

The 9th Nordic WFD Conference - 2019

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Kristian Moseby, Catchment coordinator

Local water management and commitment of measure implementation

Examples from Øyeren catchment

Coordination at regional level

(Top down)

Ministries and
Agencies



River basin district
authority

Bottom-up



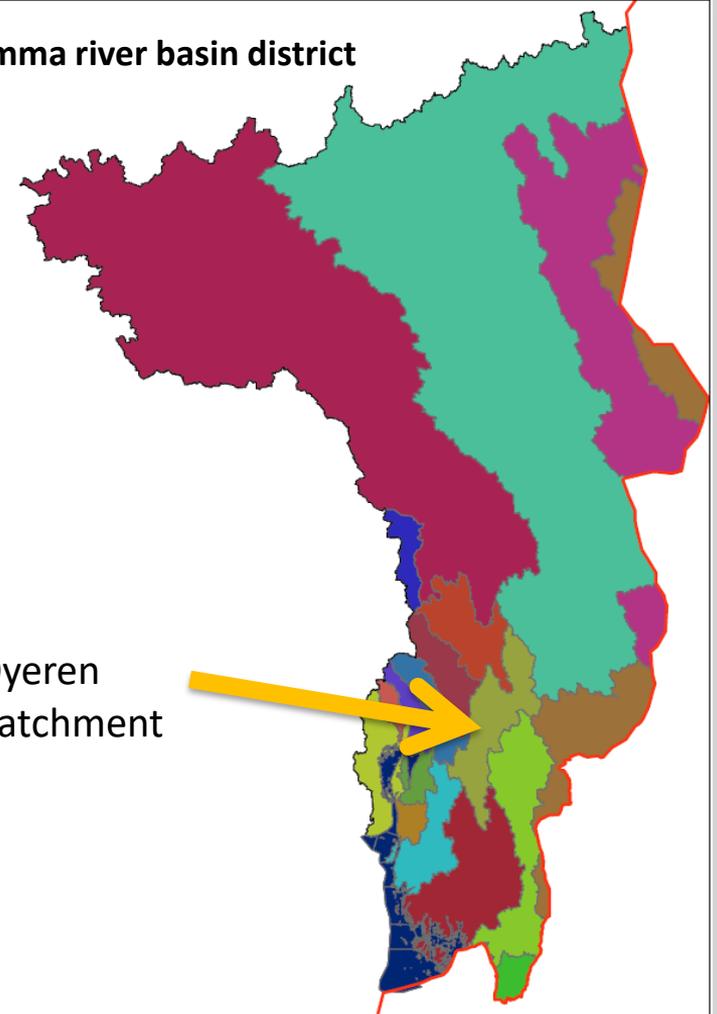
Øyeren catchment

Morsa catchment

Haldenvassdraget
catchment

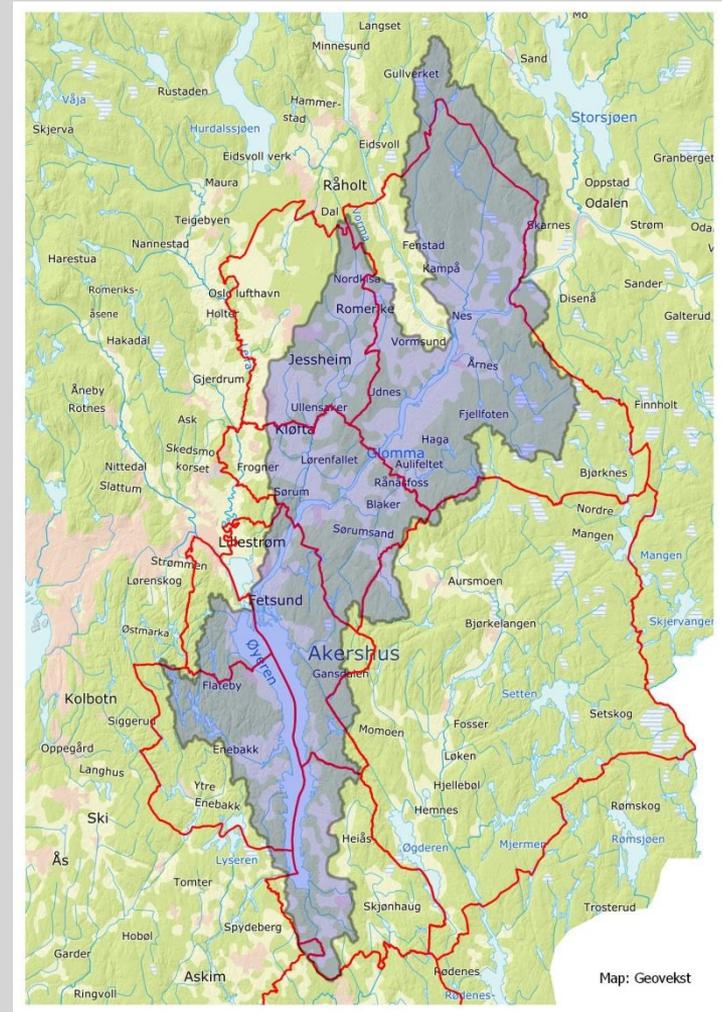
Glomma river basin district

Øyeren
Catchment



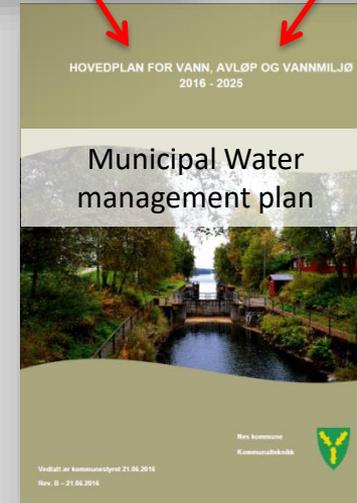
Local water management - Øyeren catchment

- 13 municipalities, 1285 km², 55 water bodies
- 8 water sources supplying 250.000 persons
- **Eutrophication +++**
- Organization – local water board (political)
- Catchment coordinator – river basin approach!



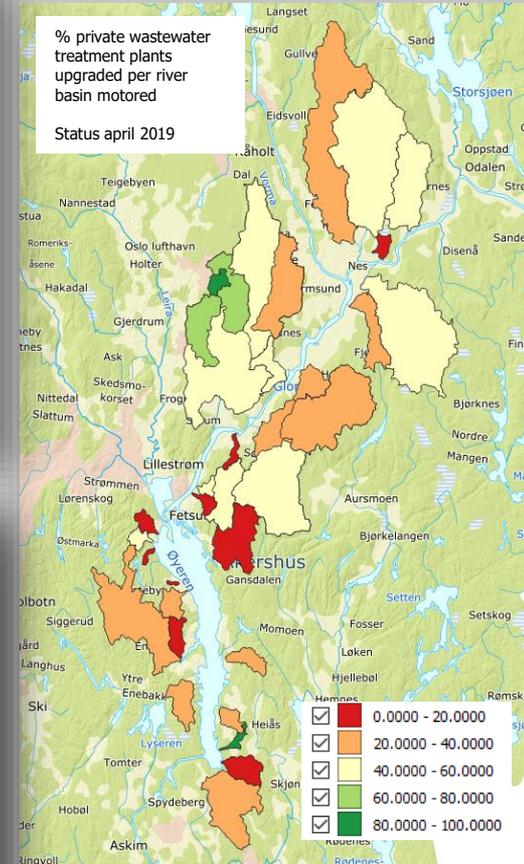
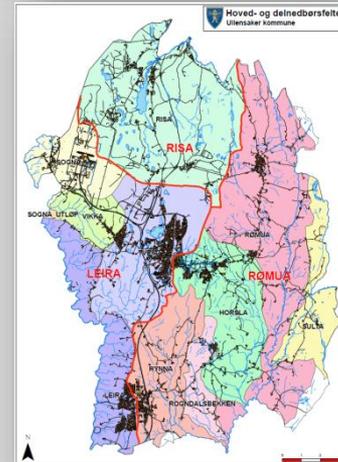
Integration of water management in sector plans

- Integrating WFD objectives and RBMP priorities into local case handling and planning
- Key factor – priority – balancing goals!
- Catchment coordinators are important facilitators in the process



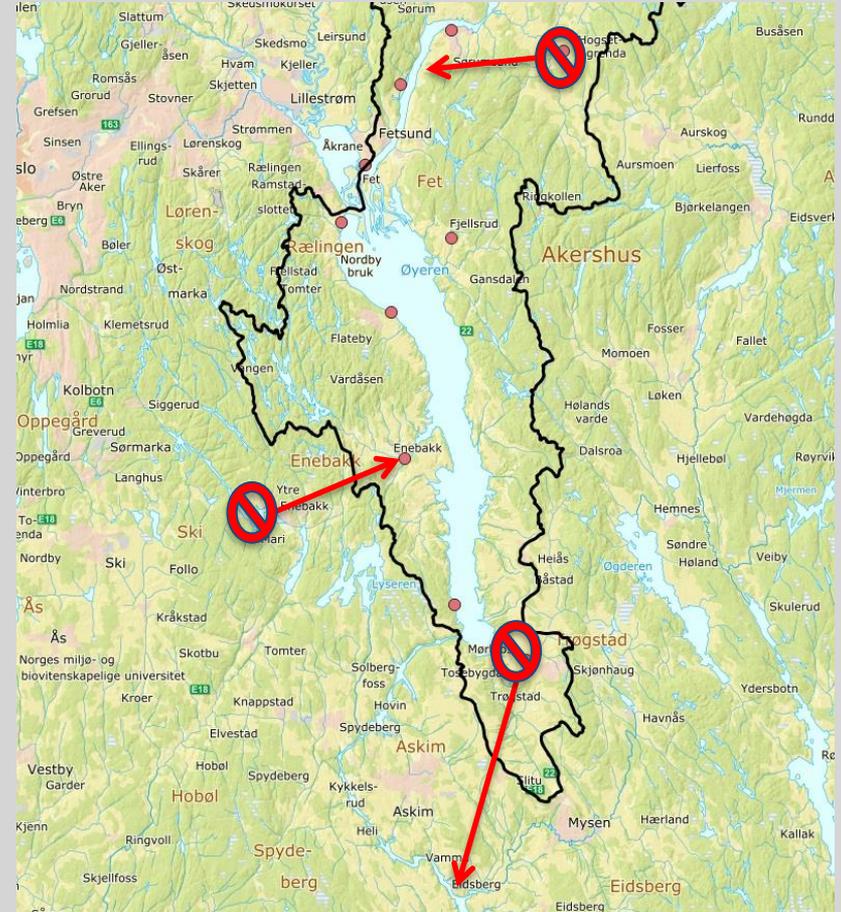
Private wastewater

- Important measure to reduce eutrophication!
- Municipalities Nes and Ullensaker; using river basin approach for prioritizing measures
- Prioritizing the zones based on user interests and ecological status
- Extensive work –is progressing!



Measures municipal wastewater treatmentplants and sewer systems

- Risk-and vulnerability analysis
- Transferring emissions from wastewater treatment plants to recipients with higher capacity (supplementary measure)
- Balancing different goals
- Authority: County Governor Environmental Department



Water in municipal plans

- Water management needs to be integrated in other parts of municipal plans
- Land use planning, storm water, nature-based solutions, flood plains, riparian vegetation, re-opening of creeks, blue-green infrastructure
- Must be included in early phase of land use and construction permits



Agricultural measures – annually

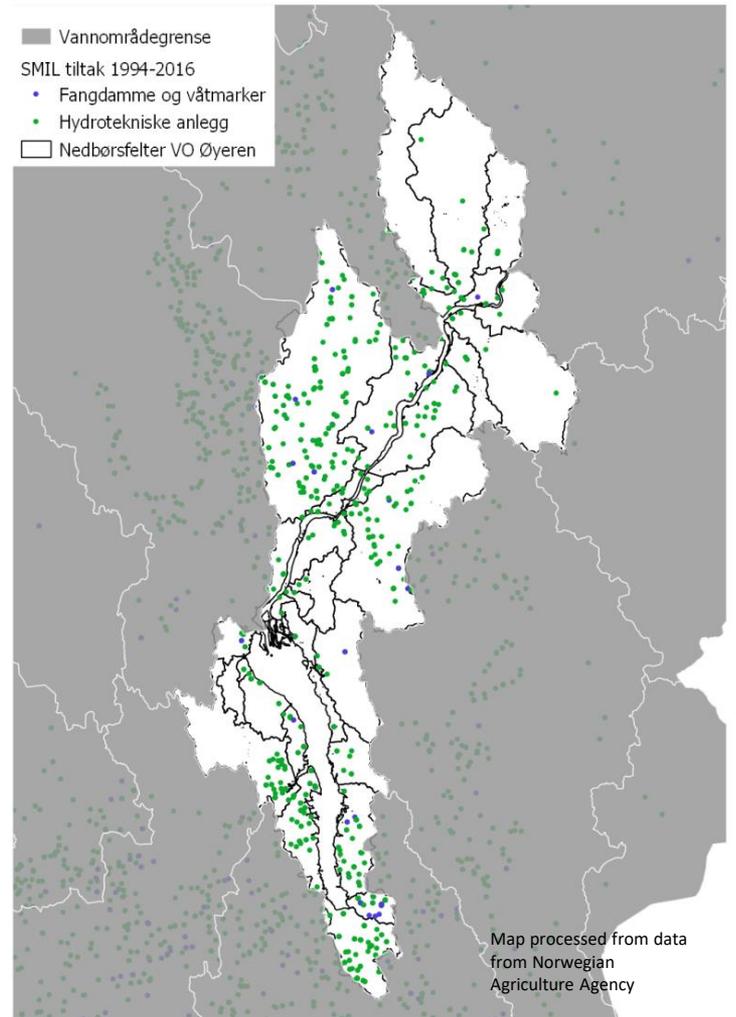
- Economical instruments / incentives – voluntary
- Implementation – big gap in some areas
- Agricultural (restrictions on fall tillage)
- The municipalities, catchments, agricultural industry... are contributing to disigning the agricultural regulations and instruments
- Authority: County Governor Agricultural Department



Map processed after exposure draft for - Regional environmental programme Oslo og Viken 4.9.2018

Agricultural measures – investments

- Voluntary investment incentives (SMIL)
- Municipality can provide grants on application
- **Constructed wetlands and drainage measures important**
- Implementation is increasing regarding drainage, decreasing regarding constructed wetlands.



Conclusion

- Local water management is getting better – takes time
- Good experience with local catchment coordinators and the bottom-up way of water management - requires resources
- Still much work to be done



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