Stop Støj!

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WPI

MILJØPUNKT

INDRE BY & CHRISTIANSHAVN

AGENDA 21 · FOR ET BÆREDYGTIGT KBH

Project Goal

Determine the feasibility of implementing a nightlife noise data collection system in Indre By.

Background

The nightlife of inner-city Copenhagen is noisy and disruptive.

100+ Alcohol Selling Venues in Nørre Kvarter

Prolonged exposure to noise has potentially adverse health effects.

Sleep Disturbances

Insomnia

Increased Stress Levels

Hypertension

Decreased Productivity

Objective 1

Identify
Stakeholders and key data

Objective 2

Determine
App users and their motivations

Objective 3

Discover
Technical considerations

Objective 4

Design
Plan for prototype application

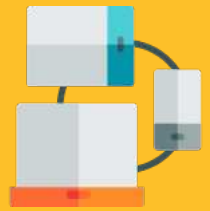
Objective 5

Develop
A prototype application

Findings

Finding #1

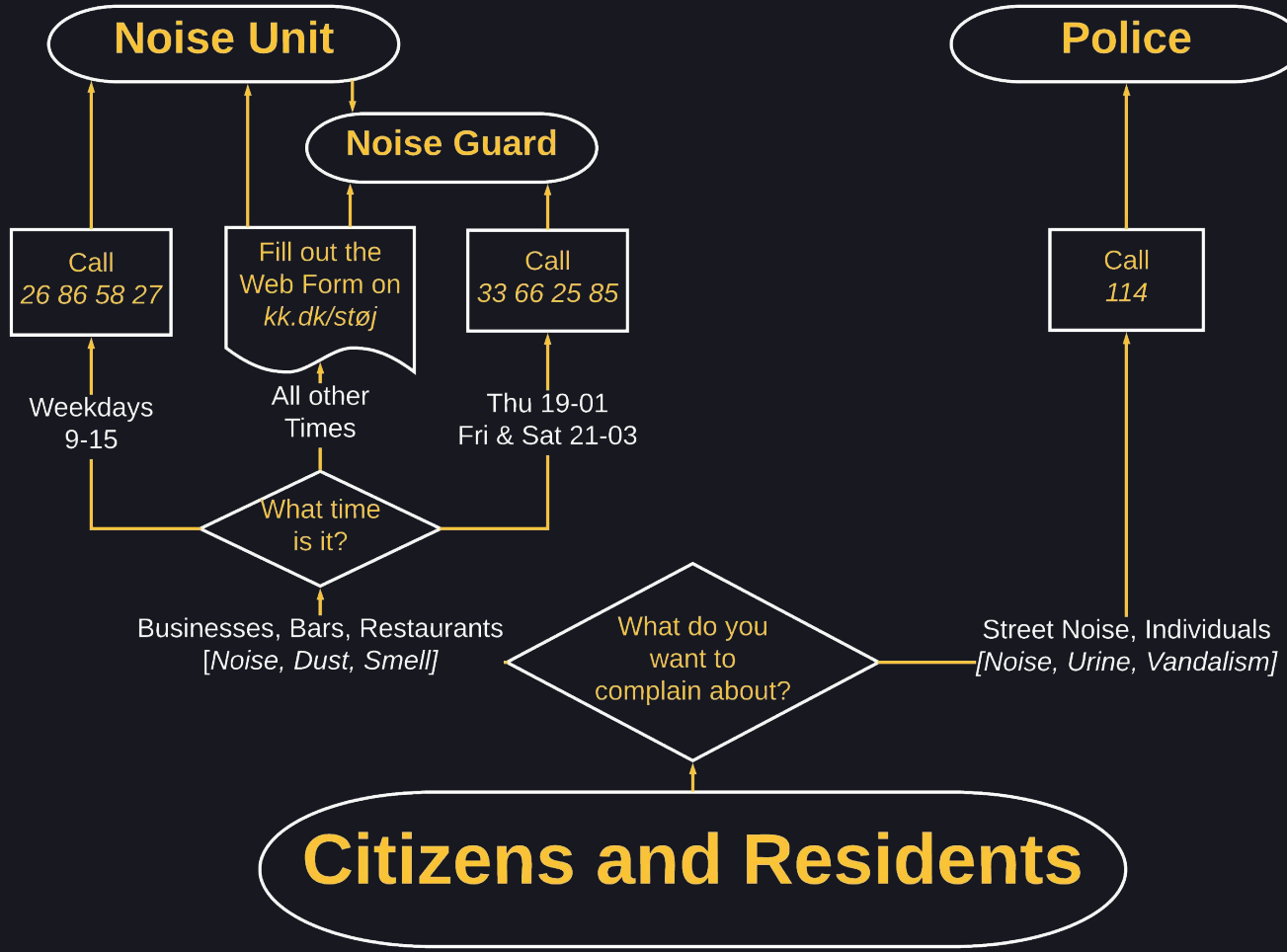
Problems with the current nightlife noise complaint mechanisms and management:

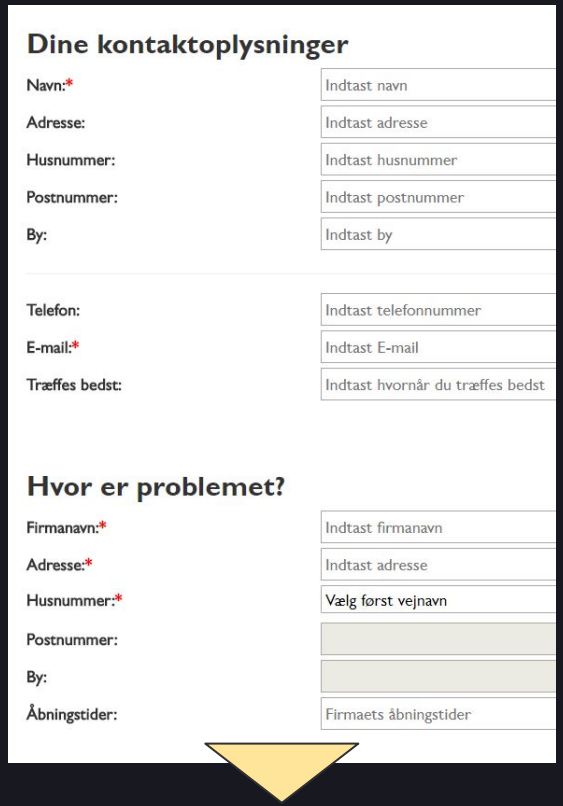


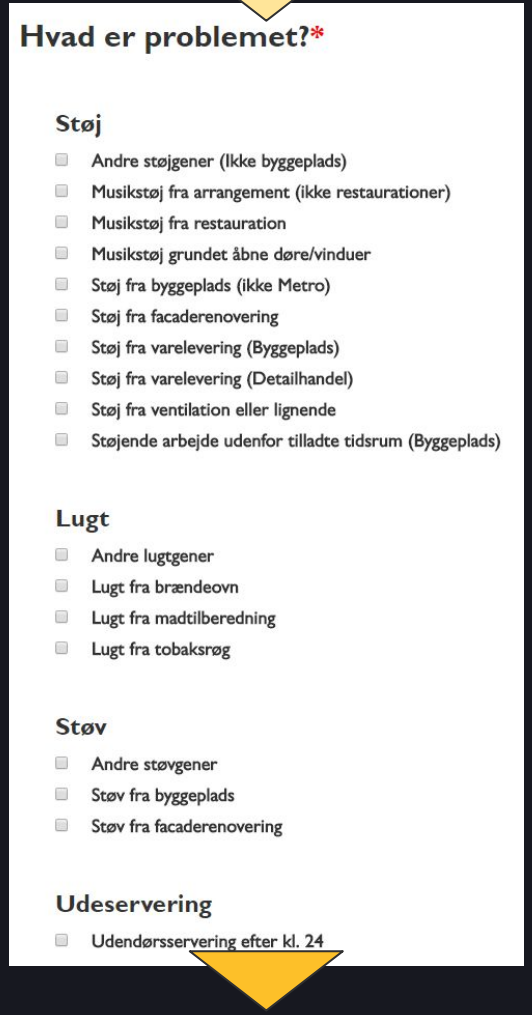
Lack of responses to complaints

No central complaint database

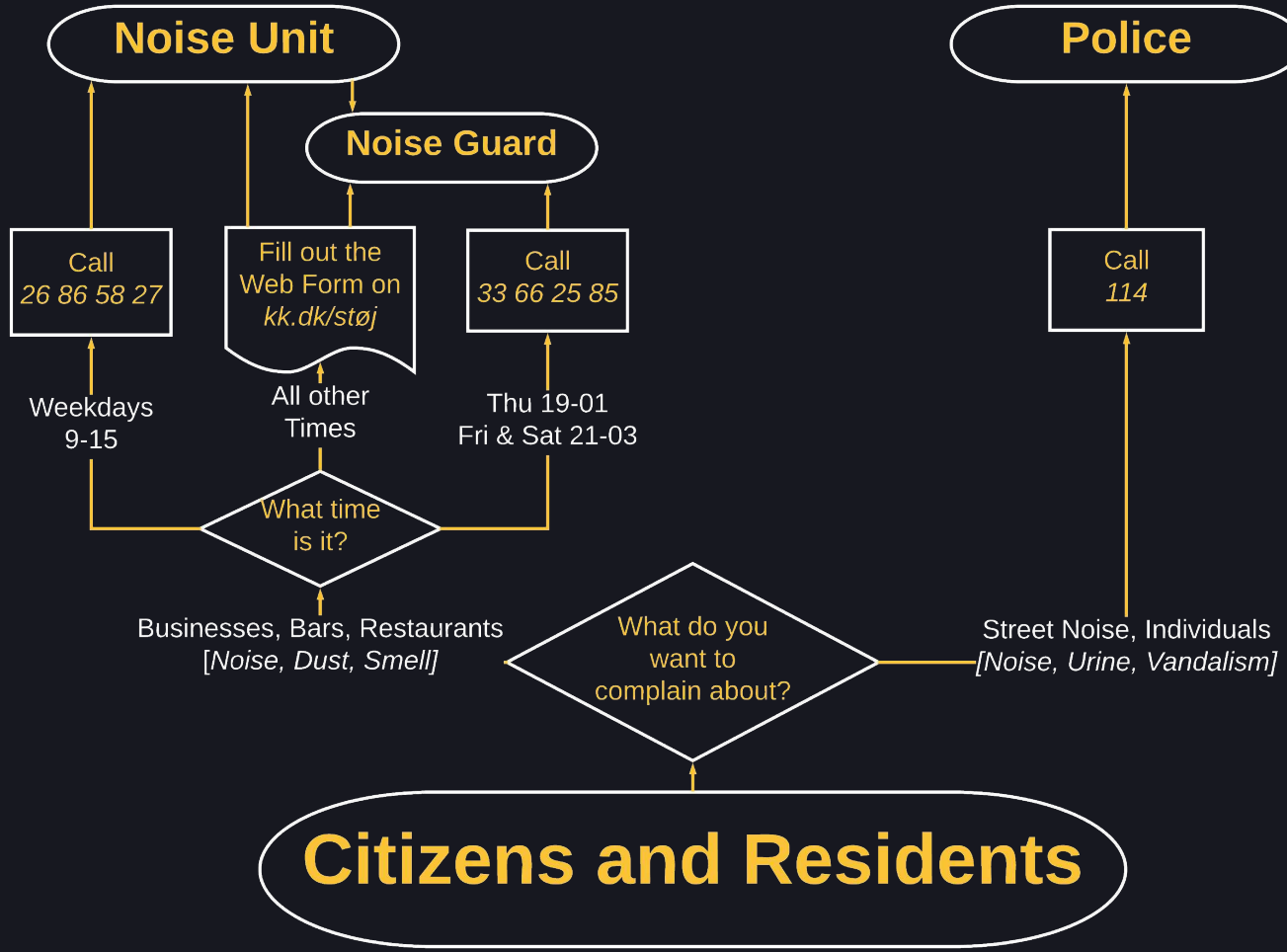
Unclear complaint process


Noise Unit
Police
Noise Guard
Call
26 86 58 27
Fill out the
Web Form on
kk.dk/støj
Call
33 66 25 85
Call
114
Weekdays
9-15
All other
Times
Thu 19-01
Fri & Sat 21-03
What time
is it?
Businesses, Bars, Restaurants
[Noise, Dust, Smell]
What do you
want to
complain about?
Street Noise, Individuals
[Noise, Urine, Vandalism]
Citizens and Residents





Online Complaint Form *kk.dk/støj*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Citizens and Residents

Finding #2

Limited resources means police reaction to nightlife noise incidents is rarely immediate.

Finding #3

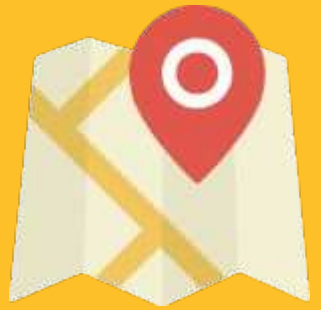
Residents say that a lack of response and a complicated submission process discourages them from complaining.

Finding #4

Essential noise complaint data:

Category

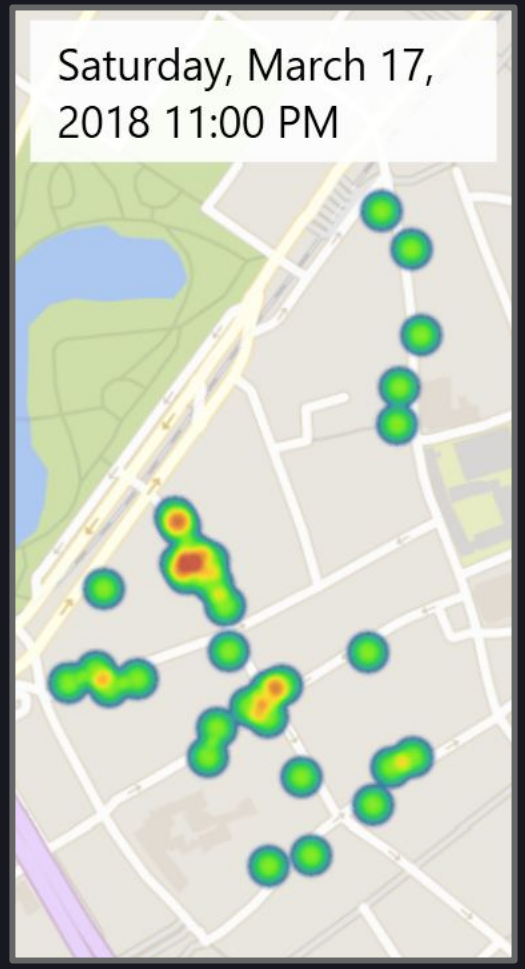
Time



Location

Finding #5

Simple data analysis can provide nuanced insight into the inner-workings of Copenhagen’s noise problem.



Finding #6

A successful noise complaint collection tool is:

Simple

Easy to Use

Educational

The Stop Støj App

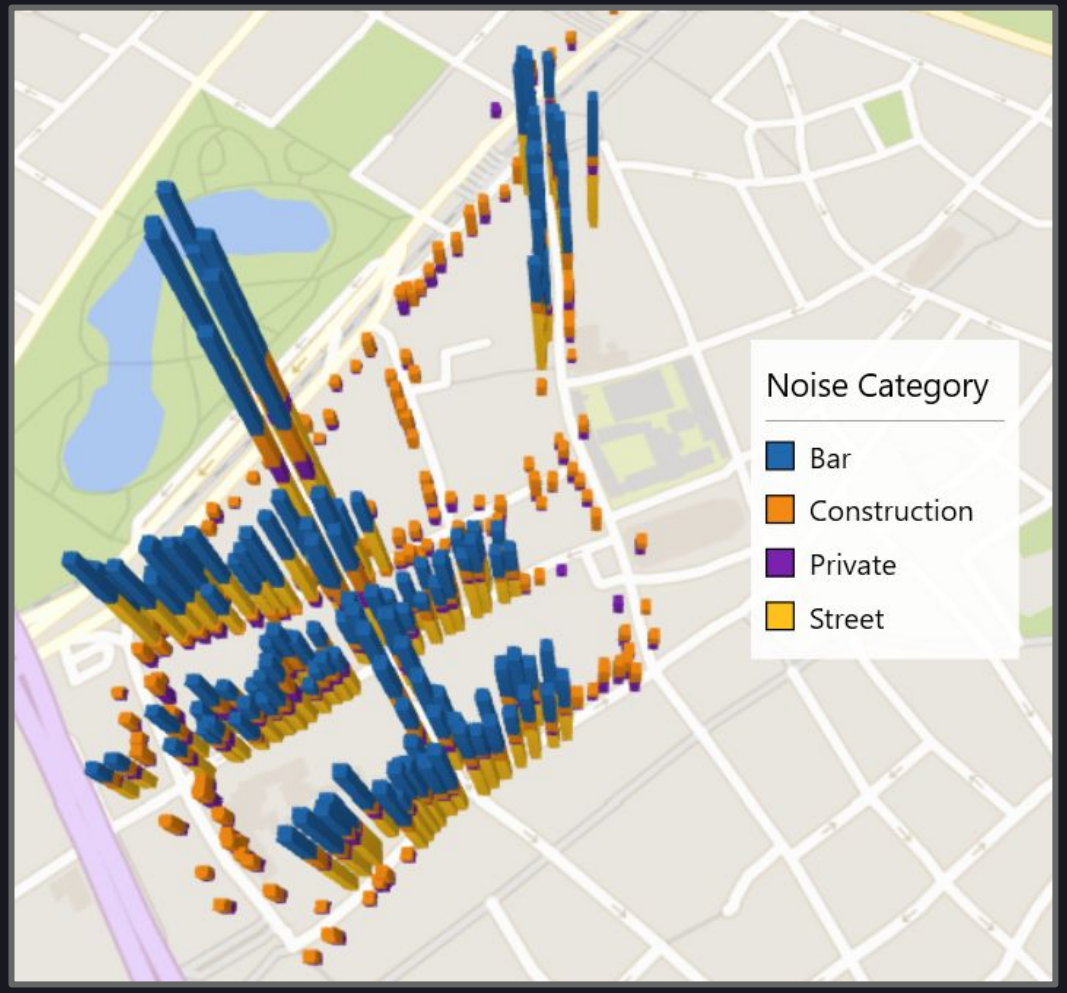
Regnbuepladsen 7

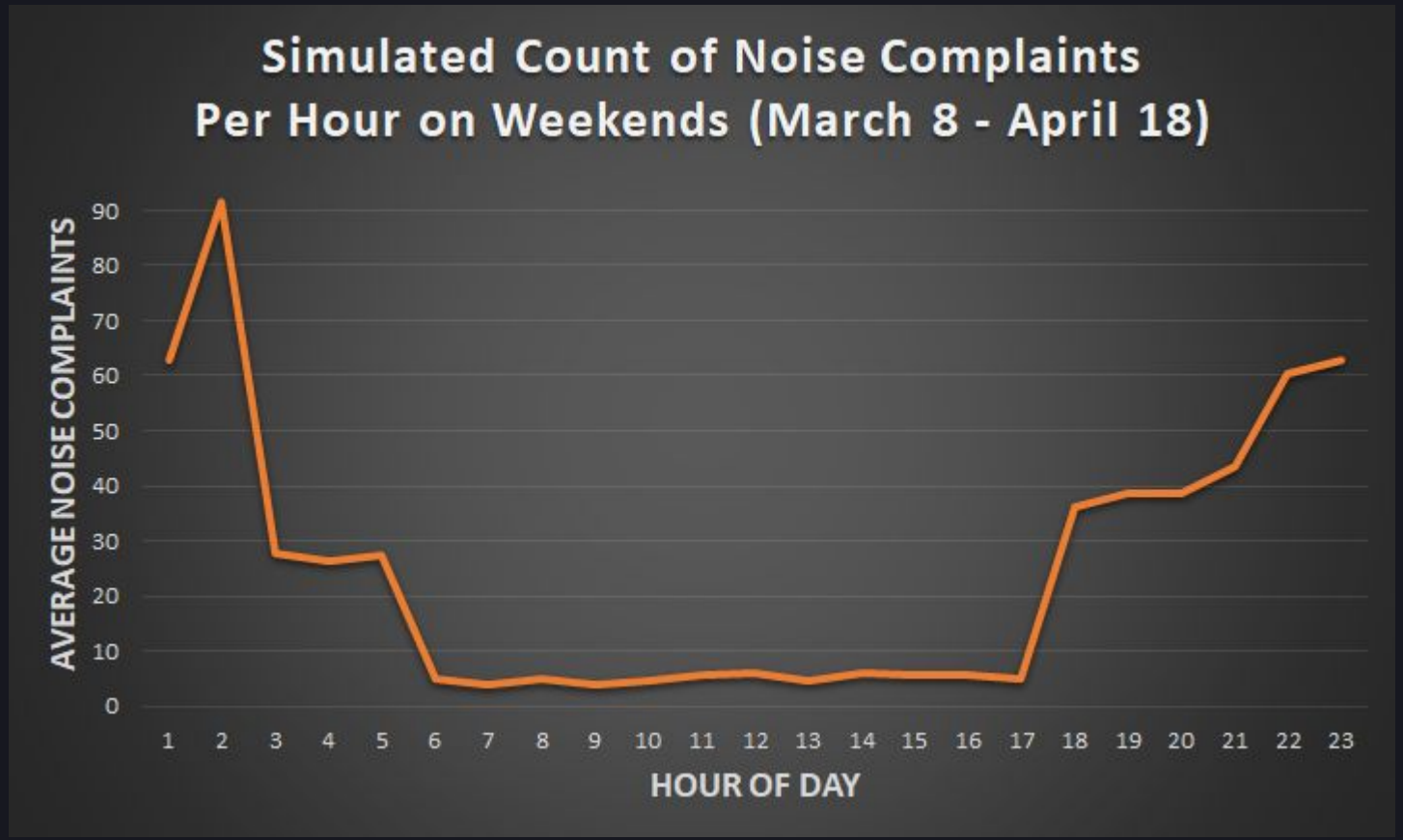
e.g. Regnbuepladsen 7

SEARCH RESET

Please drag the arrow to your location.

Visualizations


Noise Category
Bar
Construction
Private
Street


Simulated Count of Noise Complaints
Per Hour on Weekends (March 8 - April 18)
AVERAGE NOISE COMPLAINTS
0
10
20
30
40
50
60
70
80
90
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
HOUR OF DAY

Friday, March 9, 2018
11:54 PM

Recommendations

Recommendation #1

Miljøpunkt Indre By & Christianshavn should promote the use of the Stop Støj app to increase collection of data.

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Recommendation #2

The Copenhagen Police utilize the data collected by the app to improve the allocation of nightlife management resources.

Recommendation #3

City officials utilize the collected data to influence decision making processes regarding the nightlife scene.

Recommendation #4

The future developer implement additional features to enhance the app.

#1: Official Complaint Response System

#2: Auto Detect Location

#3: Audio & Media Upload

Recommendation #4

#4: Quick Submission

#5: Open Source Data

#6: Complaint Threads

#7: Noise Complaint Tags

#8: Improved Account Features

Recommendation #5

The Police and Kommune work together to develop an app that streamlines the noise complaint process.

KØBENHAVNS POLITI

Recommendation #5

Or build upon an existing platform to showcase the potential of a noise complaint app.

Our Inspiration

- The NYC 311 App
- NYC Open Data
- Noise #1 Complaint

approx. **384,000**

noise complaints submitted in 2015 alone.

approx. **1.3 million**

complaints submitted relating to loud music or partying over 6 years.

“The release of open data is a powerful way to give New York City residents a sense of who they are, what they’re doing and how they’re doing it, as well as the strengths of their neighborhood so that they can work together to address quality of life issues.”

- Amen Ra Mashariki
  Fmr. NYC Chief Analytics Officer

Mange Tak!

- Marianne Spang Bech
- Prof. Holly Ault
- Prof. Constance Clark
- The Copenhagen Police
- København Kommune
- Noise Network
- Everyone who helped us!

Questions?

Tak fordi du kom!

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