

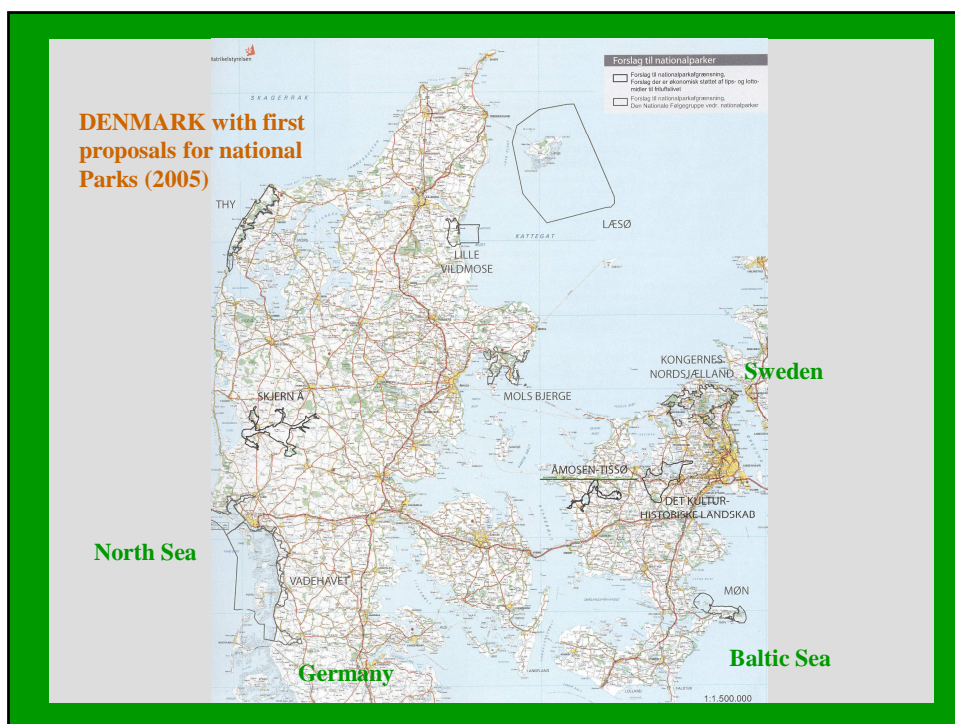
*Management of Biodiversity and
Landscapes; Estonia, May 2010*

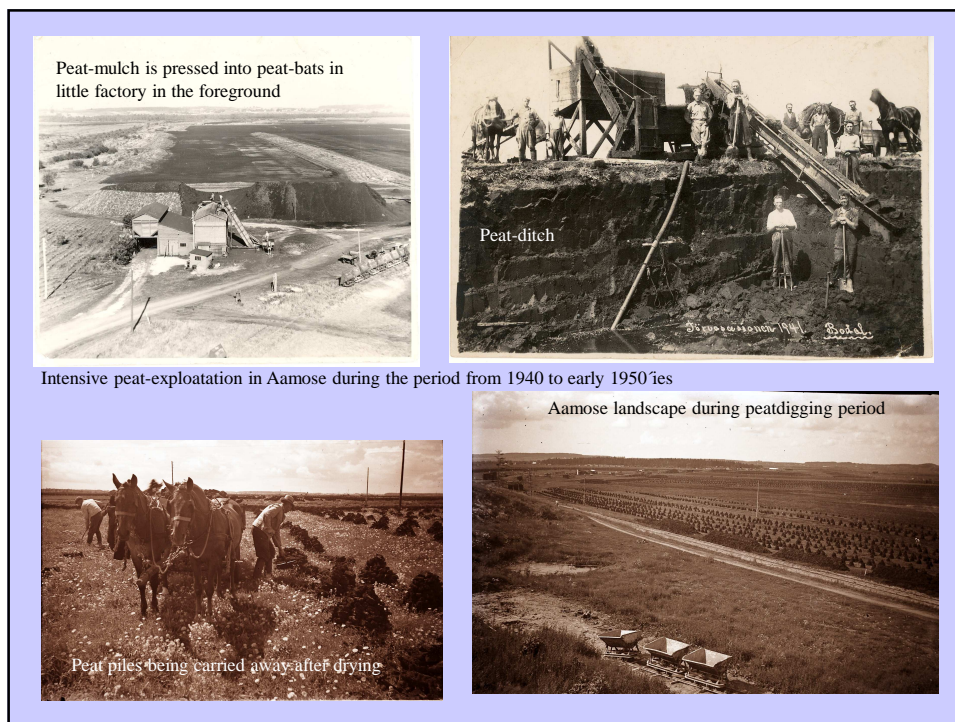
**Restoring fen and moor in
Aamose , Denmark
after peat digging and
drainage**

A project at Roskilde University
for Zealand Region 2007-



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3 Institutes involved:
a. Nature, Systems and Models,
b. Environment and Spatial Change
c. Communication and Performance
Design





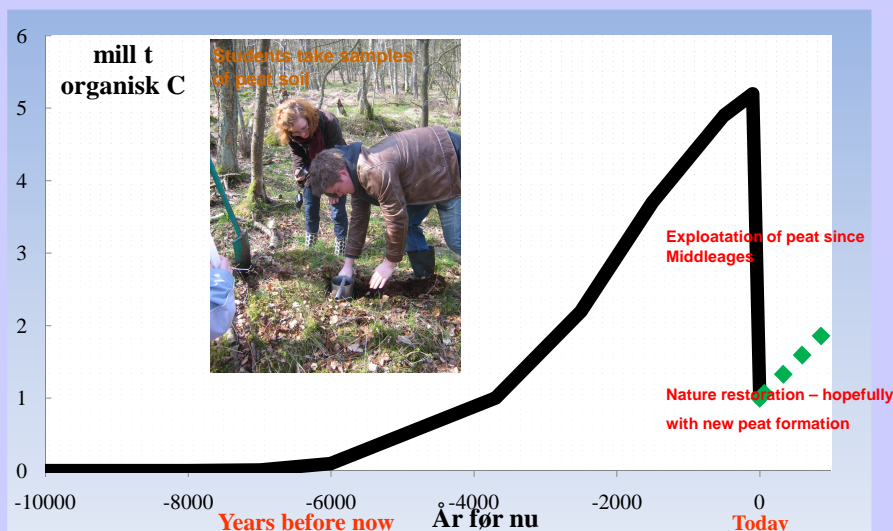


10.11.08: Drilling for a peat sample in one of the relatively well preserved boggy areas in Aamose



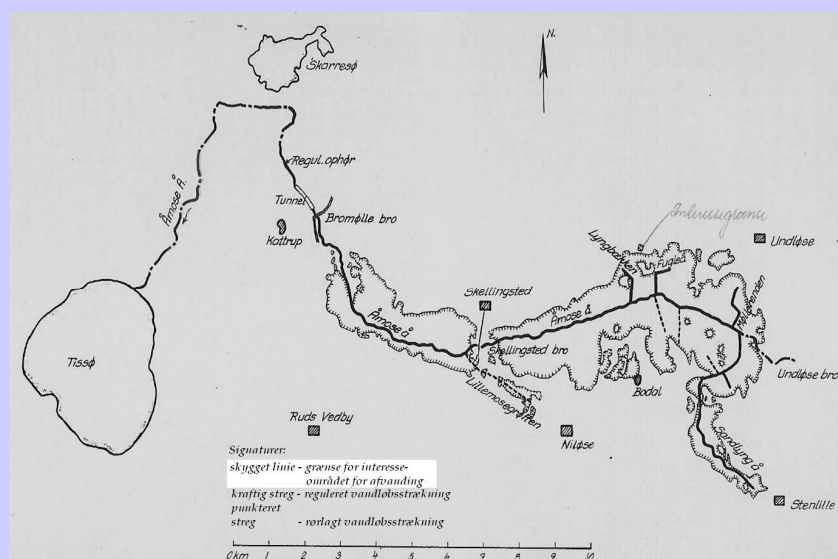
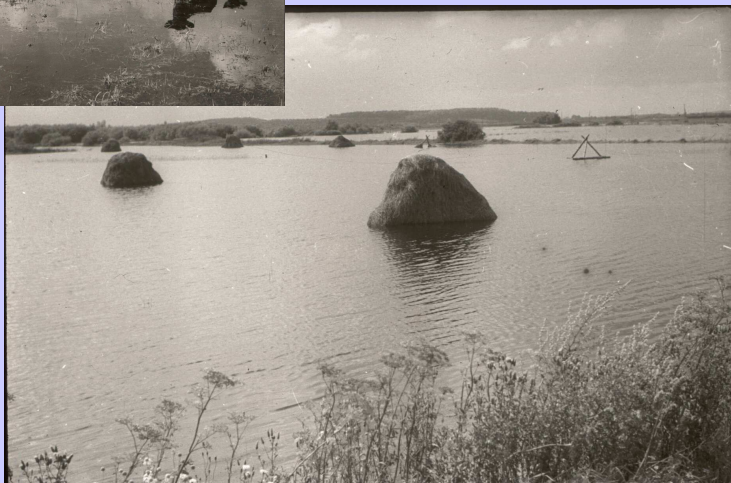
A soil-geographer looking for shifts in the colour and structure of peat through a peat-sample

Organic carbon stored in Aamose since 10.000 b.C.

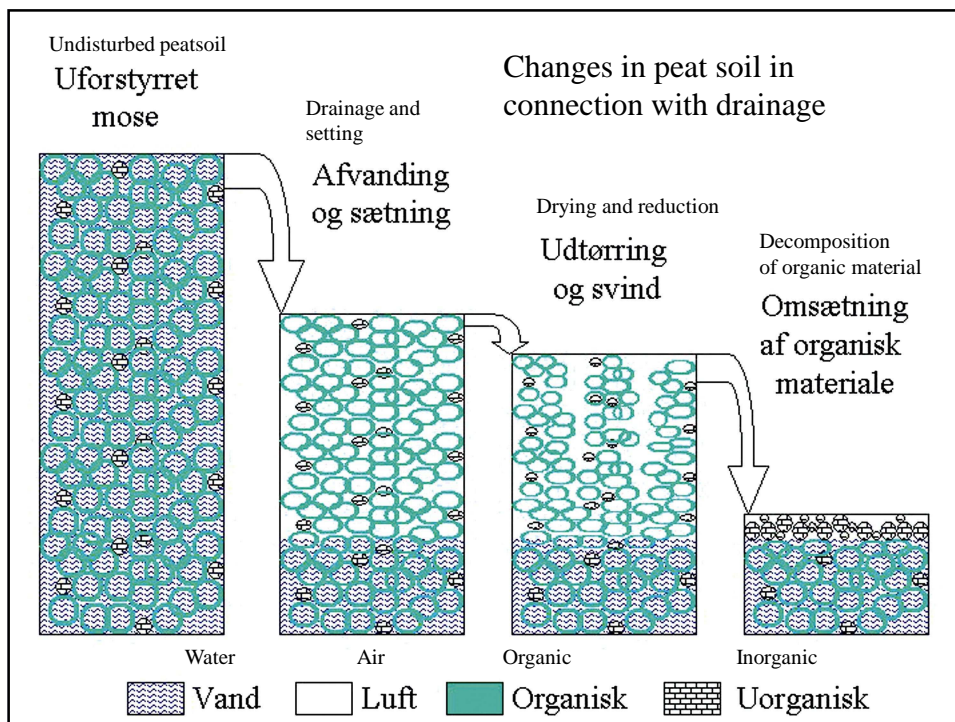




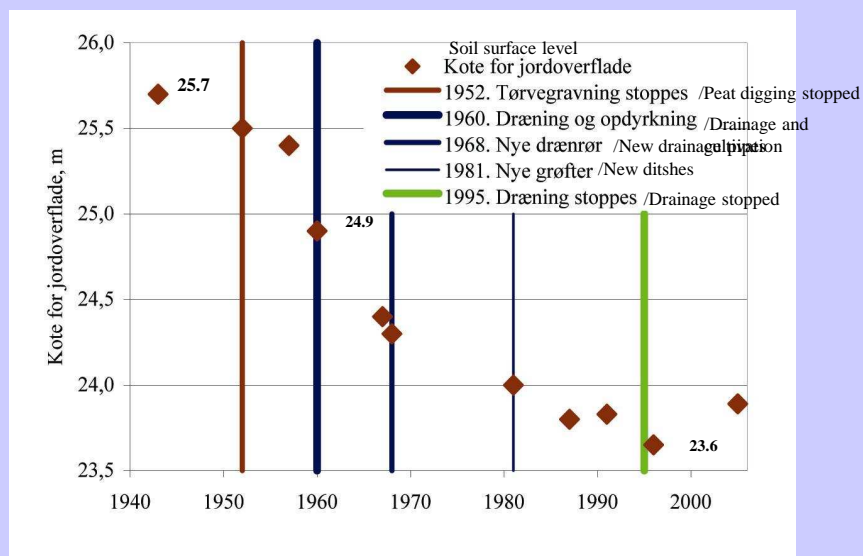
Wet summers in Aamose in 1950'ies – owners wanted further drainage!

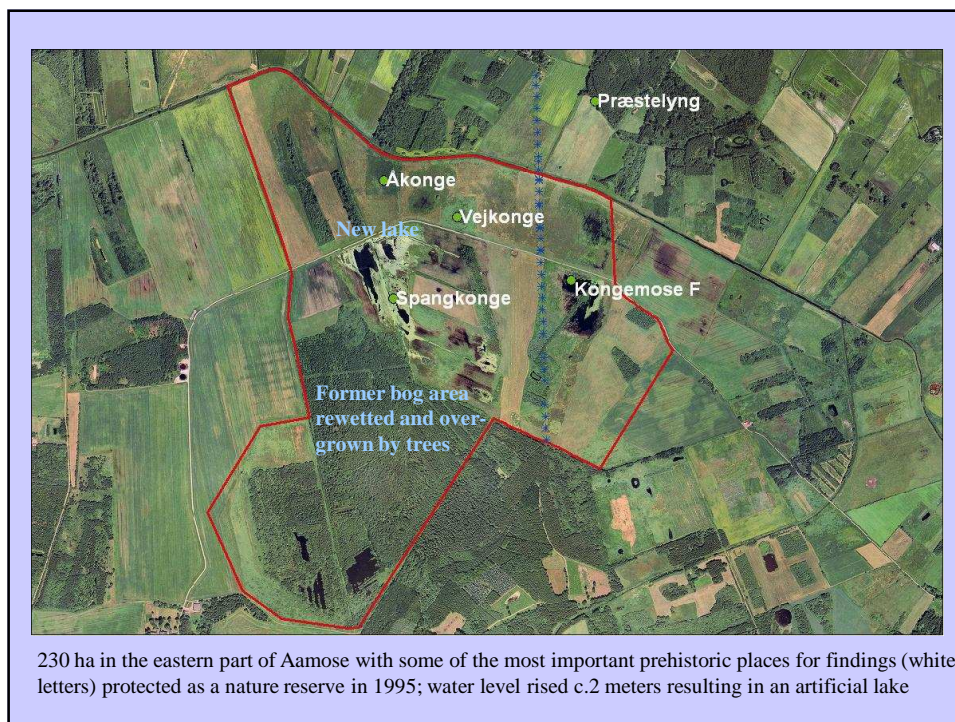


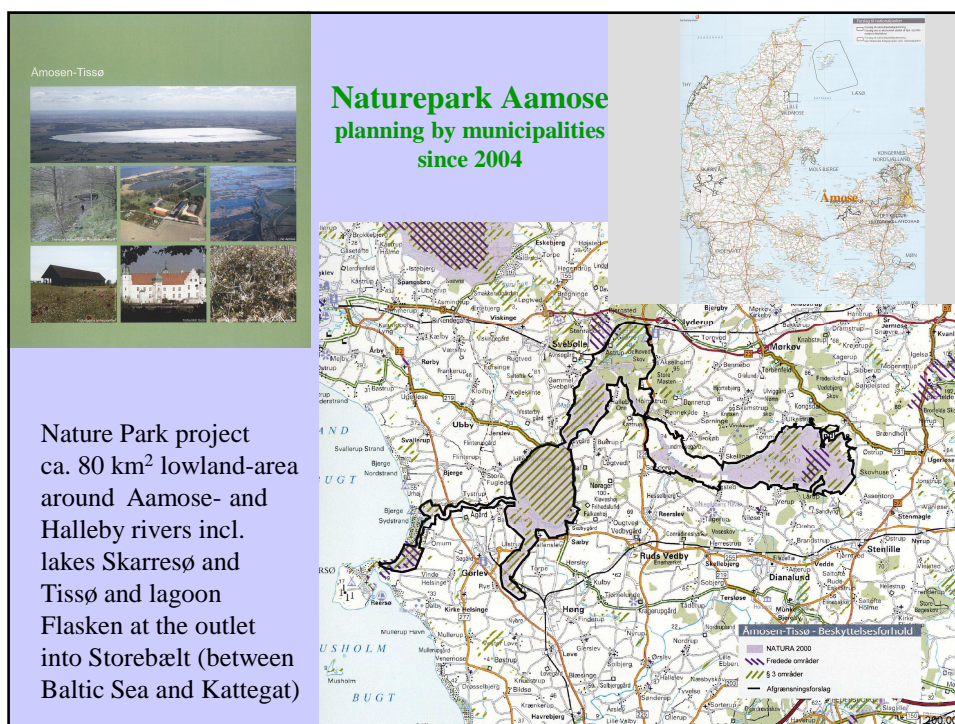
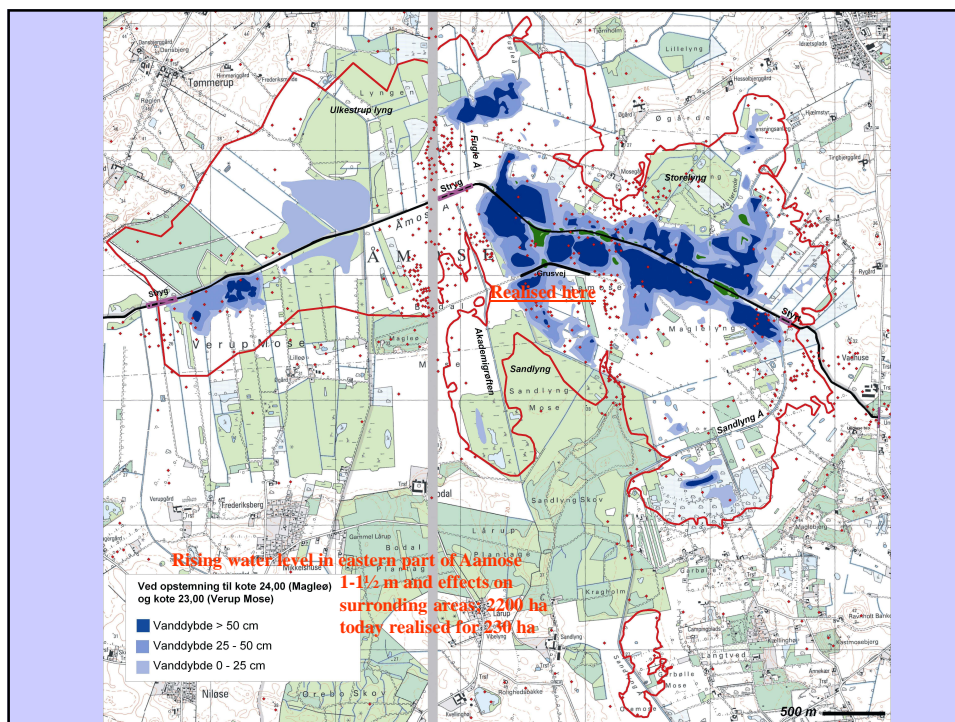
Map showing total drainage project area in Aamose 1957-61

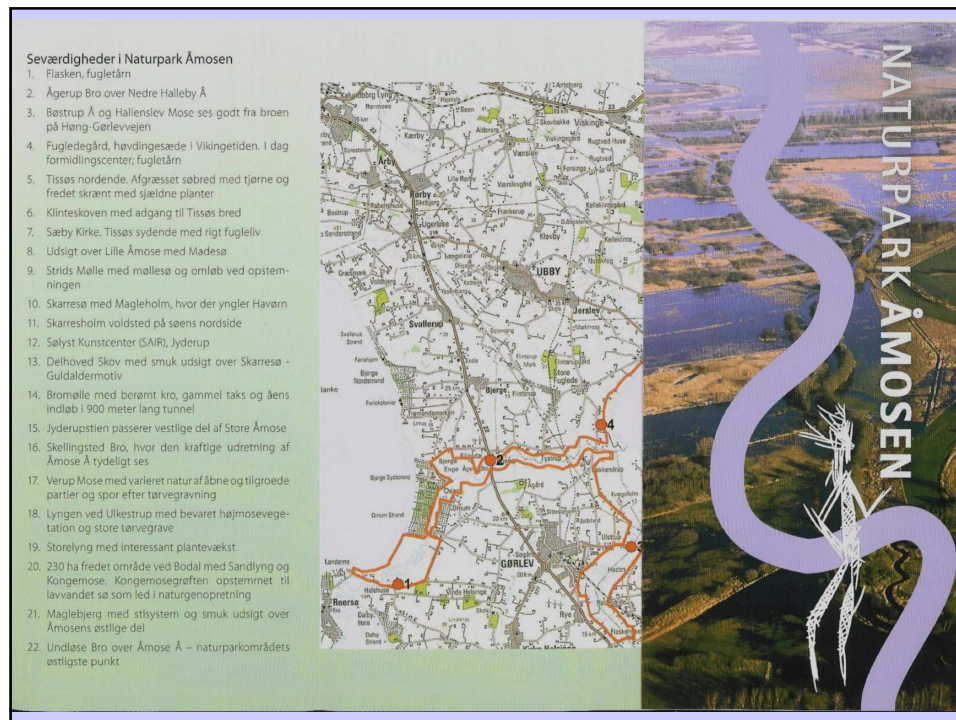


Setting of soil surface in Aamose after peat digging and drainage









Conclusions from wetland restoration in Aamose

- In the restoration plan for Aamose and the realized 230 ha, former bog areas are *not* flooded with river water rich in nutrients
- Even if original nature types are not immediately restored, low water lakes and swamps are a.o. favorable for bird life
- Rised water level means, that drainage draught is lowered. Thus moisture is better kept in peaty soils, which again gives better conservation conditions for prehistoric remains in peat
- Restoration of bog-nature is expensive, technically difficult and takes long time
- Factors like atmospheric of N will still be working despite rised water level
- Fens will typically be somewhat easier to restore with a suitable harvesting and grazing regime
- Essential to keep remains of valuable nature types in a favo-rable conservation condition and work to expand from these
- Restoration of water level must be followed up by grazing or hay-harvesting regimes



**Thank you for listening
– any questions?**

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