

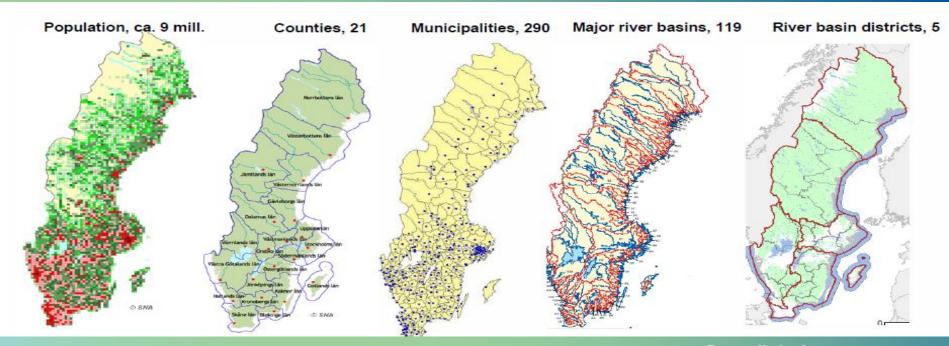


Swedish Agency for Marine and Water Management

SwAM - centre for Swedish water management

- Three of Sweden's sixteen environmental objectives Zero Eutrophication; Flourishing Lakes and Streams; and A Balanced Marine Environment, Flourishing Coastal Areas and Archipelagos.
- Water Framework Directive
- Marine Strategy Framework Directive
- > Policies for fisheries (national and EU)
- The regional conventions OSPAR (Northeast Atlantic) and HELCOM (Baltic Sea)





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Groundwater

"Everywhere" Water bodies: **3025**





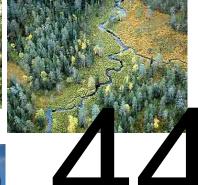
Status assessment WFD

Delineated water bodies

Rivers

> 500 000 km Water bodies: **15 563**





Lakes

> 100 000 (> 0,01 km2, 2,5 acres) Water bodies: **7232** (> 0,5 km2)



Coastal waters

Water bodies: 622

Status assessment WFD

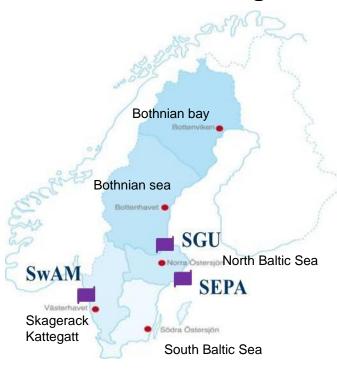
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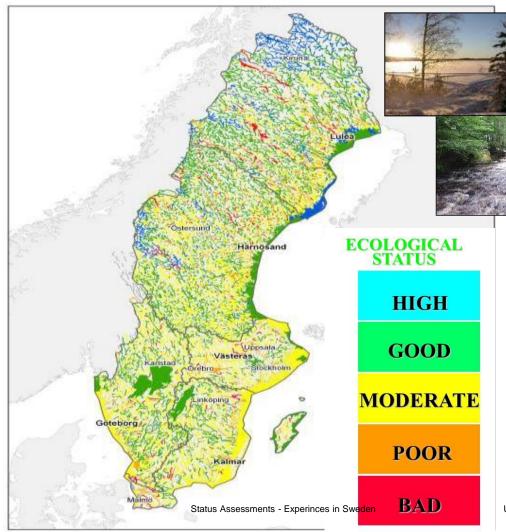
26 440 WB:s in 119 main River Basins in 5 water districts

Performed by Regional county administrative boards (21)

Coordinated by water district authorities RBMP:s EQS (and PoM) decided by regional water boards

National authorities; guidelines and regulation





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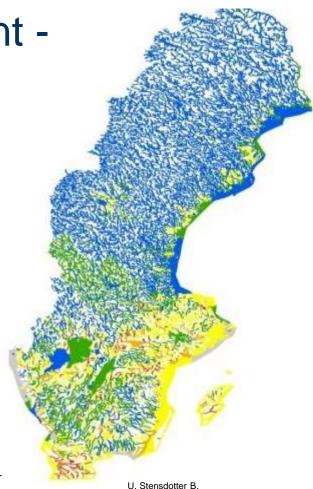




U. Stensdotter B.

Impact assessment -



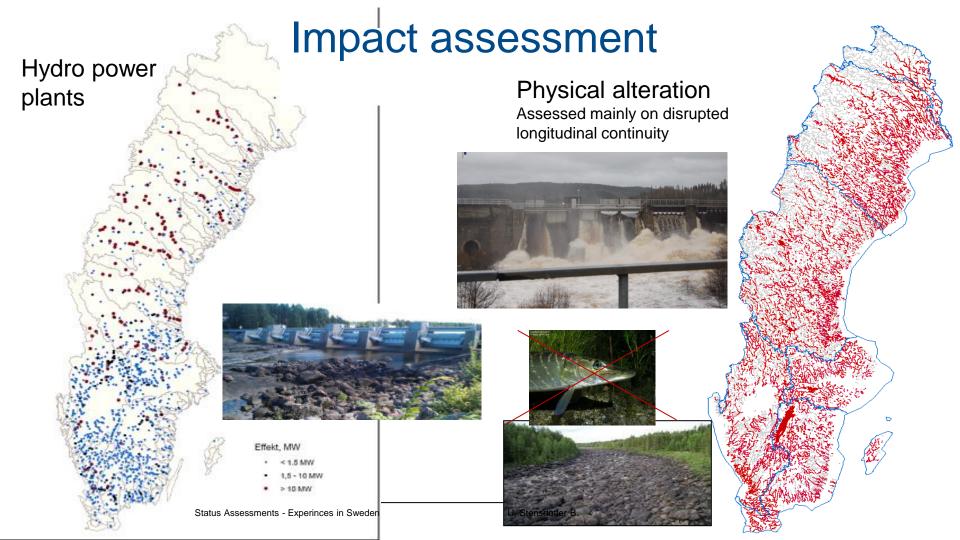






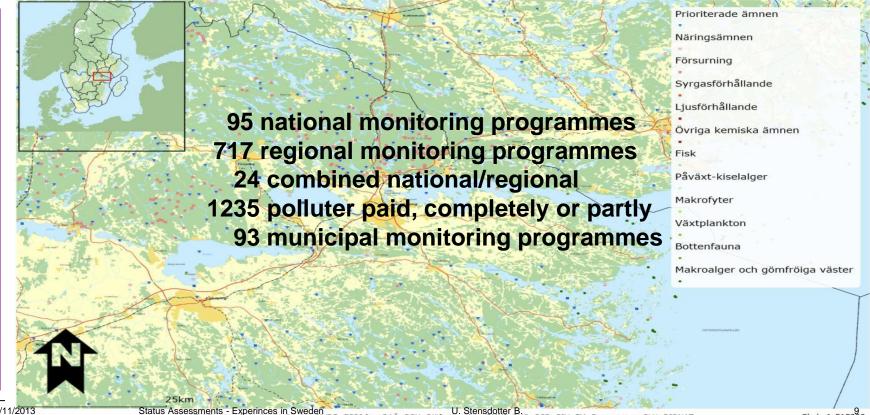






Monitoring stations ≈ 15 000

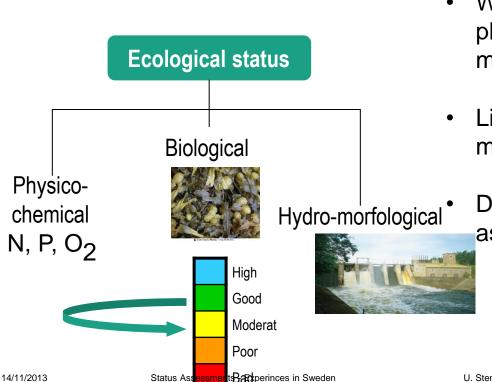
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Assessment methods - experiences

Environmental quality criteria



- Weak harmonisation between biological, physico-chemical and hydromorfological quality elements
- Limited usage due to lack of relevant monitoring data
 - Difficulties to estimate uncertainty in assessments

Assessment methods - revision

Environmental quality criteria

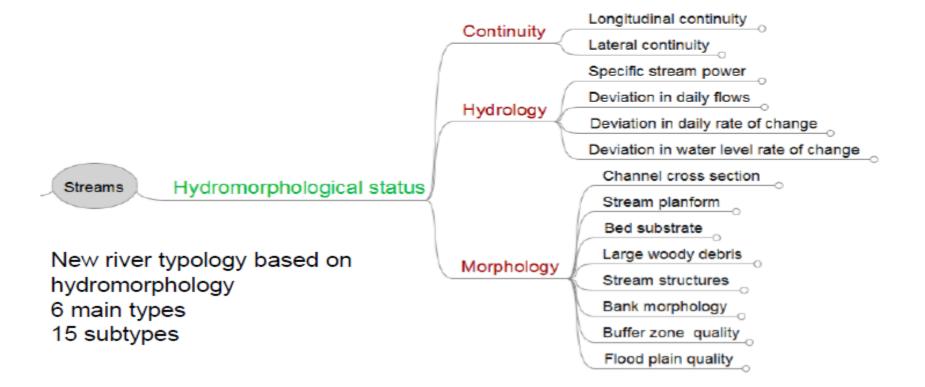
- Research project WATERS developing and harmonising methods for assessment, defining reference conditions and class boundaries (<u>www.waters.gu.se/english</u>)
- A better typology: revising methods of grouping water bodies for status assessment
- Legal review of ways of regulating operational monitoring, particularly methods and data availability
- Further intercalibration with neighbouring countries

Revision of monitoring programmes, step by step

- Increased representativity of water types
- More randomly distributed monitoring, better use of statistics and modelling
- More biological QE:s on present stations
- Monitoring of hymo QE:s
- More groundwater monitoring (quantity & quality)
- Better use of local monitoring data

New quality standard for hydromorhology in rivers, lakes and coastal wb







ulrika.stensdotter@havochvatten.se