

AN EXPLORATIVE STUDY OF SUSTAINABILITY MANAGEMENT WITHIN PARTNERSHIPS BETWEEN HETEROGENOUS ACTORS: EXAMPLE FROM A DANISH CATCHMENT DOMINATED BY DAIRY FARMING

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DISPOSITION
THEMES

THE CONTEXT OF THE STUDY

THE CASE

RESEARCH QUESTIONS

THEORETICAL FRAMEWORK

ANALYSIS OF EMPIRICAL DATA (WHAT HAPPENED?)

DISCUSSION

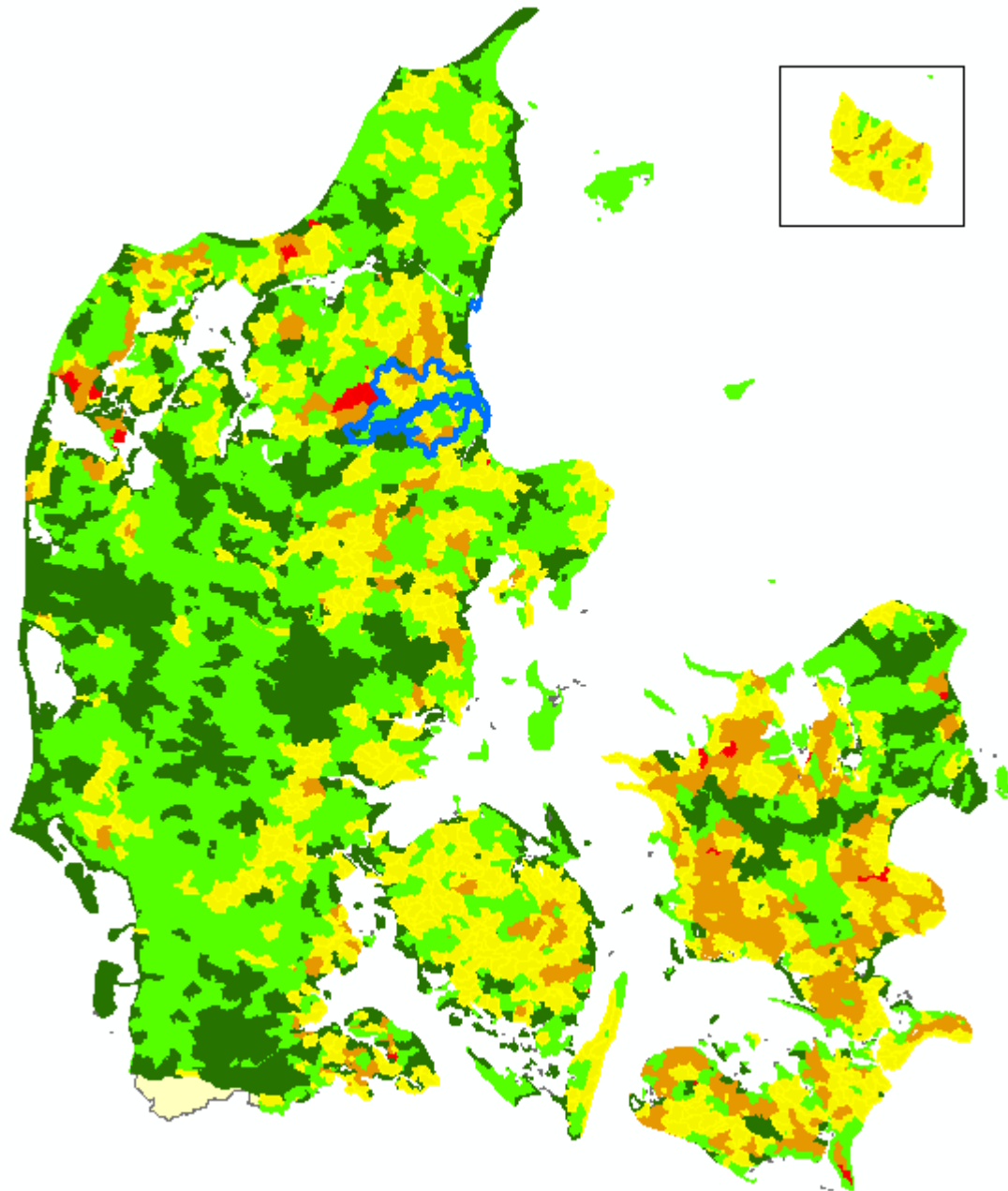
CONTEXT OF THE STUDY
MARIAGER FJORD, DENMARK



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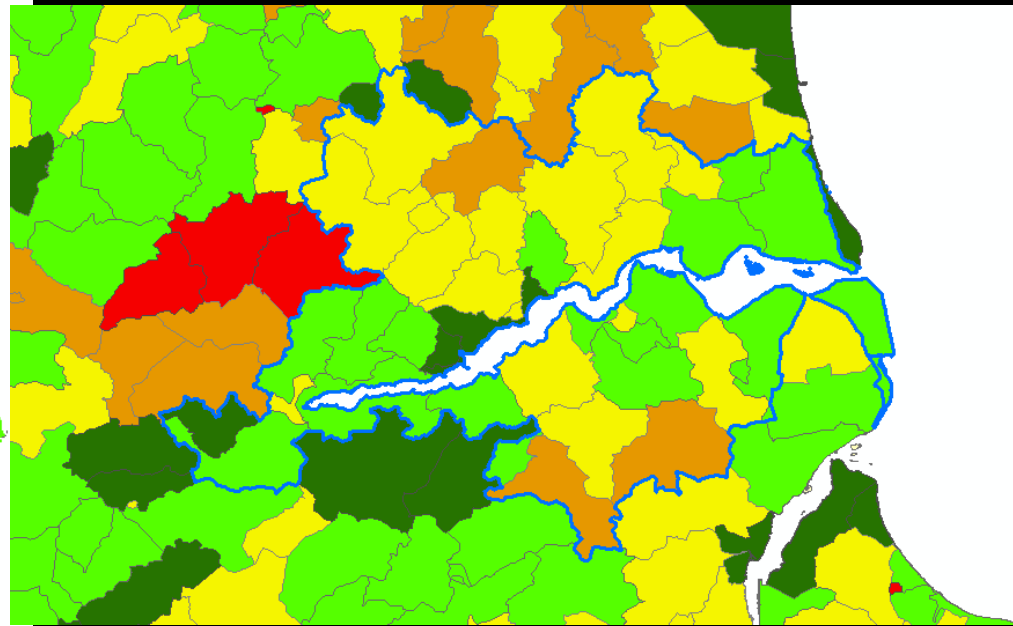
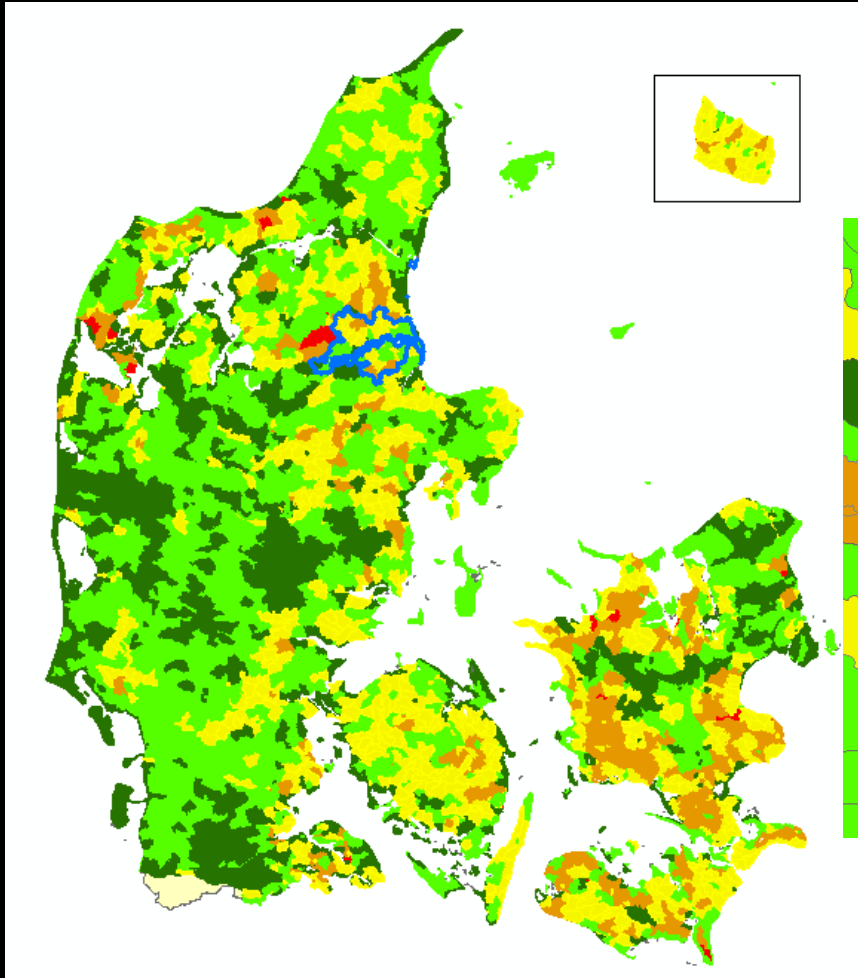
Legend

DK-retentionskort

RedTot

- < 20 %
- 20 - 40 %
- 40 - 60 %
- 60 % - 80 %
- > 80 %

CONTEXT OF THE STUDY
MARIAGER FJORD, DENMARK



THE CASE

LUNDGAARDS CREEK PARTNERSHIP

LOCAL PARTNERSHIP BETWEEN FARMERS, AGRICULTURAL
ADVISORS, REPRESENTATIVES FROM THE MUNICIPALITY
AND THE ENVIRONMENTAL AGENCY - ACTIVE IN THE PERIOD 2009-2011

GOAL: TO CONSTRUCT MEASURES
WHICH SHOULD IMPROVE THE
ENVIRONMENTAL STATUS OF
MARIAGER FJORD

SUSTAINABLE DEVELOPMENT:

THE ONGOING PROCESS OF INTERACTIONS
BETWEEN DIFFERENT KNOWLEDGES, THROUGH
THE CONSTRUCTION OF MEASURES, WHICH ARE
CONTINUOUSLY MONITORED WITH REGARDS TO THEIR EFFECT
ON THE SOCIAL AND ECOLOGICAL ENVIRONMENT

RESEARCH QUESTIONS

LUNDGAARDS CREEK PARTNERSHIP

(1) LACK OF SUSTAINABLE DEVELOPMENT?

(2) HOW DOES THE PROCESS PLAY OUT?

(3) WHICH BARRIERS AND OPPORTUNITIES EMERGE?

THEORETICAL FRAMEWORK

**SOCIAL LEARNING: FROM COMMUNITIES OF
INTEREST TO COMMUNITIES OF PRACTICE**

**ADAPTIVE CO-MANAGEMENT: FROM PASSIVE TO
ACTIVE EXPERIMENTATION**

**PICKERING: 'THE MANGLE' - THE AGENCY
OF INSTRUMENTS AND MODELS**

ANALYSING DATA

LUNDGAARDS CREEK PARTNERSHIP

**AUDIO RECORDING; FIELD NOTES;
INTERVIEWS; FULL TRANSCRIPTION**

**GROUNDING ANALYSIS USING
CODES SUCH AS 'BARRIER', 'OPPORTUNITY', 'INSTRUMENTS'**

**NARRATIVE OF THE PROCESS
IN CHRONOLOGICAL ORDER**

WHAT HAPPENED?

OPPORTUNITY:

WILLOW AS ALTERNATIVE TO CATCH CROPS

BARRIER:

WILLOW NOT A VARIABLE IN NATIONAL
NITRATE LEACHING MODELS

(NATIONAL ENV. AGENCY, NATIONAL ADVISORY SERVICE, MUNICIPALITY)

OPPORTUNITY:

WILLOW AS ENERGY CROP

WILLOW AS PERENNIAL CROP

BARRIER:

NO DETAILED RETENTION MAP

(NATIONAL ENV. AUTHORITY + NATIONAL ADVISORY SERVICE)

OPPORTUNITY:

WILLOW AS ALTERNATIVE TO CATCH CROPS,
PLUS BEDDING FOR COWS

BARRIER:

LOCAL ADVISOR DISMISSAL DUE TO LACK OF EXPERIMENTS;
POSSIBLE DIFFICULTIES WITH REGARDS TO FINANCING

DISCUSSION

LOCK-IN?

POWER

REFLEXIVITY

KNOWLEDGE + COMPLEXITY