



Presentation from
**2016 World Water
Week in Stockholm**

www.worldwaterweek.org

© The authors, all rights reserved

Stockholm – the Capital of Water

Regenerative Water Services are Essential
even when in Water Abundant Cities

Karin Wanngård, Mayor of Stockholm



Sweden

9.8 million people

410,335 sq kms

22 persons per sq km

County of Stockholm

2.2 million people

6,519 sq kms

299 persons per sq km

City of Stockholm

920,000 people

188 sq kms

4,300 persons per sq km



Stockholm 100 Years Ago



Lake Mälaren Our Drinking Water Source

- Mälaren, Sweden's third largest lake, supplies two and a half million people with drinking water.
- The concentration of Nitrogen and Phosphorous has been reduced by more than 50 % the last 30 years.
- The water intakes and surrounding catchment areas were defined as protective zones in 2008.
- Threats to be dealt with are related to climate change and perflourinated chemicals



Water Solutions Enhance the Regions Attractiveness

- Increased liveability
- Drinking water ranked among the best in the world
- Sustainable city planning creates innovations and job opportunities
- The beauty of being a city on water is what attracts many thousands of visitors

But it's not enough. We must do better.



Vision 2040 – Combining Growth with Sustainable Development

- 250,000 more citizens by 2030
- Denser city
- 140,000 new dwellings by 2030
- Urban mentality
- Fossil fuel free 2040
- Urban structure and green belts
- Integrated sustainable solutions
- Public Awareness



New Policies and City Planning

- A new environmental program
- A new overall target for the water management within the city
 - The lakes, coastal waters and streams within the city of Stockholm shall reach the environmental targets for water
 - Action program for each water body
- A new action plan for good water status
- A new strategy for stormwater management
- Innovative water solutions and infrastructure projects to assure future water status



Slussen



Stockholm's Future Wastewater Treatment

Background

- More stringent effluent requirements with regards to nitrogen and phosphorus.
- 1-1,5% population increase per year in Stockholm, and 1,6 million connected users in year 2040.
- The need to find a modern and long lasting solution in harmony with a growing city.

Future

To Secure advanced Sewage Treatment for the next two generations by:

- Introducing Membrane technology
- Closing down one Treatment Plant (Bromma)
- Building a 16 km long tunnel 30 m. below the ground to transport sewage and to eliminate major sewer overflows into the Lake Mälaren.

Cost 800 million Euro in 6 Years.



Stockholm Royal Seaport





Thank you for listening!

