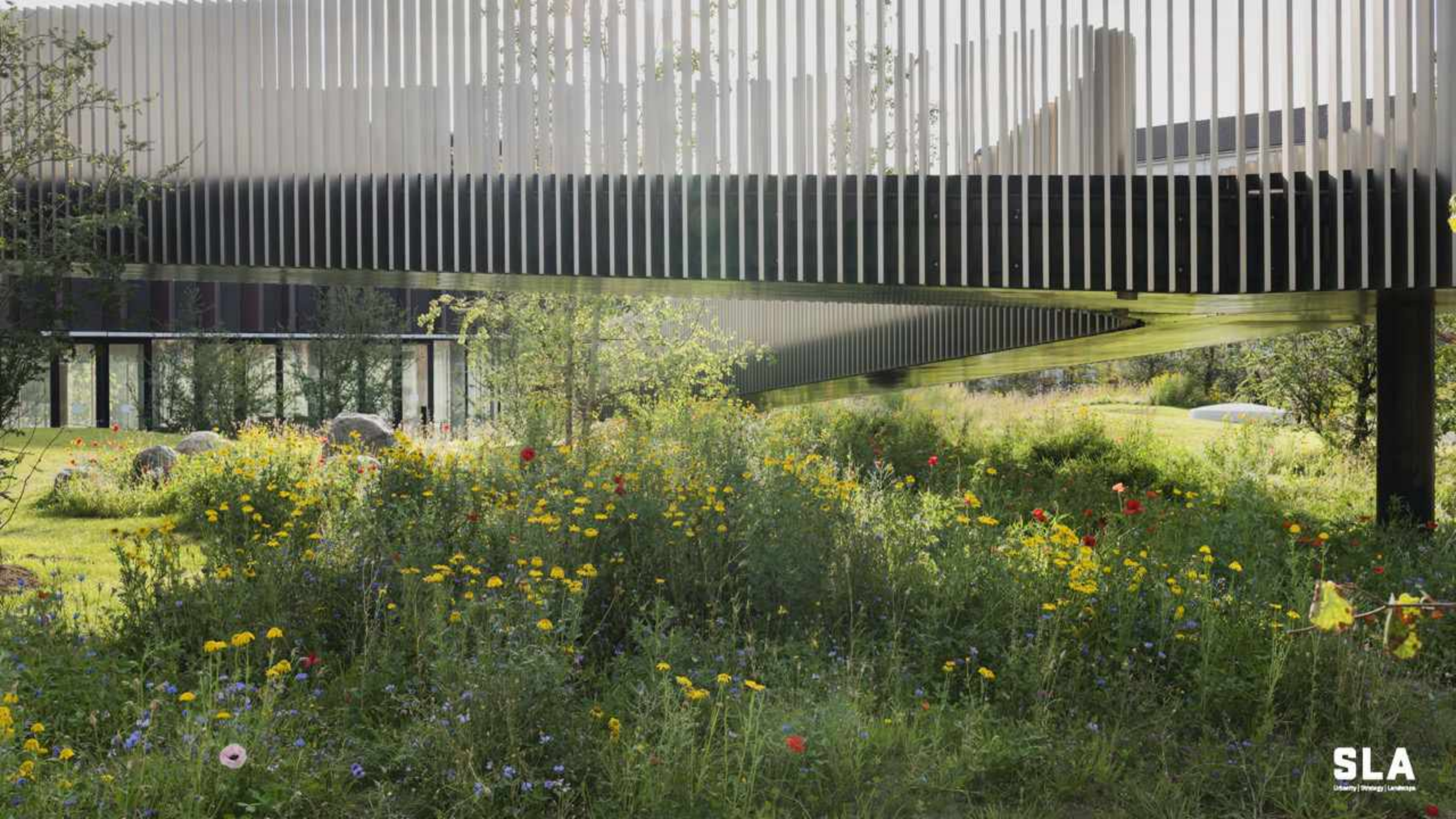


Before



After









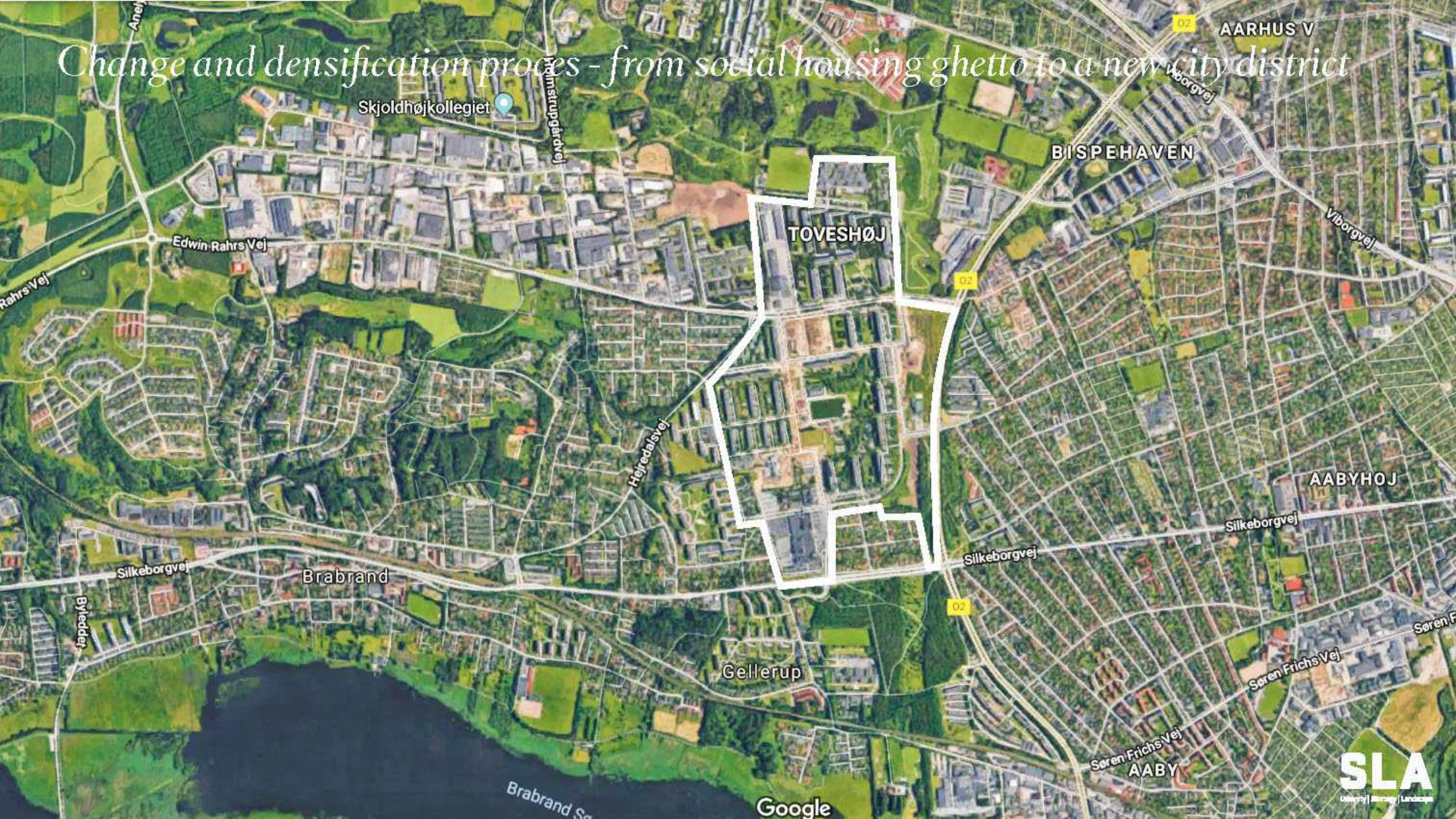
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Naturepark Gellerup

Aarhus, Denmark
2019

Change and densification proces - from social housing ghetto to a new city district



Skjoldhøjkollegiet

Holmstrupgårdvej

Edwin Rahrs Vej

Rahrs Vej

TOVESHØJ

BISPEHAVEN

AARHUS V

Viborgvej

Højfredsvej

Brabrand

Silkeborgvej

Bylledevej

Gellerup

Silkeborgvej

AABYHØJ

Silkeborgvej

Søren Frichs Vej

Søren Frichs Vej
AABY

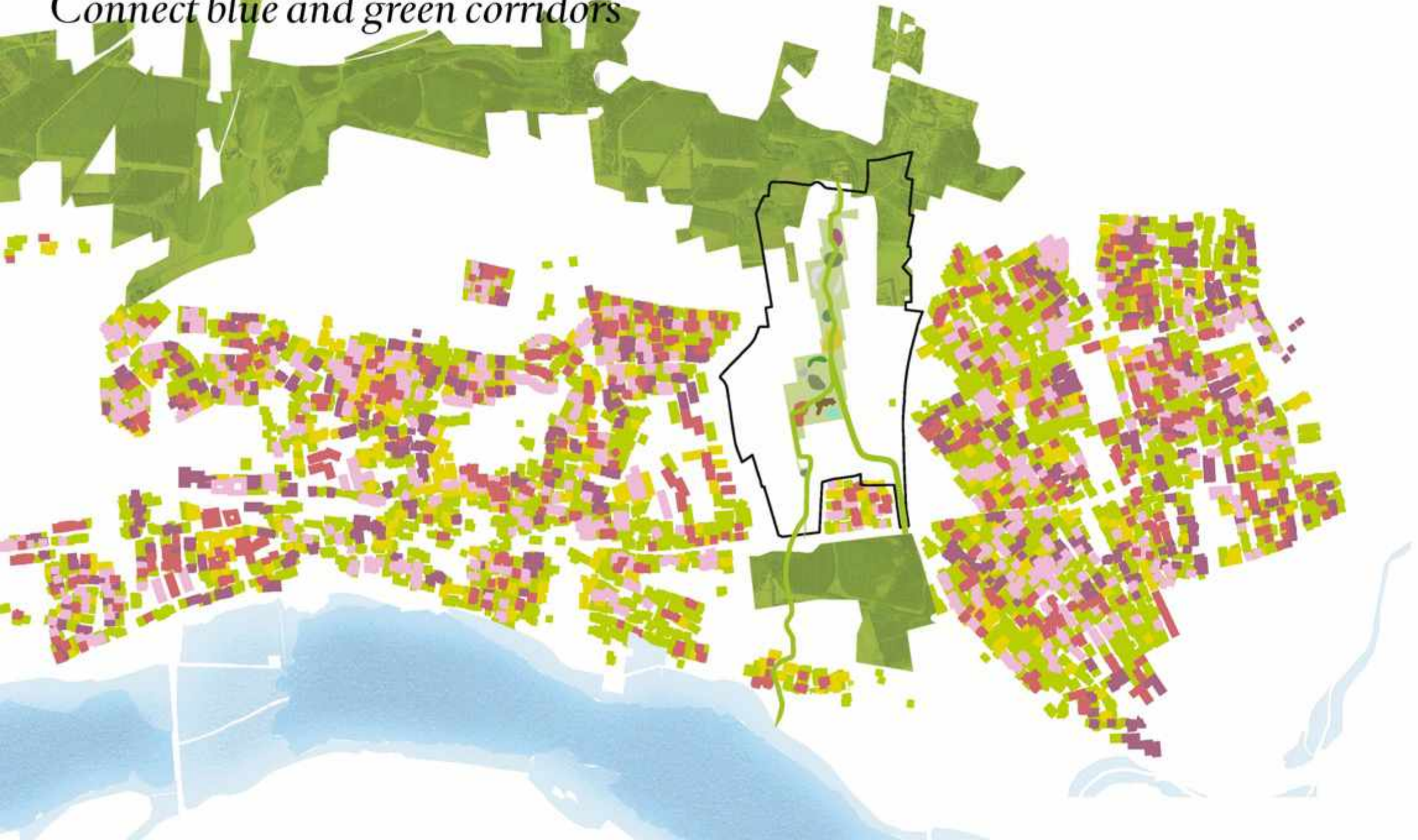
Brabrand Sø

Google

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Connect blue and green corridors



*Opening move by infrastructure and a new park
15% of the area, 10 hectares*







Physically opening up to the surroundings



...A waterfall









SLA

Coherence, visual connection



Akerselva allmenningen Bjørvika







An aerial photograph of a modern urban park. A prominent feature is a winding, elevated concrete walkway with a metal railing, supported by white columns. The park is filled with lush green trees and landscaped areas. Several people are seen walking and standing on the ground level. The background shows modern buildings with large glass windows. The word "TAKK!" is overlaid in the center in a white, serif font.

TAKK!