

# CAN AGRICULTURAL ECONOMICS, HUNTING AND NATURE CONSERVATION INTERESTS BE COMBINED?

- APPROACH TAKEN IN DANISH CASE STUDY

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# THANKS

## Colleagues and partners:

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Louise Lund, VKST

## Reference group:

National Nature Agency  
Guldborgsund Municipality  
VKST  
SEGES  
Danish Hunters' Association  
Danish Ornithological Society  
SEGES  
Aarhus University

## Funding bodies:

National Environment Agency



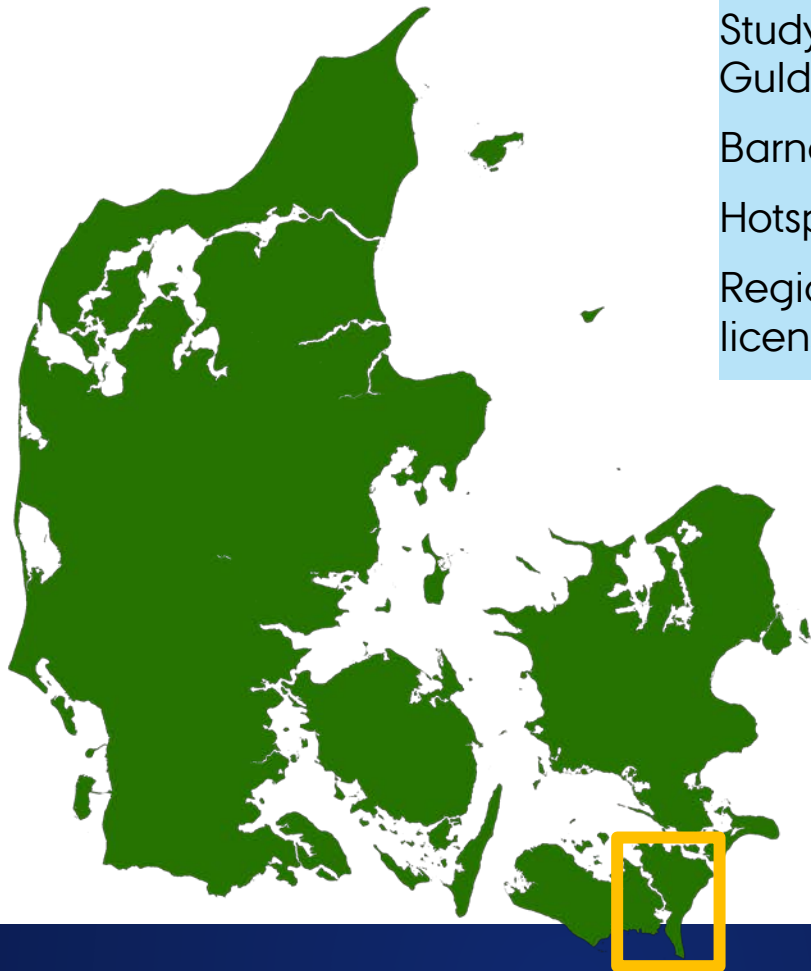
Miljøministeriet  
Miljøstyrelsen

15. Juni Fonden



15. Juni Fonden

And a special thanks to landowners and hunters in the area



Study area:  
Guldborgsund Municipality, SE Denmark  
Barnacle geese are newcomers  
Hotspot for agricultural conflict  
Region with highest level of derogation  
licenses issued



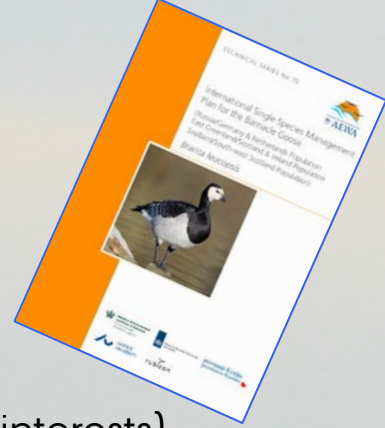
Magnus Elander

# Purpose of project (February 2019-May 2021):

Taking a transdisciplinary and adaptive approach to analyse:

- What's the problem? (perceptions versus facts)
- Possible management actions and their effects
- Options for collaborative actions (across property boundaries and interests)
- Supporting implementation of a locally anchored 'sustainable' management model

An activity in the Danish implementation of the EGMP ISSMP for the Barnacle Goose





Sugar beet remains – an attractive food source

Testing a 'stick-and-carrot' approach to managing the conflict

Based on agreements with landowners and hunters to participate in field experiments, adjusting field practises, scaring efforts and hunting



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# EXPERIMENTALLY STEPPING UP SCARING TYPES

## IS LETHAL SCARING MORE EFFECTIVE?

### 0. No scaring

– All winter wheat fields



### 1. Passive scaring

– All winter wheat fields



### 2. Laser and visual scaring

– All winter wheat fields



### 3. Acoustic scaring

– Not winter cereal fields adjacent to accommodation areas



### 4. Lethal scaring

– Not winter cereal fields adjacent to accommodation areas



# SALT MARSHES: AN OVERLOOKED RESOURCE

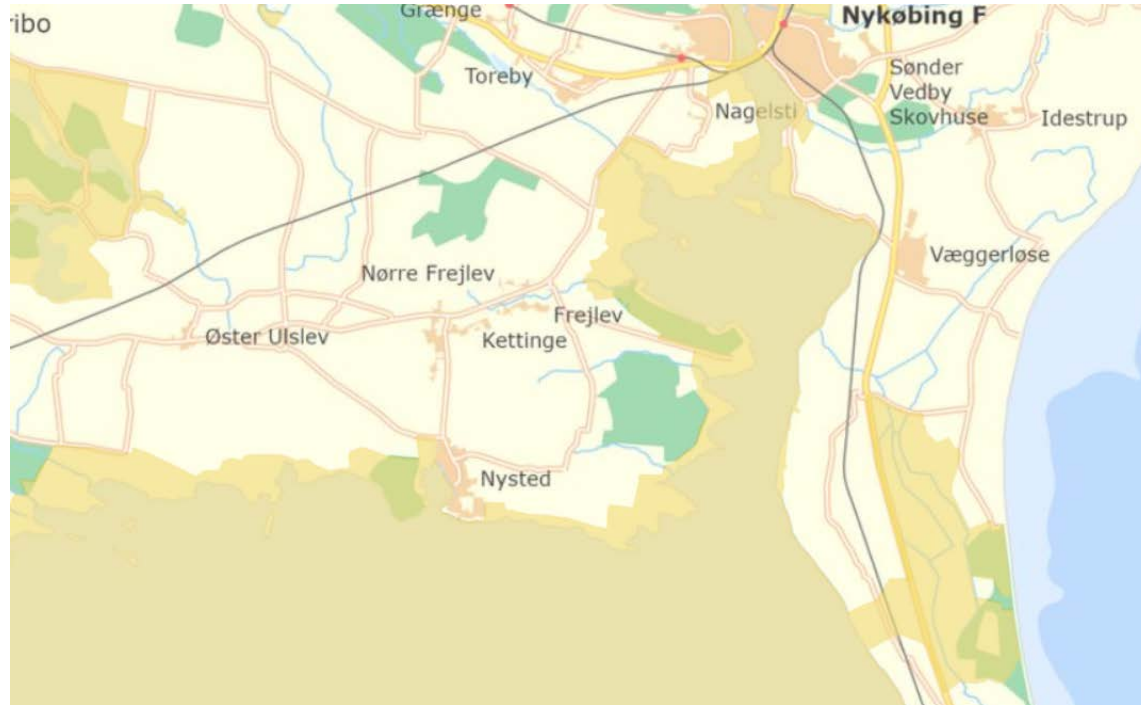


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# NATURA 2000 ACTION PLANS: A USEFUL INSTRUMENT





# NATURA 2000 ACTION PLAN OBJECTIVES: RESTORATION



# BALANCING BIODIVERSITY AND GOOSE OPTIMA



Photos: Anita Pedersen



# SALT MARSH RESTORATION HAS STARTED



# SUMMING UP EXPERIENCES

- Landowners, hunters, birdwatchers and authorities have been engaged
- We have jointly developed and adapted the research program
- All participants have learned as we went along
- Openings have emerged with regard to social willingness
- Ongoing process, needs stirring (and no shaking)
- Direct input to international management plan implementation

Current project will finish in early 2022 – follow-up to be decided