



KØBENHAVNS UNIVERSITET



PhD-Project:

Costs and Benefits of improved Water Quality

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Dias 1



Cost benefits of N measures to improve surface water quality – (Research Component 4.2)

- What is the optimal water quality in a given catchment from a CBA viewpoint?
- How to proceed to cover the whole country, where local benefit analysis are not possible?
- How much can the costs of implementation be reduced if site specific N-reduction can be obtained?



Primary valuation study at Limfjorden and benefit transfer

Background

Disproportionate costs might be present at Limfjorden. Primary valuation is too costly to execute in all water catchments.

Objectives

- Obtain site specific benefit estimates from Limfjorden to be used in evaluation of disproportionate costs
- Improve the foundation of applied benefit transfer between Danish water catchments



Water Pricing

Background

According to article 9 in the WFD environmental and resource costs should be included in the water pricing policies

Objectives

- Estimate the resource costs of water usage
The costs of depleting the water resource beyond the natural rate of recovery
- Estimate the environmental costs of water usage
The costs of damage that water usage imposes on the environment



Spatial targeted regulation

Background

Regulation of N has so far been independent on the retention of the soil and the vulnerability of the water bodies in the specific area.

Objective

- To obtain more cost-efficient regulation by using site specific information in regulation
- Evaluate policy instruments in relation to site specific regulation



Focus right now...

- Improving skills in econometrics
- Teaching: 'Environmental Economics for Non-economists'
- Preparing the valuation study of Limfjorden
 - Internet based questionnaire
 - Willingness to pay
 - Preferences for improved water quality
 - ...
 - Input highly appreciated!!!



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transfer Water Pricing Regulation Cost-Benefit
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