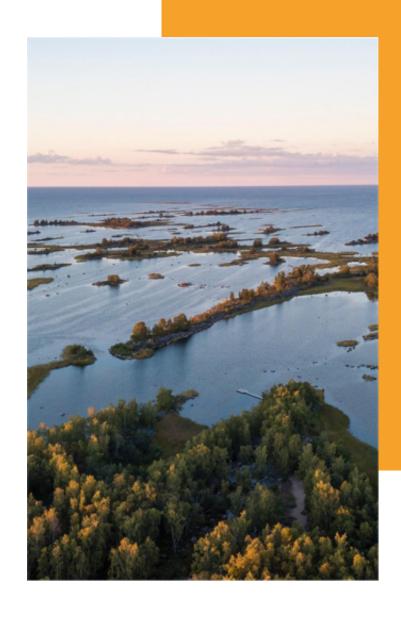


Nutrient recycling in municipalities





Introduction to Workshop Session





Introduce yourself

- Name, organization and position briefly
- How is your work connected to nutrient management?



Objectives of the Workshop

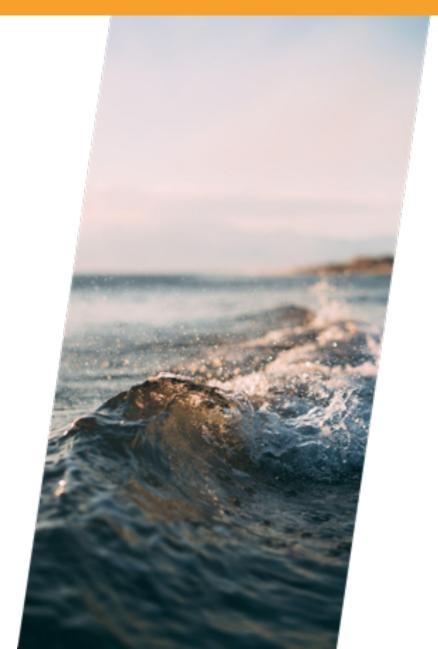
- 1) Identifying challenges and opportunities related to
- choosing, planning and executing measures to control eutrophication in municipalities
- calculating nutrient leakage (P&N) and the effect of each measure to reduce it
- 2) Exchanging knowledge and experiences on measures related to eutrophication



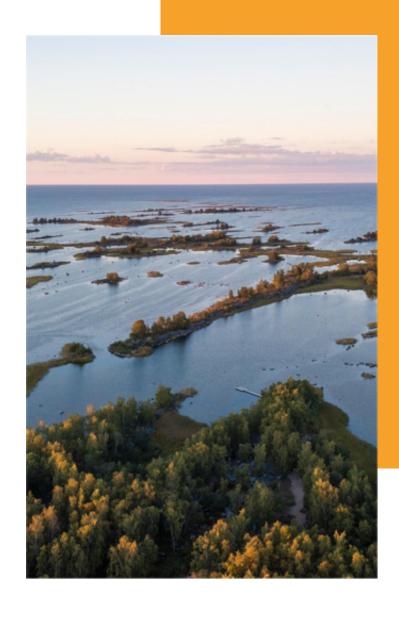


After the Workshop we should have

- deeper knowledge on the needs of the municipalities on
 - measures to control eutrophication
 - calculating nutrient leakage







Groups



Group 1. Agricultural measures including wetlands and ditches

Notes: Rosemari Herrero

- 1. Renate Foks, Kalmar
- 2. Linda Aldebert, Katrineholm
- 3. Ylva Wallin, Blekinge Arkipelag
- 4. Mari Joensuu, Helsinki
- 5. Daniel Hedström , Värmdö

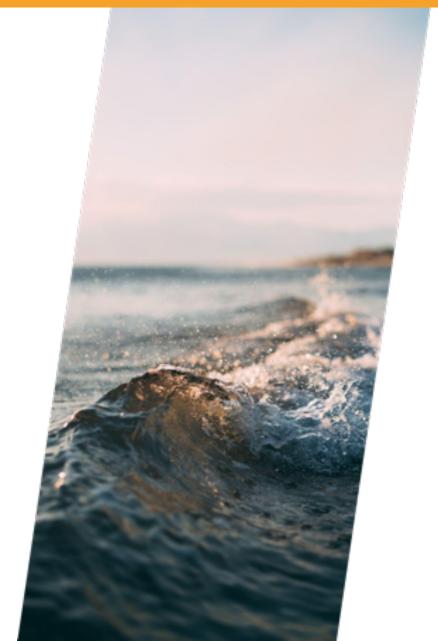




Group 2. Stormwater management and treatment

Notes: Kamil Jagodzinski

- 1. Kristina Lūžaitė, Klaipeda
- 2. Rūta Taučikienė, Panevezys
- 3. Anna Halonen, Helsinki
- 4. Jenni Brink Bylund, Värmdö
- 5. Tove Holm, Turku
- 6. Mattias Muller, Simrishamn





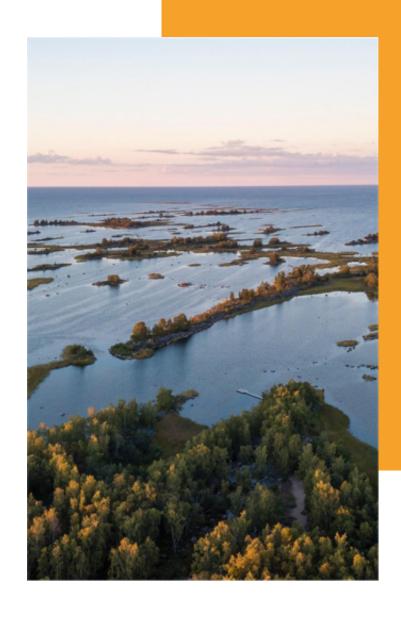
Group 3. Sewage and wastewater treatment

Notes: Helene Isander

- 1. Asta Puodziuniene, Panevezys
- 2. Rasa Grubliauskyte, Klaipeda
- 3. Jenny Herbertsson, Katrineholm
- 4. Emma Mattsson, Vaxholm
- 5. Katariina Serenius, Helsinki
- 6. Anders Fröberg, Västervik





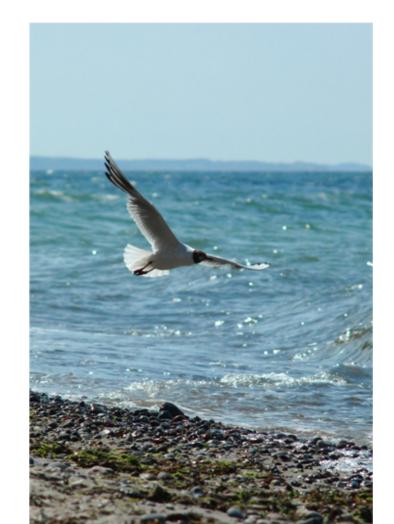


Workshop Tasks



Individual work: Challenges and opportunities

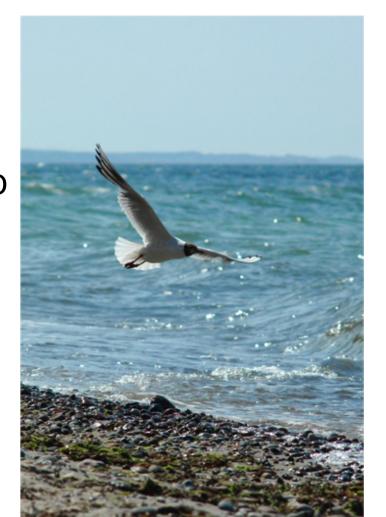
- Think by yourself about selecting, planning and using measures in your topical group
 - What are the challenges related to them?
 - What about opportunities?
- Write each thought on a separate post-it
- You have 5 minutes





Group work: Challenges and opportunities

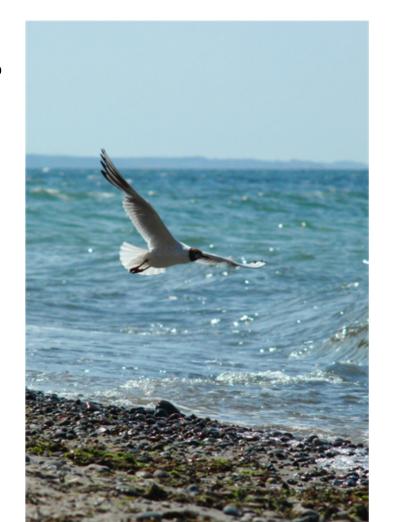
- Discuss in your group the challenges identified
 - o Can you group them into categories?
 - Where would you need help?
- Discuss the opportunities related to the measures
 - Do you have good practices to share?
- Write the main points on flipboard
- Be prepared to present
- You have 25 minutes





Group Work: Calculating nutrient leakage and the effect of each measure to reduce it

- Discuss in your group
 - o Have you calculated nutrient leakage?
 - Have you estimated the effect of different measures?
 - o Can you share experiences?
 - What are the challenges in the calculation?
 - What kind of help would you need?
- Write the main points on flipboard
- Be prepared to present
- You have 25 minutes







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RECAP DAY 1

√REFLECTIONS
√INSPIRE
√SHARED
LEARNINGS



Topics for tomorrow:

- SDG 14
- Biogas and gypsum treatment solutions for reducing nutrients
- Treatments in agriculture the arable lands, application of structural lime, gypsum, and wood fiber for reduction of nutrient load

We start at 9:00 here tomorrow – Now let's go to the restaurant.

Great work today!

