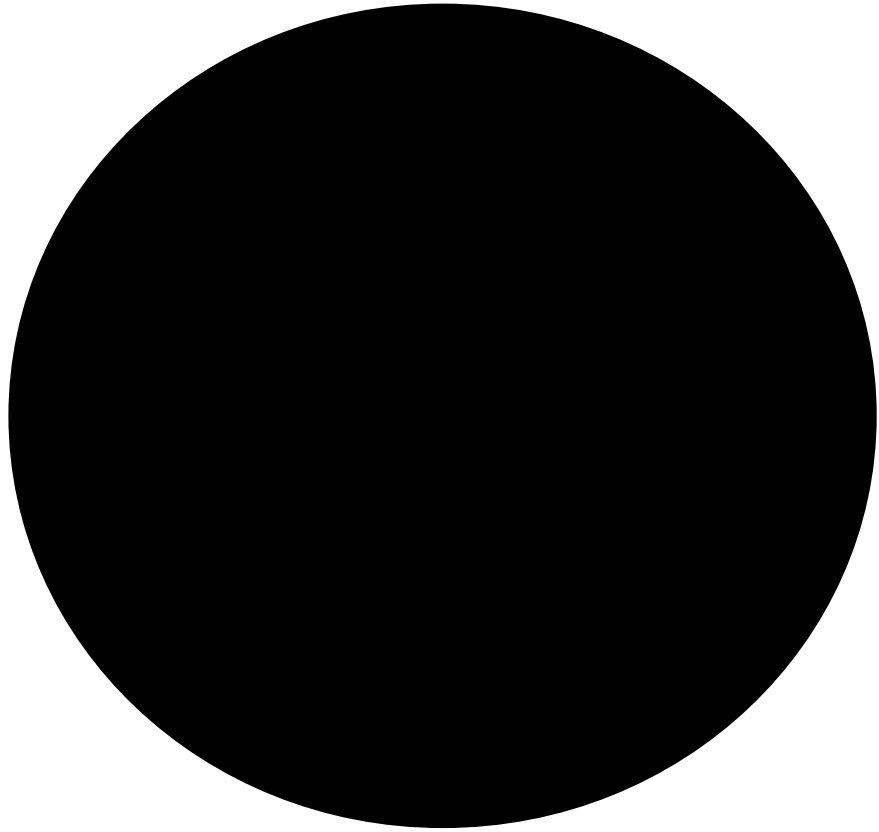


# Lärdomar från användning av sensorteknik i dagvattenreningsanläggningar

**VAK 2024**

Glen Nivert





70-talet



90-talet



2010-talet

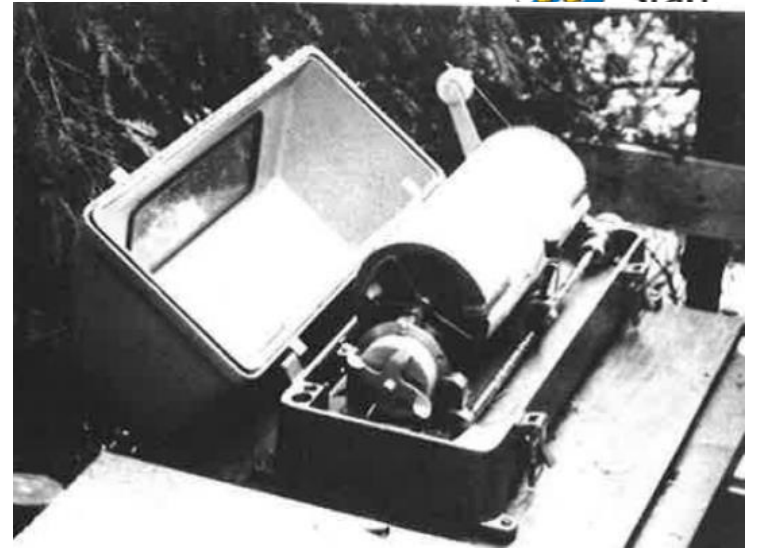


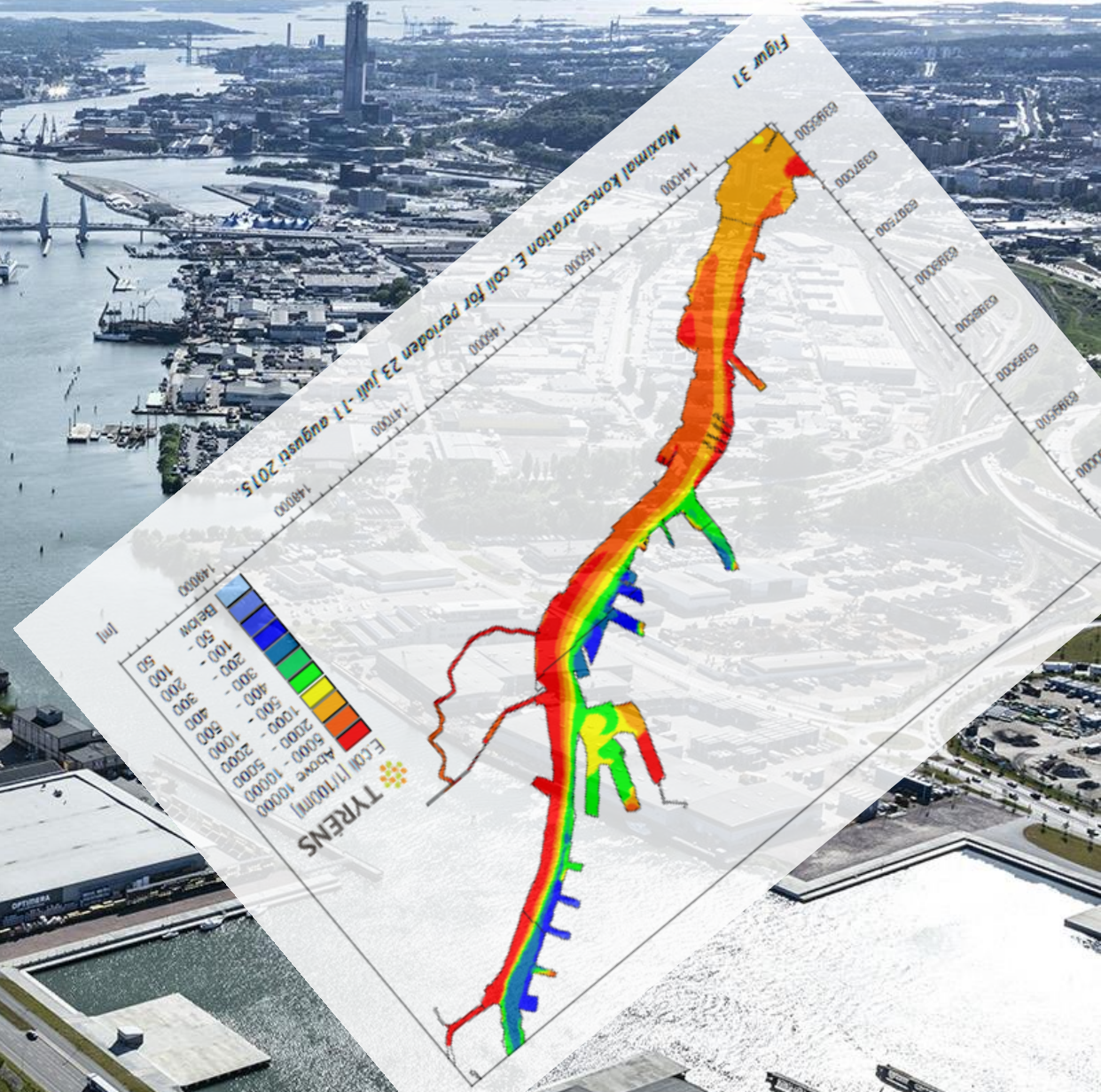
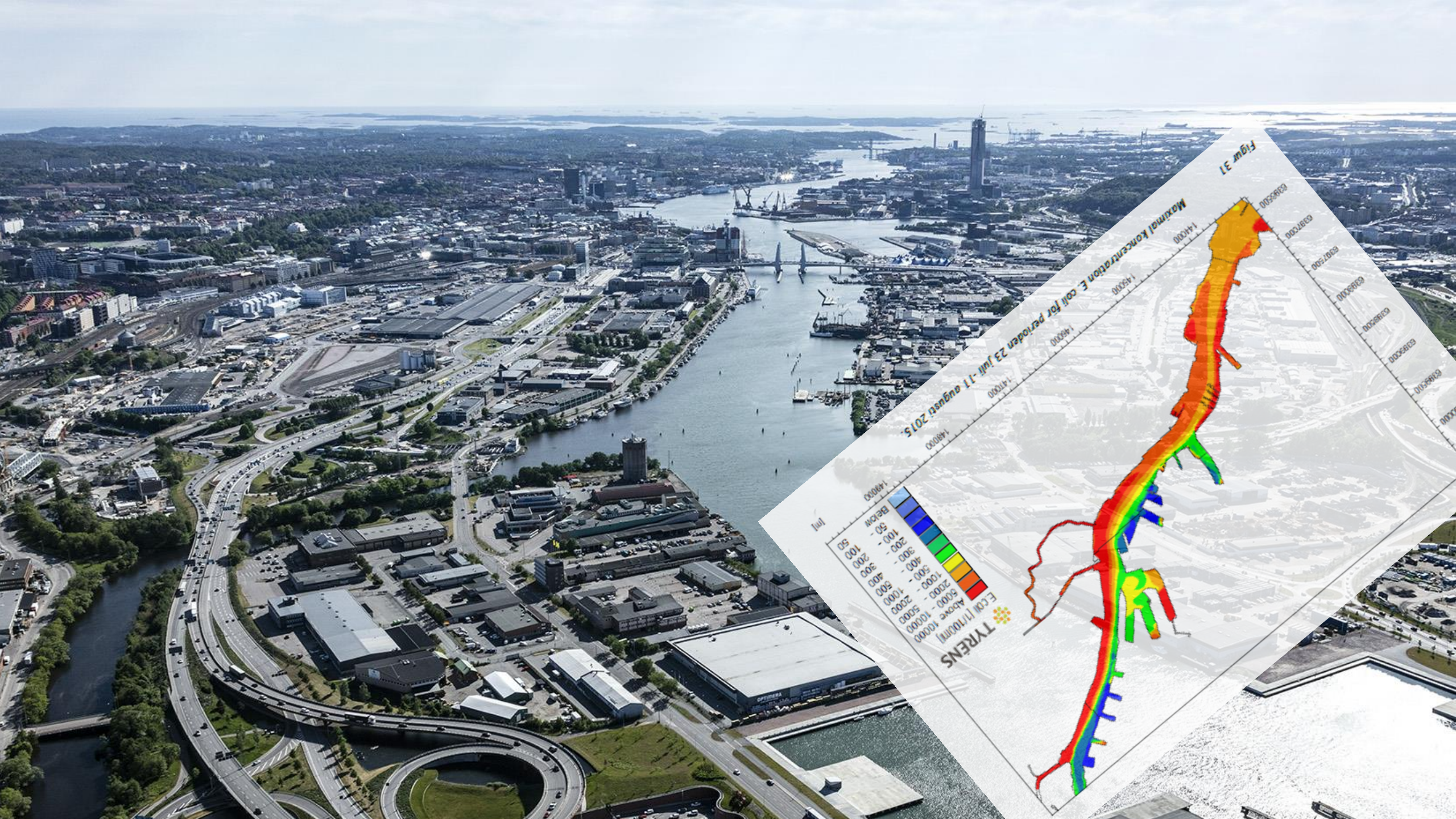
Rogers Adaptionkurva



# Why?







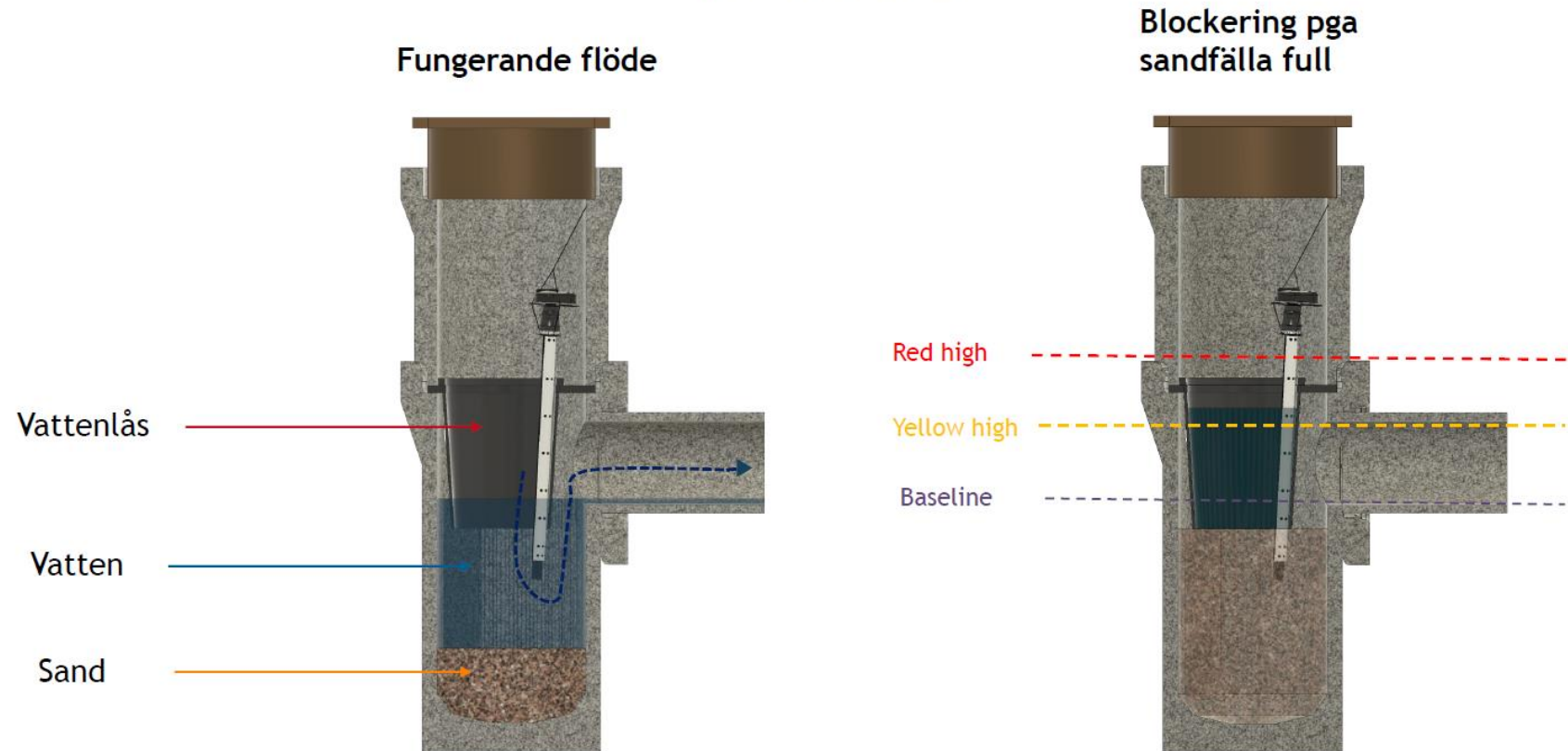
# Exempel

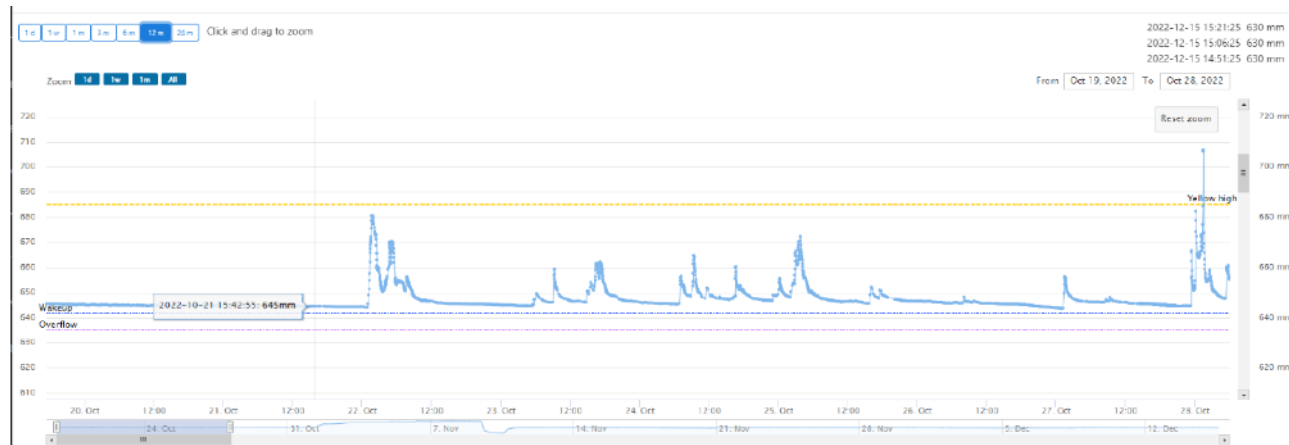


# Rännstensbrunnar



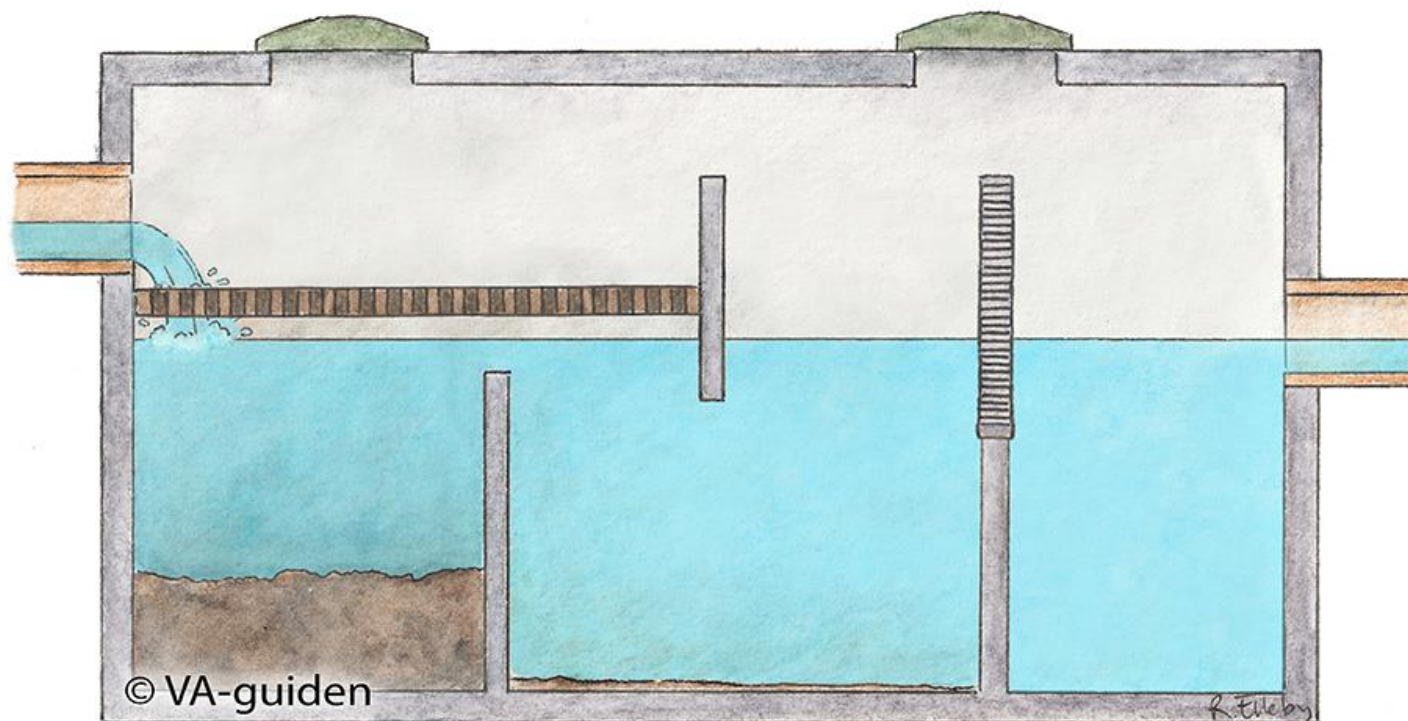
## MÄTPRINCIPEN



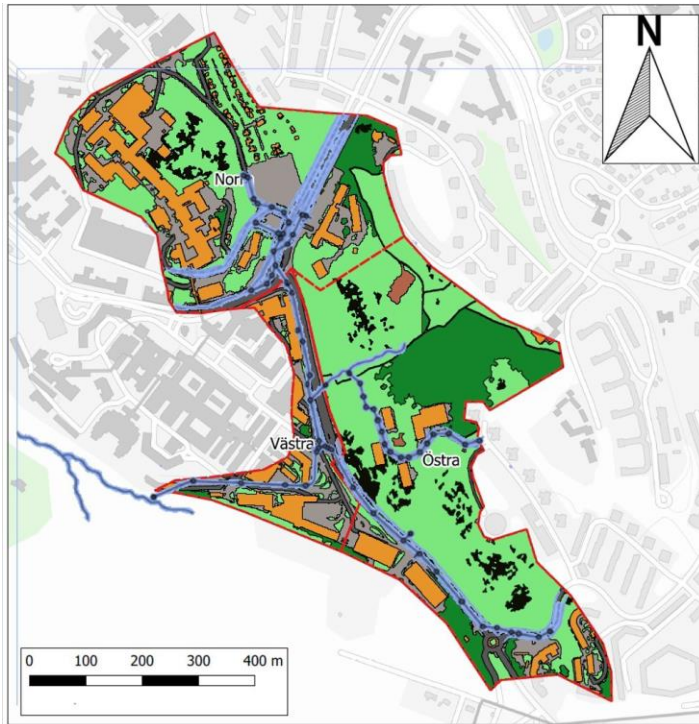


Testbrunn Rännstensor - 3635363064396315 / 1759

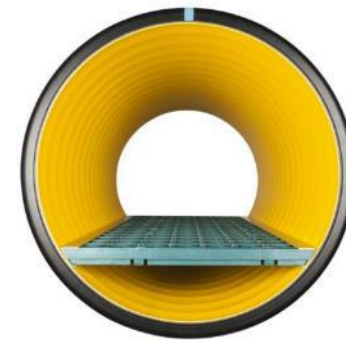
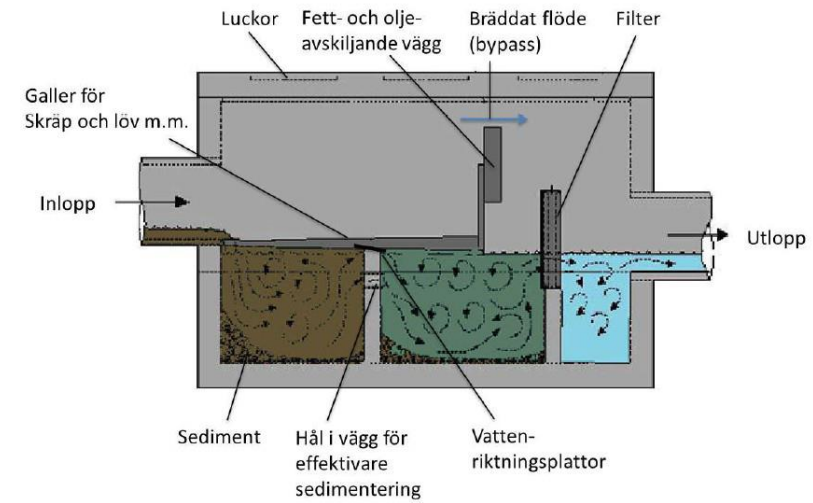
# Fler nya "Tekniska filteranläggningar"



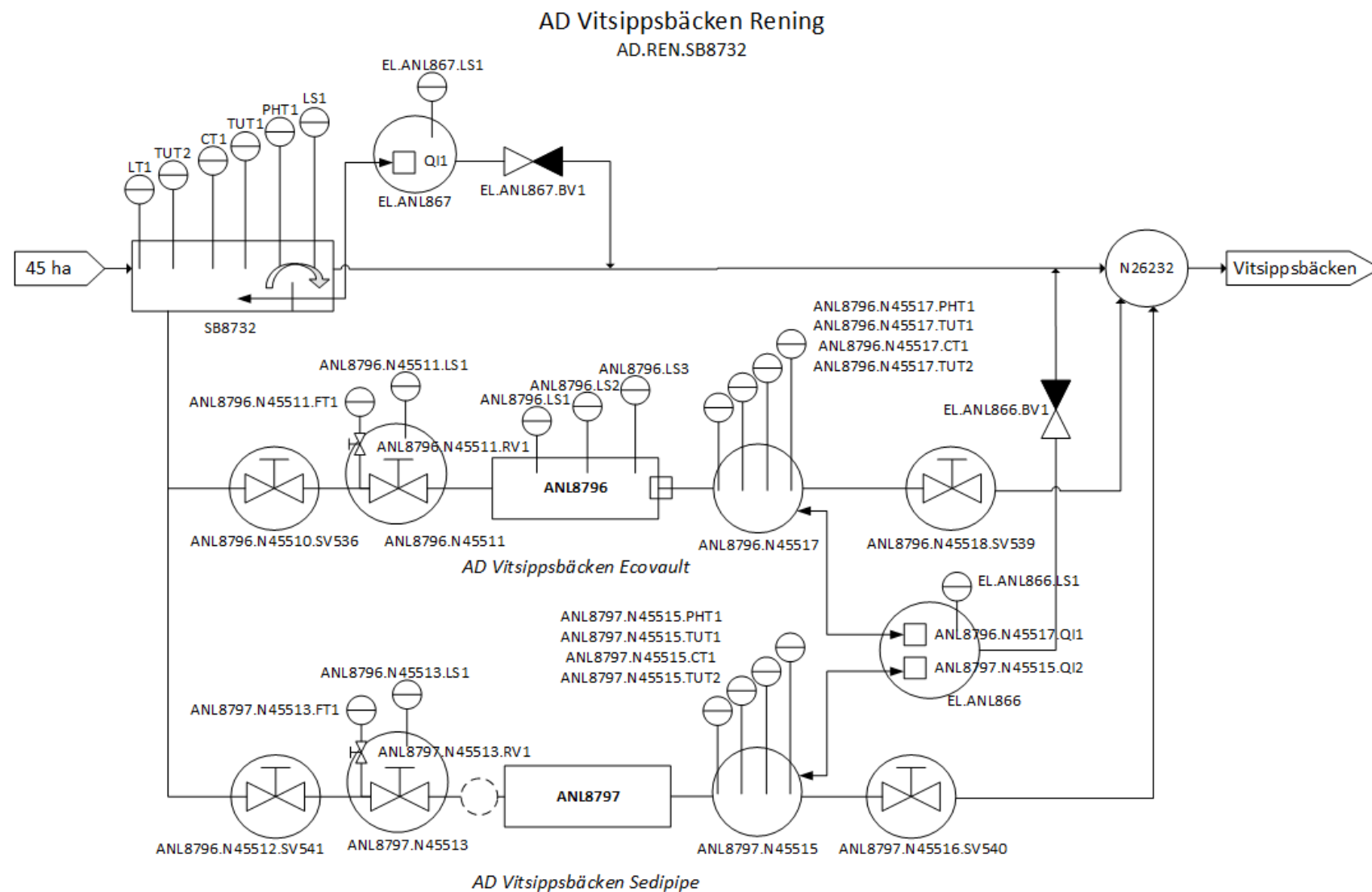
# Vitsippsbäcken pilotanläggning



- 45ha



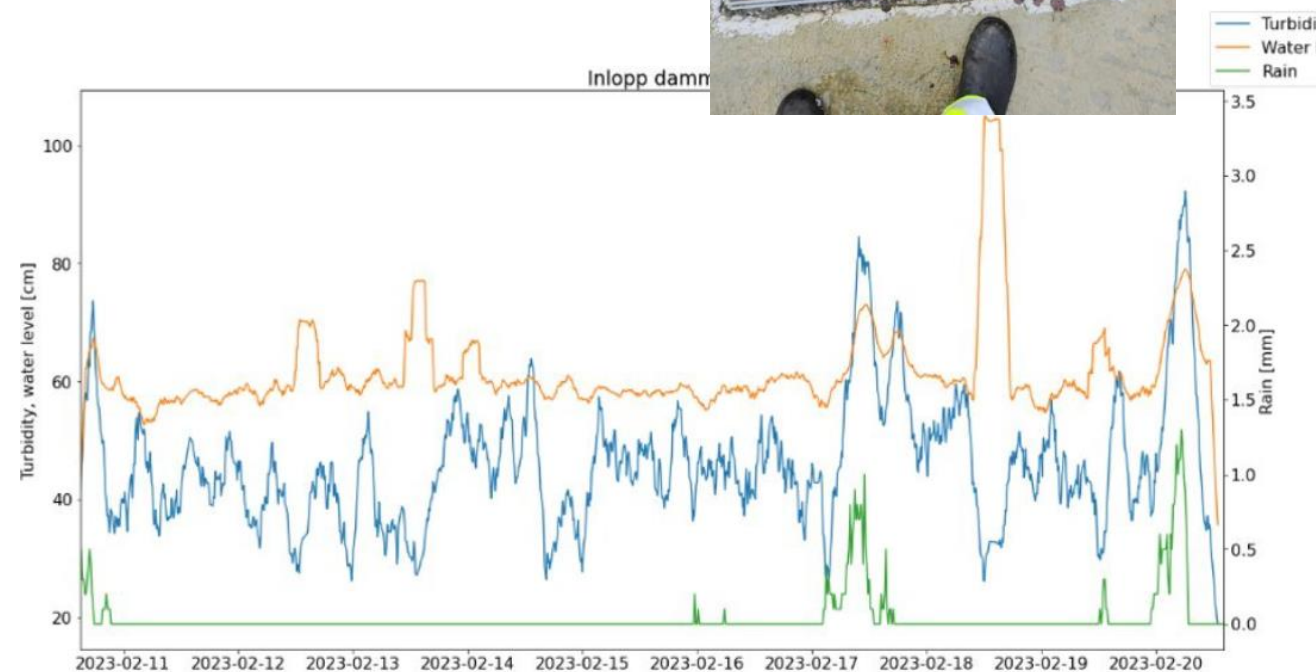
- Flödesfördelning
- pH
- Susp
- Turbiditet
- Konduktivitet
- Slamnivå
- Olja



# Kryddvägen kontroll av sedimenteringen

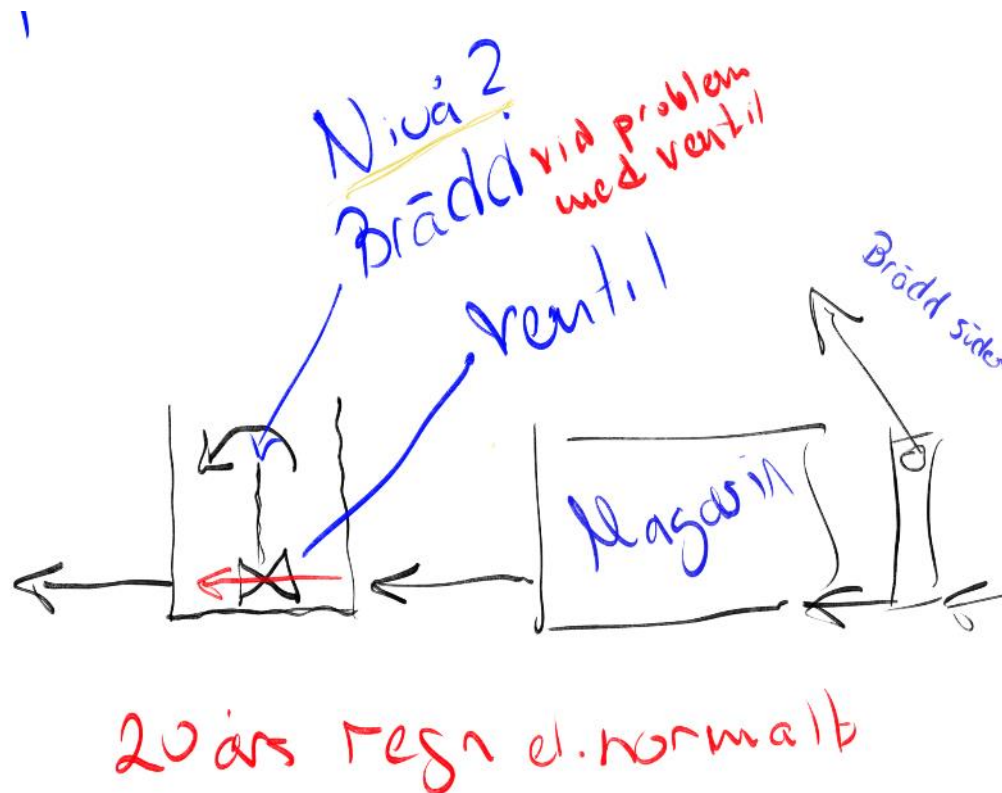


Inlopp damm

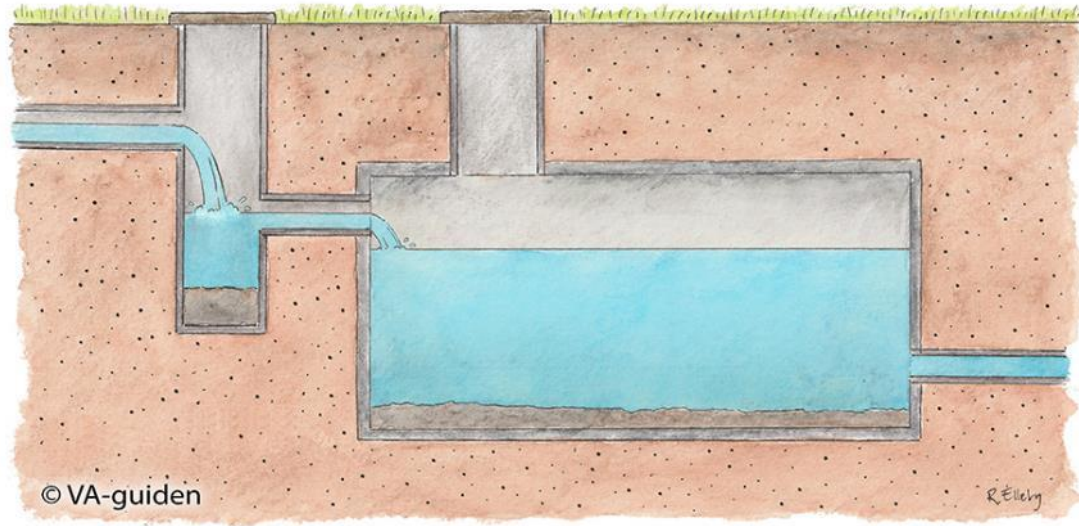


# Magasin Olofasklundsgata

- Optimering av rening av dam genom styrning av magasin
- Styrbar ventil
- Nivåmätare
- Nederbörds prognos



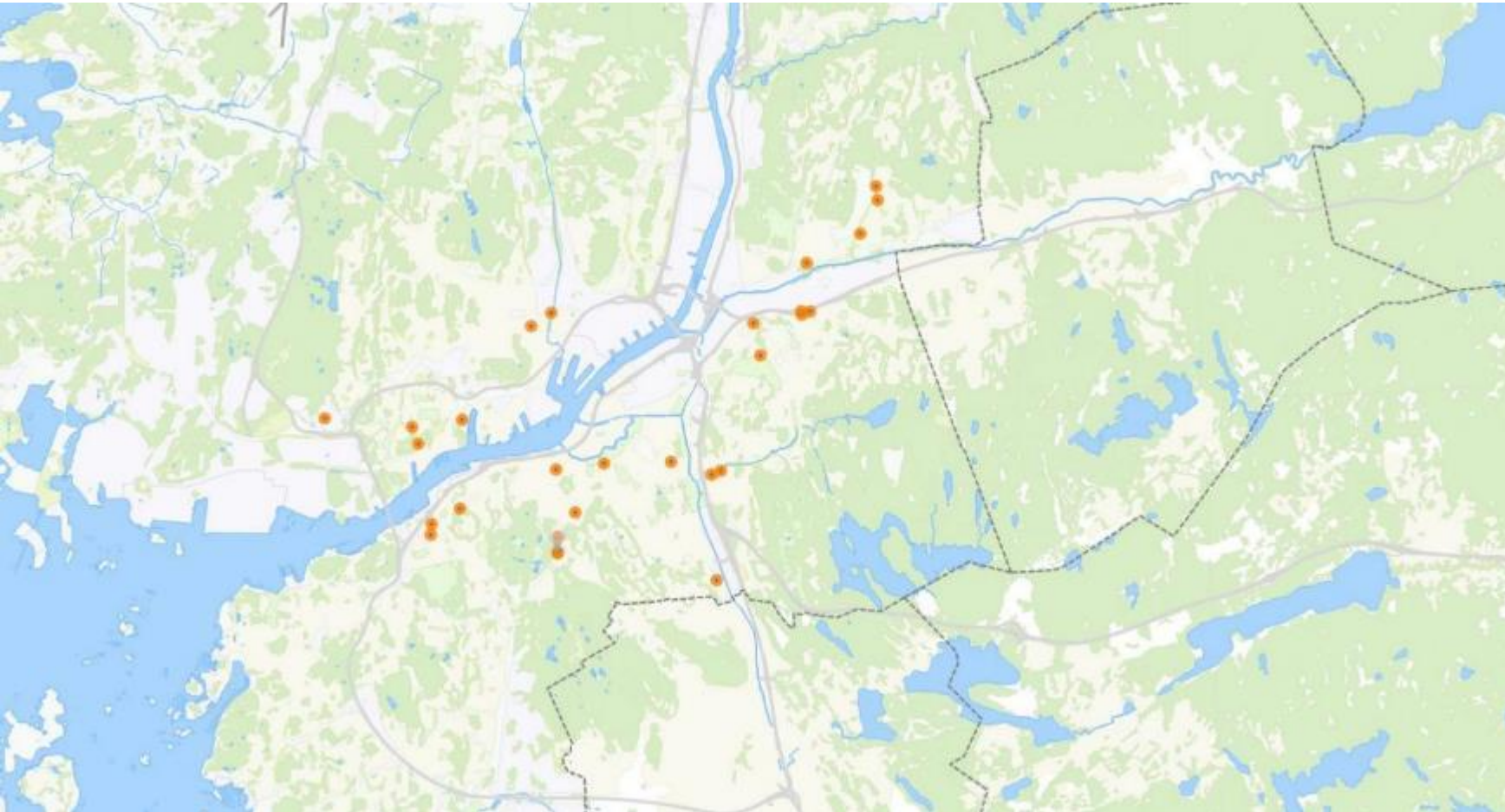
# Kontroll/intrimning av dimensionering av fördröjnings magasin



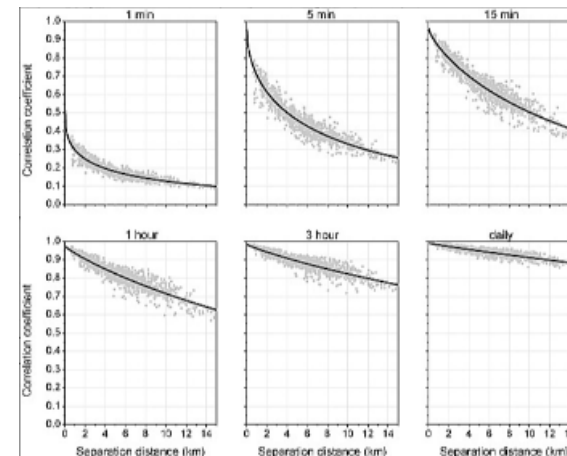
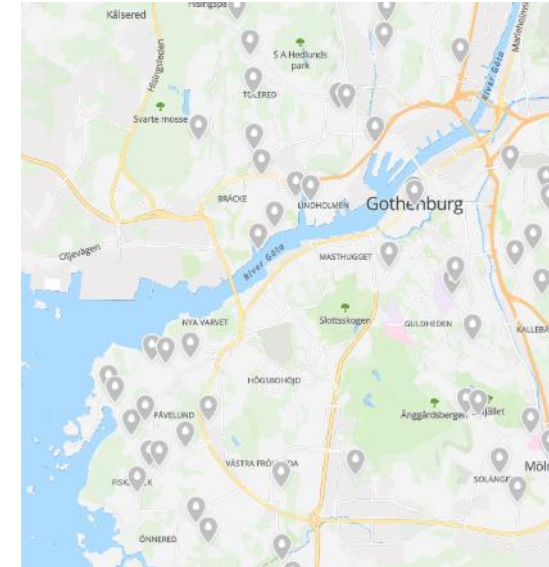
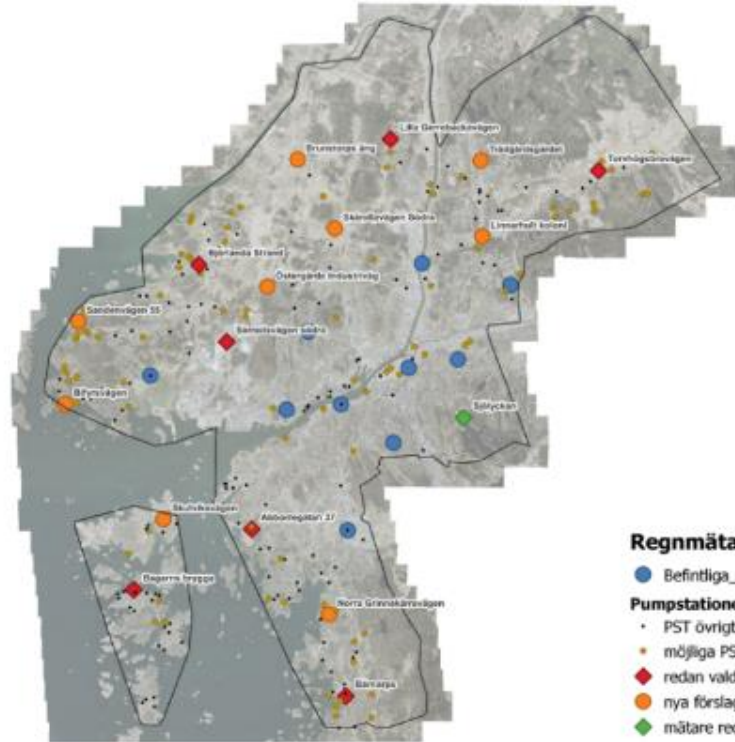


# BB/NU mätning

- Möta bla kommande krav samt förbättra FU/avhjälpande underhåll.



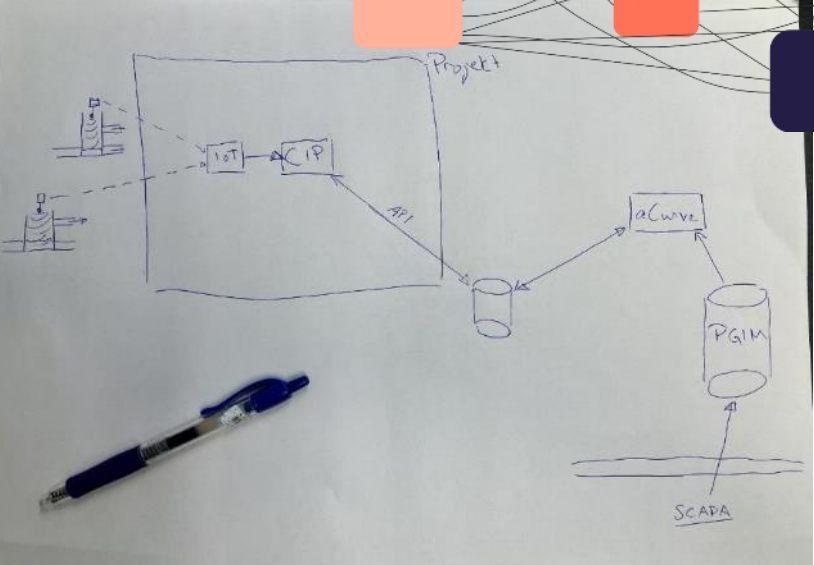
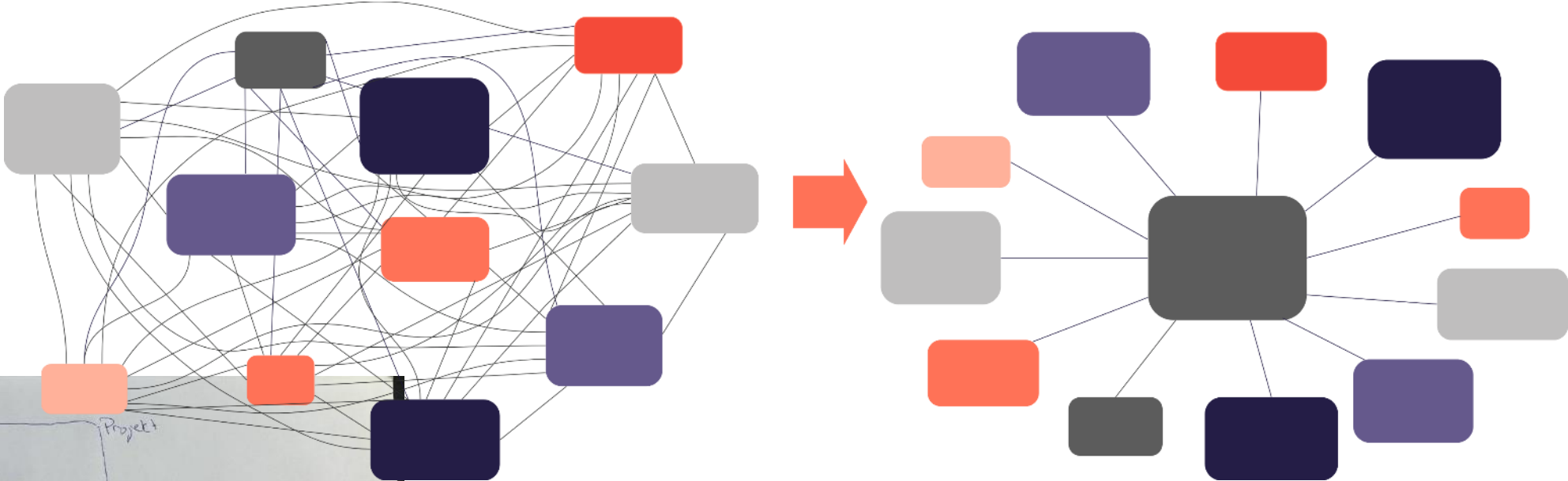
# Nederbördsrätmätare/regnmätare



# Hinder

- Teknik/kostnad - kvalitetsmätning
- Resurser
- IT infrastruktur
- Kompetens
  - IT
  - Mätare

# IT-infrastruktur



## **Kontakt**

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