

Mosser i naturtypeovervågningen: lysåbne naturtyper og skov

af Irina Goldberg, Aglaja



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Karasteristiske mosarter for de våde habitat- naturtyper (på nær højmoser)

Rigkær – 7230

Cinclidium stygium

Tomentypnum nitens

Kildevæld - 7220

Bryum pseudotriquetrum

Cratoneuron filicinum

Hamatocaulis vernicosus

Limprichtia cossonii

Limprichtia revolvens

Palustriella commutata

Palustriella falcata

Philonotis calcarea

Catoscopium nigratum

Eucladium verticillatum

Palustriella decipiens

Hymenostylium recurvirostrum

Hængesæk – 7140

Calliergon giganteum

Campylium stellatum

Limprichtia revolvens

Scorpidium scorpioides

Aneura pinguis

Sphagnum angustifolium

Sphagnum cuspidatum

Sphagnum fimbriatum

Sphagnum papillosum

Sphagnum riparium

Sphagnum subsecundum

Mosarter der er med til at indikere de våde habitat-naturtyper

Rigkær – 7230

Kildevæld - 7220

Hængesæk – 7140

Bryum pseudotriquetrum

Paludella squarrosa

Calliergonella cuspidata

Campylium stellatum

Ctenidium molluscum

Fissidens adianthoides

Limprichtia cossonii

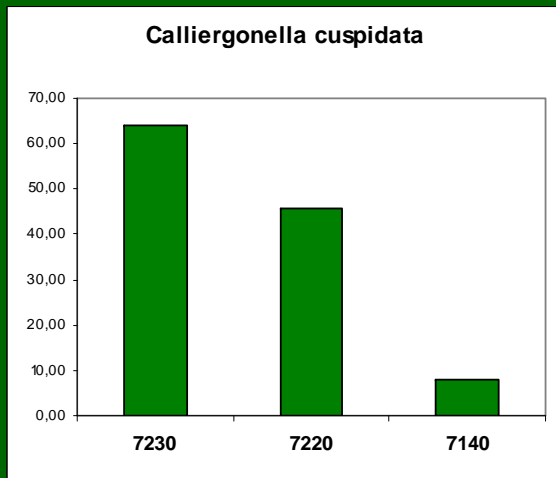
Limprichtia revolvens

Palustriella commutata

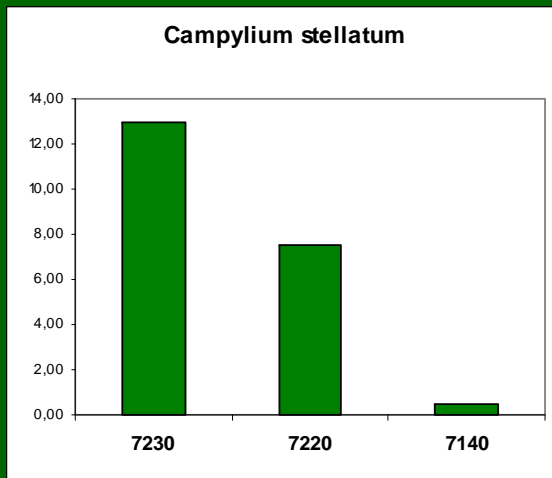
Hyppighed af bladmosarter i 7230, 7220 og 7140

Mosser er eftersøgt i **5968** prøvefelter i perioden 2004-2008

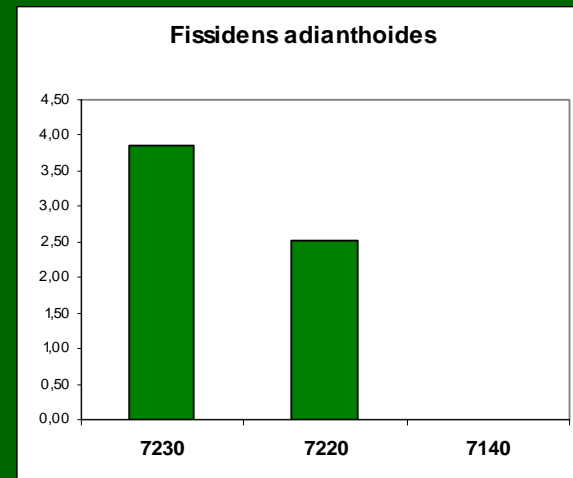
Art	Pct. felter	Antal felter	Art	Pct. felter	Antal felter
Calliergonella cuspidata	46,1	2749	Calliergon giganteum	3,2	193
Brachythecium rutabulum	31,7	1890	Mnium hornum	3,2	192
Aulacomnium palustre	15,1	901	Limprichtia cossonii	3,0	178
Plagiomnium ellipticum	13,7	820	Calliergon cordifolium	2,9	174
Plagiomnium undulatum	11,6	693	Palustriella commutata	2,6	157
Rhytidiadelphus squarrosus	11,5	684	Fissidens adianthoides	2,6	156
Campylium stellatum	8,7	519	Pleurozium schreberi	2,5	150
Brachythecium rivulare	8,2	492	Campylium polygamum	2,0	118
Climacium dendroides	8,0	479	Palustriella falcata	1,4	81
Cratoneuron filicinum	7,7	462	Ctenidium molluscum	1,1	68
Plagiomnium affine	7,7	461	Scorpidium scorpioides	1,0	58
Bryum pseudotriquetrum	7,0	416	Tomentypnum nitens	0,8	47
Polytrichum commune	6,8	404	Philonotis calcarea	0,7	44
Straminergon stramineum	6,1	363	Paludella squarrosa	0,3	16
Oxyrrhynchium praelongum	5,3	319	Hamatocaulis vernicosus	0,1	3
Plagiomnium elatum	5,2	308	Cinclidium stygium	0,0	1
Drepanocladus aduncus	4,6	273	Catoscopium nigratum	0,0	0
Hypnum cupressiforme	4,3	258	Limprichtia revolvens	0,0	0
Scleropodium purum	3,5	208			



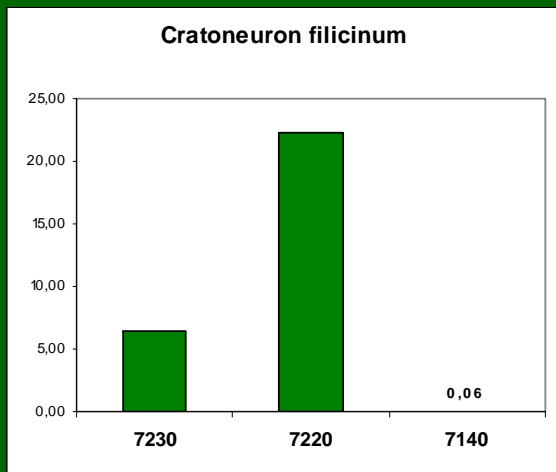
(7230)



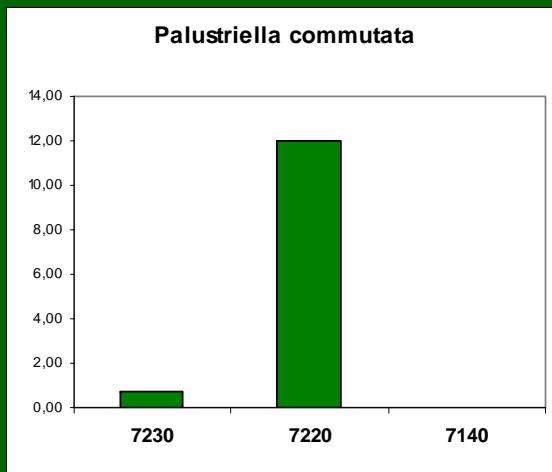
7140 (7230)



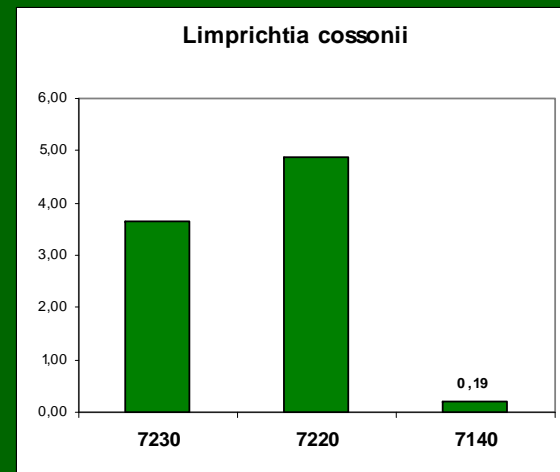
(7230)



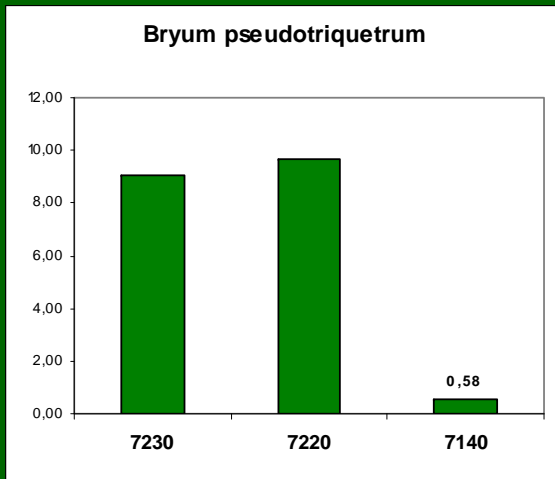
7220



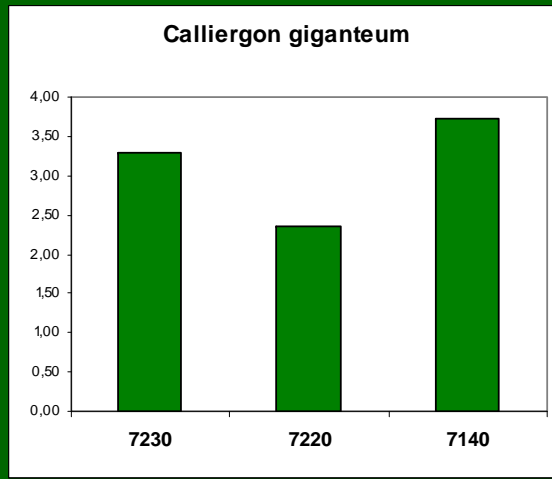
7220



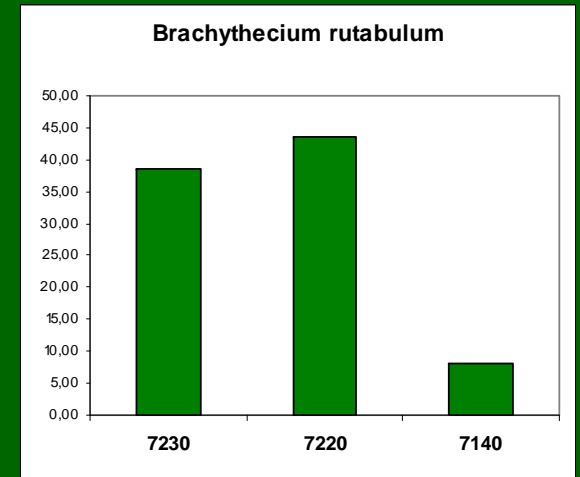
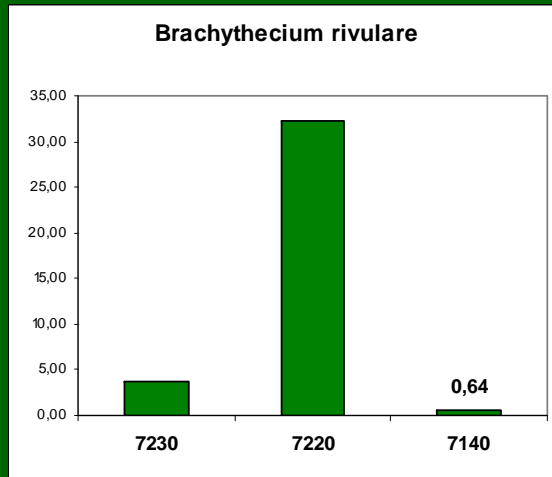
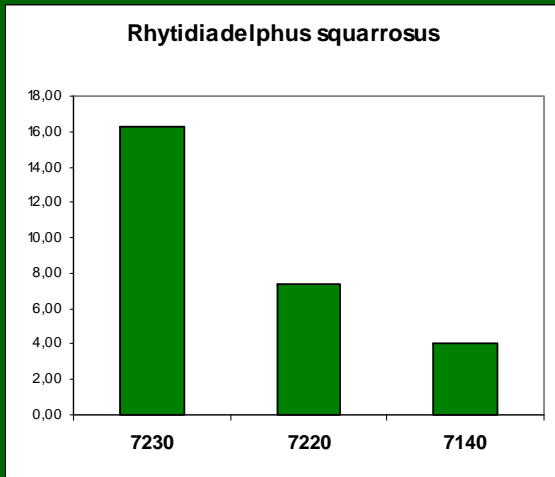
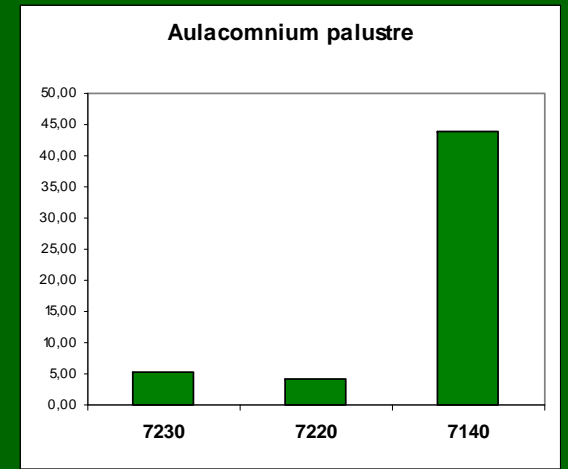
7220 (7230)

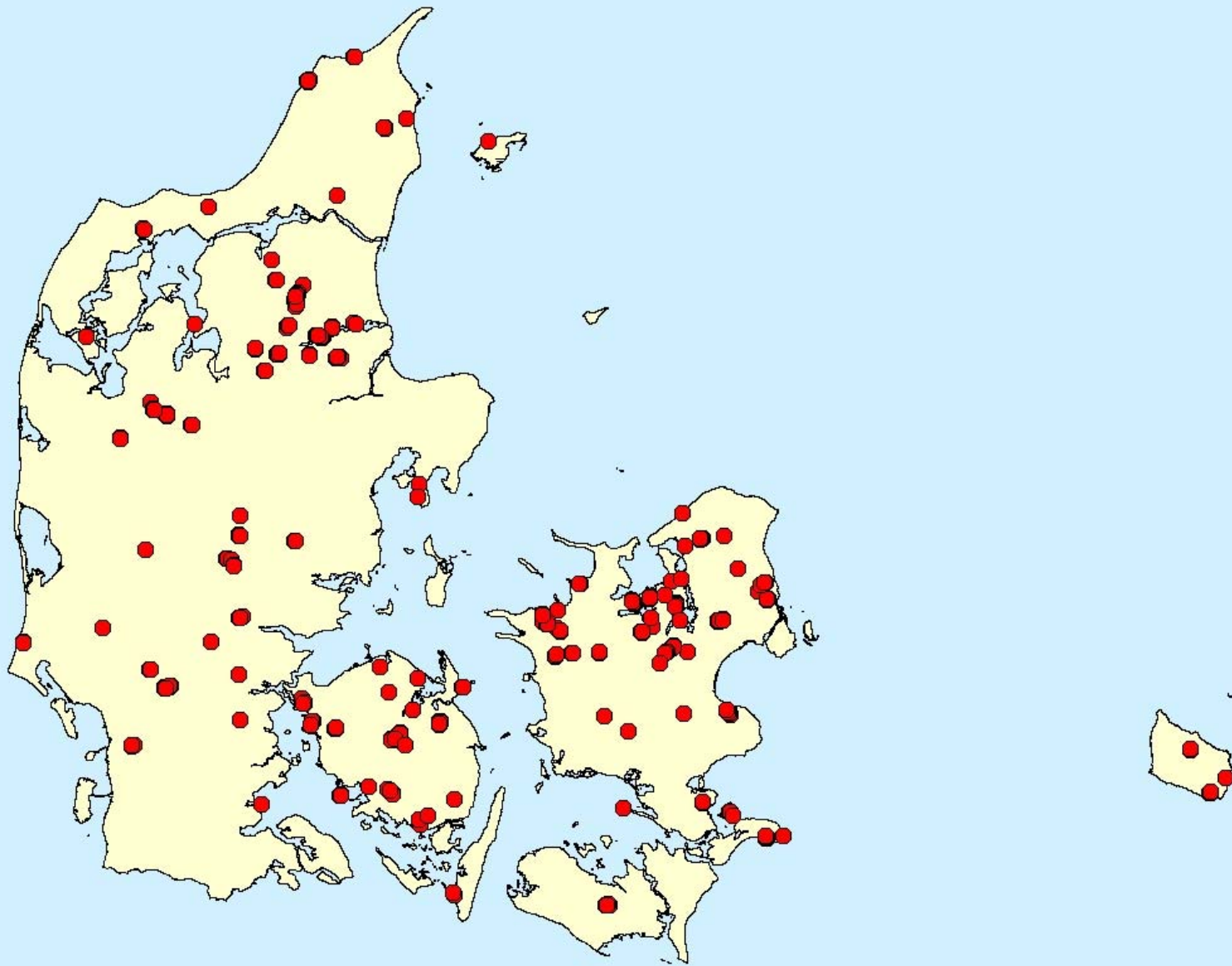


7220 (7230)

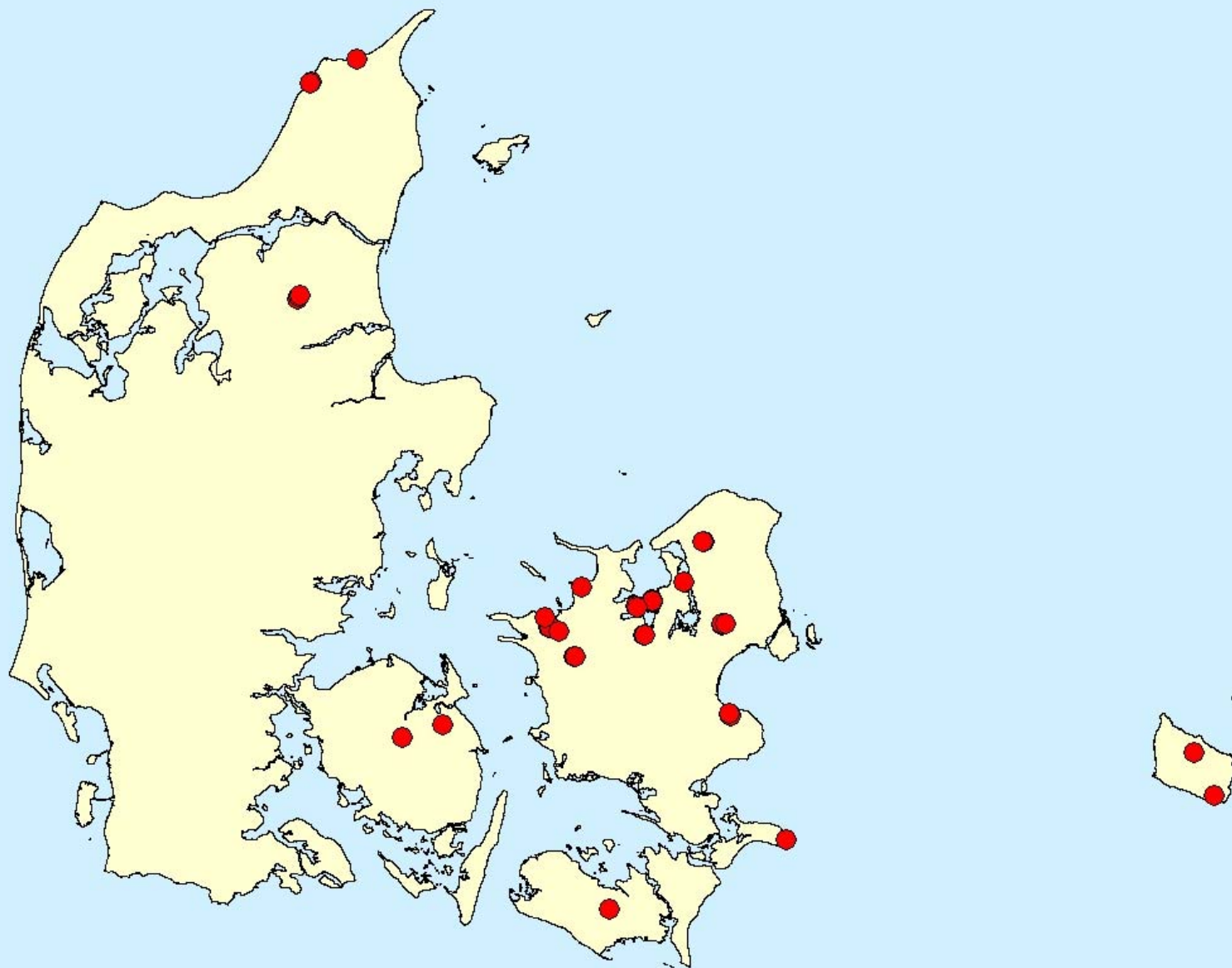


7140

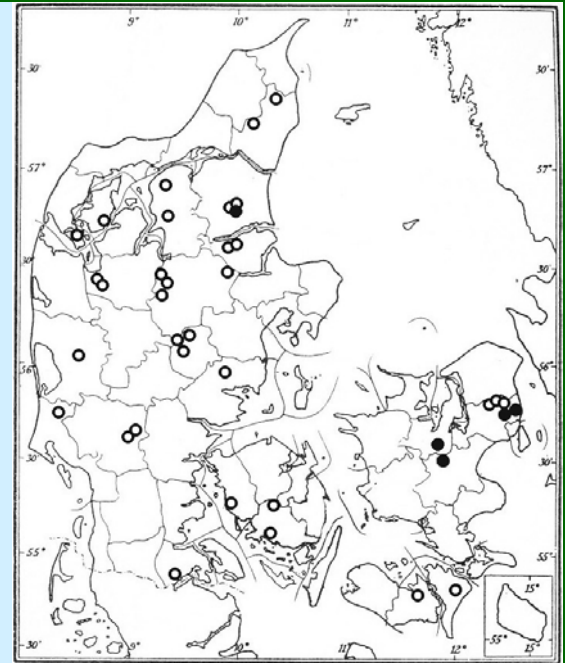
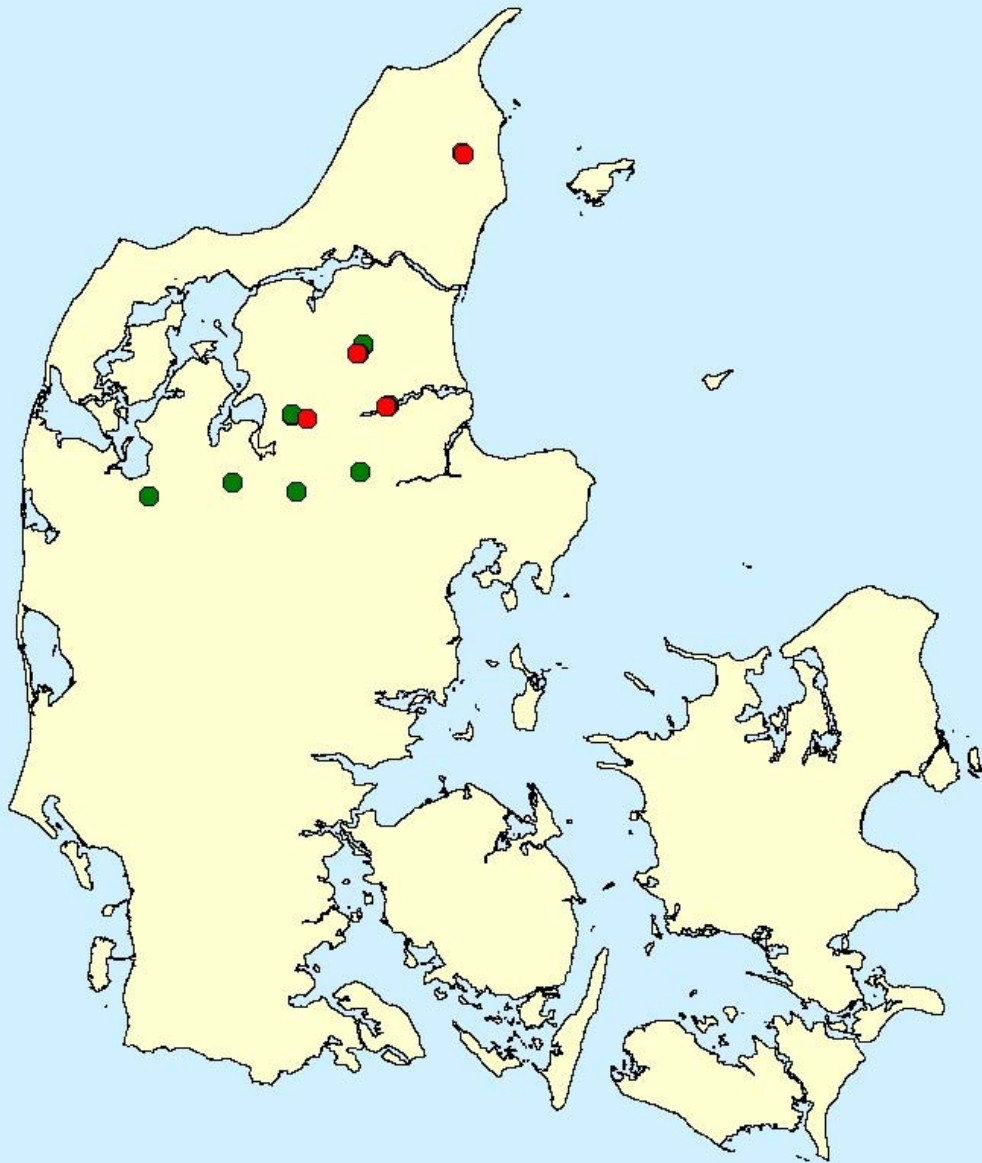




Calliergonella cuspidata

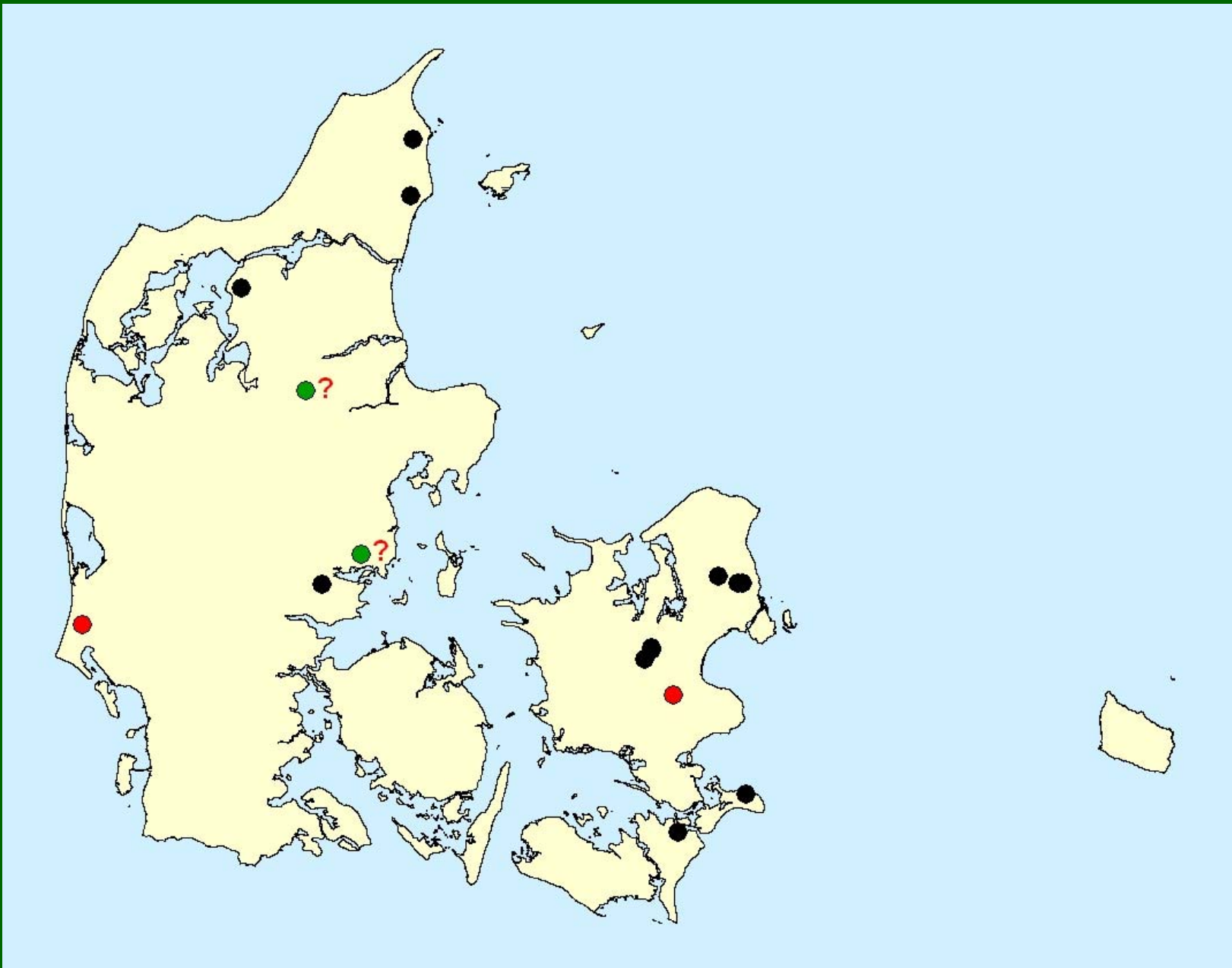


Fissidens adianthoides



Status 1959

Paludella squarrosa



Cinclidium stygium

Undersøgelse af arternes økologi

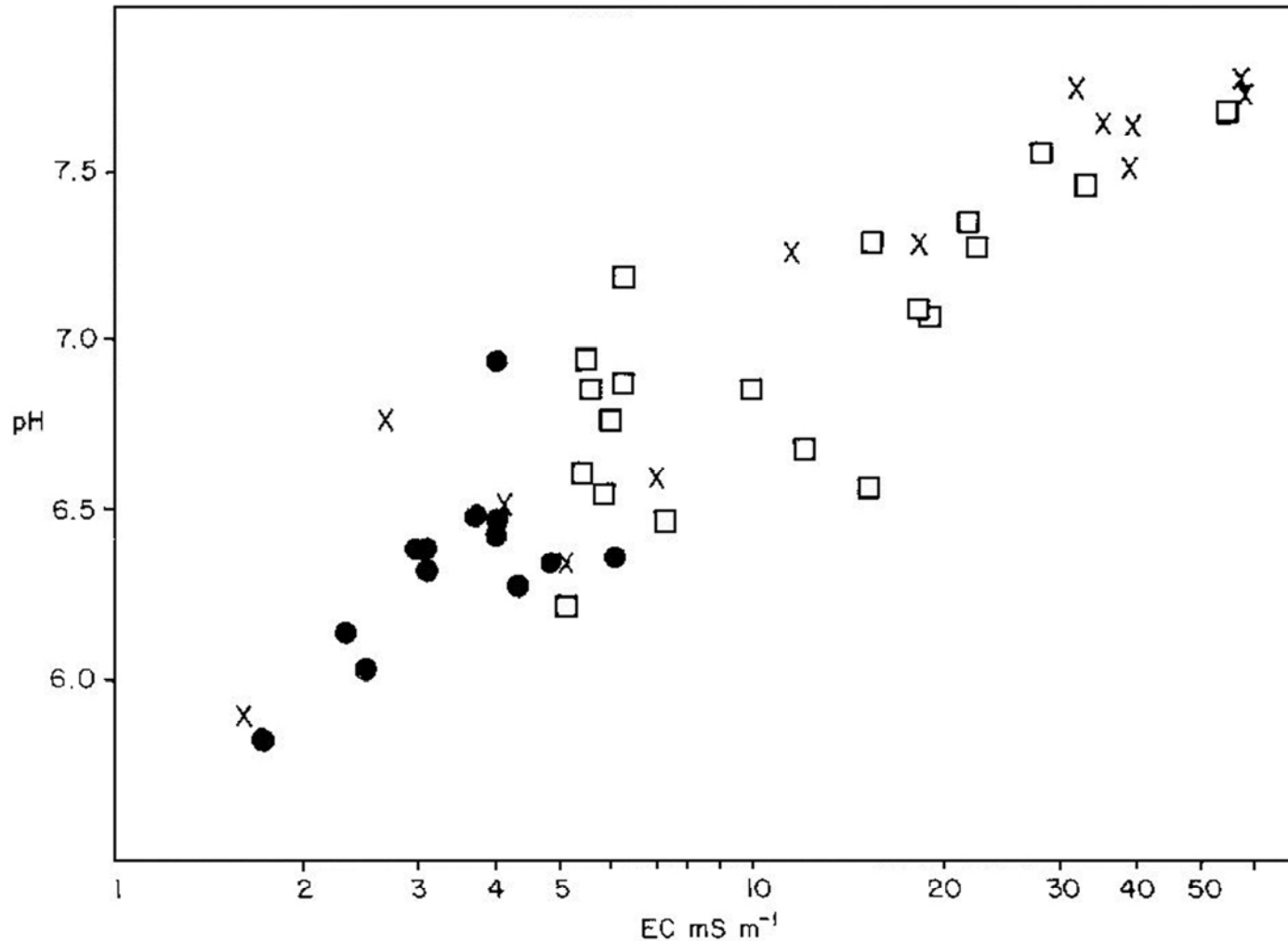


Fig. 3. The distribution of the *Scorpidium* species in relation to pH and conductivity. □, *S. cossonii*; ●, *S. revolvens*; ×, *S. scorpioides*.

Kooijman & Hedenäs (1991): pH og ledningsevne for 3 *Scorpidium*-arter

Forslag til ændringer i den tekniske anvisning

- 1) Listen over karakteristiske arter revideres.
- 2) Tørvemosser bestemmes på artsniveau i 7220, 7230, 7120 og 4010 (7050, 2190?).
- 3) Bladmossier bestemmes på artsniveau i 7110, 7120 og 4010.
- 4) Dækningsgrad af tørvemosser angives i 7110 og 7120 som en positiv struktur.
- 5) De sjældne arter (fx *Cinclidium stygium*, *Hamatocaulis vernicosus*, *Helodium blandowii*, *Limprichtia revolvens*, *Paludella squarrosa*, *Tomentypnum nitens*, *Sphagnum affine*, *Sphagnum contortum*, *Sphagnum platyphyllum*, *Sphagnum warnstorffii*) angives på stationsskemaet på linje med Kategori 2 karplanter.



Registrering af mosser i DEVANO-kortlægning

Naturtype	Karplanter	Bladmosser	Tørvemosser
7110	10,0	3,6	4,4
7120	10,8	5,9	2,9
7140	13,9	5,0	4,3

Gennemsnitligt antal af karplante- og mosarter samt artsindeks: Udvalgte prøvsteder fra 4 NOVANA-stationer på Sjælland: Holmegaards Mose, Skidendam, Ulkestrup Lyng og Kattehale Mose.

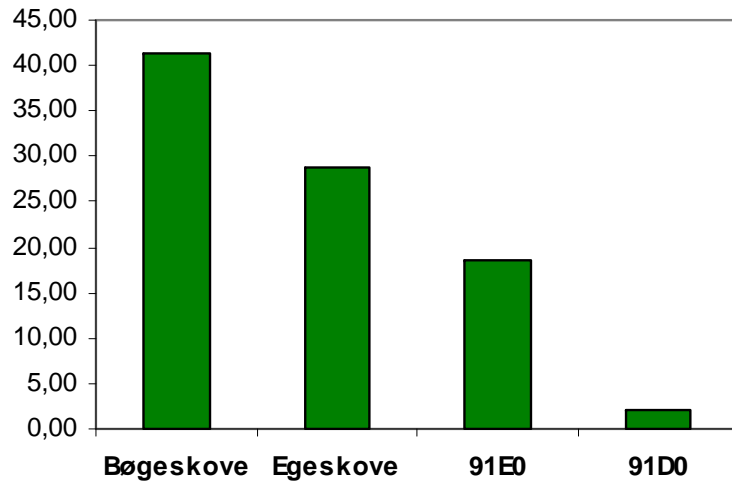


SKOVE: Indikatorarter

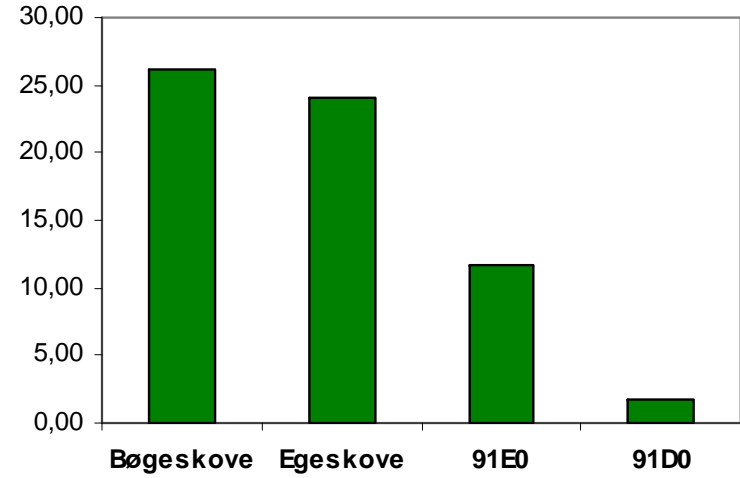
Indikatorart	Habitattyper *	Ikke habitatype / Ikke skov
Isothecium myosuroides	28,26	14,36
Isothecium myurum	19,57	7,53
Homalothecium sericeum	5,19	2,98
Neckera complanata	4,55	1,23
Porella platyphylla	1,63	0,18
Rhytidiadelphus loreus	1,52	0,53
Zygodon spp.	1,24	0,53
Plagiochila asplenioides	0,19	0,18
Antal prøvelfelter (2007-2008)	4661	571

* Uden 2180 (i alt 455 prøvelfelter), hvor der er fundet *Homalothecium sericeum* og *Porella platyphylla* i hhv. 1 og 2 felter.

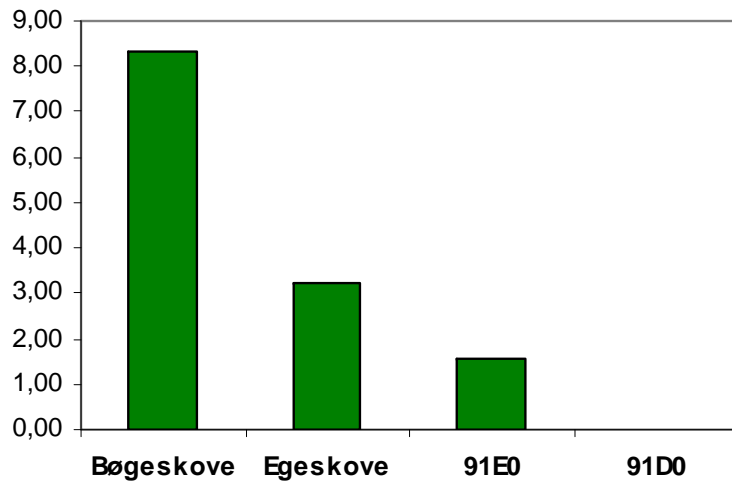
Isothecium myosuroides



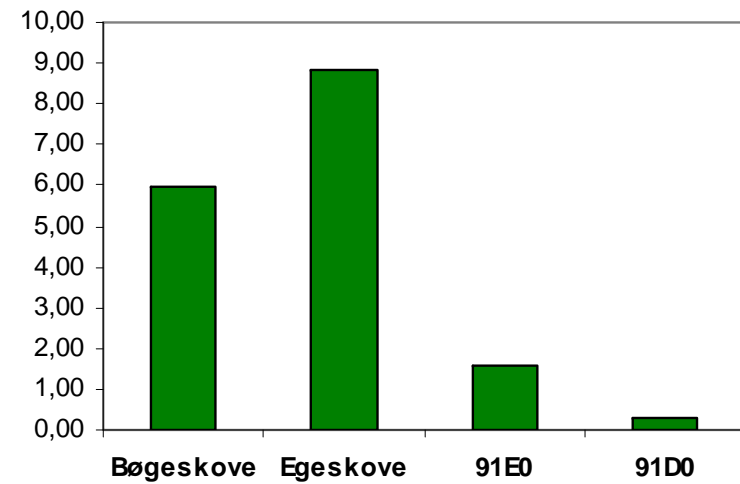
Isothecium myurum

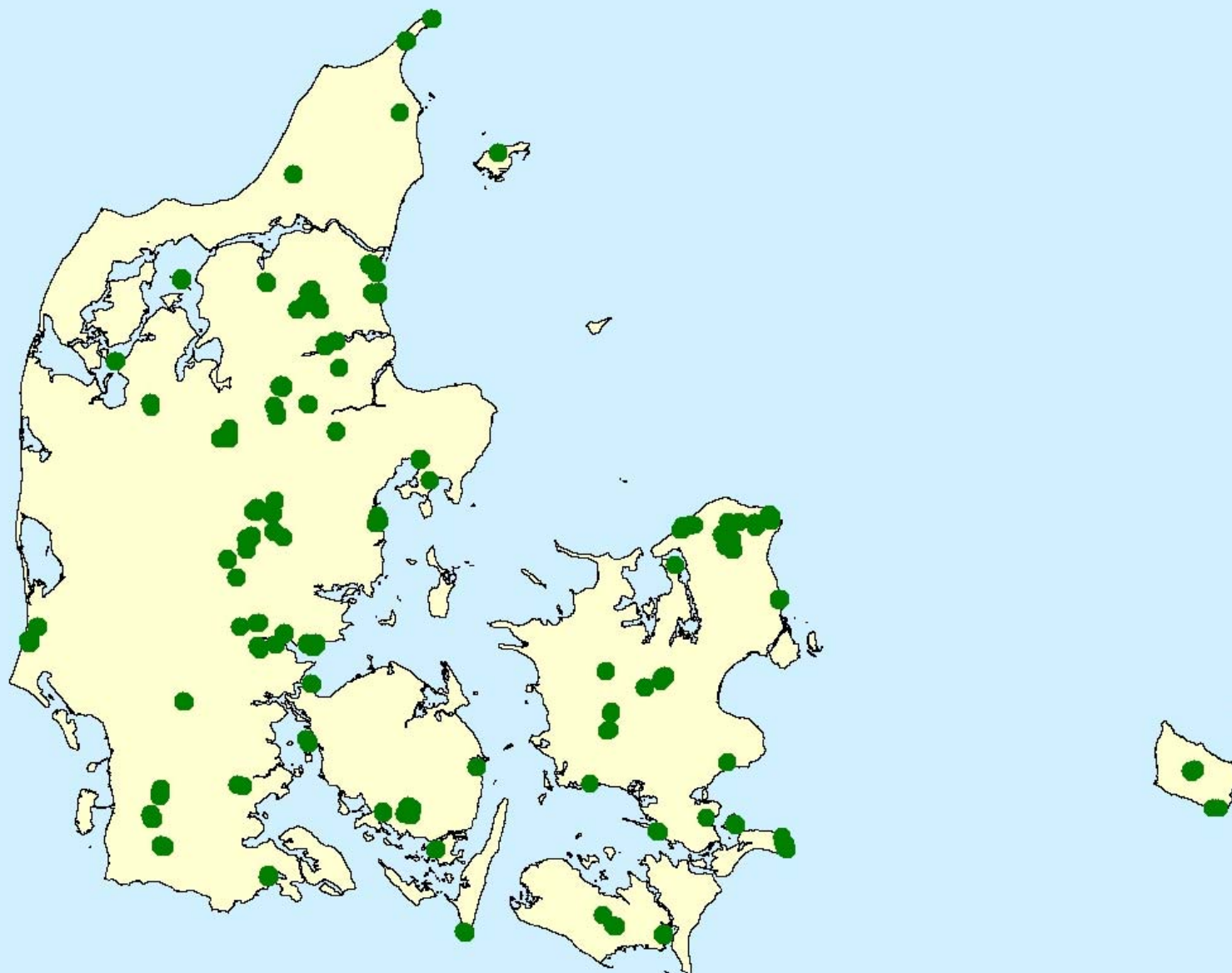


Neckera complanata

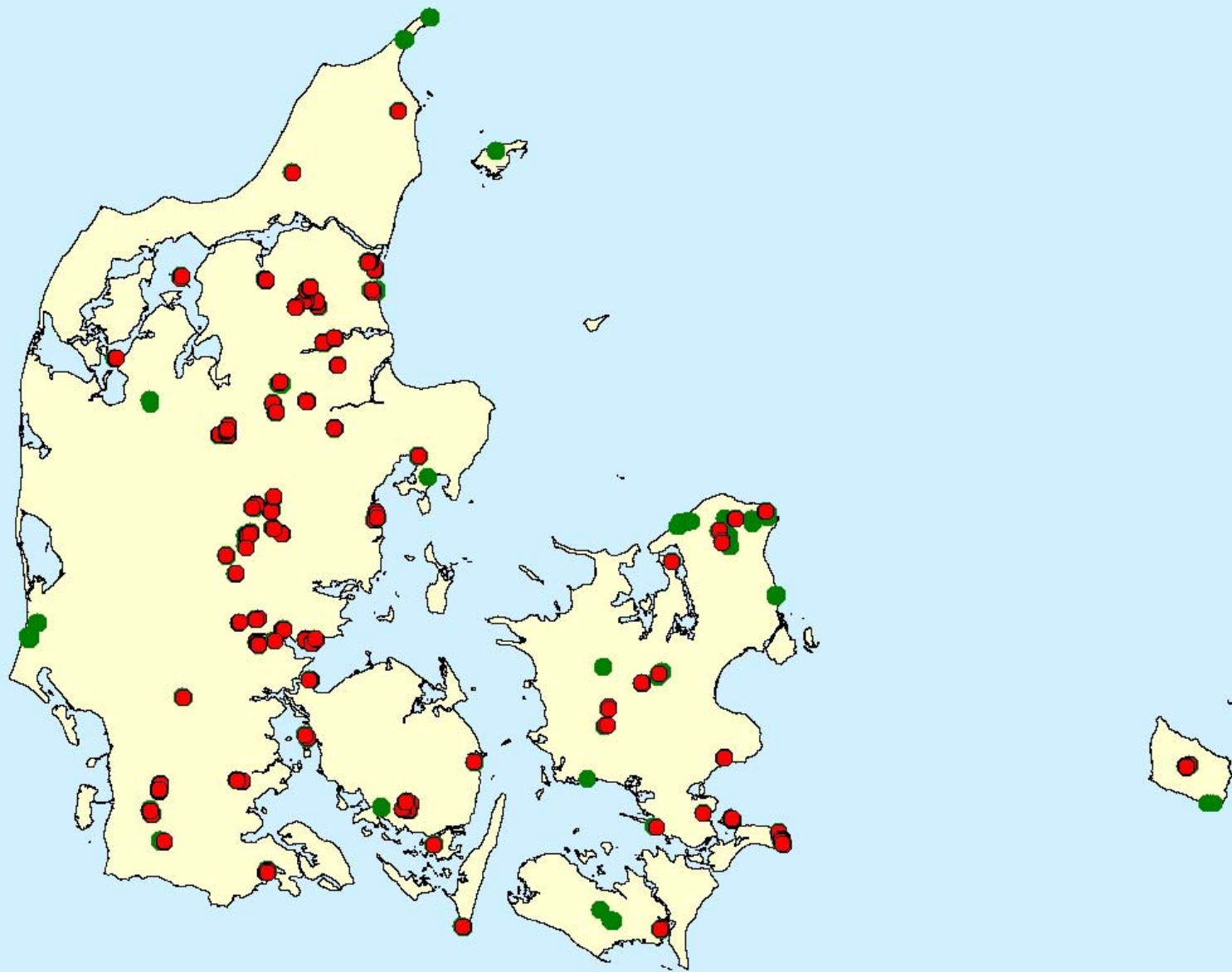


Homalothecium sericeum

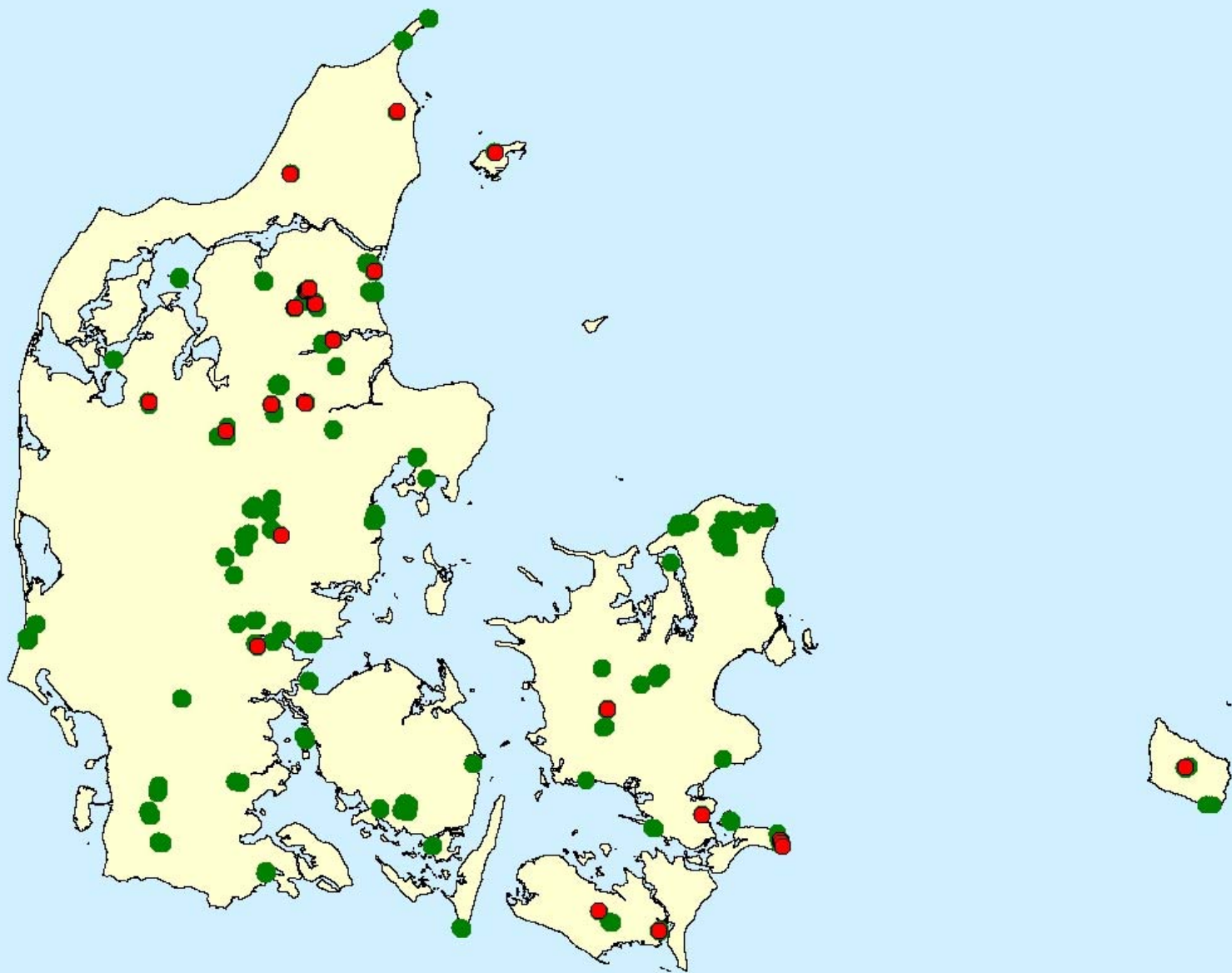




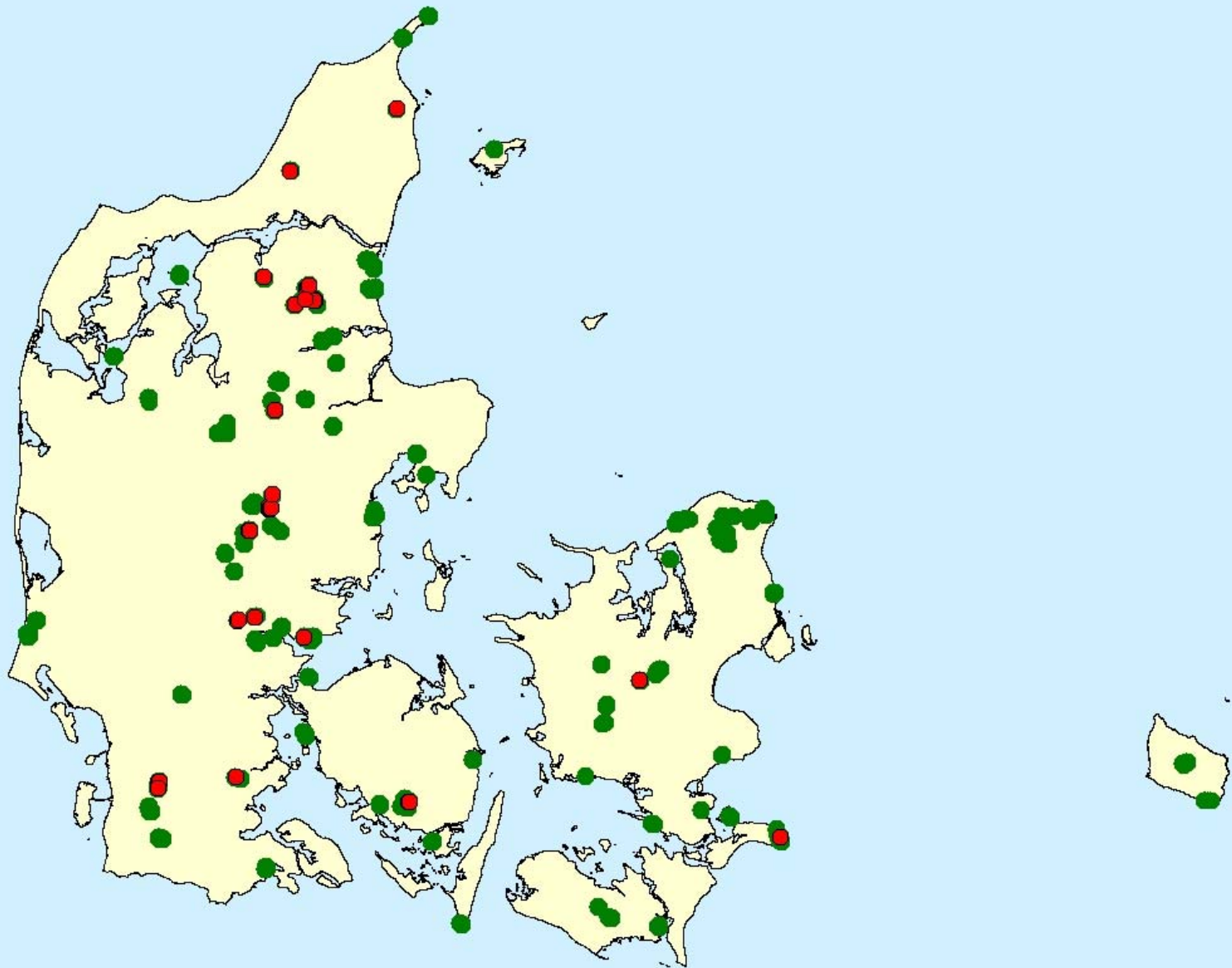
Kort over de intensive skovstationer



Isothecium myosuroides



Porella platyphylla

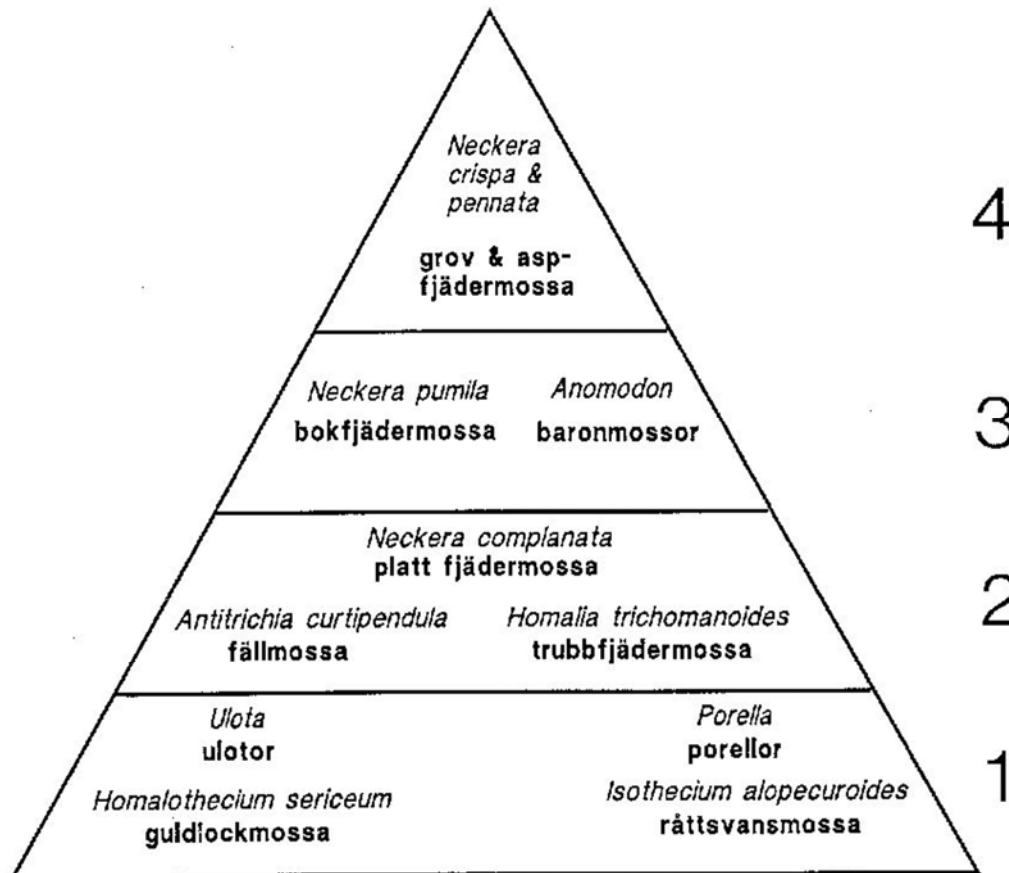


Zygodon spp.

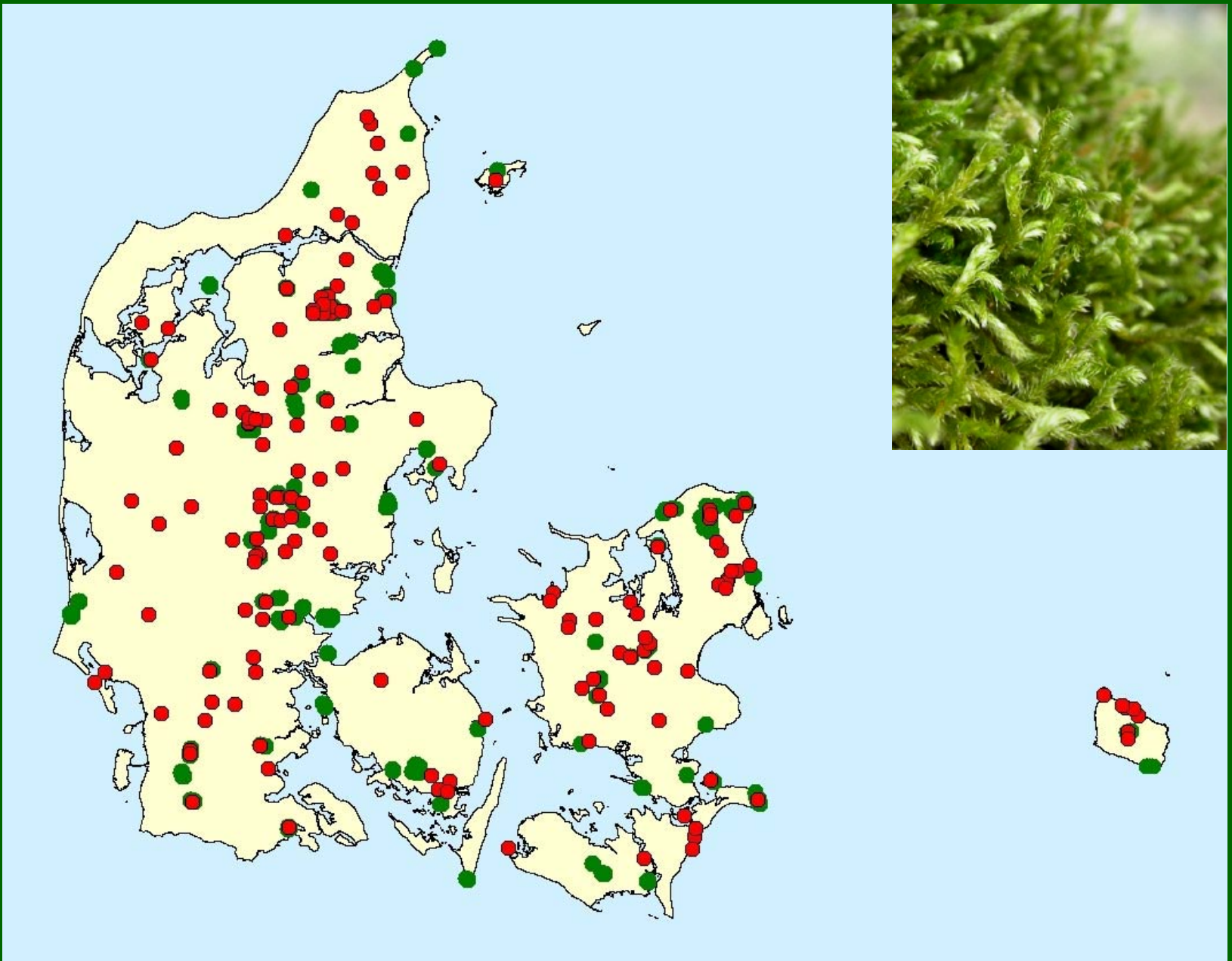
Den svenske værdipyramide

Fig 1. Værdepyramid for skyddsværd ædelløvskog baseret på ett urval epifytiske mosser. Fynd av arter i nivå 4 har høgst indikationsværd, arter i nivå 1 lægst. Alla arter inom nivåerna 2-4 kræver någon form av naturhænsyn. Arter i nivå 1 signalerer att skogen bœrjar bli interessant.

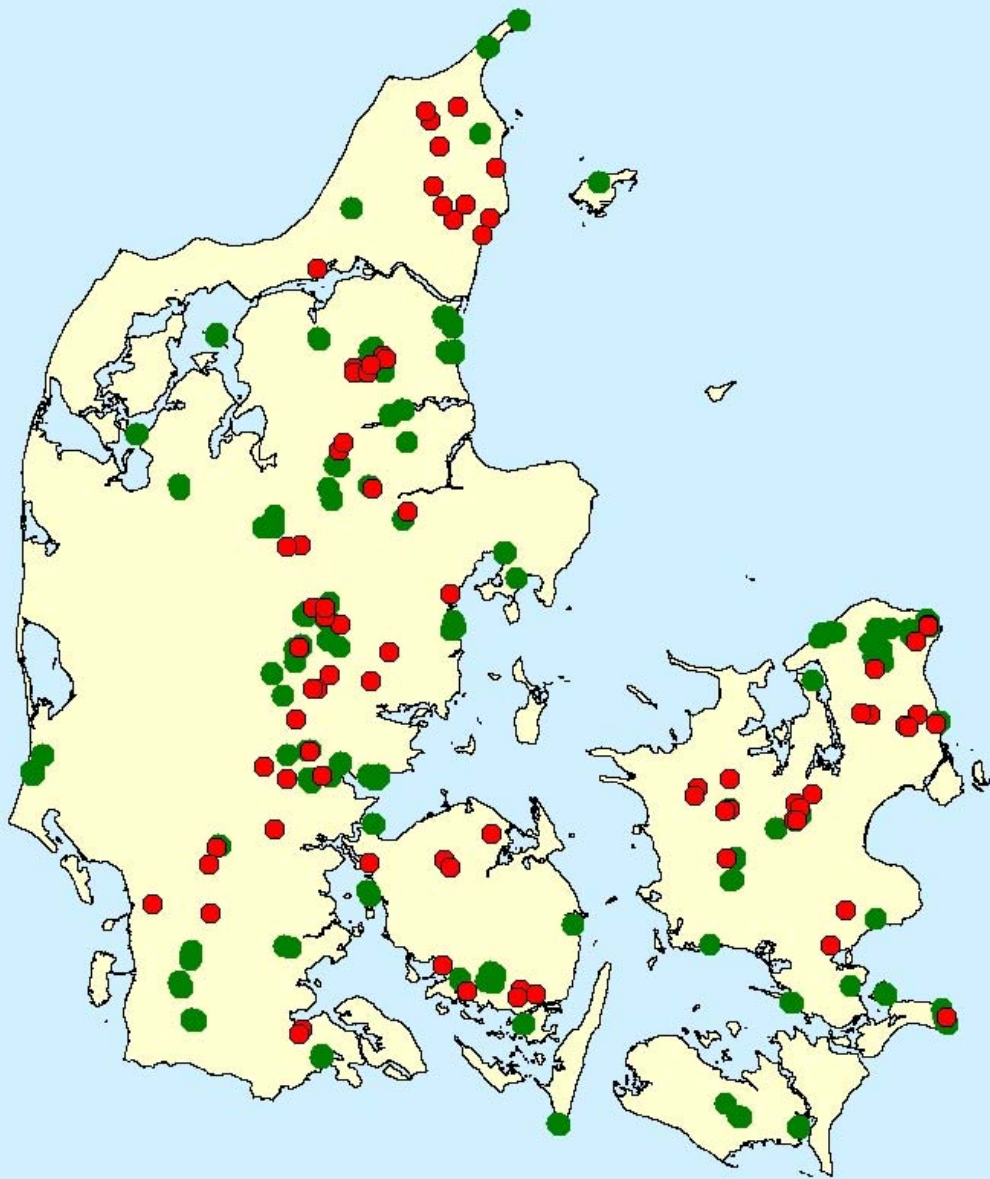
Pyramid of selected epiphytic bryophyte species indicating high nature conservation values of deciduous forest stands in southern Sweden. Presence of species at levels 2-4 indicate deciduous forest stands with low, medium and high conservation values respectively. The species at level 4 are associated with forest stands of long continuity, usually including a great number of rare and threatened species. Those at level 1 are species which make a weak indication on their own, but imply that other, more requiring, species may colonize the forest in the future.



Hallingbæck & Weibull (1996)



Antitrichia curtispindula



Neckera pumila

Forslag

Listen over indikatorarterne udvides og bliver mere detaljeret. Vurderes det, at de sjældnere arter ikke findes i prøvefelterne, kan man angive dem på stationsniveau på linje med Kategori 2 karplanter.

TAK til

Bettina Nygaard og Eigil Plöger

