

CALL FOR YOUNG PROFESSIONALS

# COPENHAGEN URBAN LAB

JUNE 1-9, 2017



## INTRODUCTION

The Municipalities of Copenhagen and Frederiksberg together with the utility for Greater Copenhagen HOFOR, the utility of Frederiksberg, the University of Copenhagen and Ramboll invite young professionals in the fields of urban water management to participate in a one-week urban lab focusing on the ongoing Cloudburst Management of the city.

Six participants will spend a week in Copenhagen developing solutions for Saint Jørgen's Lake. The lab will take place from 1-9 June, 2017. Focus will be on the interface between urban hydraulics and urban livability, and participants will mix technical, social and communicative skills.

Young Water Professionals Denmark (YWPDK) will assist on an as-needed basis and will take part in planning the social part of the Urban Lab program.

## CHALLENGE

Copenhagen is a frontrunner in climate adaptation towards extreme rain events, so called Cloudbursts. Each catchment in the city has a detailed plan for cloudburst management through mainly green-blue terrain-based solutions. Each catchment is split into subcatchments to secure sufficient detail for local planning. Figure 1 illustrates the cloudburst masterplan for the subcatchment of Frederiksberg Allé in the low-lying and popular historic neighbourhood of Vesterbro, Copenhagen.

One of the projects in the Frederiksberg Allé subcatchment is the Saint Jørgen's Lake retention project. This project is intended to transport excess cloudburst water from the catchment to detention in the redesigned lake and from there to a large cloudburst pipe leading the water directly to the harbour. Runoff from smaller rains should be disconnected from the sewer system to the largest extent possible and managed in the surface of the city.

Figure 2 illustrates initial visions for the transformation of Saint Jørgen's Lake into a Cloudburst project.

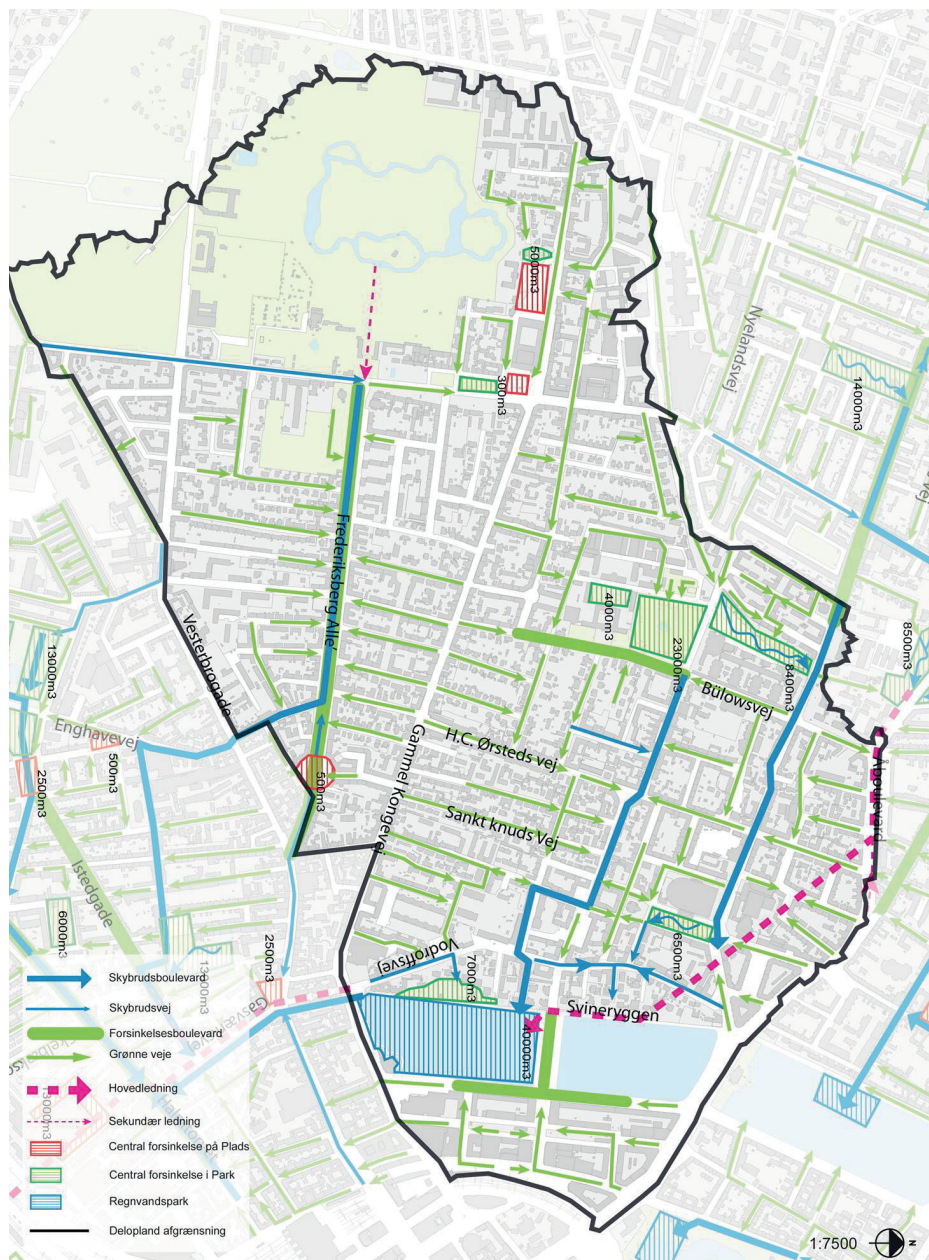


Figure 1 Cloudburst masterplan for the subcatchment of Sønder Boulevard (hydraulic catchment to Saint Jørgen's Lake)



*Figure 2 Illustration of one of the ideas for transforming Saint Jørgen's Lake*

Participants of the Copenhagen Urban Lab will work with the project of Saint Jørgen's Lake. Their task will be to address the complexity of the current reality, both in scale and technicality, and to bring new thoughts to the planning process in close cooperation with key stakeholders (Municipality of Copenhagen, Greater Utility of Copenhagen, University of Copenhagen and Ramboll) and with local stakeholders.

The team will be assigned to develop a solution, which considers:

- Water quality of the lake
- The vision of handling stormwater in the surface through mainly blue-green infrastructure
- The political visions for the area
- The hydraulic goals for the area (decoupling 1/3 of all buildings from the sewer network)
- Terrain levels, water volumes, overland flow paths and frequency for flooding

The team will work within the hydraulic catchment of Saint Jørgen's Lake (Figure 1) keeping in mind the urban catchment as well. The urban catchment will be defined during the initial phase of the Urban Lab programme.



## APPLICATION

The Copenhagen Urban Lab will be open to six professionals. The team will consist of two water professionals, two urban planners and two landscape architects. All participants must be under the age of 35.

Expenses relating to travel to/from Copenhagen to participate in the Urban Lab will be granted on a case-by-case basis. Accommodation, catering, etc. will be provided for all participants.

Applications should be submitted as one final PDF including:

- 1-page CV
- 1-page motivation answering the following questions:
  - A. Which category (urban planner, water professional or (landscape) architect) are you applying for?
  - B. Which key skills do you bring to the team?
  - C. What is your motivation for working with cloudburst management?
  - D. What do you hope to achieve with your participation?
  - E. Estimated costs of travelling to/from Copenhagen if costs are not covered by your employer



Submit your application no later than **April 13, 2017** to Trine Stausgaard Munk at [trsv@ramboll.dk](mailto:trsv@ramboll.dk)



All questions should be directed at Eva Promes at [eva.promes@iwahq.org](mailto:eva.promes@iwahq.org)

## TENTATIVE AGENDA

June	Activity
1	Arrival - Team introduction
2	Network brunch Morning session - Understanding the politics and hydraulics Afternoon session - Understanding the local identity
3	Bike the cloudburst branch from Utterslev to St Jørgen's Lake Evening session - Creative dinner
4	Independent work - Build your statement
5	Independent work - Build your solution
6	Present initial designs to city agencies Afternoon session - Site visits
7	Independent work - Elaborate your statement
8	Independent work - Prepare your presentation
9	Morning session - Present your design and statement: <i>Public session with YWPDK, IWA DK and other stakeholders in the theme of the Urban Lab with presentation from the Lab participants.</i>