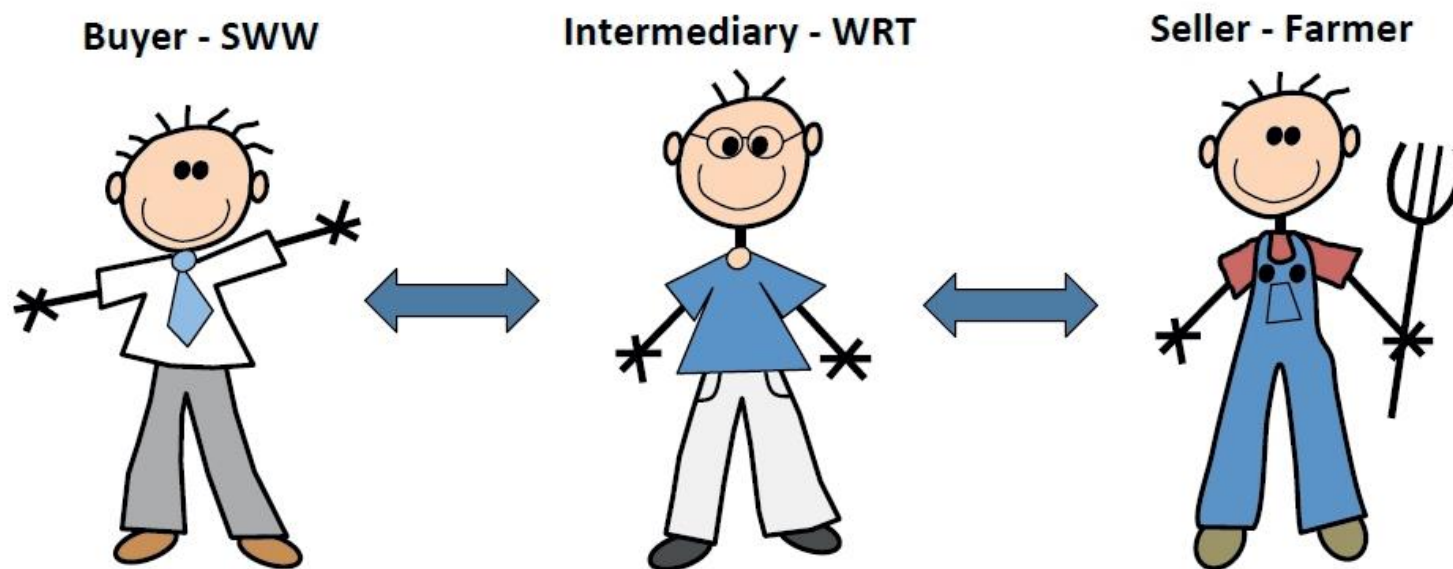


Catchment officers in Denmark

Paid Ecosystem Service - In practice



New national program – “catchment officers”

- 2015, Government: 50 mio. GBP to make 900 ha constructed wetlands in second water planning period
- 2016, “catchment officers” - Pilot tests (SEGES)
- 2017, New national program for “catchment officers”
 - Task to find and “implement” 1000-2000 sites.
 - Support municipalities in process with land owners when planning for wetland restauration
 - Identify other solutions in landscape like IBZ’s (extra)

SEGES



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Who are we

- Primarily from agriculture advisory services.
 - SEGES – project secretariat
 - Local agriculture advisories: 20
 - Other private consultants: 2



Total
2,700 employees

SEGES



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30 years of top down regulation

- 80 % reduction in P to water environment
- 50 % reduction in N to water environment

Tools to reduce nitrogen leaching in current legislation

Better utilization of animal manure

Quotas for Nitrogen on farm level

Mandatory catch crops

Restriktions in plowing grass autumn

Restriktions in soil tillage autumn

SEGES



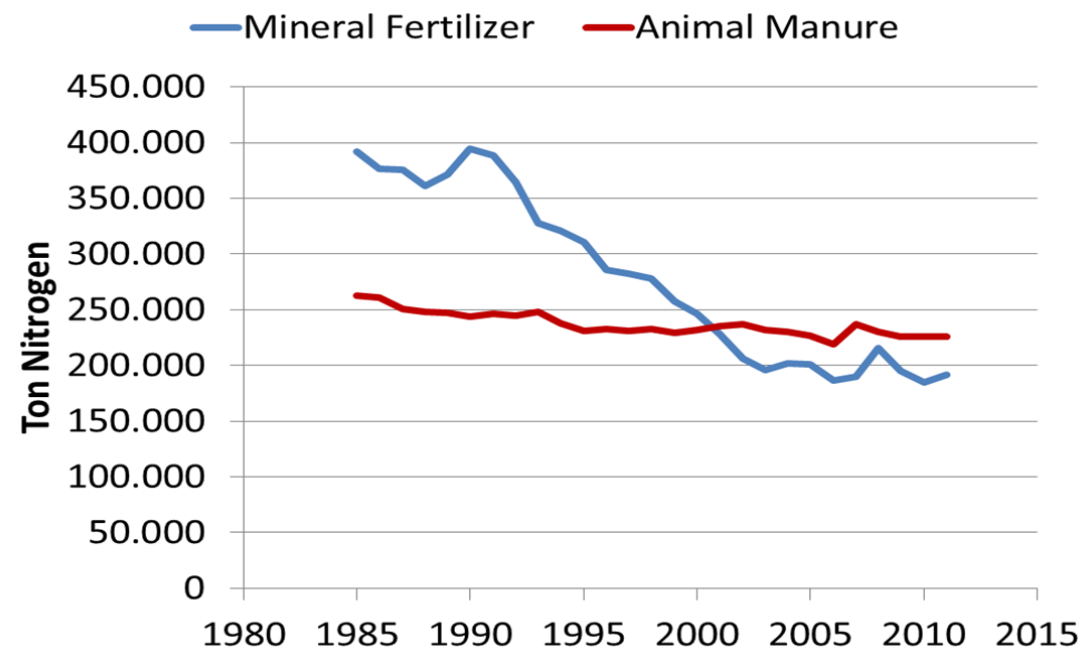
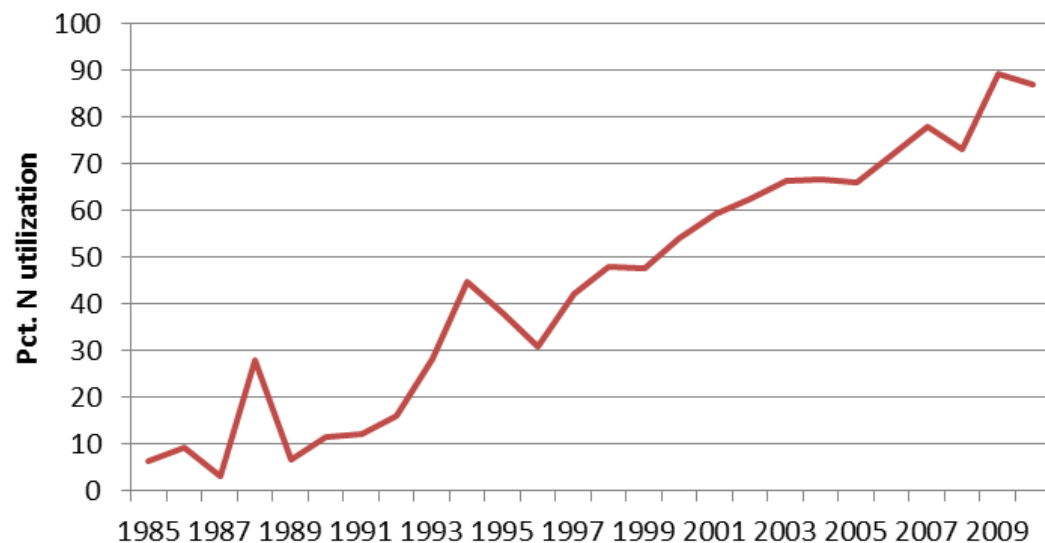
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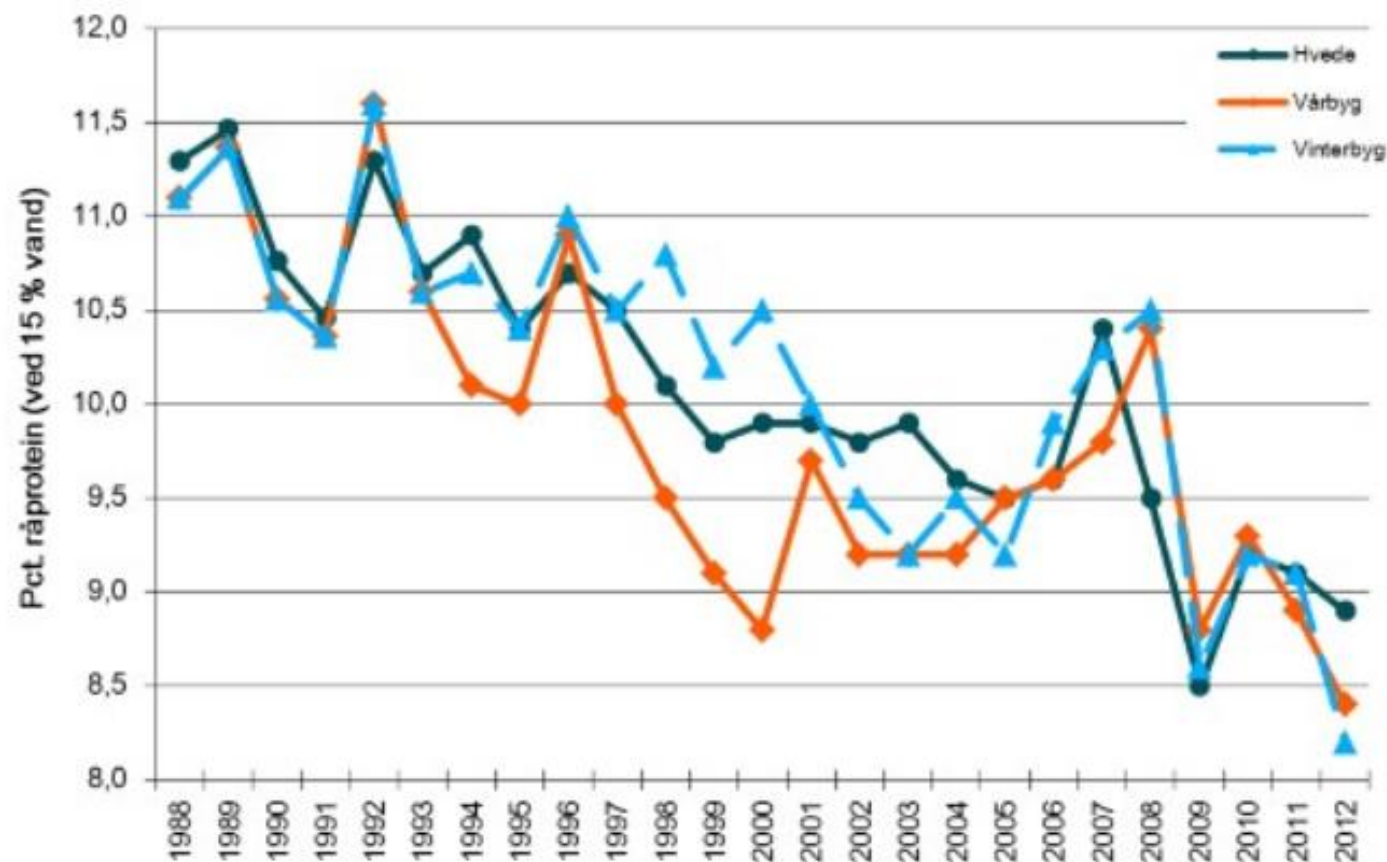
30 years of top down regulation



Utilization of N in animal manure



Protein content of cereals grown i Denmark



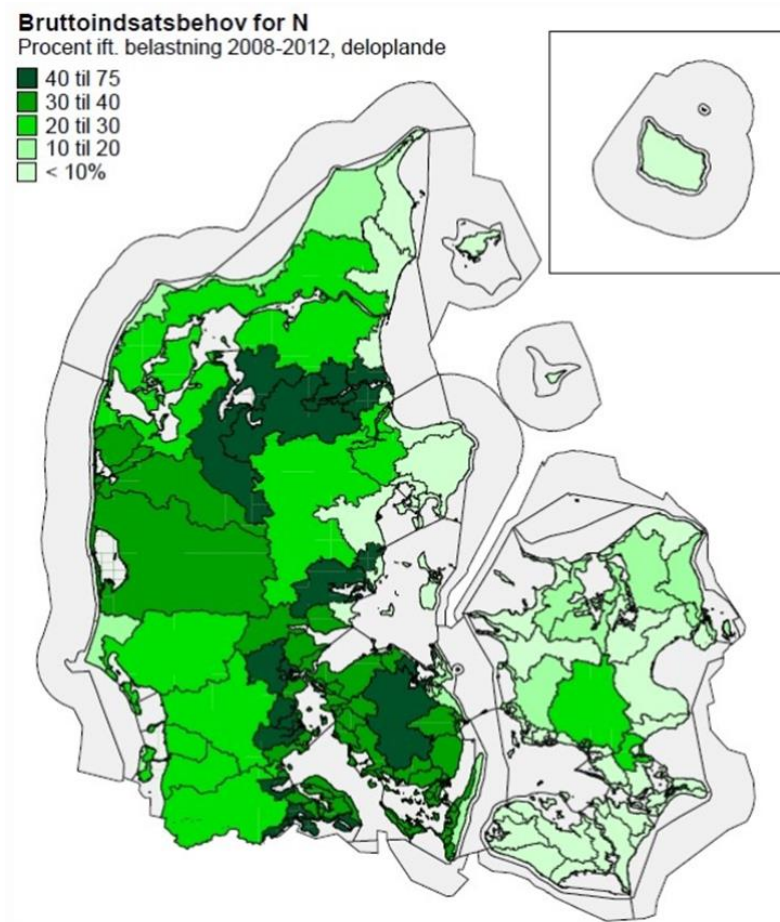
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WFD – calculated N reduction demands



Fra Erichsen m. fl., Vand og Jord, 2015

SEGES

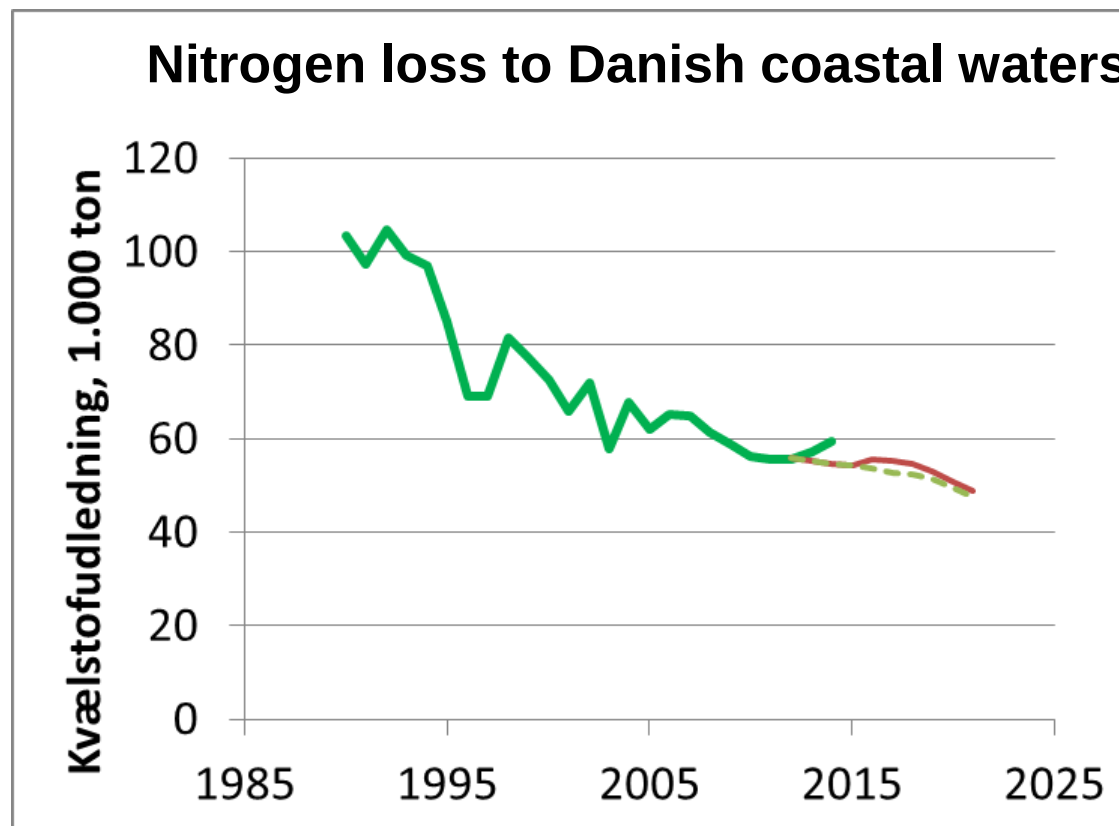


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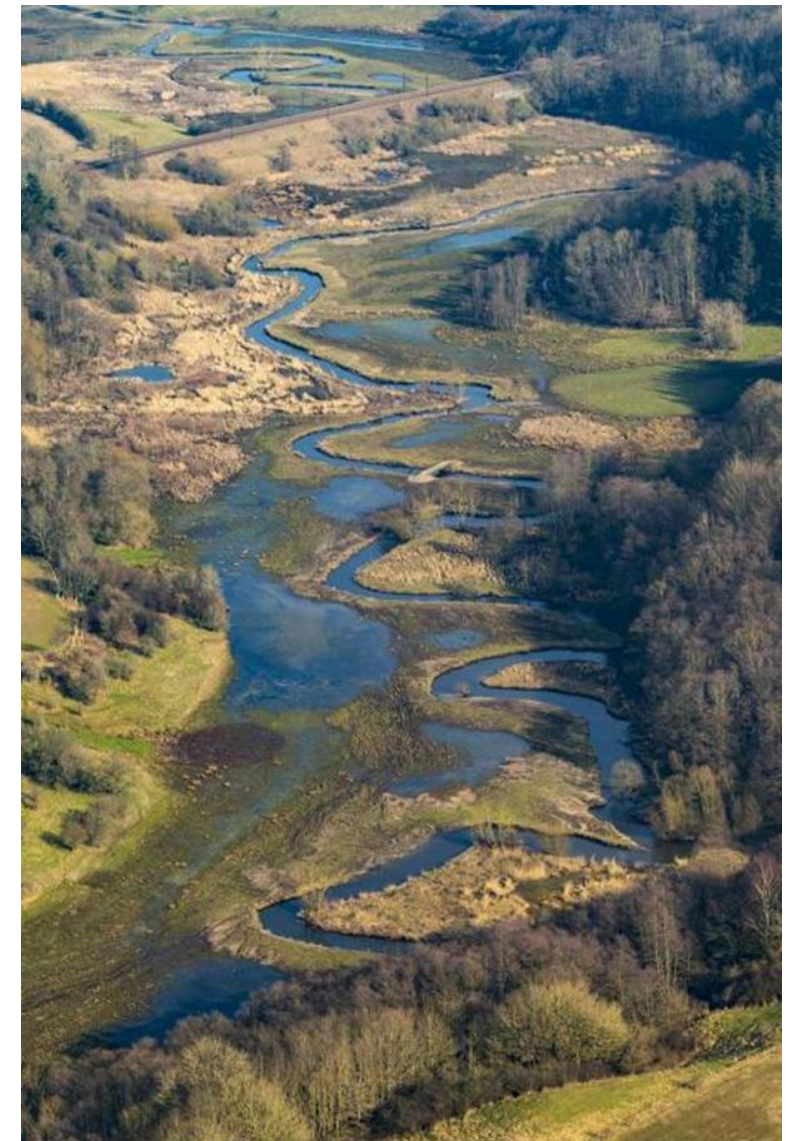
2015 Government decisions – shift in paradigm

- Economic optimal N norms



2015 Government decisions – shift in paradigm

- Economic optimal N norms
- More wetland restoration, forest, catch crops and constructed wetlands
- Targeted regulation



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Governance in future perspective

Going from top down regulation

- To more targeted regulation
- To more locally based water plans
- To more local participation and co-governance

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Governance in future perspective

- The role of water councils? (have so far worked only with streams)
- The role of “oplandskonsulenter”?

