

# SWEDISH GOVERNMENT FUNDING FOR WWTP API REMOVAL



CW Pharma webinar  
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# Disposition

- Recent developments (Sweden, EU, world)
- Short background to Sweden's approach
- Investment grants for Swedish WWTP upgrades
  - Ongoing projects
  - Challenges today and ahead
- Other activities at SEPA

# Recent developments

- EU Commission – March 2019
  - [”Strategic Approach to Pharmaceuticals in the Environment”](#)
- Swedish parliament and government – May 2019
  - [“The rate of WWTP upgrading must be increased”](#)
- OECD – August 2019
  - [“Pharmaceutical residues in Freshwater: Hazards and Policy Responses”](#)
- EU Commission – Upcoming 2021
  - [“Zero pollution action plan”](#), revision of UWWTD, SSD, ...

**All policy recommendations highlight the need to fill knowledge gaps and acknowledge the importance of “upstream” measures**



"Advanced treatment technologies should be evaluated by 2018"

- From government proposition

["A toxic-free everyday environment"](#)

2013

SEPA in government commission:

- "There is a need"
- "We have the technology"
- "More work is needed:
  - Socio-economic analysis?
  - Best policy instruments?
  - Prioritization?
  - Fill knowledge gaps"

2017

2018

2019

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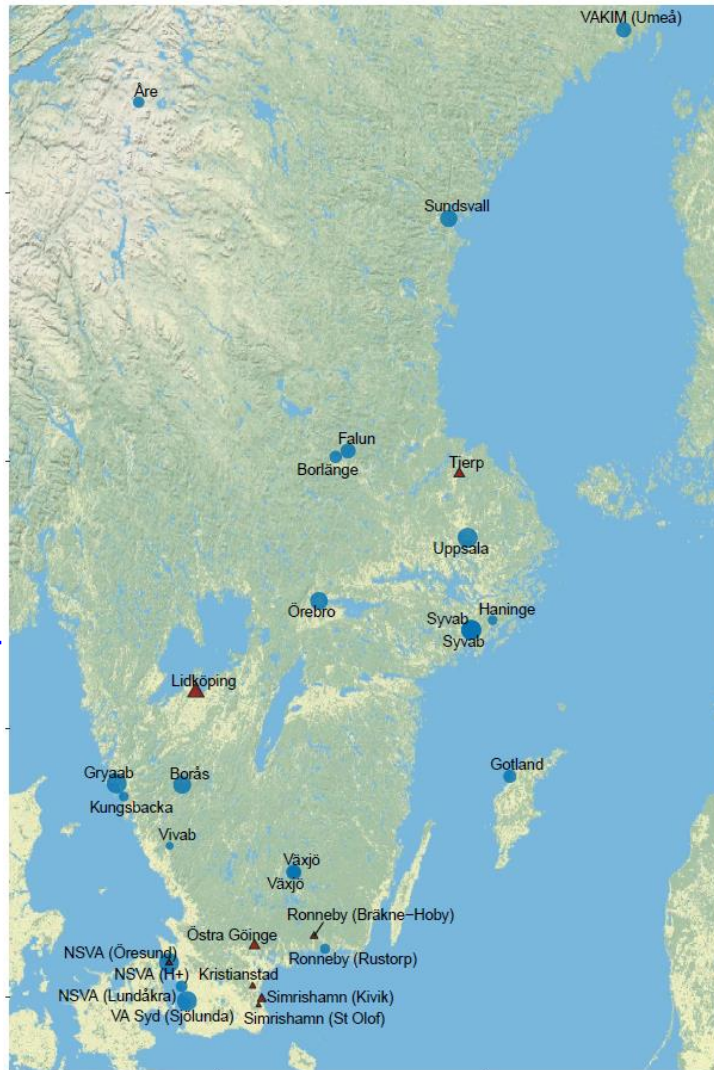
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2023

Calls for state funded investment grants

Start-up of "pre-procurement" group together with The Swedish Water & Wastewater Association

[Link to map](#) (update coming)  
[Link to table](#) (update coming)  
[Link to 2020's call \(WWTPs\)](#)  
[Link to 2020's stormwater call](#)



### Project type

- Pre-study
- ▲ Investment

### Person equivalents

- 5 000
- 100 000
- >200 000



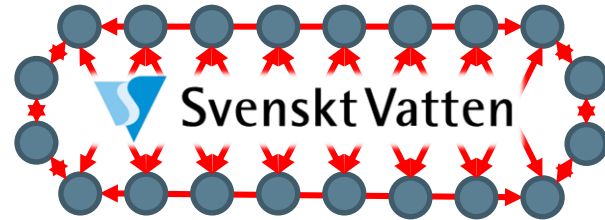
- Seed money and yearly funding ≈ 50 k€
- The Swedish Water & Wastewater Association



# Pre-procurement group

**Some 30 WWTPs share:**

- Knowledge compilations - national and international
  - Own experiences - problems and solutions

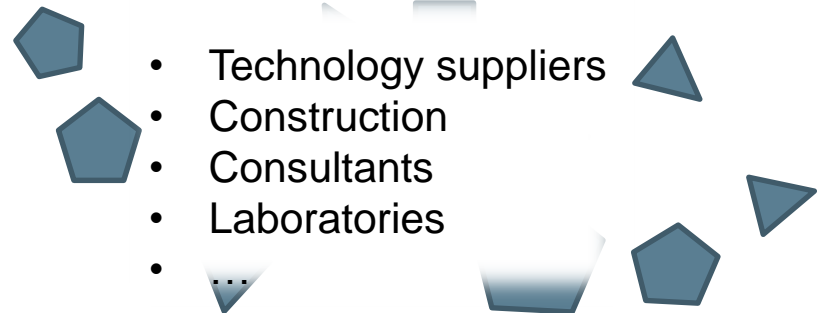


Common criteria



for procurement

Market



# Challenges ahead – SEPA is not alone

- Cost-benefit?



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- Future legislation?



- Best policy instruments?



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# Challenges ahead

- Other environmental and sustainability goals – conflicts and synergies



- Reduced Climate Impact
- Clean Air
- Natural Acidification Only
- A Non-Toxic Environment
- A Protective Ozone Layer
- A Safe Radiation Environment
- Zero Eutrophication
- Flourishing Lakes and Streams

- Good-Quality Groundwater
- A Balanced Marine Environment, Flourishing Coastal Areas and Archipelagos
- Thriving Wetlands
- Sustainable Forests
- A Varied Agricultural Landscape
- A Magnificent Mountain Landscape
- A Good Built Environment
- A Rich Diversity of Plant and Animal Life



# Other activities at SEPA

- Policy Area Hazards

- Coordinator

- Cooperation with HELCOM

- Various national screening projects

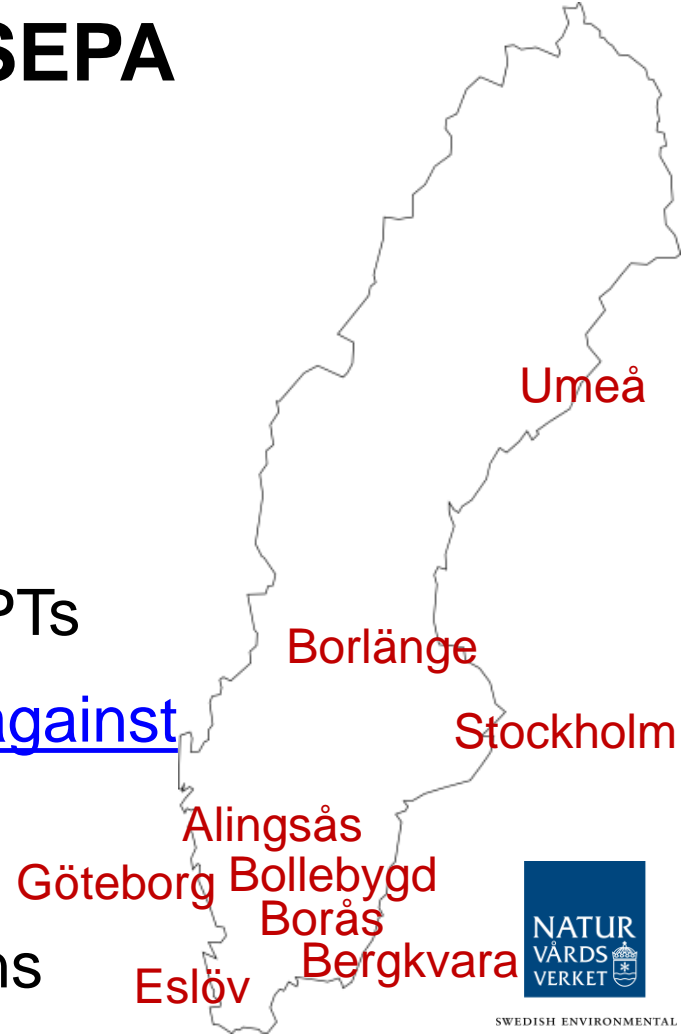
- Yearly national monitoring at nine WWPTs

- Intersectoral coordinating mechanism against antibiotic resistance

- Support and collaboration with other agencies, government and organizations



EUSBSR  
EU STRATEGY  
FOR THE BALTIC  
SEA REGION



SWEDISH ENVIRONMENTAL  
PROTECTION AGENCY

# Thank you!

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