

**27 April 2016**

## **Global Vision I Urban Action**



### **Addressing Climate Change Through Urban Infrastructure – Water Management as a Model**



An aerial photograph of the New York City skyline at dusk, featuring numerous illuminated skyscrapers. A semi-transparent green rectangular overlay covers the upper portion of the image, serving as a background for the text.

Connecting New York with  
Danish cleantech solutions  
and expertise





**Danish Cleantech Hub** is a public-private partnership, led by the member organization Confederation of Danish Industry, and State of Green, an Agency funded by the Danish Government.

As a New York-based platform for knowledge sharing and best practice exchange, we provide a single point of entry for all cleantech-related activities between Denmark and New York.

We engage both public and private stakeholders from both sides of the Atlantic for conferences, workshops and seminars to address the common challenges of urban climate mitigation and adaptation.

# Our Challenge

The challenges we face in regards to climate change and urbanization require us to rethink our approach and solutions of the future. These challenges are not unique to one country or city. They are shared. If we share the same challenges, we need to share the solutions as well. We believe there is tremendous value and untapped potential in this, for everyone.

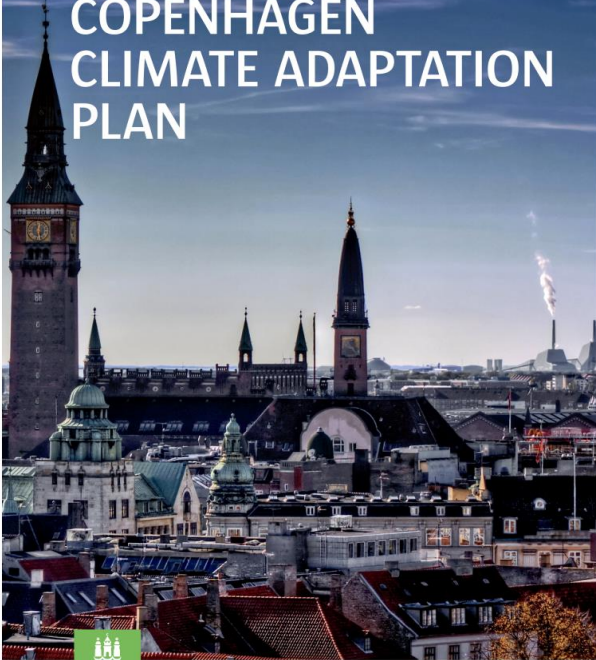
By 2050, more than six billion people will live in cities. Dense urban areas are the key drivers of climate change and should be part of the solution as well. Many cities are increasingly threatened by extreme weather events like rising sea levels, heavy downpours and flooding, pollution and severe drought.

The strain on our cities worldwide require us to think smart about how we plan for the future. We work to facilitate cross-Atlantic dialogue on shared challenges and their diverse solutions.



Copenhagen  
Carbon Neutral  
by 2025

# COPENHAGEN CLIMATE ADAPTATION PLAN



# One New York

The Plan for a Strong  
and Just City



11 SUSTAINABLE CITIES  
AND COMMUNITIES



17



7 RENEWABLE  
ENERGY





# Integrated Water Management seminar

## New approach to water management

### What?

- This multi-stakeholder workshop, including 7 NYC Agencies, aimed at developing a road map vision for the implementation of Integrated Water Management and Harbor Water Quality solutions in New York City.

### Why?

- Urban water planners and policymakers struggle to remove silo thinking and move towards a more integrated approach to water management.

### Outcome

- Road map for Integrated Water Management agreed to by all relevant city agencies in NYC.
- The event served as a kick-off for a series of future events on Integrated Water Management





# Cloudburst and Climate Adaptation partnership

## What?

- A 3-year partnership agreement on cloudburst management and climate adaptation
- Formalized agreements to expand the collaboration between the two cities and share solutions

## Why?

- To strengthen knowledge exchange between Copenhagen and NYC
- To create visibility of Danish cleantech expertise and increase the speed with which solutions are shared

## Outcome

- Co-production of information between scientists and practitioners
- Knowledge sharing on integrated urban water management, green infrastructure, and land use planning for cloudburst management



A collaboration between Copenhagen and NYC





# Skt. Kjelds – a climate neighborhood

An aerial photograph of a coastal city, likely Copenhagen, showing a dense urban area with many red-roofed buildings. In the background, a large body of water (the harbor) is visible, with a city skyline and a bridge in the distance. The sky is clear and blue.

Residential neighborhood with 15.000 residents

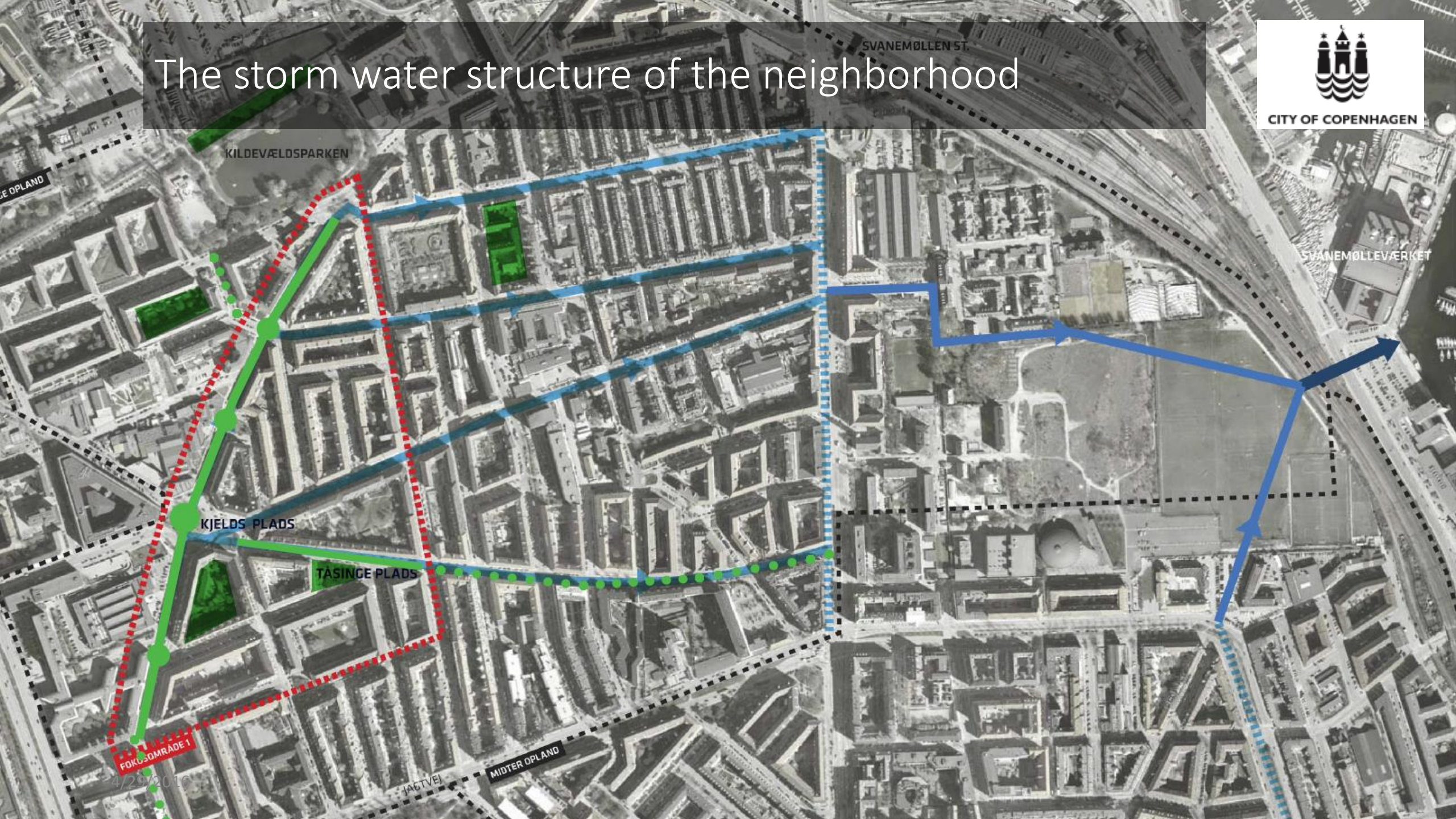
Local regeneration and adaptation go hand in hand

Urban planning, retrofitting buildings, and improving urban spaces.

Engaging the residents through co-creation of the neighborhood



# The storm water structure of the neighborhood











Social life

Transport

Rain

 **DANISH  
CLEANTECH  
HUB**

Biodiversity

Health

Business  
environment

Real  
Estate

**RAMBOLL**



# A green and blue city

## Adaption = higher quality of life

- Adaptation is not just a negative measure
- We can increase the recreational area and create more quality of life for city dwellers
- We can help make city dwellers more healthy
- We can create synergy with business development
- Designing for the 99% of the time when the flood protection is not needed.
- The worst case scenario is that we get a more liveable city that is attractive to citizens and business.





# NYC-CPH Climate Neighborhoods Kick-off Workshop

Initiating the collaboration between  
Copenhagen and New York City

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