Winterbijeenkomst Sieralgenwerkgroep 2015

Engeland, Lake District

Onderzoek

Bijzondere vondsten in Drenthe

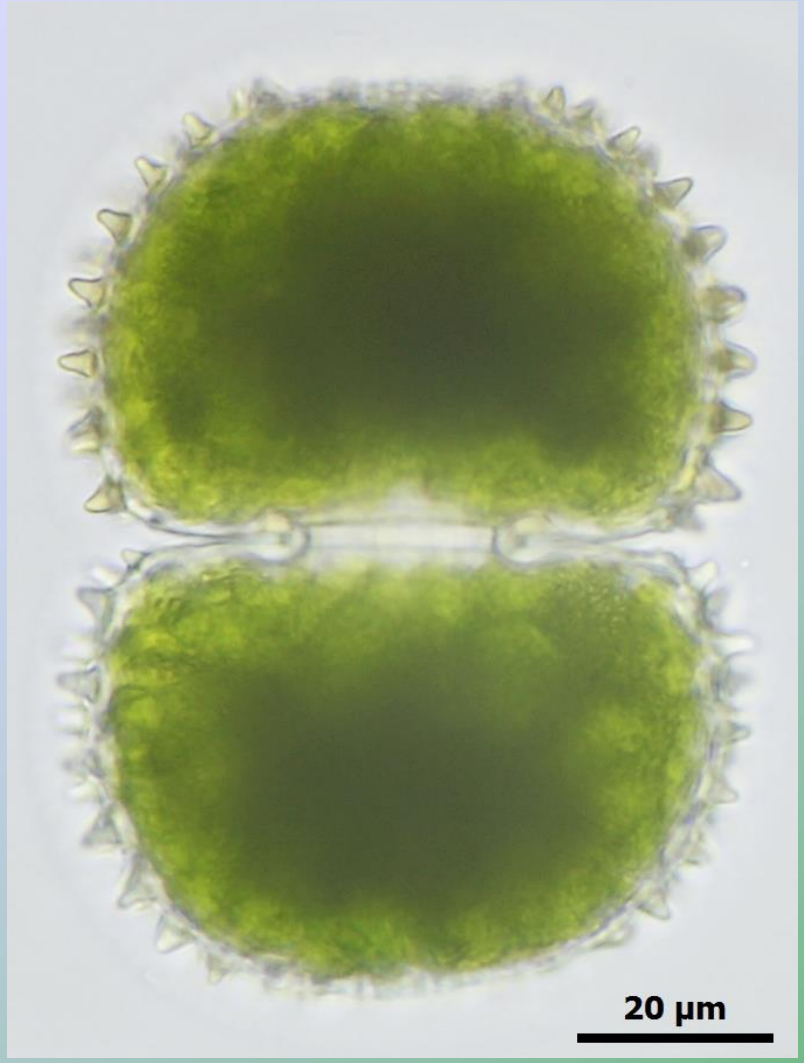
Sieralgenatlas

Marien van Westen
Maart 2015

Lake District

Lake District

Lake District: Bijzondere vondsten I



Cosmarium brebissonii

Cosmarium ralfsii = *Micrasterias ralfsii*

Lake District: Bijzondere vondsten II

Euastrum cuneatum

Euastrum crassum
Neigend naar *E. ventricosum*

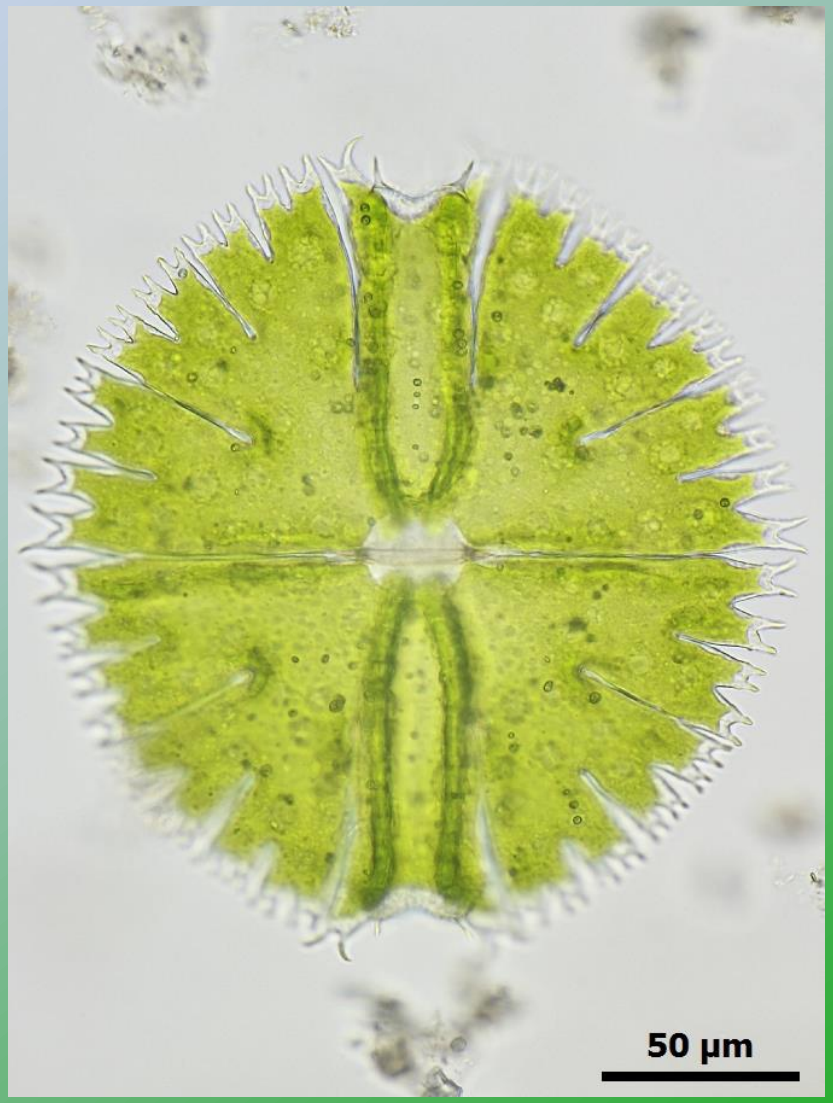
Lake District: Bijzondere vondsten III

Euastrum pinnatum

Euastrum humerosum var. *affine*

Lake District: Bijzondere vondsten IV

Micrasterias denticulata



Micrasterias fimbriata = Micrasterias compereana

Lake District: Bijzondere vondsten V

Micrasterias oscitans

Micrasterias jenneri

Lake District: Bijzondere vondsten VI

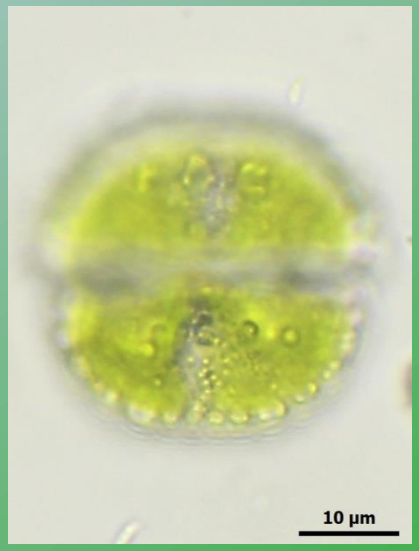
Euastrum luetkemuelleri var. carniolicum

Lake District: Bijzondere vondsten VII

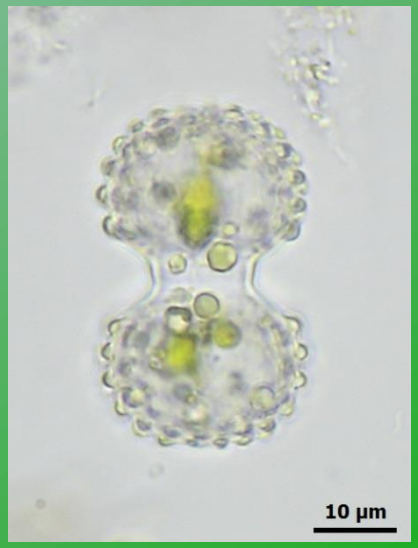
Cosmarium cymatonotophorum

Cosmarium discrepans

Cosmarium vogesiacum



Cosmarium monomazum var. polymazum



Cosmarium excavatum var. duplo-maius

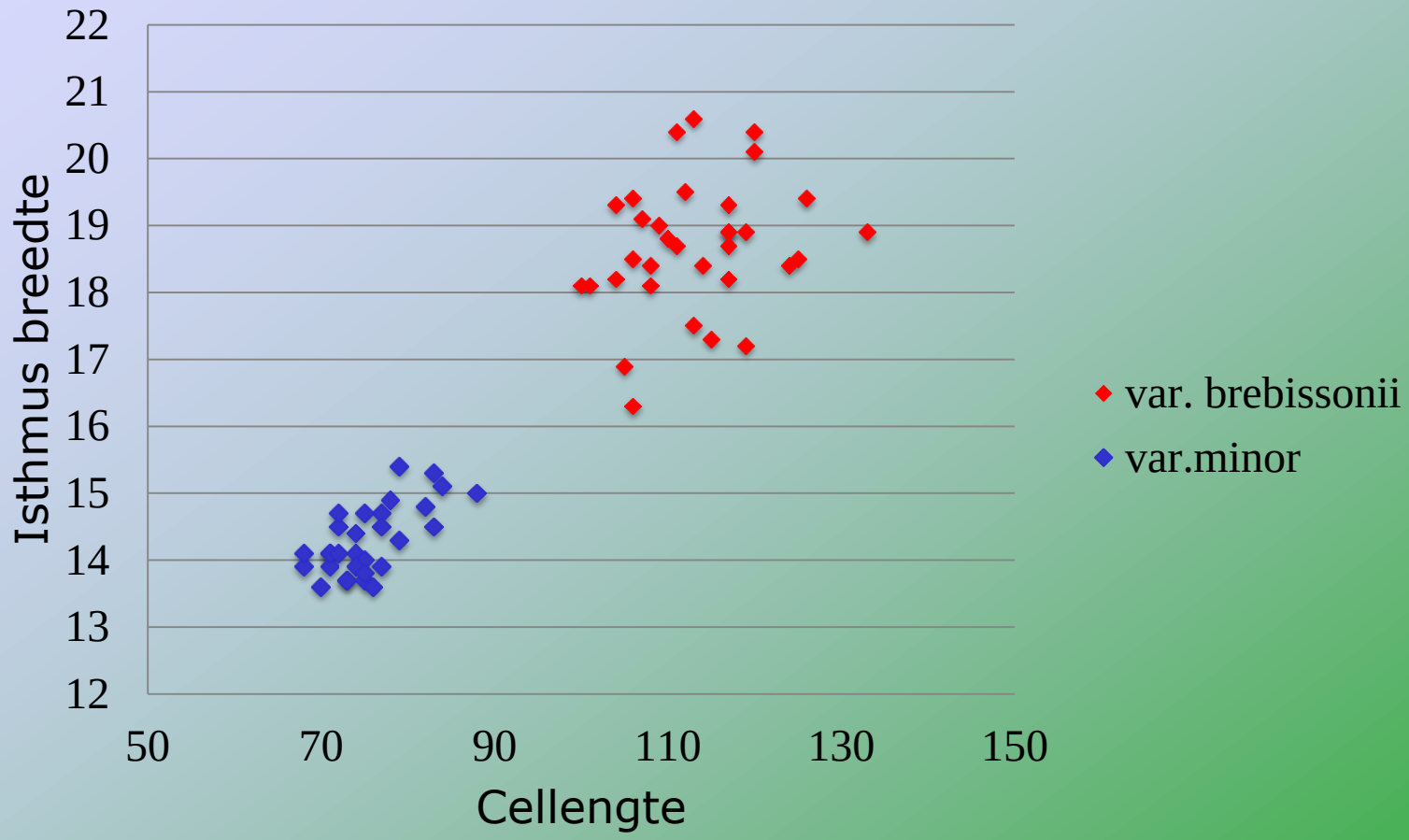
Onderzoek

Tetmemorus brebissonii

Tetmemorus brebissonii var. *brebissonii*

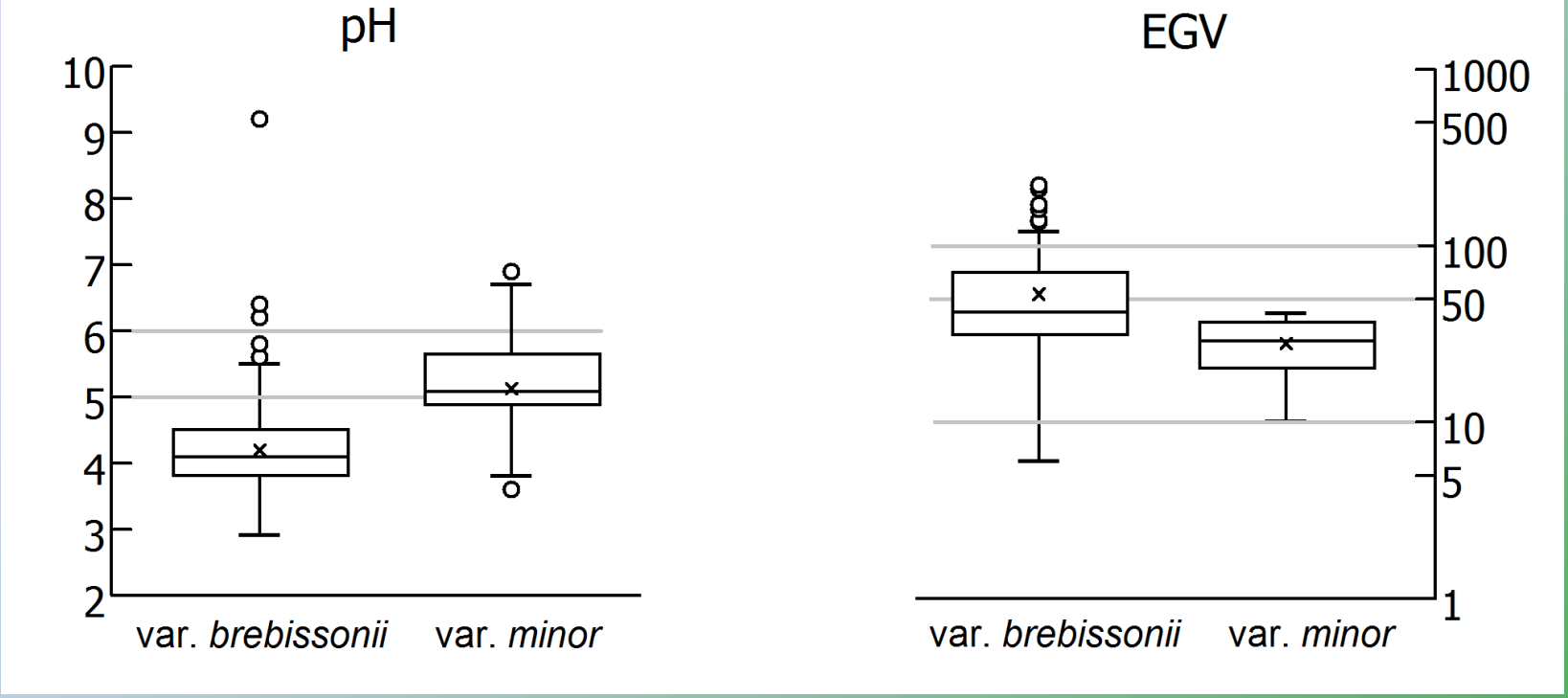
Tetmemorus brebissonii var. *minori*

De verschillen tussen var. brebissonii en var. minor



Lengte x Breedte	var. brebissonii	var. intermedius	var. minor
Flensburg (1967)	(160-220)x(30-37)	(90-140)x(20-25)	(80-85)x(20)
Howell & South (1981)	(160-243)x(30-48)	(100-138)x(19-28)	(61-99)x (14x22)

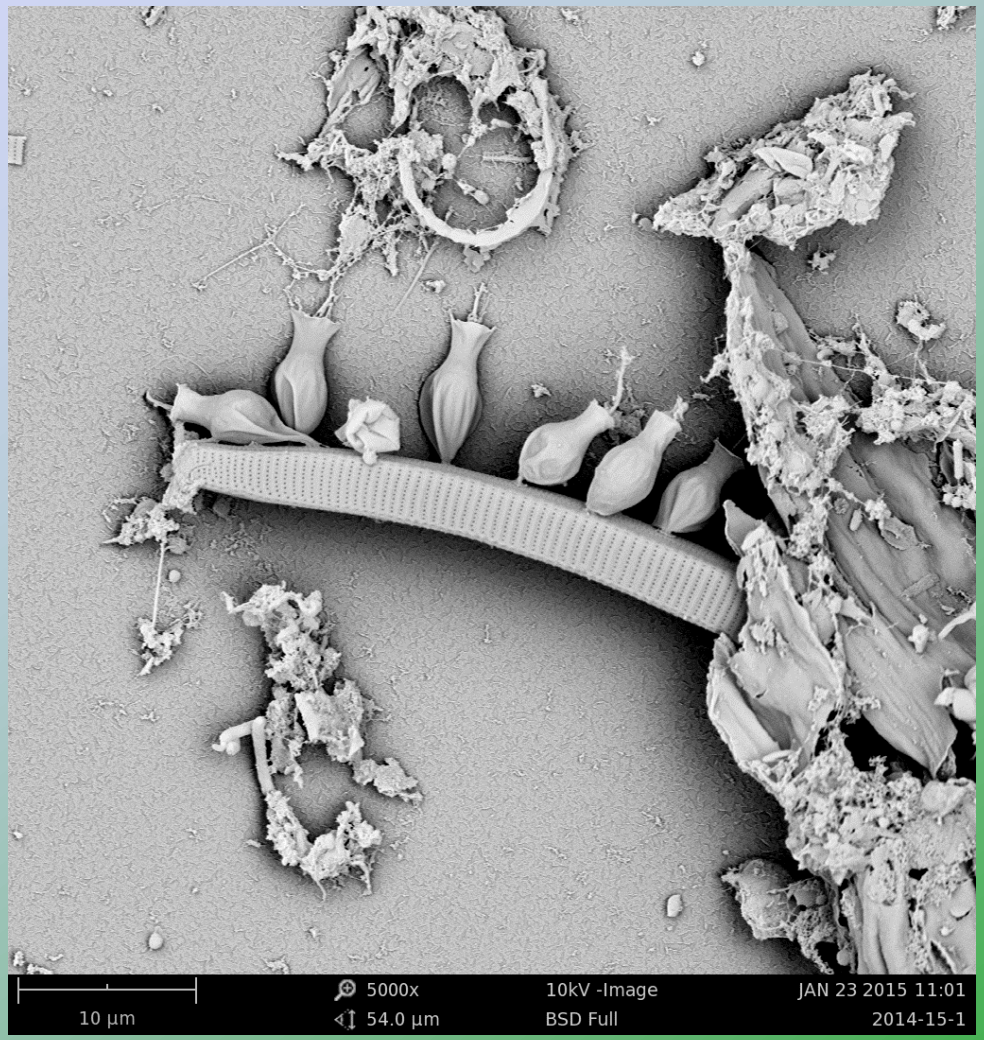
Zuurgraad en geleiding



Flensburg	pH	EGV	
var. *brebissonii*	4.6-5.9	25-50	minerotroof
var. *intermedius*	3.8-4.3-(4.7)	20-80	ombrotroof
var. *minor*	5.0-5.9	20-50	minerotroof

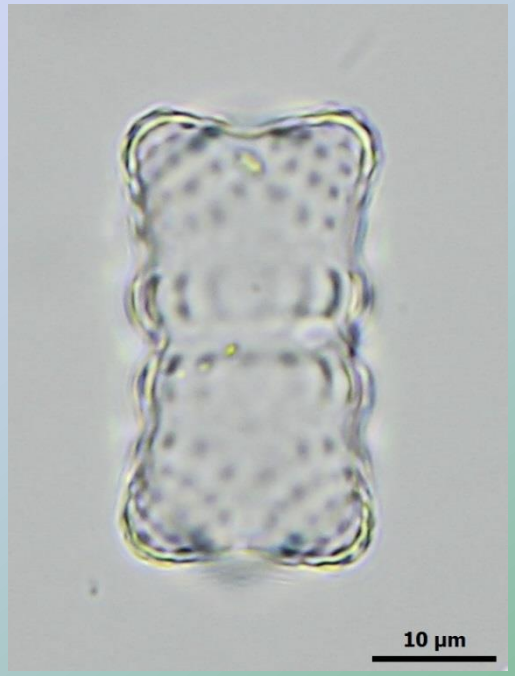
Conclusie: in Drenthe komt alleen var. *intermedius* en var. *minor* voor
Helaas is var. *intermedius* ongeldig beschreven.
Gezien de ecologische verschillen toch een aparte soort?
Du Rietz (1950): *Tetmemorus thunmarkii*

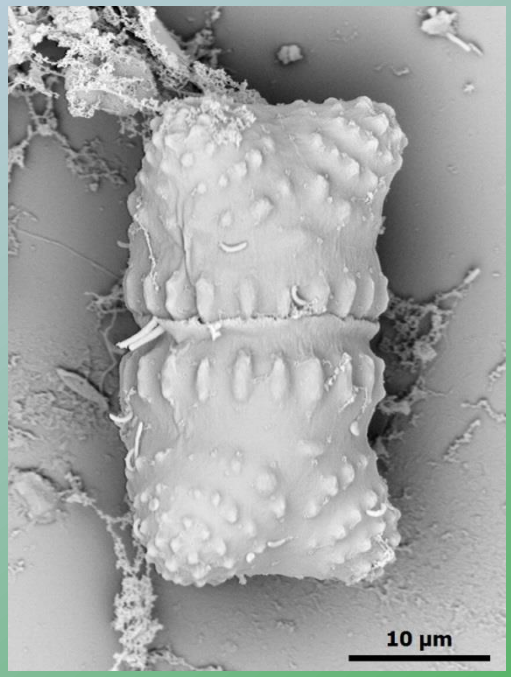
Bijzondere vondsten

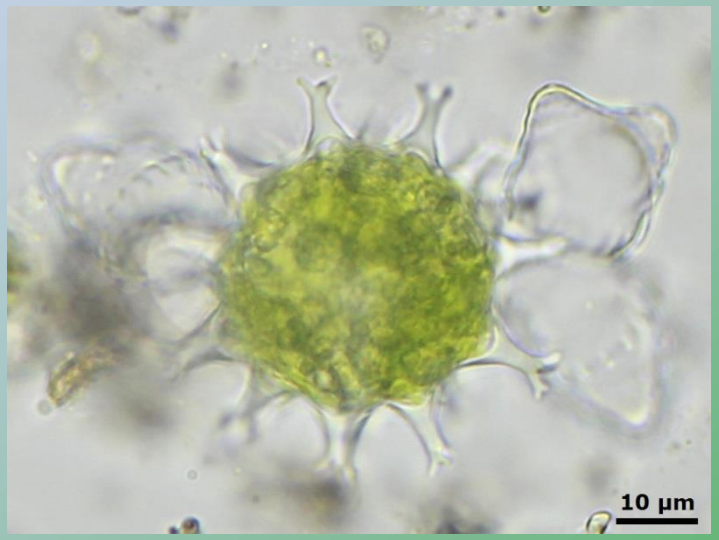


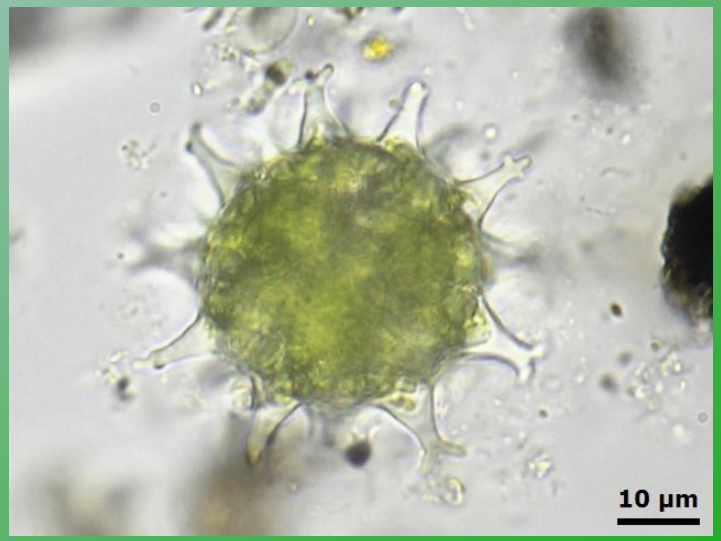
Een vensterbank met bloemenvaasjes

Staurastrum pileolatum



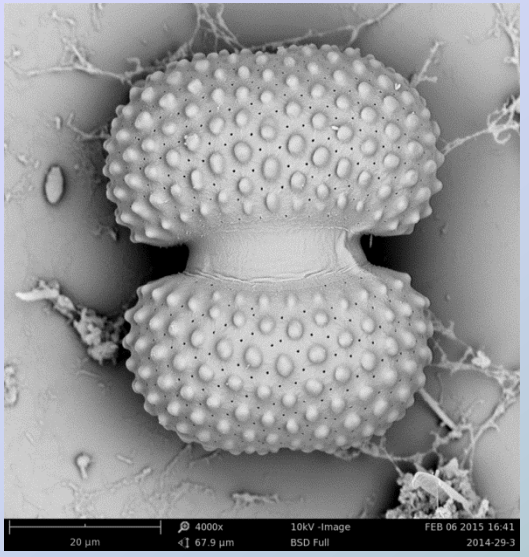






Roy (1893) heeft één zygospore gevonden, maar is hem kwijtgeraakt zonder hem te kunnen tekenen

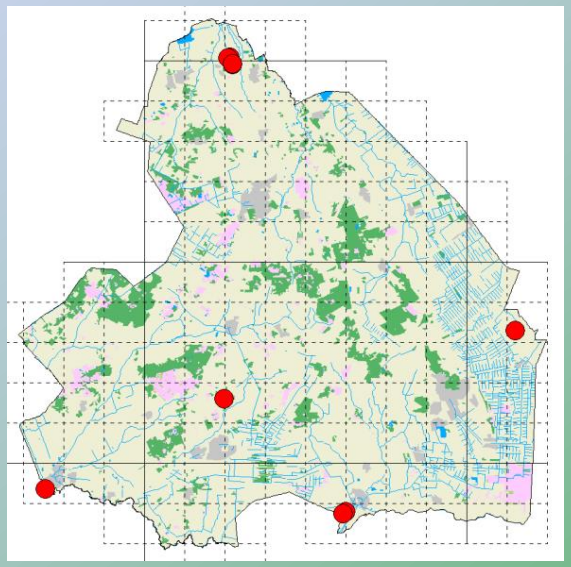
Petgaten in de Onlanden bij Peize

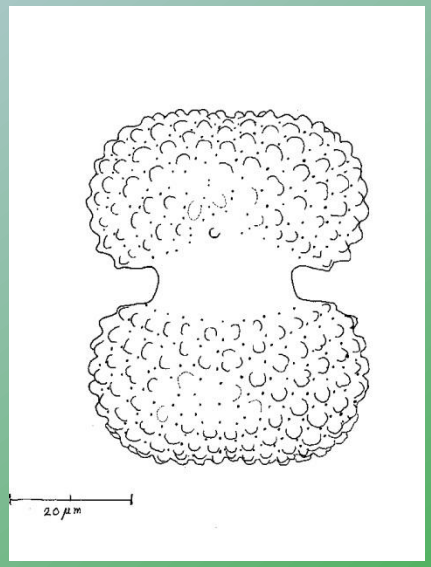


Bijkerk en Bultstra in Groningen
Grootegastermolenpolder

Marta Demarteau
in het Bankven te Goirle

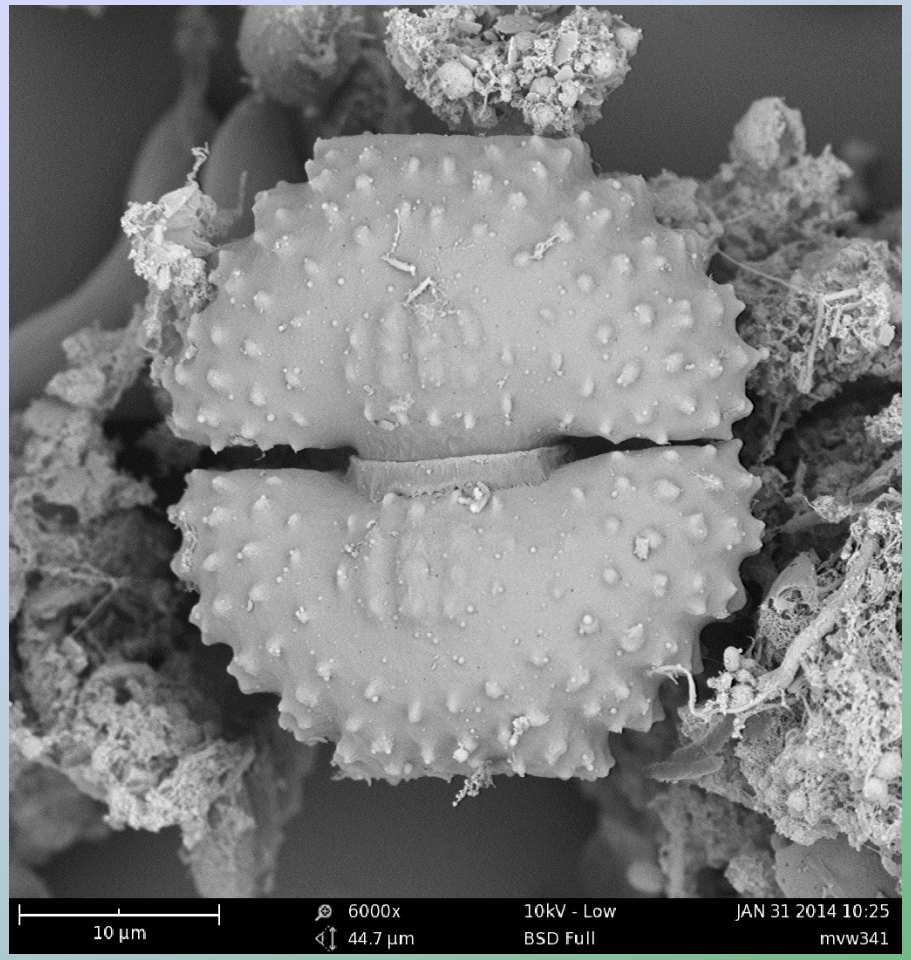
Cosmarium reniforme var. *alaskanum* CROASDALE



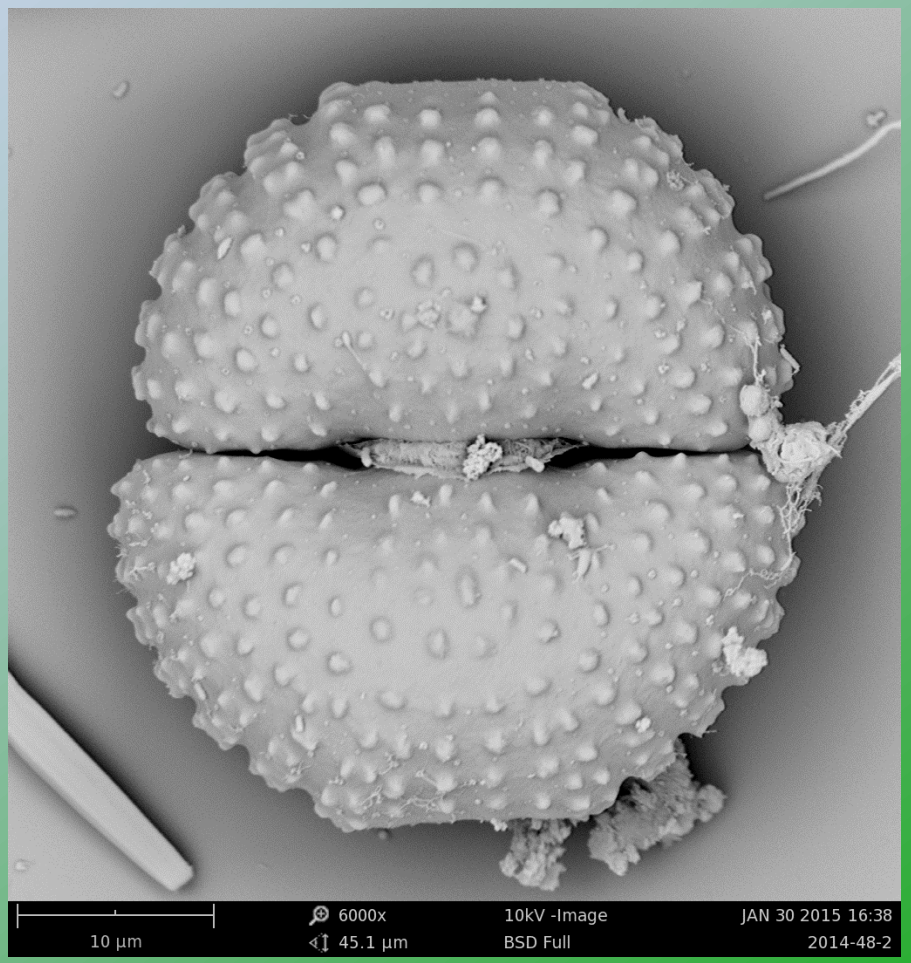


Croasdale: Alaska
Lenzenweger: Groenland

Cosmarium cf. formosulum



Cosmarium formosulum

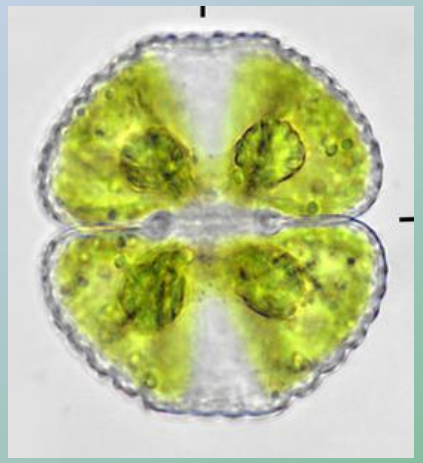


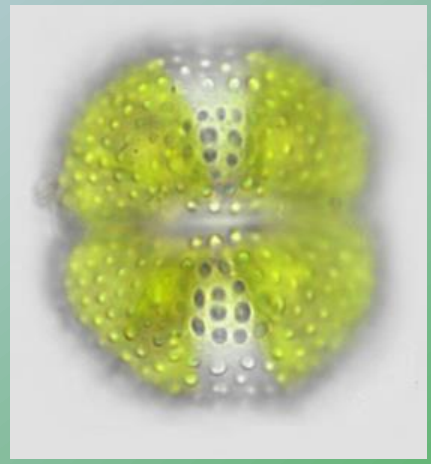
Cosmarium ????

Cosmarium cf. formosulum

Canada
(website Alfred van Geest)

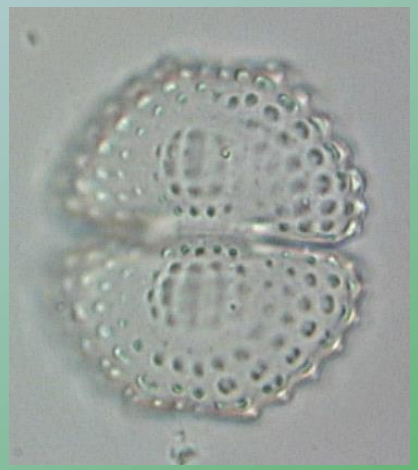
Nederland
(website Alfred van Geest)





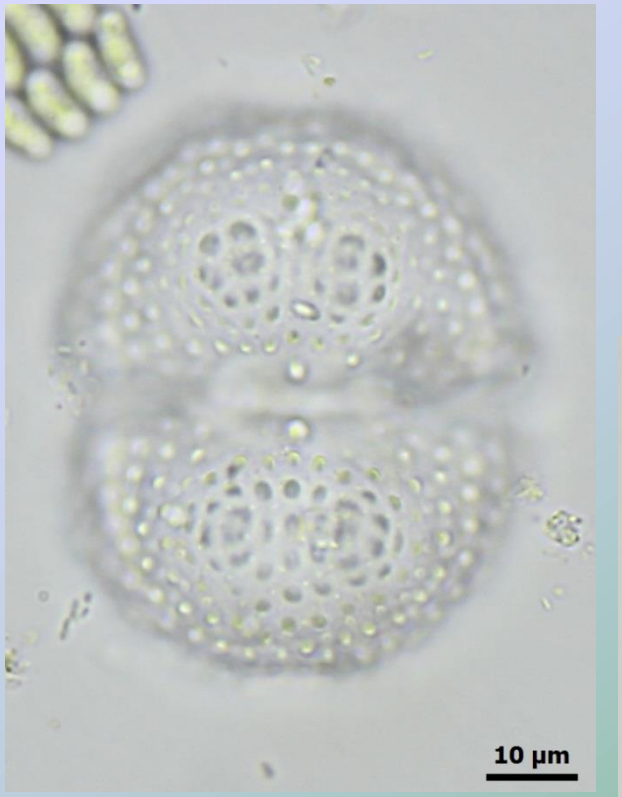
United Kingdom (Algaebase.org, Chris Carter)

Wolozynska (1950, 1952) beschrijft vormen die hier op lijken. Fritsch collectie geeft onduidelijke afbeeldingen.
Messikommer var. hyperevolutum

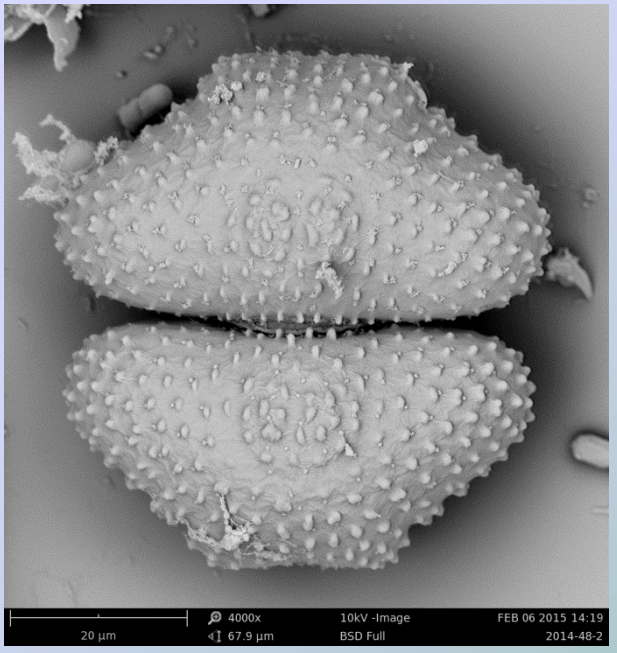


Diverse locaties in Drenthe (Marien van Westen)

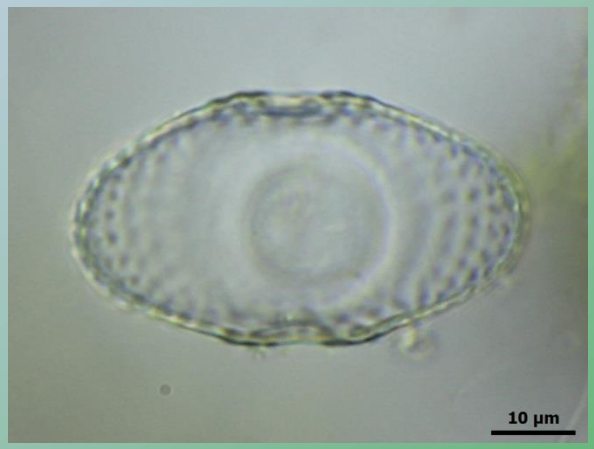
Cosmarium jelskii Wołoszyńska

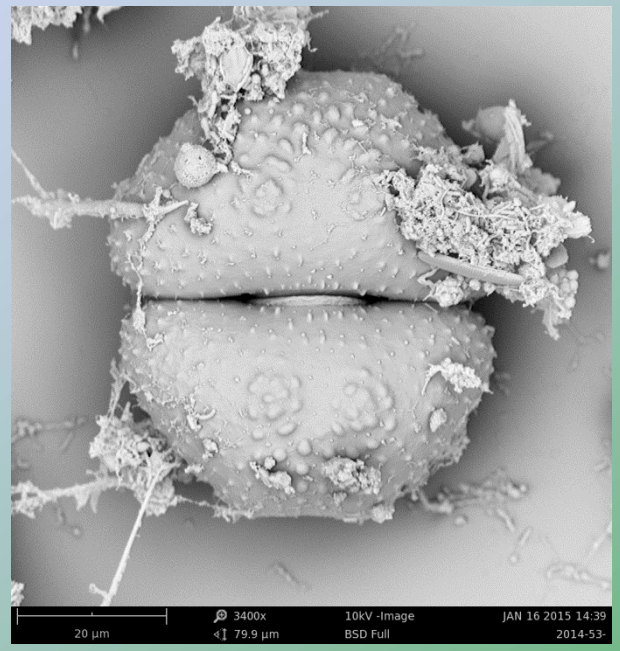


Cosmarium cf. turpinii

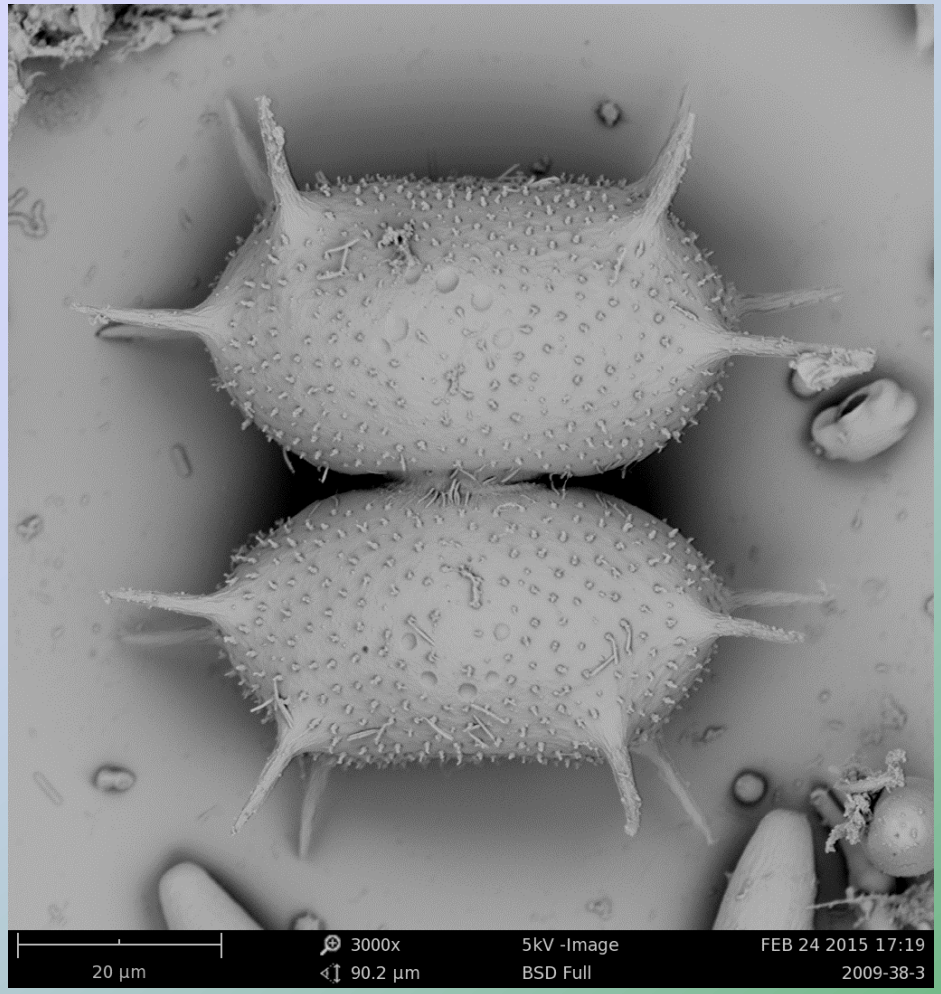


De ‘echte’ *Cosmarium turpinii*



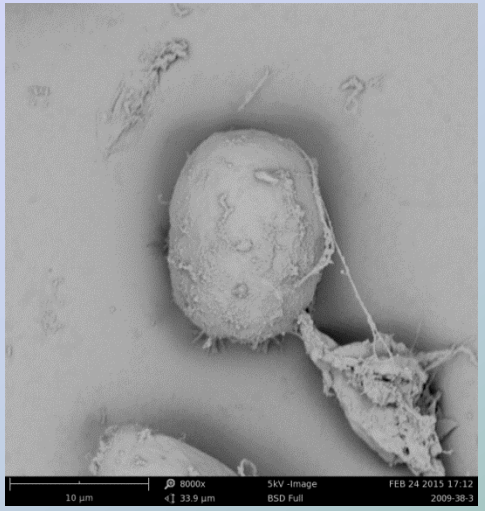


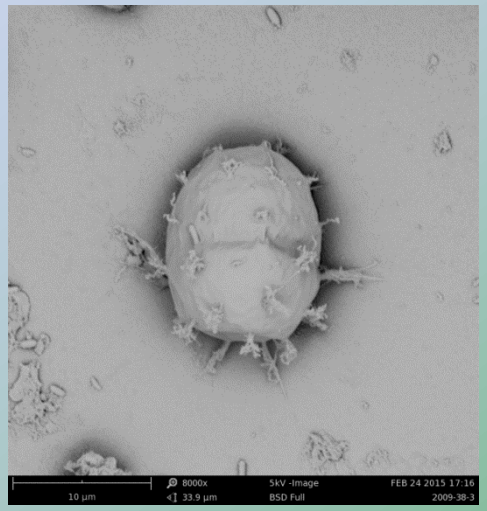
Xanthidium antilopaeum

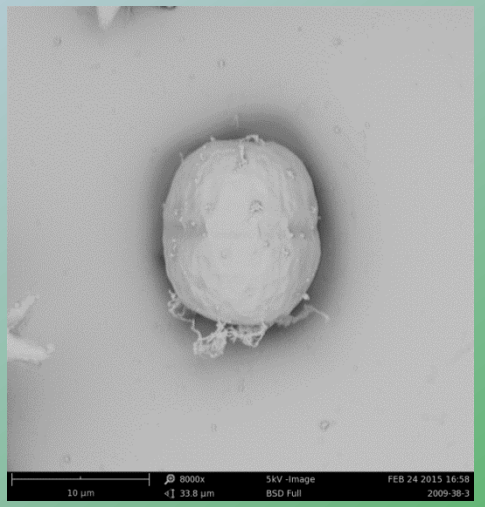


- Let op het hoefijzervormige patroon van scrobiculae
- Vergelijk met X. brebissonii

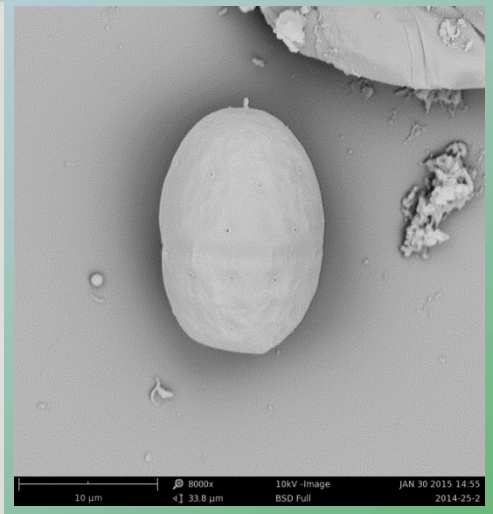
Actinotaenium

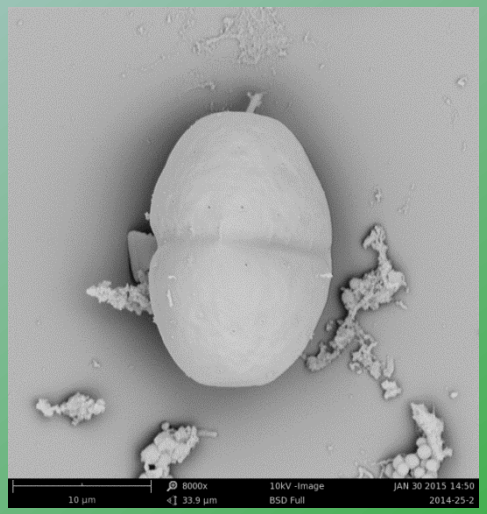


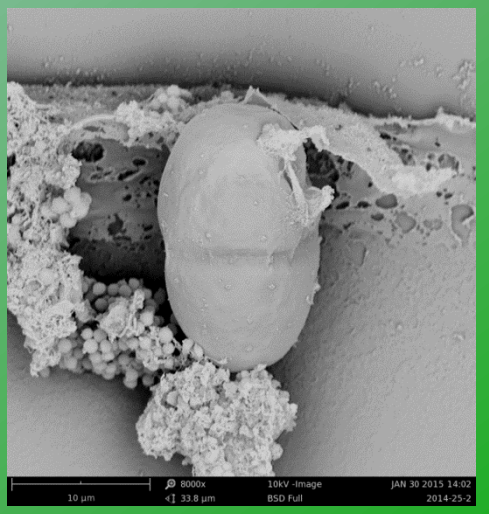




Actinotaenium subtile

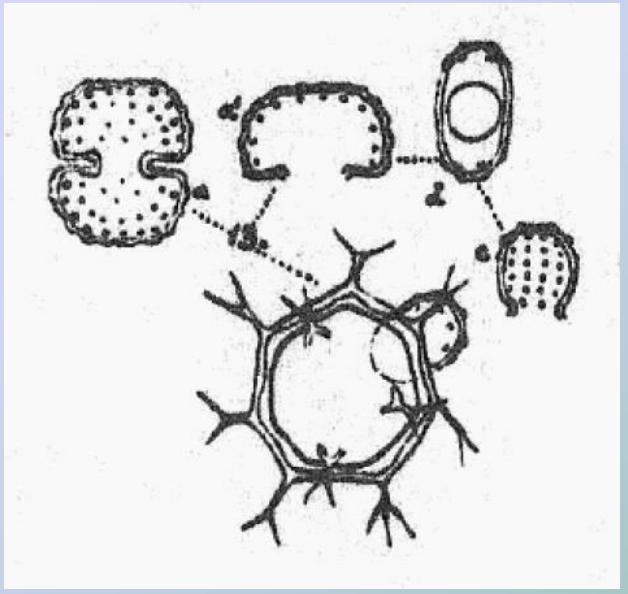




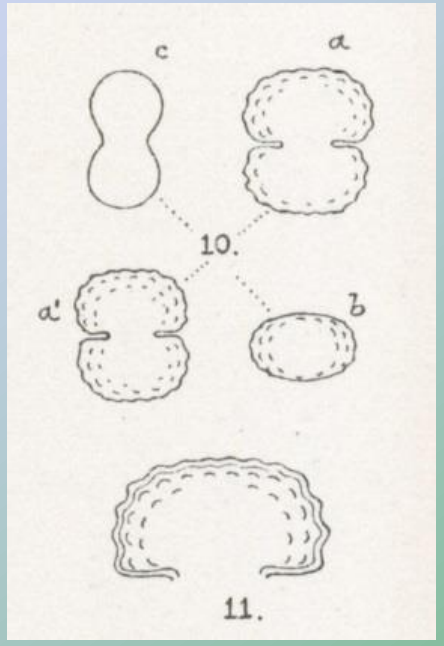


Actinotaenium mooreanum

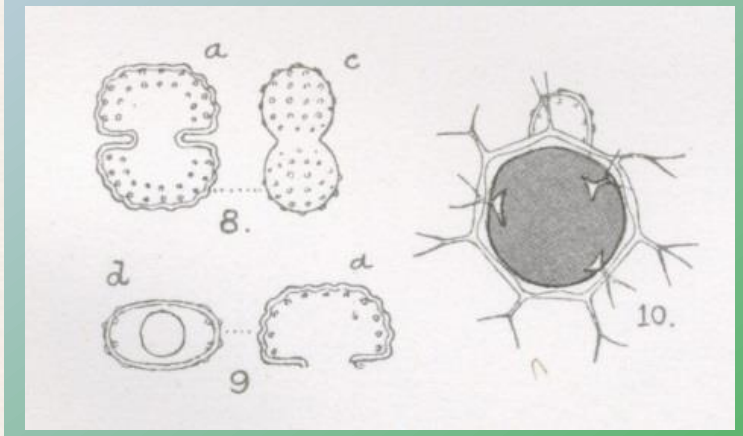
Cosmarium furcatospermum



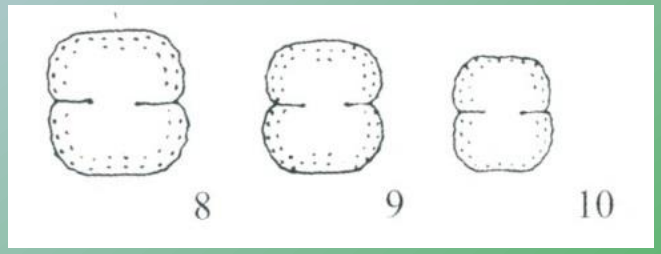
West & West 1894



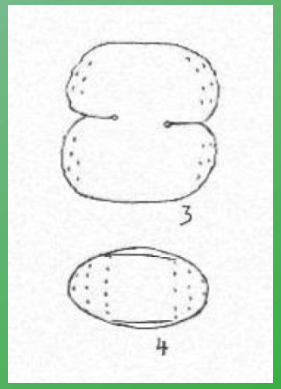
West & West 1908



West & West 1908

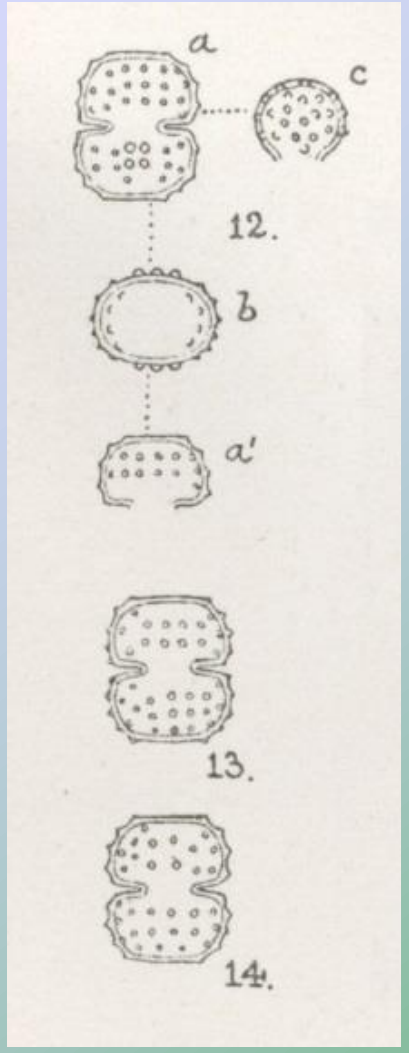


Coesel & Meesters 2007

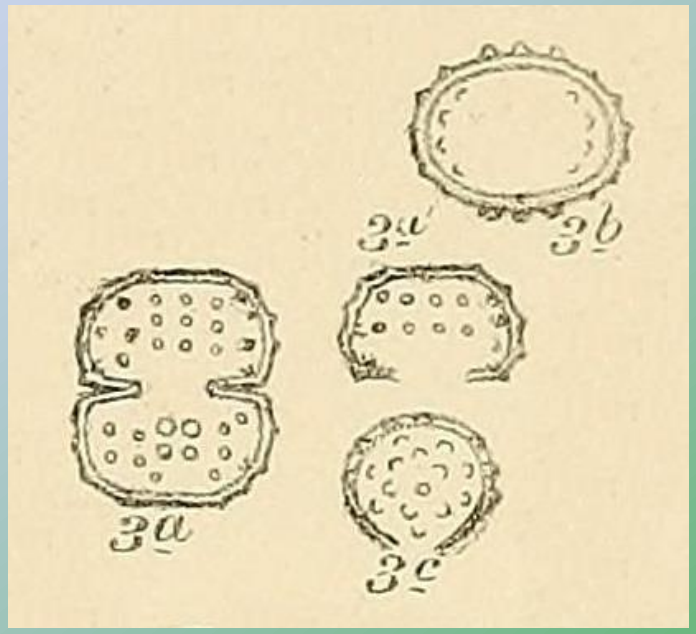


Grönblad 1952

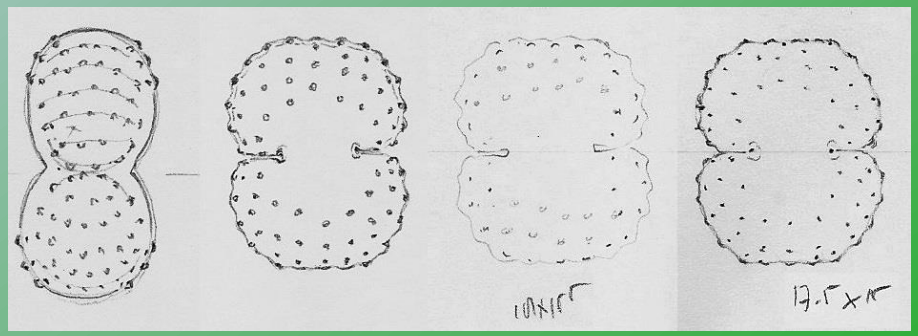
Cosmarium sphalerostichum



West & West 1908



Nordstedt & Wittrock 1876

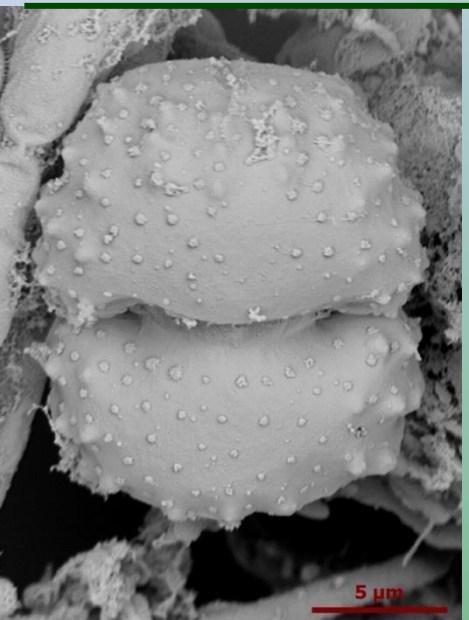


Kouwets 2015

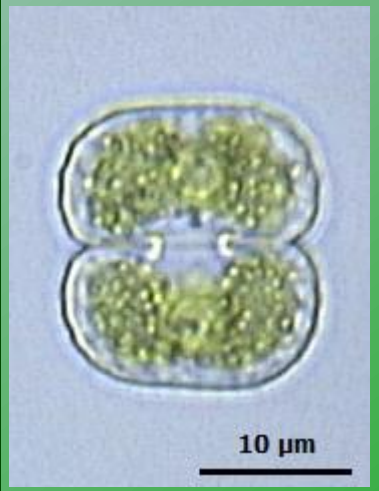
Cosmarium furcatospermum
Cosmarium sphalerostichum

Cantal (Frankrijk)

Oostenrijk



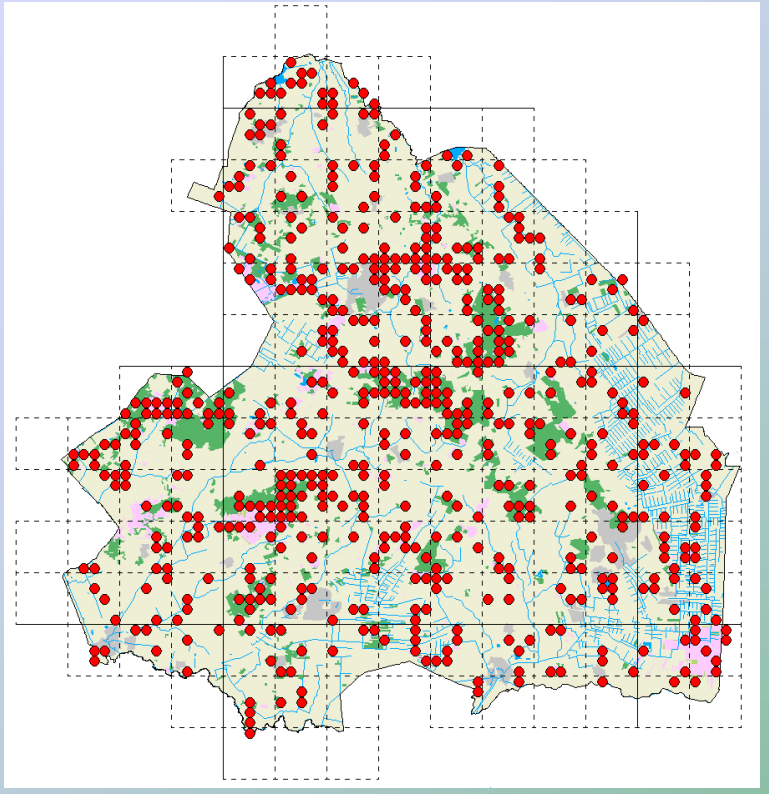
Eexterveld (Drenthe)

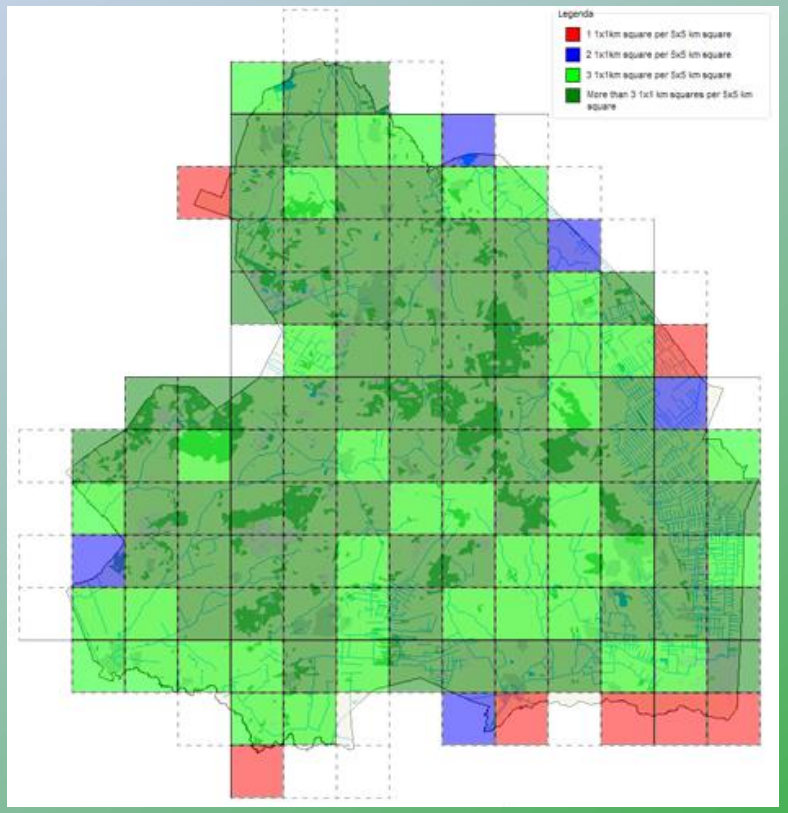


Tienhoven

Berggierslanden (Meppel)

Sieralgenatlas van Drenthe





- Doel: minimaal 3 km-hokken per uurhok
- Komend jaar laatste hokken inventariseren
- Veel nieuwe soorten gevonden
- Foto’s verzamelen
- Teksten schrijven