

Aarhus Universitet 28/02/2017
Flemming Gertz, SEGES

INVOLVERENDE VANDFORVALTNING

- INTERNATIONALT OG NATIONALT PERSPEKTIV

TReNDS

Transport and Reduction of Nitrate in Danish Landscapes at various Scales



Innovation Fund Denmark

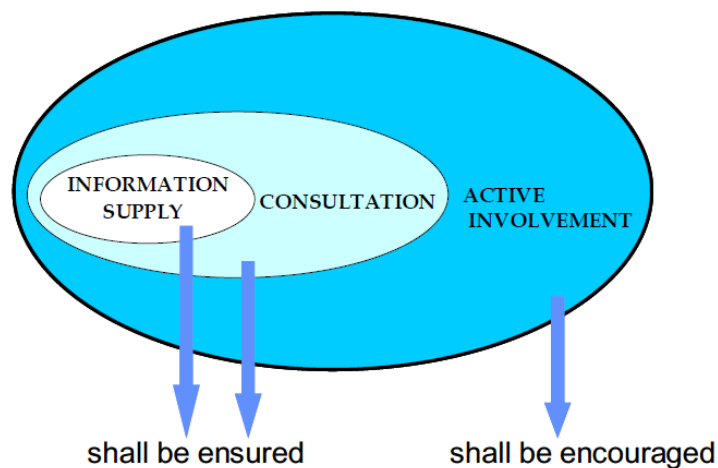
RESEARCH, TECHNOLOGY & GROWTH



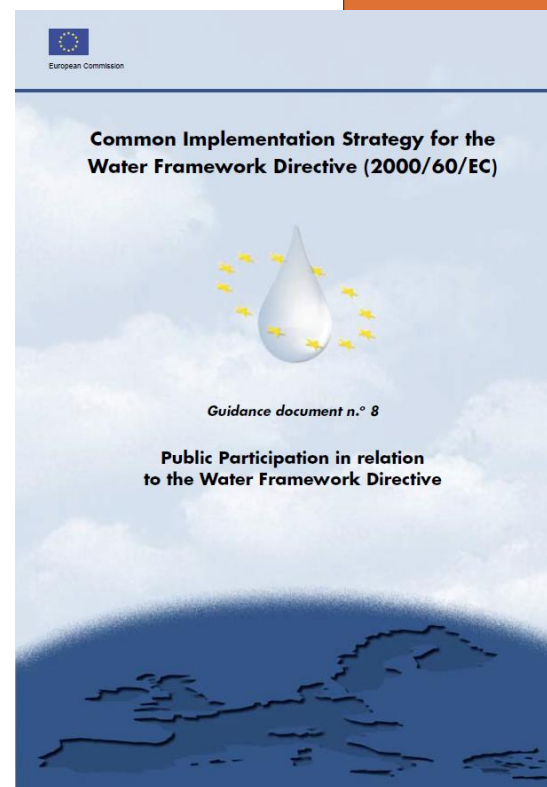
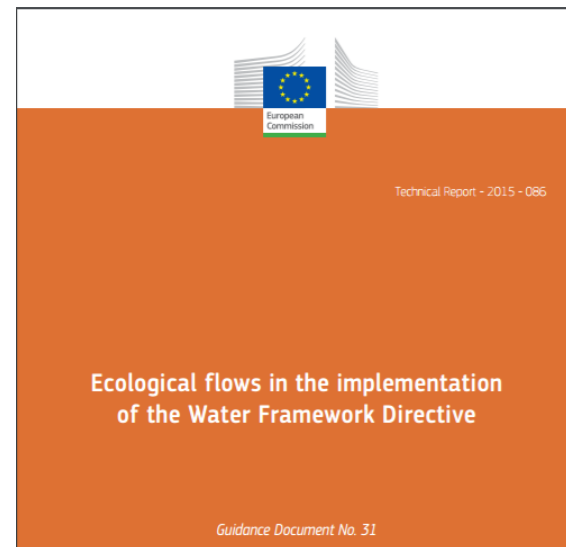
VANDRAMMEDIREKTIVET

Involvering - Public participation

EU guidance document no. 8: *Public Participation in relation to the Water Framework Directive*:



*Public participation on Eflows should be developed in all the phases of the WFD planning process, **from its design, implementation plan and effective implementation follow-up**, ensuring the participation continues in subsequent planning cycles.*



AKTIV INVOLVERING I SVERIGE (VATTENRÅD)

Sveriges Vattenorganisationer
www.vattenorganisationer.se

Start | Bottnviken | Bottnhavet | Norra Östersjön | Södra Östersjön | Västerhavet

Meny

- Hem
- Nyheter
- Kalender
- Dokument
- Sök innehåll

Nu kan du också påverka!

Välkommen till webbplatsen för Sveriges vattenorganisationer! Här delas erfarenheter och information mellan Sveriges alla vattenorganisationer.

Om du nyfiken på vad som händer i landets alla vattenorganisationer? Kanske letar du efter en vattenorganisation där du bor? Här kan du hitta svaren!

Välkommen till den nya vattenförvaltningen där vi vill att du blir delaktig.

VATTENMYNDIGHETERNA

Hitta din vattenorganisation

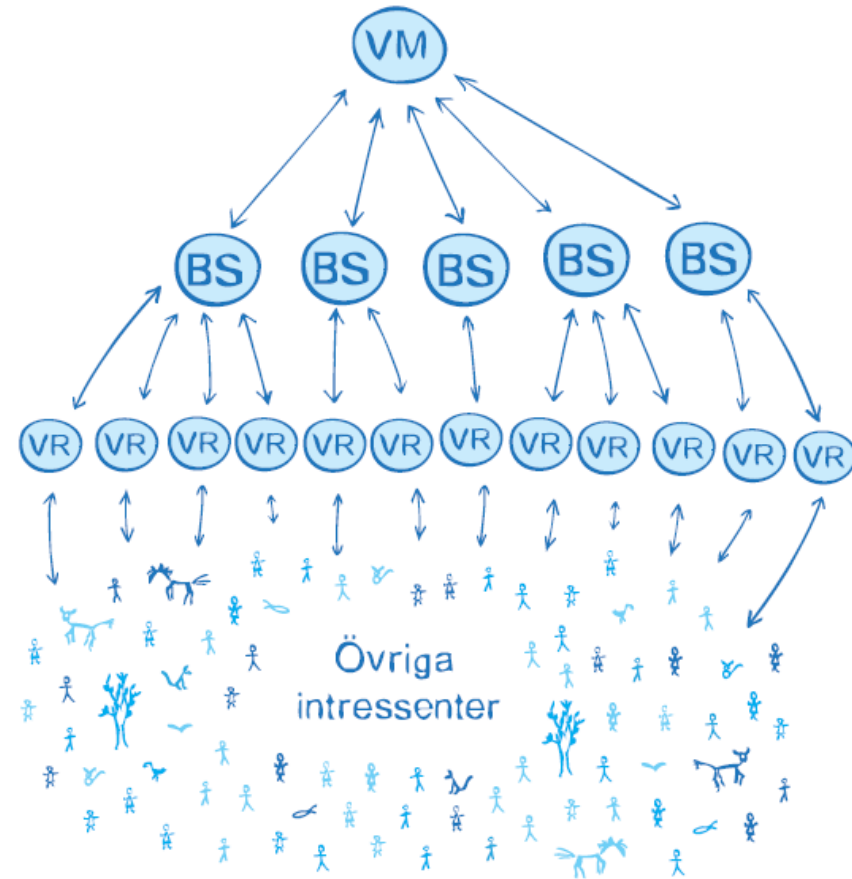
Sverige är uppdelat i fem olika vattendistrikt. Under varje distrikt kan du hitta mer information om vattenorganisationer i din närhet. Välj distrikt nedan i listan.

Välj din region:

- Bottnviken
- Bottnhavet
- Norra Östersjön
- Södra Östersjön
- Västerhavet

Viktiga vattenrelaterade problem?

- Försurning (7,1%)
- Övergödning (33%)
- Effekter pga klimatförändringar (4,8%)
- Höga vattenflöden/översvämningar (7,6%)
- Vandringshinder (20%)
- Miljögifter (27,5%)



An Investment in Minnesota



On November 4, 2008 Minnesota voters approved the **Clean Water Land and Legacy Amendment** to the state constitution

The Amendment **increases the sales and use tax rate by 3/8th of 1%** on taxable sales, starting July 1, 2009 and continuing through 2034.

Dollars are dedicated to four funds:

- ✓ Clean Water
- ✓ Outdoor Heritage
- ✓ Arts and Cultural Heritage
- ✓ Parks and Trails



MN Water Management Framework



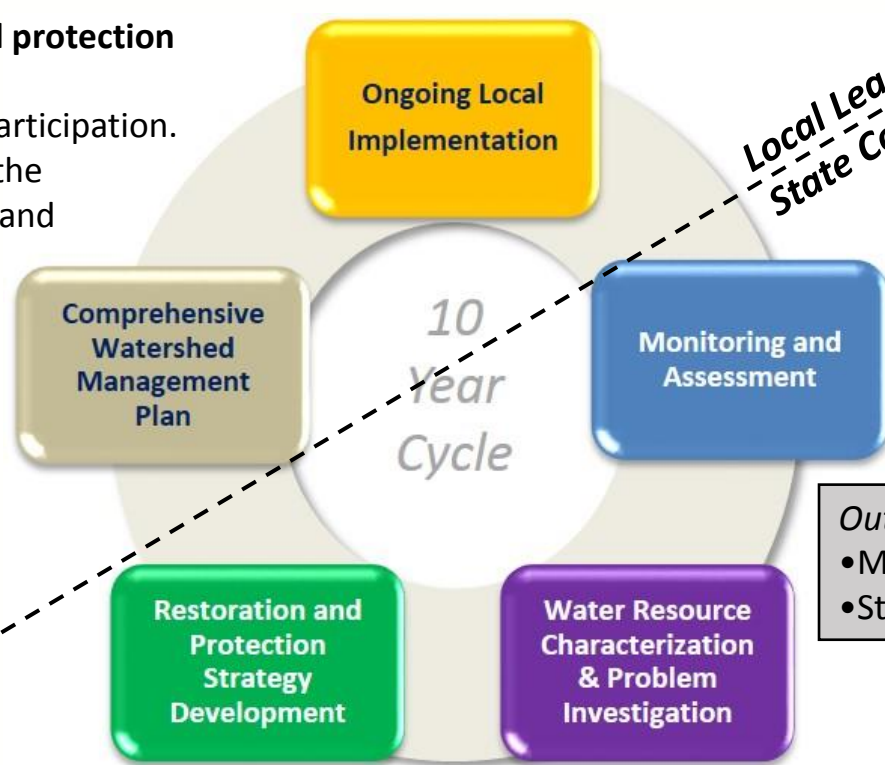
“Watershed Restoration and Protection Strategy (WRAPS)”

Step 4. Conduct restoration and protection projects in the watershed

- Civic engagement and public participation.
- Prioritize, target and measure the implementation of restoration and protection projects.

Outcomes:

- Local Water Plans
- One Watershed One Plan



Step 1. Monitor water bodies and collect data

- Two-year intensive water monitoring to identify impairments (lakes & streams)

Outcomes:

- Monitoring & Assessment Report
- Stressor Identification Report

Step 3. Develop strategies to restore and protect the watershed’s water bodies

- Summarize details on water quality issues.
- Determine reduction goals for impaired or protected water bodies.

Outcomes:

- Total Maximum Daily Load (TMDL)
- WRAPS Report

Step 2. Assess the data

- Identify impaired waters (*do not meet standards*).
- Identify stressors affecting aquatic life.
- Analyze data with water quality models and maps.



The Rivers Trust & Catchment Based Approach (CaBA)



The Rivers Trust movement

- Grassroots 'wet feet' – public benefit
- Catchment scale – ecosystem approach
- Key 'ethical broker' role
- Engage & Empower



The Rivers Trust

- documents and protocols for governance (including start up)
- Develop best practice
- Scientific and technical support
- Training & education (e.g. GIS, DWPA, fluvial geomorphology)
- Conferences & workshops
- Access to national data sets
- Development of national tools for catchment management
- Promote shared values at high policy level

Delivery, Delivery, Delivery

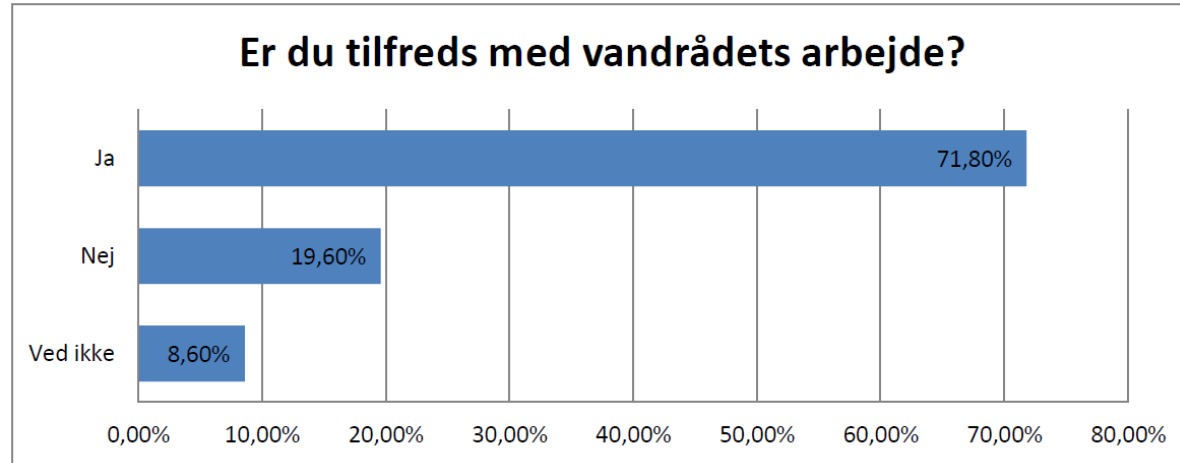


DANSKE VANDRÅD

Evaluering af vandrådsarbejdet



December 2015



Figur 8. Er du tilfreds med vandrådets arbejde (Medlemsundersøgelsen).

Morten Graversgaard, Phd stud. AU

OPLANDSKONSULENTER I DK FRA 2017

Ny konsulentordning skal sparke gang i flere kollektive miljøvirkemidler

Miljø- og fødevareministeren igangsætter en ny landsdækkende konsulentordning, som skal hjælpe landmændene godt i gang med at etablere flere kollektive miljøvirkemidler

Publiceret 16. januar 2017

AKTIVITET I TRENDS



FOTO: CAMILLA VESTERGAARD, SEGES

AKTIVITET I TRENDS

~~Scenario A
Centralised *approach*~~

~~Scenario B
market-based 'cap and trade' system~~

Scenario C
"The 'self-governance' approach"



24 November 2016 | Norsminde Kro

VIDERE ARBEJDE

Færdiggøre test af målere, udvikle app og databaser
Teste forvaltningsmodeller til 3. planperiode

Tak for opmærksomheden